

KATO

KATO

KA-1100RX

KA-1100RX

Full Spec. Catalog

FULLY HYDRAULIC  
ALL TERRAIN CRANE

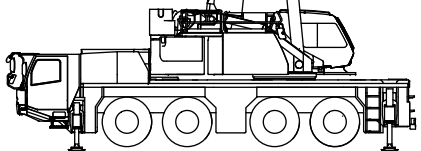
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Full Spec. Catalog C05411

\* KATO products and specifications are subject to improvements and changes without notice.

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C05411  
8.2021-6 (TI) 1

C05411

## SPECIFICATION

### CRANE Specification

|                                                |                                        |                                                   |
|------------------------------------------------|----------------------------------------|---------------------------------------------------|
| Description                                    | KATO FULLY HYDRAULIC ALL TERRAIN CRANE |                                                   |
| Model                                          | KA-1100RX                              |                                                   |
| Maximum lifting capacity                       | 110ton × 2.0m                          |                                                   |
| Boom length                                    | 11.1m — 51.3m (6 section)              |                                                   |
| SL jib length                                  | 8.8m — 20.4m (3 section)               |                                                   |
| Hoisting line speed (winch up)                 | Main winch                             | 118m / min. (at 4th layer)                        |
|                                                | Auxiliary winch                        | 118m / min. (at 4th layer)                        |
| Hoisting hook speed (winch up)                 | Main winch                             | (Parts of line; 11) : 10.7m / min. (at 4th layer) |
|                                                | Auxiliary winch                        | (Parts of line; 1) : 118m / min. (at 4th layer)   |
| Hoisting line speed (winch down at high speed) | Main winch                             | 156m / min. (at 4th layer)                        |
|                                                | Auxiliary winch                        | 156m / min. (at 4th layer)                        |
| Boom derricking angle                          | -1.0° — 84°                            |                                                   |
| Boom derricking time                           | 75s / -1.0° — 84°                      |                                                   |
| Boom extending speed                           | 40.2m / 330s                           |                                                   |
| Slewing speed                                  | 1.8min <sup>-1</sup>                   |                                                   |
| Speed / Time                                   | Subject to no load                     |                                                   |

#### Equipment and structure

|                                          |                                                                                                                                                                                                                |                                   |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Winch system<br>Main & Auxiliary winches | Driven by axial plunger type hoisting motor through planetary gear reduction.<br>Controlled independently by 2-speed (high / low) selection type respective operating lever.<br>Equipped with automatic brake. |                                   |
| Counterweight                            | 7.4ton, 15.3ton, 21.8ton, 25.8ton, 29.8ton<br>Hydraulic removal system                                                                                                                                         |                                   |
| Outriggers                               | Type                                                                                                                                                                                                           | Hydraulic H-beam type (2section)  |
|                                          | Extension width                                                                                                                                                                                                | 7,200mm (Fully extended)          |
|                                          |                                                                                                                                                                                                                | 6,000mm (Intermediately extended) |
|                                          |                                                                                                                                                                                                                | 5,000mm (Intermediately extended) |
|                                          |                                                                                                                                                                                                                | 4,200mm (Intermediately extended) |
| Wire rope for hoisting                   | Main winch                                                                                                                                                                                                     | Diameter: 18mm × Length: 275m     |
|                                          | Auxiliary winch                                                                                                                                                                                                | Diameter: 18mm × Length: 155m     |

#### Hydraulic system

|                        |                                                     |                    |
|------------------------|-----------------------------------------------------|--------------------|
| Oil pump               | 4 pumps, plunger and gear type                      |                    |
| Hydraulic motor        | Hoisting motor                                      | Axial plunger type |
|                        | Slewing motor                                       | Axial plunger type |
| Control valve          | Double acting with integral check and relief valves |                    |
| Cylinder               | Double acting type                                  |                    |
| Oil reservoir capacity | 595L                                                |                    |

#### Safety devices

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | ACS (Automatic Crane System with voice alarm),<br>Working range limit mode, Overhoist prevention device,<br>Outtrigger status detector, Outtrigger lock pins,<br>Outtrigger reaction force indication device, Electronic horizontal detector,<br>Hydraulic safety valves, Boom derricking / telescoping holding valve,<br>Jib derricking holding valve, Winch holding valve, Automatic winch brake,<br>Winch drum roller, Winch drum turning indication device,<br>Winch over unwinding device, Slewing brake, Slewing lock,<br>Hydraulic oil return filter warning device,<br>Hydraulic oil temperature warning device, ACS outside indicator (LED),<br>Right rear side mirror, Slewing warning lamp, Stanchion on boom,<br>Seat switch, Stanchion on boom |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Operator's cab

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | All steel welded construction, 1 person, Rubber mounted,<br>Tilttable(approx.15°), Adjustable seat with suspension, Air conditioner,<br>Accessory socket (24V), USB socket (output 5V-2.4A x 2),<br>Front windscreen wiper & washer, Roof window wiper & washer,<br>Interior lamp (LED), Step lamp (LED), AM/FM Radio, Slide deck,<br>Floor mat, Power Window (external closing switch), Sun visor,<br>Drink holder, Fire extinguisher,<br>K · COR (KATO Crane Operation Recorder) |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Standard equipment

|  |                                                                                                                                                                                           |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Working light (on table and cab) (LED), Searchlight,<br>Winch view camera, PA system, Hydraulic oil cooler,<br>Wire rope to dismount various things, Hook for 37 ton,<br>Hook for 5.6 ton |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Optional equipment

|  |                                                                                                                                                                         |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Tea table, Ashtray, Cab heater, Anemometer, Side view camera,<br>Slewing warning buzzer, Hook for 55 ton,<br>Hook for 37 ton (Single Hook), Sub hook sheave for 110 ton |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### CARRIER Specification

|       |        |
|-------|--------|
| Maker | KATO   |
| Model | KA4120 |

#### Carrier Specification

|                         |                                      |
|-------------------------|--------------------------------------|
| Maximum traveling speed | 75km/h                               |
| Grade ability (tan θ)   | 0.60 (computed at G.V.W. = 48,000kg) |
| Minimum turning radius  | 8.9m                                 |

#### General dimensions

|                      |       |         |                                                                                          |
|----------------------|-------|---------|------------------------------------------------------------------------------------------|
| Overall length       |       |         | 13,200mm                                                                                 |
| Overall width        |       |         | 2,750mm                                                                                  |
| Overall height       |       |         | 3,790mm                                                                                  |
| Wheel base           |       |         | 1,650+2,400+1,650=5,700mm                                                                |
| Treads               | Front | 2,310mm |                                                                                          |
|                      | Rear  | 2,310mm |                                                                                          |
| Gross vehicle weight |       |         | 48,000kg                                                                                 |
| Axle loads           |       |         | 12,000kg (1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>th</sup> Axles) |

#### Engine

|                     |                                                                                                                                                  |                                                                                                                     |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Maker               | Daimler                                                                                                                                          |                                                                                                                     |
| Model               | OM470LA (EUROMOT 4)                                                                                                                              |                                                                                                                     |
| Type                | 4 cycle, 6 cylinders, water cooled, direct Injection turbo-charged diesel engine with intercooling                                               |                                                                                                                     |
| Piston displacement | 10.7L                                                                                                                                            |                                                                                                                     |
| Max. power          | 320kW at 1,700min <sup>-1</sup>                                                                                                                  |                                                                                                                     |
| Max. torque         | 2,100N·m at 1,300min <sup>-1</sup>                                                                                                               |                                                                                                                     |
| Torque converter    | Engine mounted 3 elements 1 stage (with lock up clutch)                                                                                          |                                                                                                                     |
| Transmission        | Full automatic 6 forward & 1 reverse speed                                                                                                       |                                                                                                                     |
| Axles               | All axles steered<br>1 <sup>st</sup> , 2 <sup>nd</sup> and 4 <sup>th</sup> axles driven and have planetary gears reduction and differential lock |                                                                                                                     |
| Suspension          | Hydro-pneumatic suspension<br>Hydraulic locking device with suspension cylinder                                                                  |                                                                                                                     |
| Brake system        | Service brake                                                                                                                                    | 2 circuit brake 8 wheels servo-air brake, all axles are equipped with disc brakes<br>ABS (Anti-lock Brake System)   |
|                     | Parking brake                                                                                                                                    | Spring applied, compressed air released parking brake (2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>th</sup> Axles) |
|                     | Auxiliary brake                                                                                                                                  | Compression release engine brake<br>Hydraulic retarder                                                              |
| Steering            | Semi-integral hydraulic power steering of front two axles and automatic steering of the 3 <sup>rd</sup> and 4 <sup>th</sup> axles                |                                                                                                                     |
| Tire size           | 8 tires, 385 / 95 R25 170F ROAD                                                                                                                  |                                                                                                                     |
| Electric system     | 24V                                                                                                                                              |                                                                                                                     |
| Batteries           | (12V—150AH) × 2                                                                                                                                  |                                                                                                                     |
| Fuel tank capacity  | 400L                                                                                                                                             |                                                                                                                     |
| Urea tank capacity  | 40L                                                                                                                                              |                                                                                                                     |
| Driver's cab        | All steel welded construction, 2 persons                                                                                                         |                                                                                                                     |

#### Safety devices

|  |                                                                                                                                                                                                                                                                                                                                                                                |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Emergency steering device, Engine over speed alarm,<br>Three-point seat belt, Suspension lock,<br>Electrically adjustable side view mirrors with defroster,<br>Warning reflector, Engine management & warning system,<br>Transmission management & warning system,<br>Radiator coolant level warning device, Low air warning device,<br>Rear view camera, Brake wear indicator |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

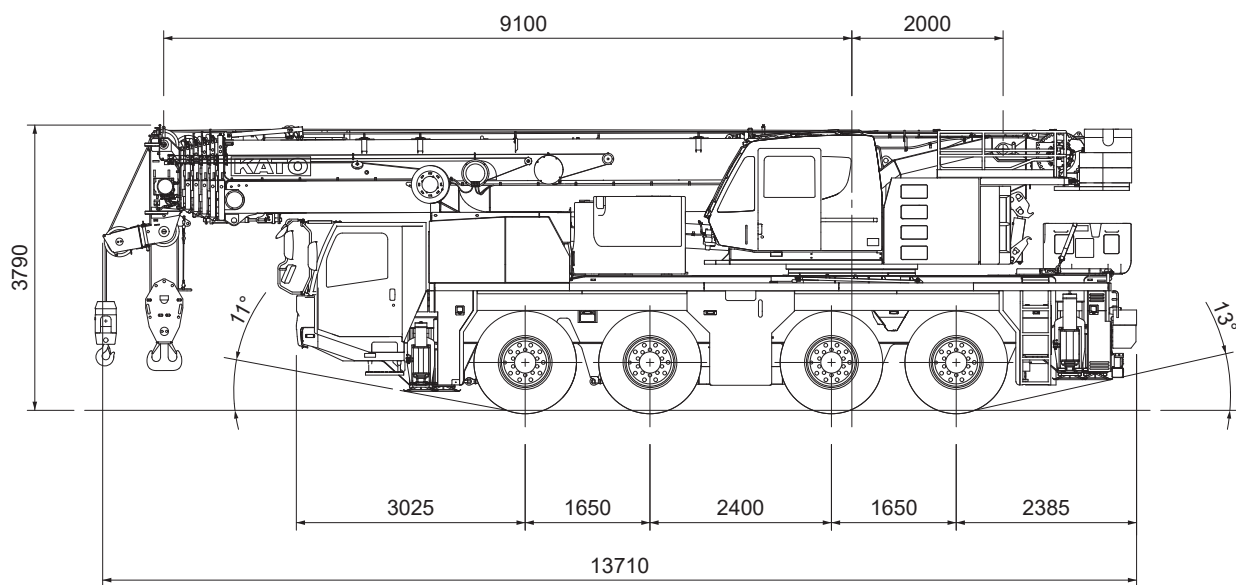
#### Standard equipment

|  |                                                                                                                                                                                                                                                                              |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Adjustable steering wheel, Air conditioner, Power Window,<br>Adjustable suspension seat, Sun visor,<br>Centralized lubricating system, Air dryer,<br>AM/FM Radio, Towing hook (front and rear, eye type),<br>LED head lamp, Day time running light, Aluminum outrigger plate |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

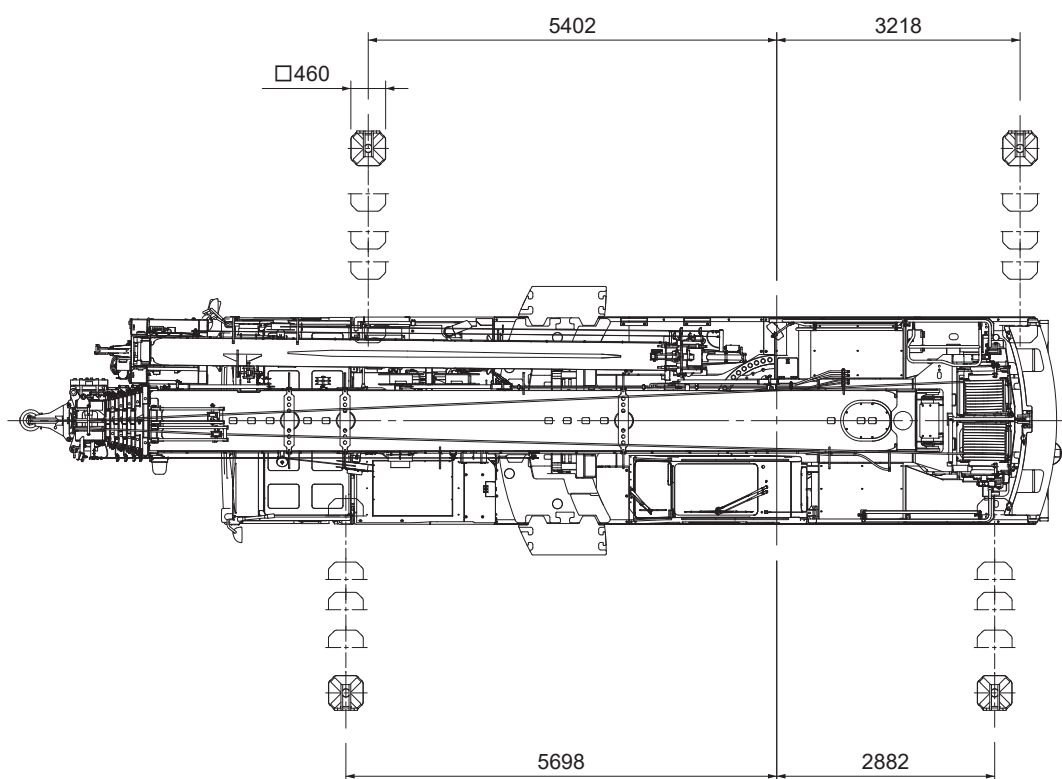
#### Optional equipments

|  |                                                       |
|--|-------------------------------------------------------|
|  | Air heater, Yellow rev. light, Tachograph, Door visor |
|--|-------------------------------------------------------|

## Overall view

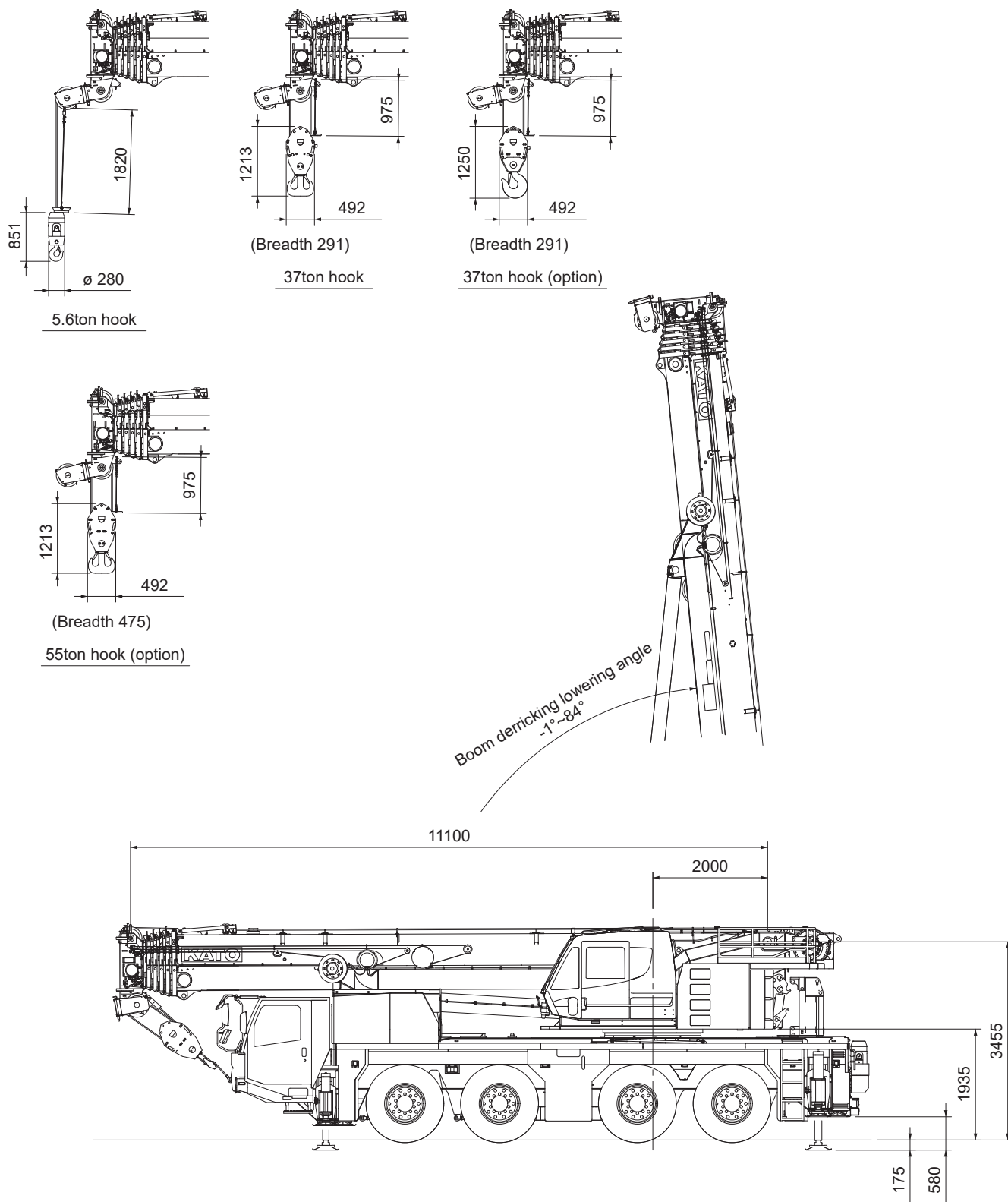


\*Work site driving position  
(with 29.8t counterweight mounted)

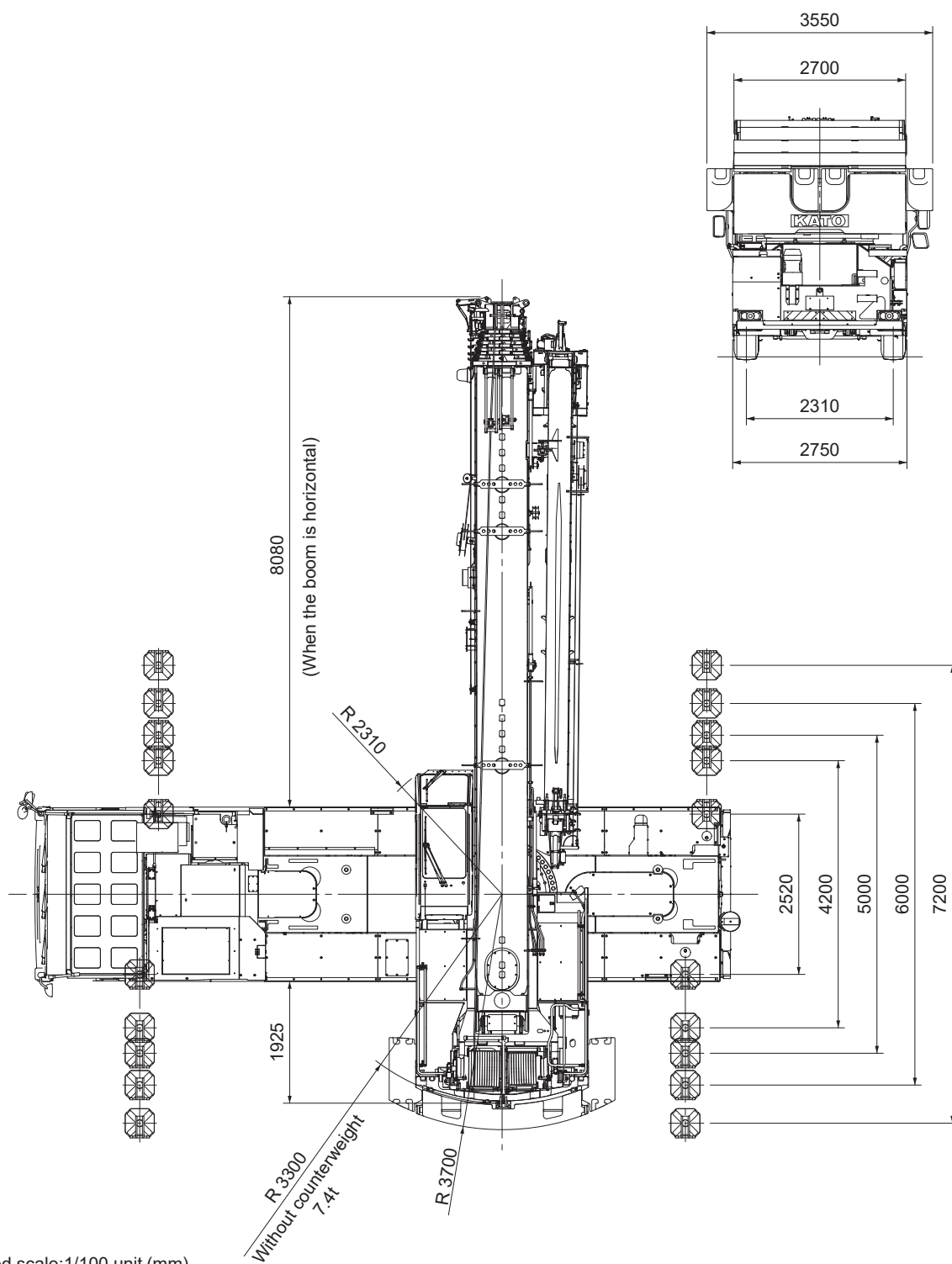


Reduced scale: 1/100 unit (mm)

## Overall view



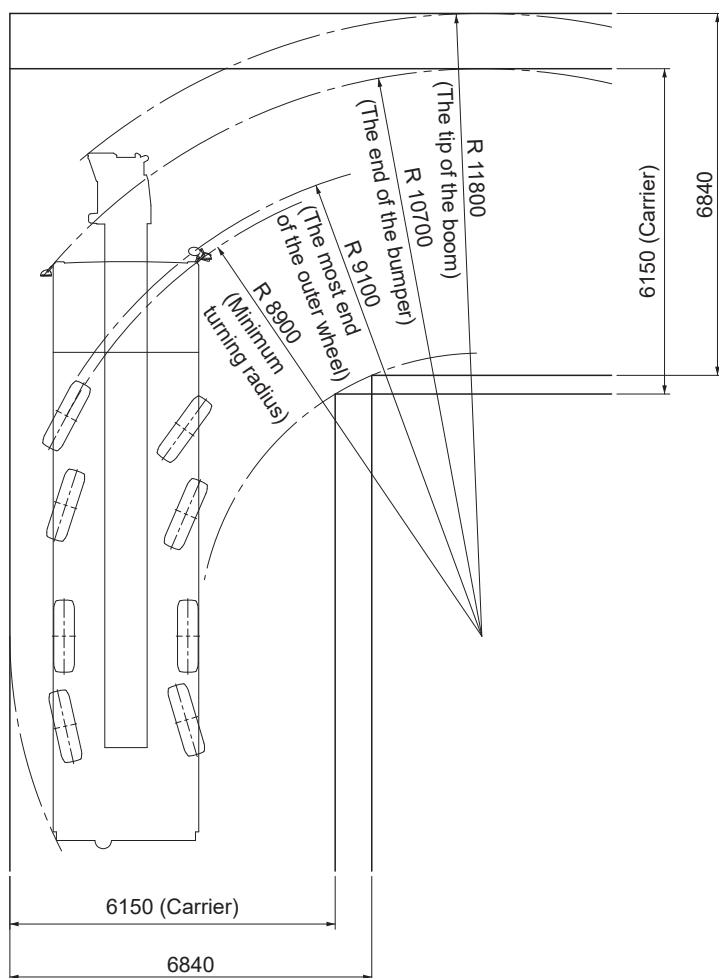
Reduced scale: 1/100 unit (mm)



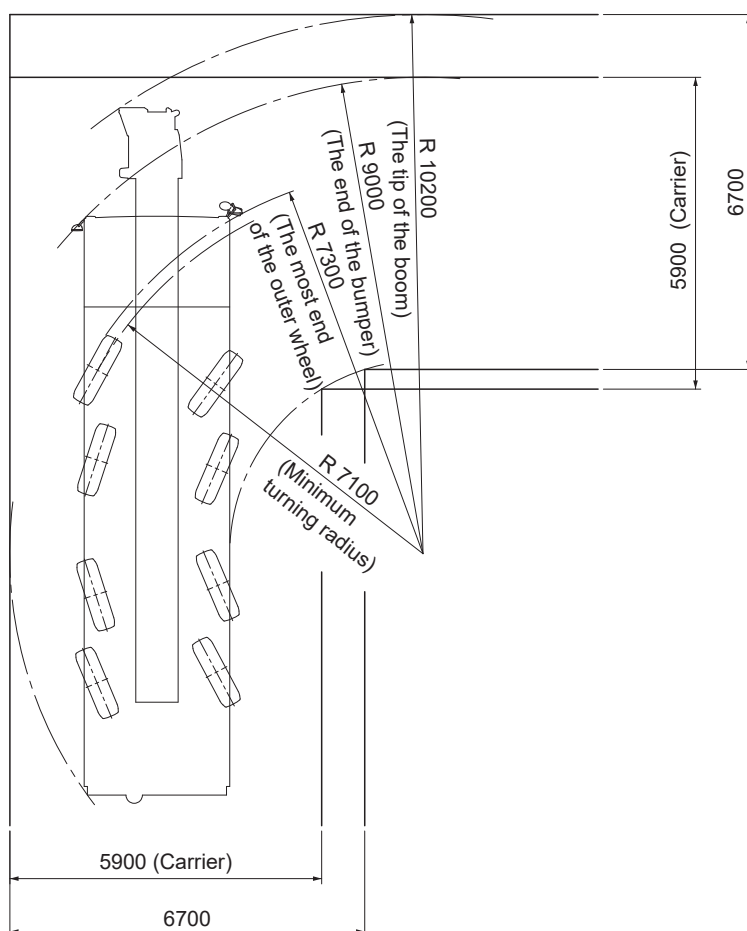
Reduced scale: 1/100 unit (mm)

## ■ Minimum right-angle passage width

General driving

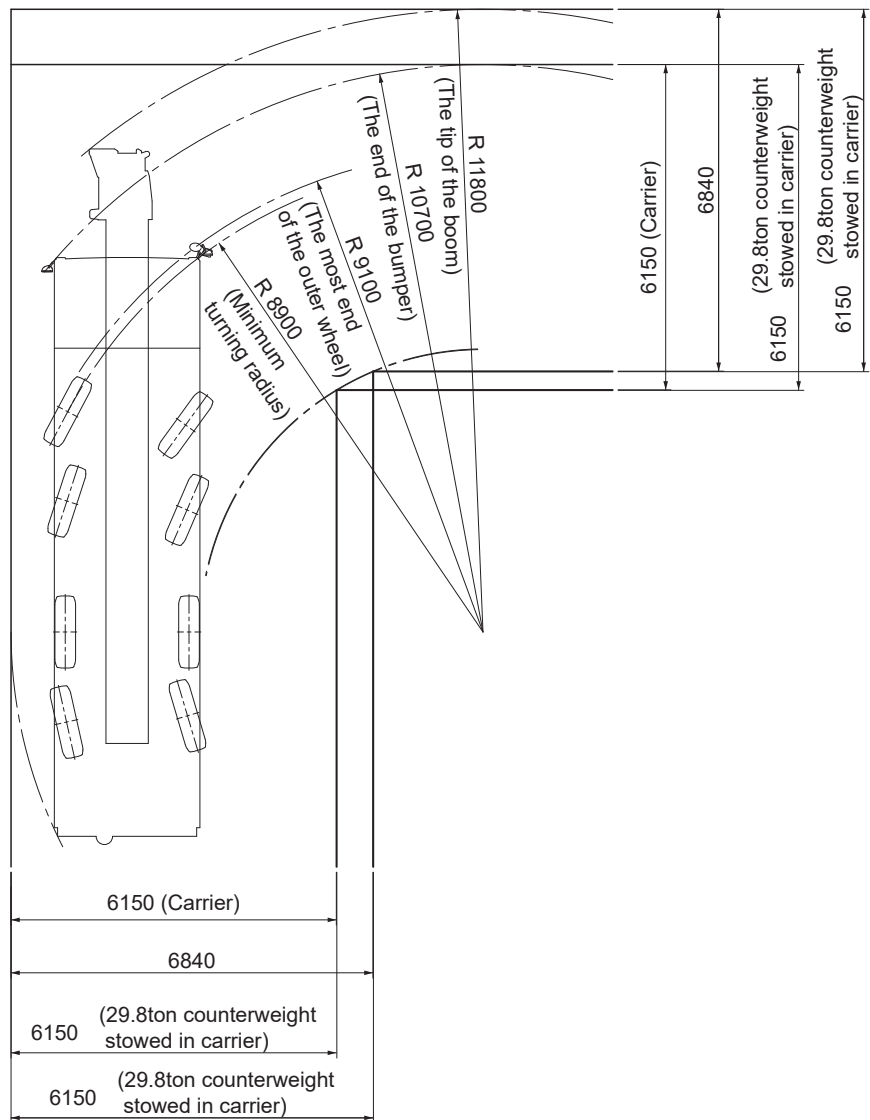


General driving  
(Special steering)



## ■ Minimum right-angle passage width

When driving within work site





## Decomposition transport list

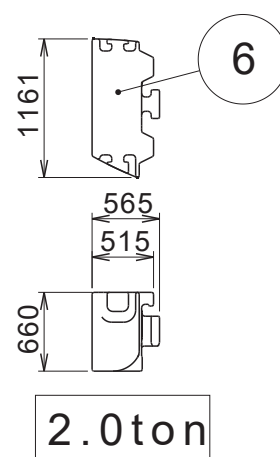
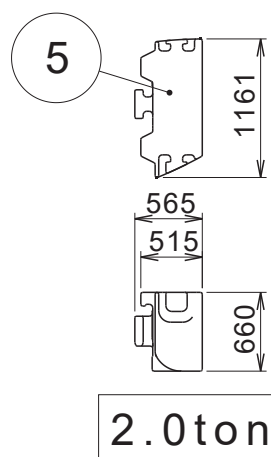
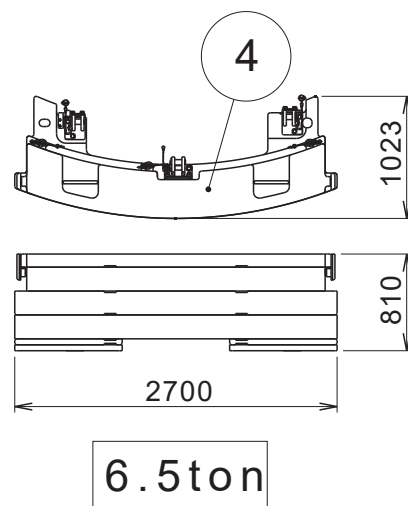
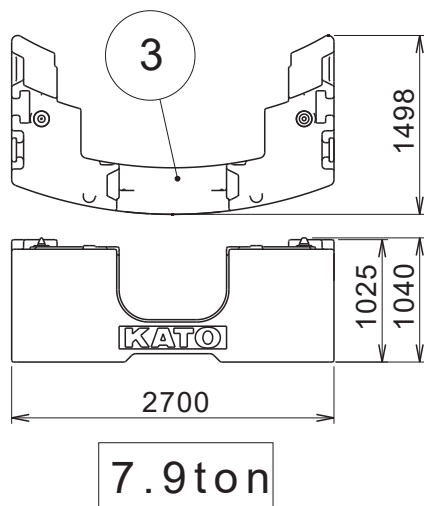
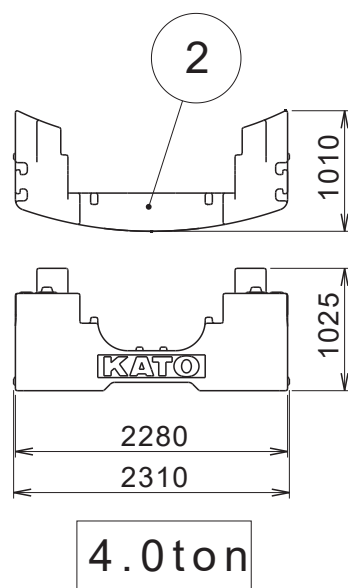
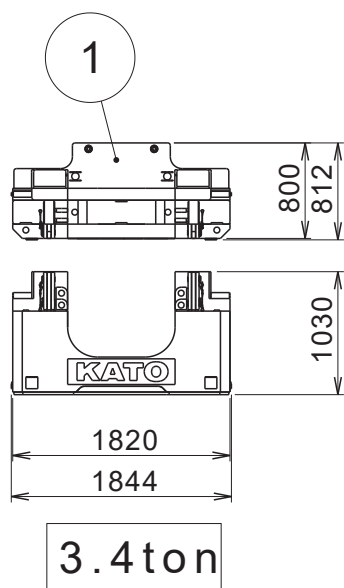
# ***KA-1100RX***

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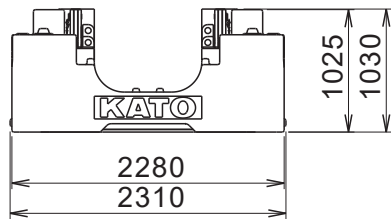
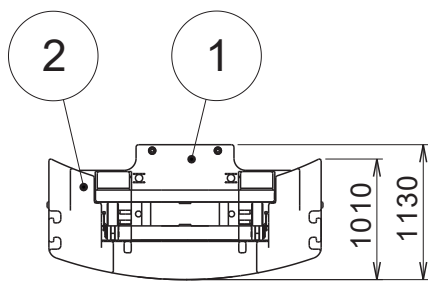
|                                                     |    |
|-----------------------------------------------------|----|
| 1. Counter weight .....                             | 9  |
| 2. Auxiliary winch assembly .....                   | 12 |
| 3. SL Jib .....                                     | 13 |
| 4. Hook .....                                       | 14 |
| 5. Boom heavy load lifting equipment (Option) ..... | 16 |
| 6. Over hoisting detector .....                     | 17 |
| 7. Dismounting / remounting jigs .....              | 18 |
| 8. Tools (for crane).....                           | 19 |



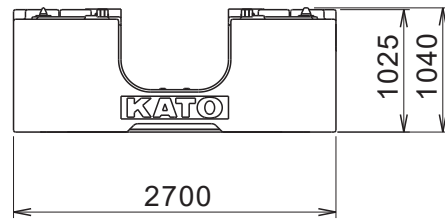
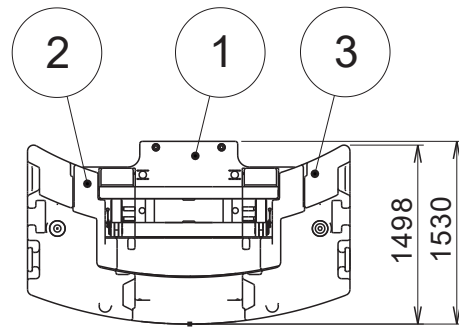
# 1. Counter weight



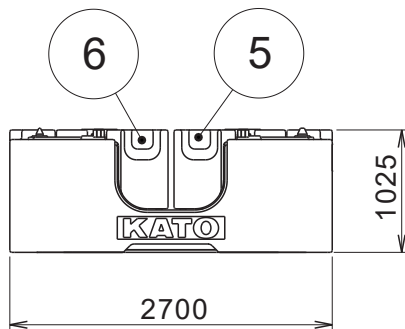
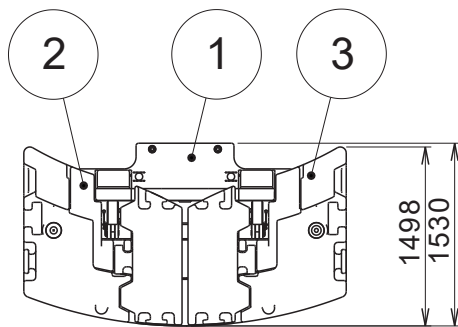
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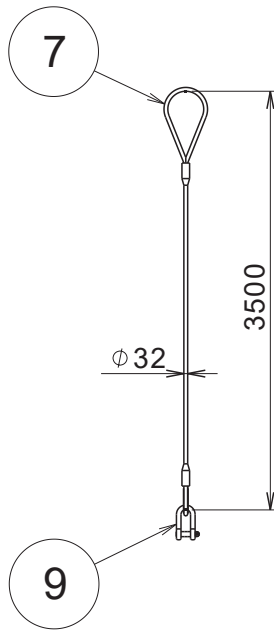
7.4ton



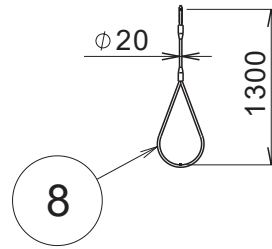
15.3ton



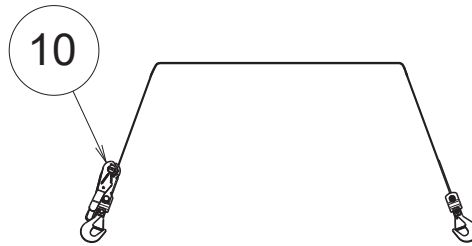
19.3ton



Counterweight lifting rope



Counterweight lifting rope

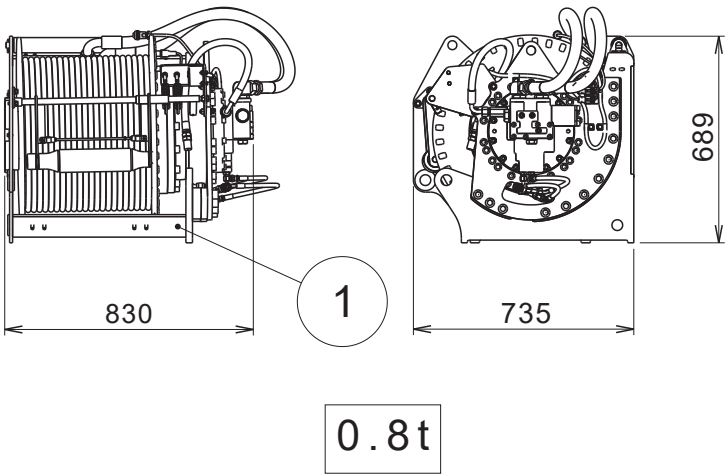


Belt

| No. | Name           | Q'ty | Note (Part No.)          |
|-----|----------------|------|--------------------------|
| 1   | Counter weight | 1    | 3.4t                     |
| 2   | Counter weight | 1    | 4.0t                     |
| 3   | Counter weight | 1    | 7.9t                     |
| 4   | Counter weight | 1    | 6.5t                     |
| 5   | Counter weight | 2    | 2.0t                     |
| 6   | Counter weight | 2    | 2.0t                     |
| 7   | Wire rope      | 2    | (70A-35131010)           |
| 8   | Wire rope      | 2    | (70A-35132000)           |
| 9   | Shackle        | 2    | for 16ton (821-84310000) |
| 10  | Belt           | 1    | (641-44116000)           |

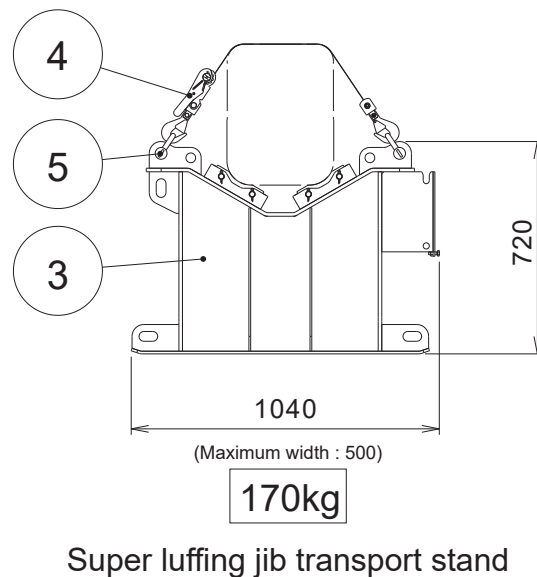
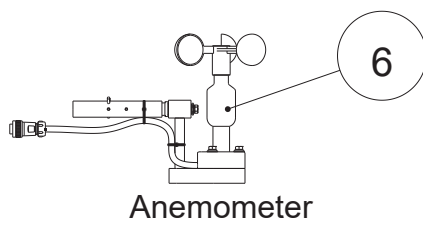
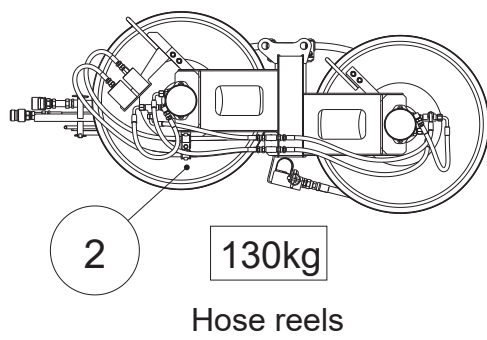
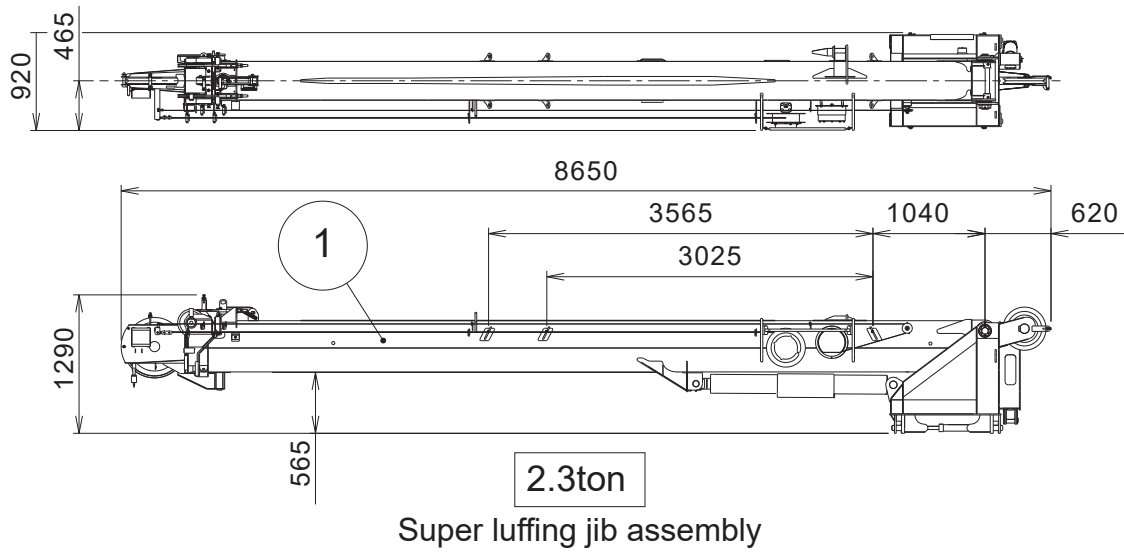
C05141-00030E

2. Auxiliary winch assembly



| No. | Name                     | Q'ty | Note (Part No.) |
|-----|--------------------------|------|-----------------|
| 1   | Auxiliary winch assembly | 1    |                 |

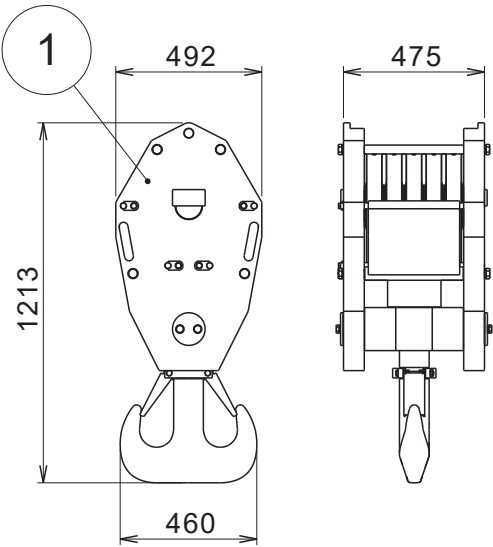
### 3. SL Jib



| No. | Name                              | Q'ty | Note (Part No.)                       |
|-----|-----------------------------------|------|---------------------------------------|
| 1   | Super luffing jib assembly        | 1    |                                       |
| 2   | Hose reels                        | 1    |                                       |
| 3   | Super luffing jib transport stand | 1    |                                       |
| 4   | Belt                              | 1    | (721-47905000)                        |
| 5   | Shackle                           | 2    | (001-50716000)                        |
| 6   | Anemometer assembly               | 1    | (For both Boom and Super Luffing Jib) |

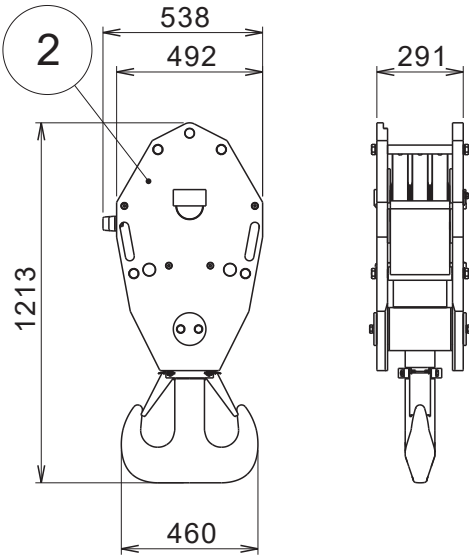
C05141-00050E

# 4. Hook



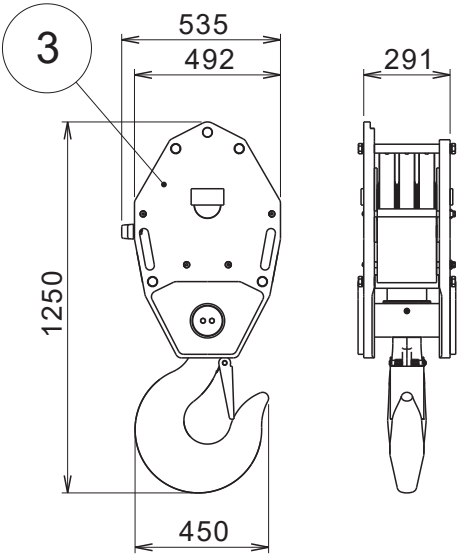
55ton hook (option)

650Kg



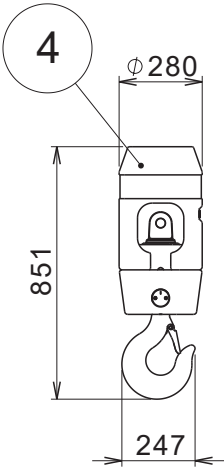
37ton hook

400Kg



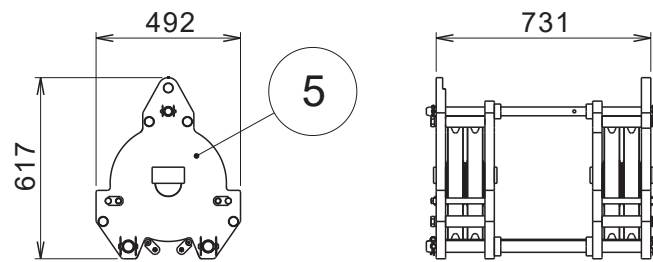
37ton hook (option)

400Kg



5.6ton hook

150Kg



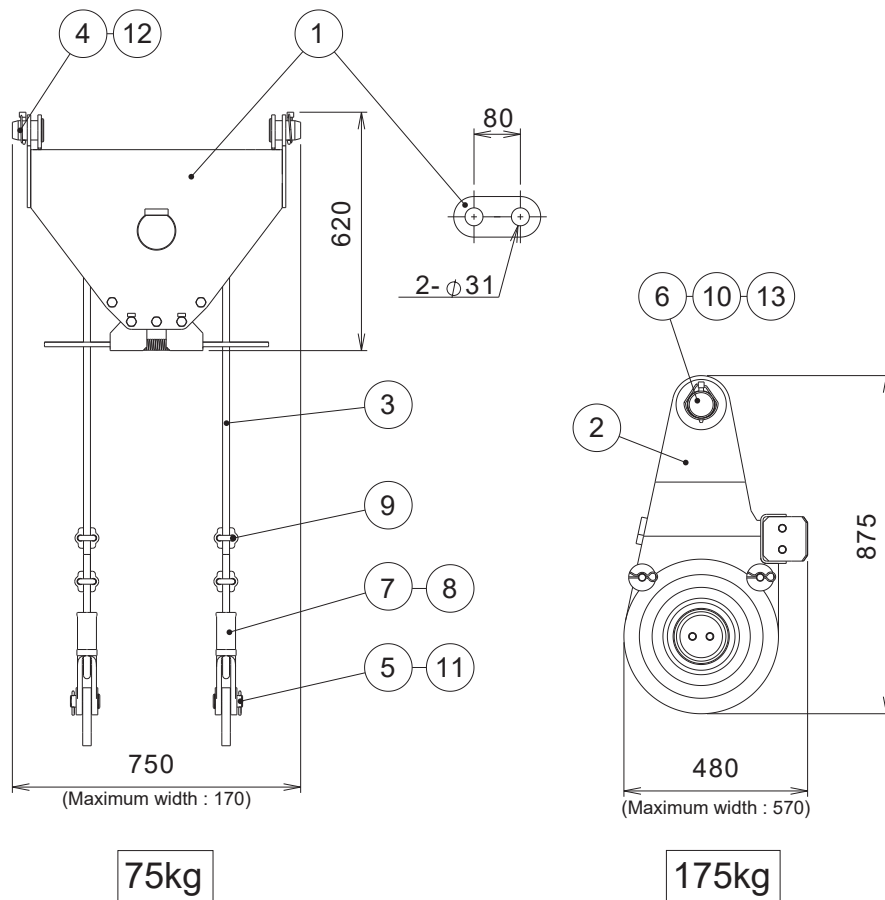
Sub-hook sheave for 110ton hook (option)

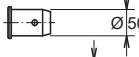
270 kg

| No. | Name                     | Q'ty | Note (Part No.)                |
|-----|--------------------------|------|--------------------------------|
| 1   | Hook assembly            | 1    | for 55ton (option)             |
| 2   | Hook assembly            | 1    | for 37ton Ramshorn Hook        |
| 3   | Hook assembly            | 1    | for 37ton Single Hook (option) |
| 4   | Hook assembly            | 1    | for 5.6ton                     |
| 5   | Sub hook sheave assembly | 1    | for 110ton (option)            |

C05141-00070E

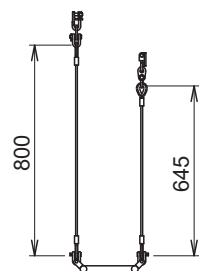
## 5. Boom heavy load lifting equipment (option)



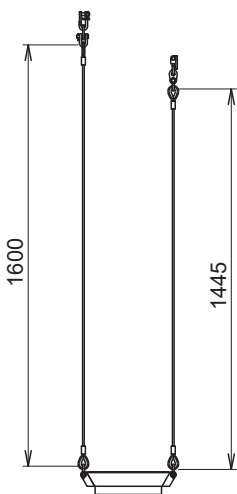
| No. | Name                    | Q'ty | Note (Part No.)                                                                                     |
|-----|-------------------------|------|-----------------------------------------------------------------------------------------------------|
| 1   | Sub top sheave assembly | 1    |                                                                                                     |
| 2   | Sheave block assembly   | 1    |                                                                                                     |
| 3   | Wire rope               | 1    | $\phi 18 \times 3600$ (70A-37306001)                                                                |
| 4   | Pin                     | 2    |  (101-37304002) |
| 5   | Pin                     | 2    |  (071-84203002) |
| 6   | Pin                     | 1    |  (70A-48403000) |
| 7   | Rope socket             | 2    | (70A-37309000)                                                                                      |
| 8   | Rope wedge              | 2    | (001-50418000)                                                                                      |
| 9   | Wire grip               | 4    | (001-56018000)                                                                                      |
| 10  | Split pin               | 1    |  (001-20210110) |
| 11  | Split pin               | 2    |  (001-20206045) |
| 12  | Quick pin               | 2    |  (001-20550000) |
| 13  | Quick pin               | 1    |  (001-20570000) |

C05141-00080E

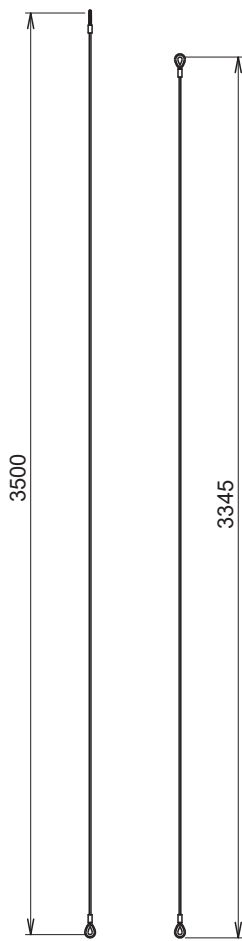
6. Over hoisting detector



1 set (for boom)



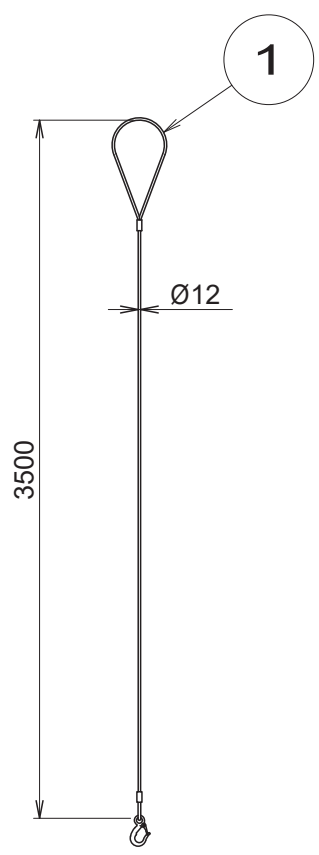
1 set (for rooster sheave and SL jib)



1 set (for heavy weight)

C05141-00090E

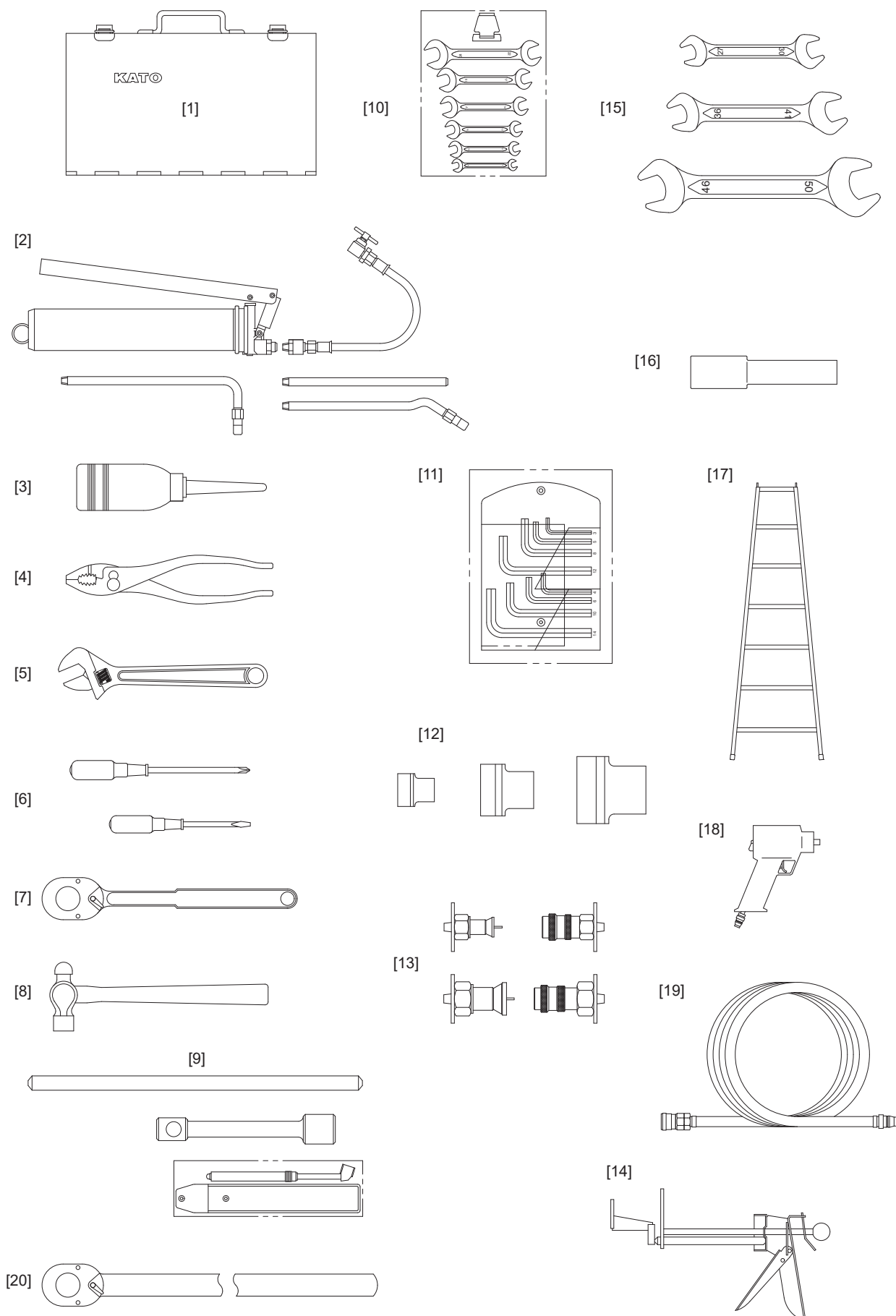
7. Dismounting / remounting jigs



Wire rope for Super Luffing Jib auxiliary winch dismount

| No. | Name      | Q'ty | Note (Part No.) |
|-----|-----------|------|-----------------|
| 1   | Wire rope | 4    | (70A-47905010)  |

8. Tools (for crane)



## Tools

|    | Name                                                                                                          | Qty                  | Note |
|----|---------------------------------------------------------------------------------------------------------------|----------------------|------|
| 1  | Toolbox                                                                                                       | 1                    |      |
| 2  | Grease gun                                                                                                    | 1set                 |      |
| 3  | Oiler                                                                                                         | 1                    |      |
| 4  | Plier200                                                                                                      | 1                    |      |
| 5  | Monkey wrench375 (0 ~ 44)                                                                                     | 1                    |      |
| 6  | Driver -100、Driver +150                                                                                       | 1 for each. Total 2. |      |
| 7  | Socket wrench3/4"                                                                                             | 1                    |      |
| 8  | Hunmer 1Lb                                                                                                    | 1                    |      |
| 9  | Tire tools Steering wheel、Wheel nut socket、Air gauge                                                          | 1 for each. Total 3. |      |
| 10 | Spanner set 8×10、11×13、12×14、14×17、17×19、22×24                                                                | 1 for each. Total 6. |      |
| 11 | Wrench set 3、4、5、6、8、10、12、14                                                                                 | 1set                 |      |
| 12 | Socket $\square 41 \times \square 3/4"$ 、 $\square 30 \times \square 1/2"$ 、 $\square 50 \times \square 3/4"$ | 1 for each. Total 3. |      |
| 13 | Pressure relief tool (male, female) 1/2" (male, female)                                                       | 1 for each. Total 4. |      |
| 14 | Coupler press-fitting machine                                                                                 | 1                    |      |
| 15 | Spanner 50×46、41×36、30×27                                                                                     | 1 for each. Total 3. |      |
| 16 | Extension $\square 3/4"$ male× $\square 1/2"$ female180L                                                      | 1                    |      |
| 17 | Stepladder (2m)                                                                                               | 1                    |      |
| 18 | Air runner                                                                                                    | 1set                 |      |
| 19 | Air hose 20m male female                                                                                      | 1                    |      |
| 20 | Torque Wrench                                                                                                 | 1                    |      |

(821T-0027-1E)

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○Super Luffing Jib Lifting Capacity Chart .....87



# Notes for the Lifting Capacity Chart

## Notes for the Lifting Capacity Chart

1. The lifting capacity chart indicates the maximum load which can be lifted by this crane provided it is level and standing on firm level ground. The values in the chart include the mass of the main hook and slings for boom operation, and auxiliary hook and slings for SL jib operation. Within the chart the figures in the area bordered with a thick line are based on structural limitations while other figures are determined by stability limitations.
2. The following tables show the lifting capacity, which is classified based on the outrigger extension width and counterweight mounting status. During boom operations, the lifting capacity can vary depending on the boom extension status, even for the same performance mode or boom length.

In the tables below, counterweights stowed at the front of the carrier are assumed to be from 15.3 to 29.8 tons, counterweights stowed at the rear of the carrier from 3.4 to 29.8 tons, and if no counterweight is indicated, the counterweight is assumed to be zero tons, with either a zero, 3.4, or 7.4 ton counterweight stowed at the front of the carrier.

Operation of Boom with heavy load unit (SL jib stowed into right side of the boom or operation of boom without SL jib) [Rear]

| Counterweight             | 29.8t |
|---------------------------|-------|
| Outrigger extension width | FS1   |
| 7.2m                      |       |

Operation of boom with SL jib stowed into right side of boom

| Counterweight             | 29.8t | 25.8t | 21.8t | 15.3t | 7.4t | Without counterweight | Stowed in front or rear position on carrier |
|---------------------------|-------|-------|-------|-------|------|-----------------------|---------------------------------------------|
| Outrigger extension width |       |       |       |       |      |                       |                                             |
| 7.2 m                     | S1    | A1    | B1    | C1    | D1   | E1                    | F1                                          |
| 6.0 m                     | S2    | A2    | B2    | C2    | D2   | E2                    | F2                                          |
| 5.0 m                     | S3    | A3    | B3    | C3    | D3   | E3                    | F3                                          |
| 4.2 m                     |       | A4    | B4    | C4    | D4   | E4                    | F4                                          |
| 2.52 m                    |       |       |       |       |      | E5                    | F5                                          |

Operation of boom without SL jib

| Counterweight             | 29.8t | 25.8t | 21.8t | 15.3t | 7.4t | Without counterweight | Stowed in front or rear position on carrier |
|---------------------------|-------|-------|-------|-------|------|-----------------------|---------------------------------------------|
| Outrigger extension width |       |       |       |       |      |                       |                                             |
| 7.2 m                     | NS1   | NA1   | NB1   | NC1   | ND1  | NE1                   | NF1                                         |
| 6.0 m                     | NS2   | NA2   | NB2   | NC2   | ND2  | NE2                   | NF2                                         |
| 5.0 m                     | NS3   | NA3   | NB3   | NC3   | ND3  | NE3                   | NF3                                         |
| 4.2 m                     |       | NA4   | NB4   | NC4   | ND4  | NE4                   | NF4                                         |
| 2.52 m                    |       |       |       |       |      | NE5                   | NF5                                         |

Operation of SL jib

| Counterweight             | 29.8t | 25.8t | 21.8t | 15.3t | 7.4t | Without counterweight |
|---------------------------|-------|-------|-------|-------|------|-----------------------|
| Outrigger extension width |       |       |       |       |      |                       |
| 7.2 m                     | SS1   | SA1   | SB1   | SC1   | SD1  | SE1                   |
| 6.0 m                     | SS2   | SA2   | SB2   | SC2   | SD2  |                       |
| 5.0 m                     | SS3   | SA3   | SB3   | SC3   |      |                       |
| 4.2 m                     |       | SA4   | SB4   | SC4   |      |                       |

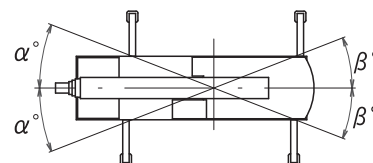
3. During boom operations, if the boom lock pin is not inserted after the last time the boom was extended or retracted, the performance is the same as if no boom lock pin was inserted. The maximum load values without the pin indicated in the lifting capacity chart are maximum lifting capacity values assuming no boom lock pin is inserted.

4. The lifting capacity of both sides differs depending on the outriggers condition.

Therefore, please refer to the rated lifting capacity of each outriggers condition.

Also please refer to the fully extended outrigger's rated lifting capacity when you lift in the front or rear.

| Operation status           | Heavy load            | Normal                                 |                              |
|----------------------------|-----------------------|----------------------------------------|------------------------------|
| Outrigger extension status | Full extension (7.2m) | Intermediately extended (4.2m to 6.0m) | Completely retracted (2.52m) |
| Area $\alpha^\circ$        | —                     | 15°                                    | 5°                           |
| Area $\beta^\circ$         | 5°                    | 15°                                    | 5°                           |



- The working radii are the actual values allowing for boom and SL jib deflection. Therefore, you must always operate the crane on the basis of the working radius.
- If the boom length, boom angle, working radius, SL jib length and/or SL jib angle exceeds the rated value, use the lifting capacity for the rated value or for the next one, whichever gives the smaller lifting capacity.
- In whatever working conditions the corresponding minimum boom angle is shown in the chart. The crane can tip over if the boom is lowered below the minimum boom angle even if unloaded. Therefore, never lower the boom below these angles.
- The standard parts of line for each boom length are as indicated in the chart. If you work with a non-standard number of parts of line, do not exceed 54.8 kN (5.6 tf) per wire rope respectively.
- When operating the SL jib, make sure the boom extension status satisfies the following table. Do not operate the SL jib without the lock pin inserted in the boom.

Boom extension status during SL jib operations (Telescoping conditions)

| Boom length \ Boom section | 33.2m | 40.5m | 47.9m | 51.3m |
|----------------------------|-------|-------|-------|-------|
| 2nd boom (%)               | 92    | 92    | 92    | 100   |
| 3rd boom (%)               | 46    | 92    | 92    | 100   |
| 4th boom (%)               | 46    | 92    | 92    | 100   |
| 5th boom (%)               | 46    | 46    | 92    | 100   |
| 6th boom (%)               | 46    | 46    | 92    | 100   |

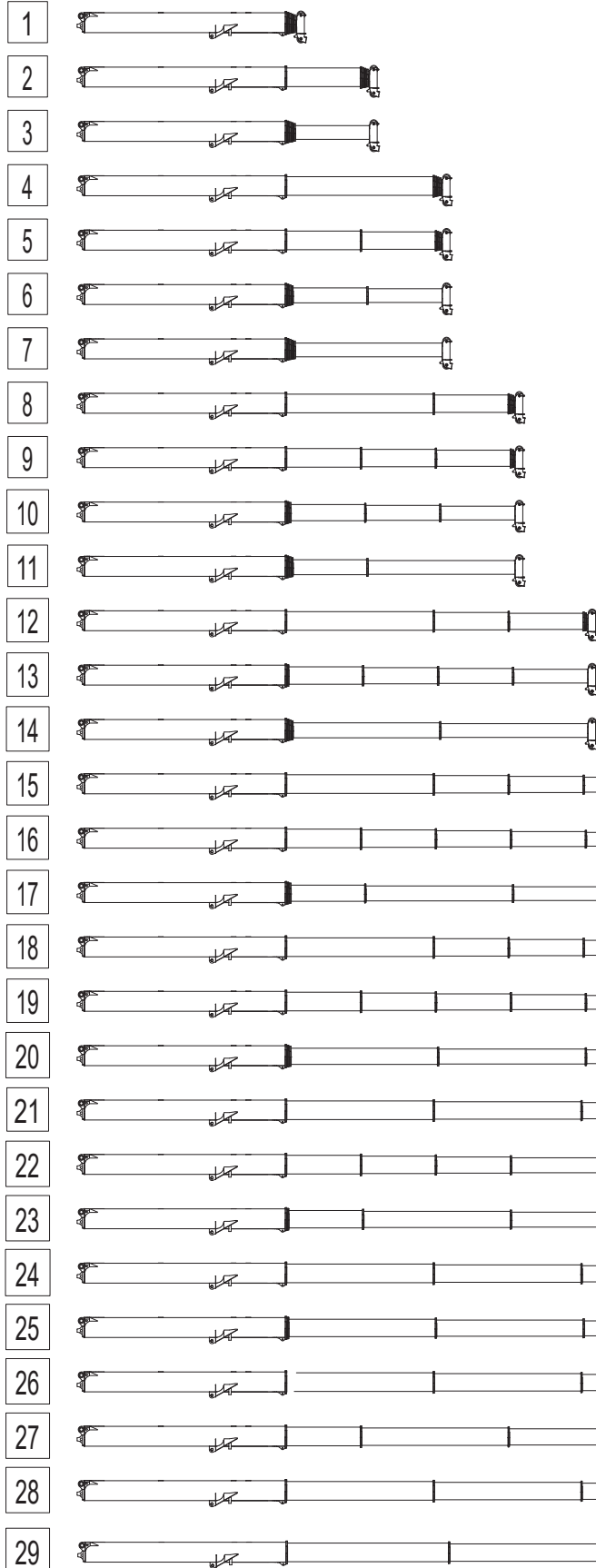
- If you are working with the boom while the SL jib is rigged, subtract 7.3 tons plus the mass of all attached hook, slings, etc. to the boom from each lifting capacity of the boom, with an upper limit of 40 tons. Set the SL jib offset angle to 15 degrees or less. Do not use the rooster sheave in this situation.
- The lifting capacity of the rooster sheave is the lifting capacity of the boom minus the mass of all attached hook, slings, etc. to the boom, with an upper limit of 5.6 tons.  
[The hook for use with the rooster sheave is the 5.6 ton hook (mass: 150 kg) with one part of line.]
- If the total load exceeds 55 tons, use a heavy load system (55 ton hook + 37 ton hook + sub-hook sheave).
- High-speed winch operation should only be performed to allow descent of the hook alone. Avoid sudden lever operation.
- Crane operation is permissible up to a wind speed of 10 m/s. Even in relatively light wind conditions, extra care should be taken when handling loads presenting large wind catching areas.
- If you work with a load in excess of the lifting capacity or use incorrect working procedures, you are risking damaging the crane or tipping it over. In such cases, the crane will not be guaranteed.
- Due to product improvements or other reasons, specifications indicated above are subject to change without notice.

# Boom Telescoping Modes

Two types of boom telescoping modes are available for this machine, either automatic or manual telescoping.

The following 29 boom configurations are possible for the automatic boom telescoping mode. Boom lengths and extension/retraction percentages for each boom section are specified for each configuration number. Note that the rated lifting capacity varies depending on the percent each boom section is extended, even if the overall boom length is the same.

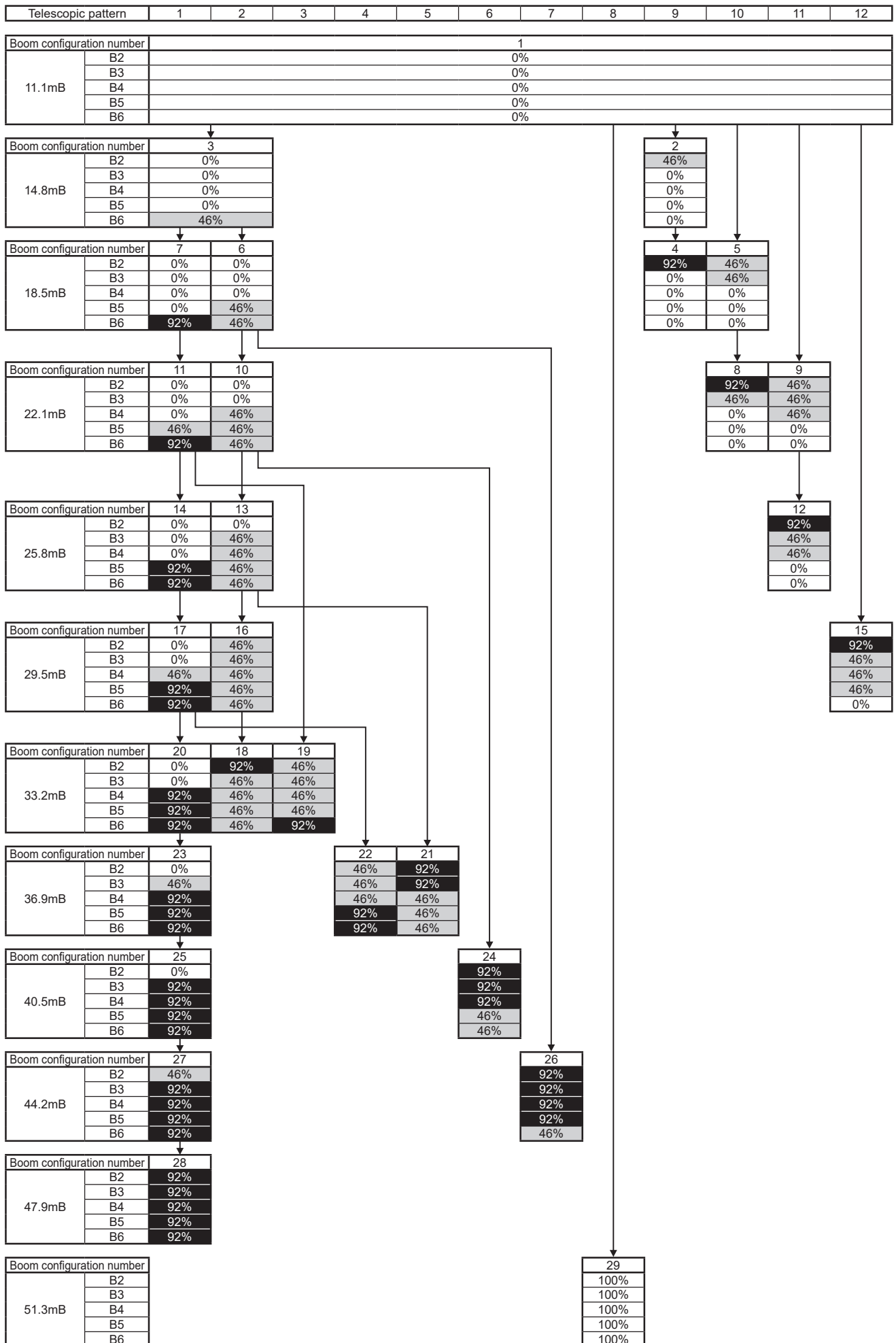
Boom configuration number



Boom length (m), Telescoping conditions (%)

| Boom length | Telescoping conditions (%) |          |          |          |          | Boom configuration number |
|-------------|----------------------------|----------|----------|----------|----------|---------------------------|
|             | Boom (2)                   | Boom (3) | Boom (4) | Boom (5) | Boom (6) |                           |
| 11.1m       | 0                          | 0        | 0        | 0        | 0        | 1                         |
| 14.8m       | 46                         | 0        | 0        | 0        | 0        | 2                         |
|             | 0                          | 0        | 0        | 0        | 46       | 3                         |
| 18.5m       | 92                         | 0        | 0        | 0        | 0        | 4                         |
|             | 46                         | 46       | 0        | 0        | 0        | 5                         |
|             | 0                          | 0        | 0        | 46       | 46       | 6                         |
|             | 0                          | 0        | 0        | 0        | 92       | 7                         |
|             | 92                         | 46       | 0        | 0        | 0        | 8                         |
| 22.1m       | 46                         | 46       | 46       | 0        | 0        | 9                         |
|             | 0                          | 0        | 46       | 46       | 46       | 10                        |
|             | 0                          | 0        | 0        | 46       | 92       | 11                        |
|             | 92                         | 46       | 46       | 0        | 0        | 12                        |
| 25.8m       | 0                          | 46       | 46       | 46       | 46       | 13                        |
|             | 0                          | 0        | 0        | 92       | 92       | 14                        |
|             | 92                         | 46       | 46       | 46       | 0        | 15                        |
| 29.5m       | 46                         | 46       | 46       | 46       | 46       | 16                        |
|             | 0                          | 0        | 46       | 92       | 92       | 17                        |
|             | 92                         | 46       | 46       | 46       | 46       | 18                        |
| 33.2m       | 46                         | 46       | 46       | 46       | 92       | 19                        |
|             | 0                          | 0        | 92       | 92       | 92       | 20                        |
|             | 92                         | 92       | 46       | 46       | 46       | 21                        |
| 36.9m       | 46                         | 46       | 46       | 92       | 92       | 22                        |
|             | 0                          | 46       | 92       | 92       | 92       | 23                        |
|             | 92                         | 92       | 92       | 46       | 46       | 24                        |
| 40.5m       | 0                          | 92       | 92       | 92       | 92       | 25                        |
|             | 92                         | 92       | 92       | 92       | 46       | 26                        |
| 44.2m       | 46                         | 92       | 92       | 92       | 92       | 27                        |
|             | 92                         | 92       | 92       | 92       | 92       | 28                        |
| 47.9m       | 92                         | 92       | 92       | 92       | 92       | 29                        |
| 51.3m       | 100                        | 100      | 100      | 100      | 100      | 29                        |

# Block Diagram of Performance





# Boom Lifting Capacity Chart

## [Working Ranges]

|                                                    |    |
|----------------------------------------------------|----|
| ■ Boom Working Ranges (With Heavy Load Unit) ..... | 30 |
| ■ Boom Working Ranges .....                        | 31 |

## [Operation of boom with heavy load unit]

|                          |    |
|--------------------------|----|
| ■ Specification FS ..... | 32 |
|--------------------------|----|

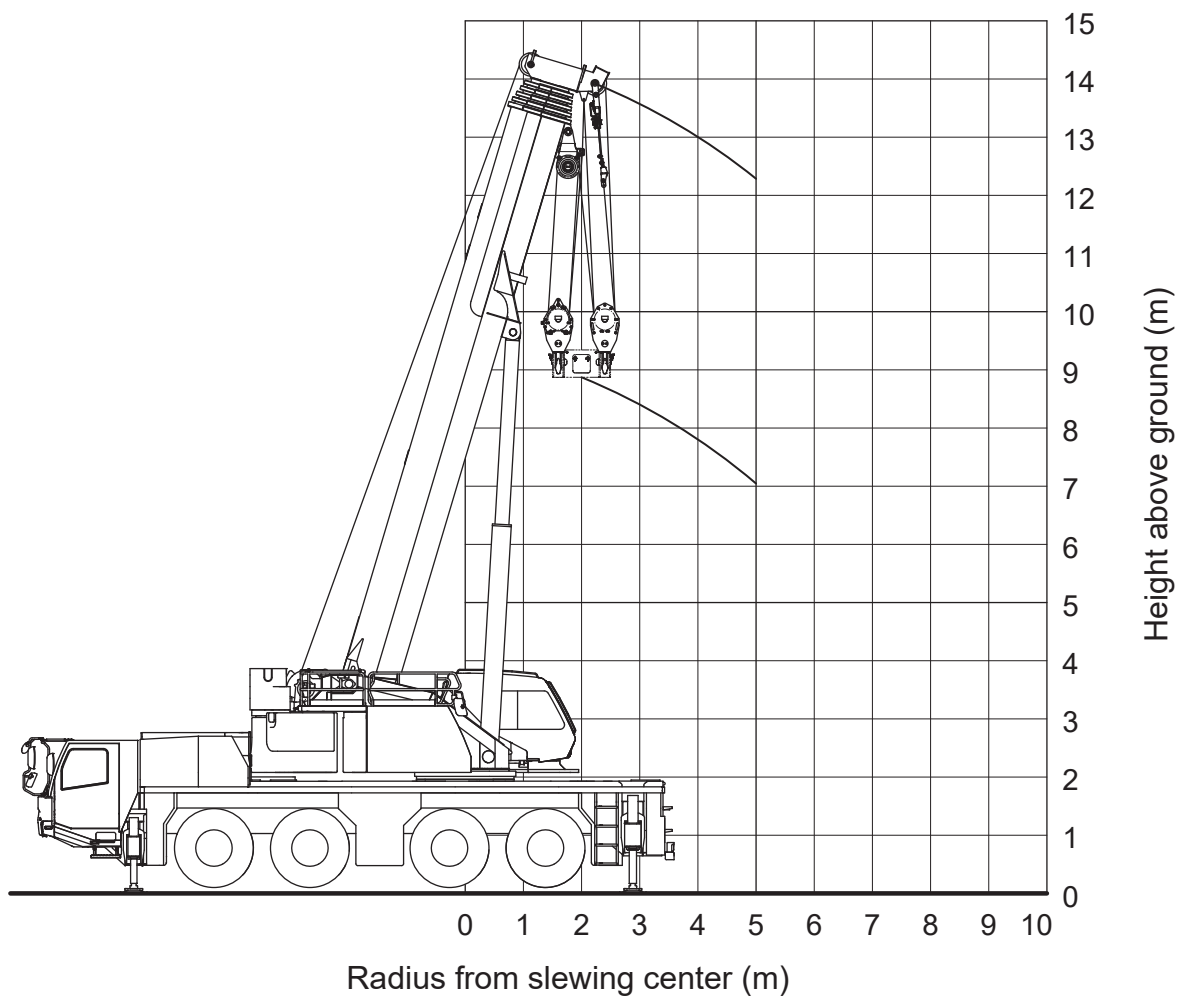
## [Operation of boom with SL jib stowed into right side of boom]

|                         |    |
|-------------------------|----|
| ■ Specification S ..... | 33 |
| ■ Specification A ..... | 36 |
| ■ Specification B ..... | 40 |
| ■ Specification C ..... | 44 |
| ■ Specification D ..... | 48 |
| ■ Specification E ..... | 52 |
| ■ Specification F ..... | 57 |

## [Operation of boom without SL jib]

|                          |    |
|--------------------------|----|
| ■ Specification NS ..... | 60 |
| ■ Specification NA ..... | 63 |
| ■ Specification NB ..... | 67 |
| ■ Specification NC ..... | 71 |
| ■ Specification ND ..... | 75 |
| ■ Specification NE ..... | 79 |
| ■ Specification NF ..... | 84 |

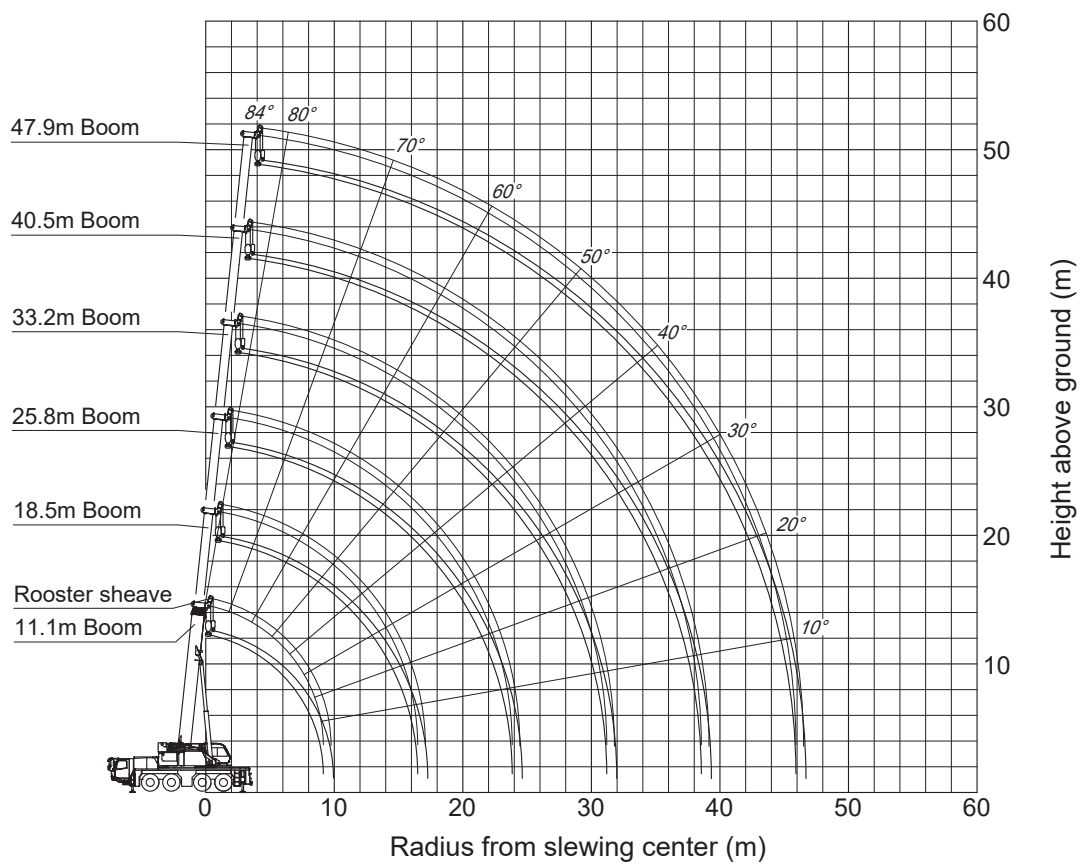
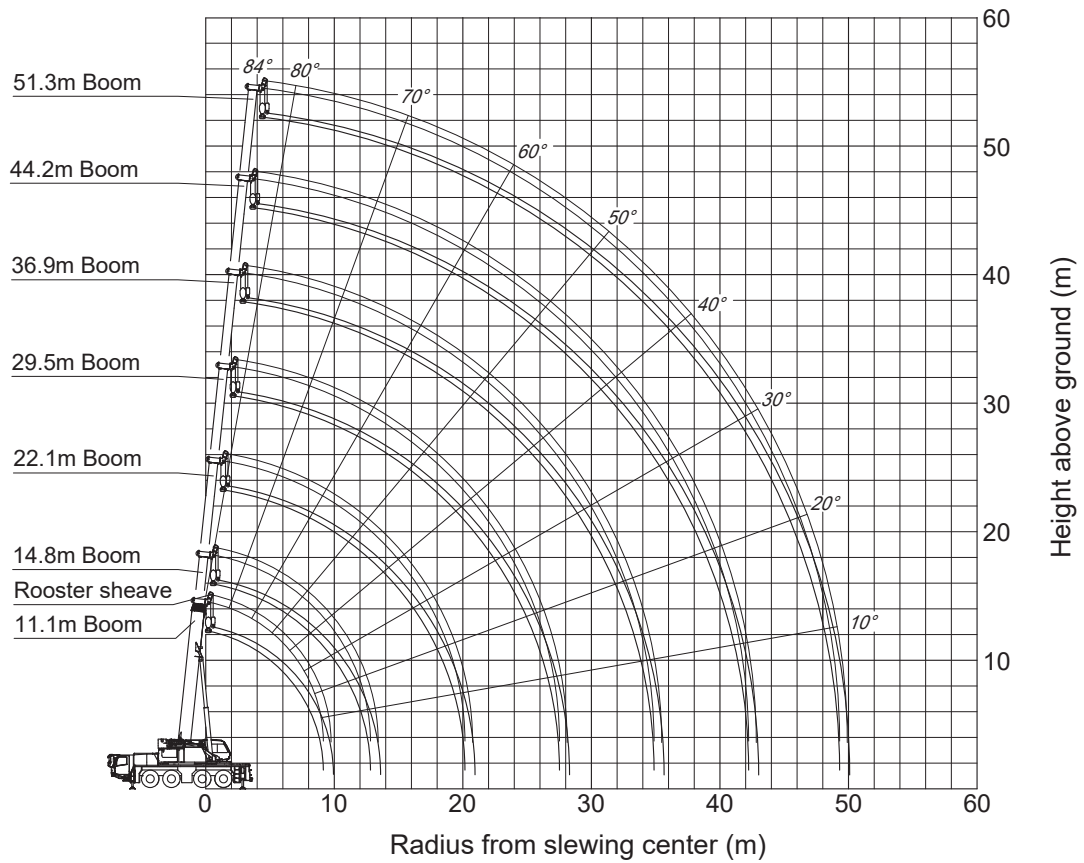
## Boom Working Ranges (With Heavy Load Unit)



### Notes:

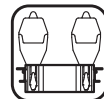
1. This diagram does not include deflection of Boom.
2. This diagram is for specification FS1.

# Boom Working Ranges



## Notes:

1. This diagram does not include deflection of Boom.
2. This diagram shows the range for specification S1. (NS1)



## Specification FS1

 Outriggers fully extended (7.2m) Over rear,  
with 29.8ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

|                                           |                            |
|-------------------------------------------|----------------------------|
| Telescopic pattern                        | 1                          |
| Boom configuration number                 | 1                          |
| Working radius (m)                        | 11.1m Boom Heavy load unit |
| 2.0                                       | 110.0                      |
| 2.3                                       | 100.0                      |
| 2.5                                       | 89.9                       |
| 3.0                                       | 79.5                       |
| 3.5                                       | 71.1                       |
| 4.0                                       | 64.2                       |
| 4.5                                       | 58.4                       |
| 5.0                                       | 53.6                       |
| Maximum lifting capacity without lock pin | 25.5                       |
| Min. boom angle (° )                      | —                          |
| Telescoping conditions (%)                |                            |
| 2nd boom                                  | 0                          |
| 3rd boom                                  | 0                          |
| 4th boom                                  | 0                          |
| 5th boom                                  | 0                          |
| 6th boom                                  | 0                          |
| Standard hook                             | for 110ton                 |
| Hook mass                                 | 1320kg                     |
| Parts of line                             | 24                         |

(Unit: Metric ton)



## Specification S1

Outriggers fully extended (7.2m) 360° full range,  
with 29.8ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1          | 10        | 11        | 2         | 1          | 11        | 2         | 1          | 12        | 2         | 1          | 2         | 3          | 1         | 5          | 4         | 1          | 6         | 1          | 7          | 1         | 1         | 8    |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|------------|-----------|-----------|------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7          | 8         | 9         | 10        | 11         | 12        | 13        | 14         | 15        | 16        | 17         | 18        | 19         | 20        | 21         | 22        | 23         | 24        | 25         | 26         | 27        | 28        | 29   |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           | 36.9m Boom |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |           |           |      |
| 2.5                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           |      |
| 3.0                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           |      |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30      |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           |      |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40      | 46.00     | 46.00     | 35.00     | 28.00      |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           |      |
| 4.5                                       | 55.00      | 55.00      | 33.30      | 54.10     | 50.00     | 35.00     | 23.70      | 46.00     | 46.00     | 35.00     | 26.30      | 41.00     | 35.00     | 25.30      |           |           |            |           |            |           |            |           |            |           |            |            |           |           |      |
| 5.0                                       | 53.90      | 54.40      | 31.50      | 50.40     | 50.00     | 35.00     | 22.20      | 45.20     | 46.00     | 35.00     | 24.80      | 40.40     | 35.00     | 23.60      |           |           |            |           |            |           |            |           |            |           |            |            |           |           |      |
| 6.0                                       | 46.20      | 46.30      | 28.60      | 44.30     | 47.20     | 32.30     | 19.80      | 39.90     | 46.00     | 35.00     | 22.30      | 35.70     | 35.00     | 20.90      | 31.50     | 30.00     | 22.50      |           |            |           |            |           |            |           |            |            |           |           |      |
| 7.0                                       | 40.60      | 40.20      | 26.20      | 39.50     | 40.90     | 29.80     | 17.80      | 35.40     | 41.70     | 32.60     | 20.20      | 31.80     | 34.80     | 18.70      | 29.60     | 30.00     | 20.30      | 25.00     | 21.00      | 18.00     |            |           |            |           |            |            |           |           |      |
| 8.0                                       | 37.10      | 35.40      | 24.20      | 35.20     | 35.90     | 27.70     | 16.20      | 31.70     | 36.70     | 30.40     | 18.50      | 28.70     | 32.70     | 16.90      | 26.60     | 30.00     | 18.40      | 25.00     | 21.00      | 17.00     | 20.00      | 16.30     | 15.00      | 16.00     | 13.00      |            |           |           |      |
| 9.0                                       | 25.30      | 31.70      | 22.60      | 31.30     | 31.90     | 25.90     | 14.80      | 28.70     | 32.60     | 28.10     | 17.10      | 26.10     | 30.80     | 15.40      | 24.20     | 30.00     | 16.80      | 22.90     | 21.00      | 15.40     | 20.00      | 16.30     | 15.00      | 16.00     | 13.00      | 13.00      | 11.00     |           |      |
| 10.0                                      |            | 28.80      | 21.20      | 28.10     | 28.70     | 24.40     | 13.70      | 26.20     | 29.20     | 25.90     | 15.90      | 23.90     | 29.00     | 14.20      | 22.10     | 29.70     | 15.40      | 21.00     | 20.60      | 14.10     | 19.70      | 16.30     | 15.00      | 16.00     | 13.00      | 13.00      | 11.00     | 10.40     |      |
| 11.0                                      |            | 25.55      | 20.10      | 25.40     | 26.00     | 23.10     | 12.70      | 24.00     | 26.40     | 24.00     | 14.80      | 22.00     | 27.00     | 13.10      | 20.40     | 27.20     | 14.20      | 19.30     | 19.40      | 13.00     | 18.10      | 16.30     | 14.10      | 16.00     | 13.00      | 13.00      | 11.00     | 10.40     | 9.00 |
| 12.0                                      |            | 22.00      | 19.20      | 21.65     | 21.85     | 21.90     | 11.80      | 22.10     | 23.15     | 22.40     | 13.90      | 20.40     | 24.00     | 12.20      | 18.80     | 24.00     | 13.10      | 17.80     | 18.30      | 12.00     | 16.70      | 15.60     | 13.10      | 16.00     | 13.00      | 13.00      | 11.00     | 10.40     | 9.00 |
| 14.0                                      |            |            |            | 16.75     | 17.35     | 19.25     | 10.50      | 17.20     | 17.95     | 19.50     | 12.40      | 17.70     | 19.45     | 10.60      | 16.30     | 19.20     | 11.40      | 15.50     | 16.50      | 10.40     | 14.40      | 13.80     | 11.50      | 13.80     | 12.30      | 13.00      | 11.00     | 10.40     | 9.00 |
| 16.0                                      |            |            |            | 13.20     | 13.70     | 15.30     | 9.50       | 13.60     | 14.40     | 15.90     | 11.20      | 14.15     | 15.85     | 9.40       | 14.30     | 15.60     | 10.10      | 13.60     | 15.00      | 9.20      | 12.60      | 12.30     | 10.10      | 12.10     | 10.90      | 11.70      | 11.00     | 10.40     | 9.00 |
| 18.0                                      |            |            |            |           |           |           |            | 11.05     | 11.75     | 13.25     | 10.10      | 11.50     | 13.15     | 8.50       | 12.10     | 12.90     | 9.00       | 12.10     | 13.40      | 8.20      | 11.20      | 11.10     | 9.10       | 10.70     | 9.70       | 10.30      | 10.50     | 10.20     | 9.00 |
| 20.0                                      |            |            |            |           |           |           |            | 7.90      | 8.40      | 9.60      | 9.30       | 9.55      | 11.15     | 7.70       | 10.05     | 10.90     | 8.10       | 10.60     | 11.35      | 7.30      | 10.00      | 10.10     | 8.20       | 9.50      | 8.70       | 9.20       | 9.50      | 9.10      | 8.30 |
| 22.0                                      |            |            |            |           |           |           |            |           |           |           |            | 8.00      | 9.55      | 7.00       | 8.50      | 9.30      | 7.40       | 9.00      | 9.75       | 6.60      | 9.00       | 9.20      | 7.40       | 8.50      | 7.80       | 8.20       | 8.60      | 8.20      | 7.60 |
| 24.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            | 7.20      | 8.00      | 6.80       | 7.75      | 8.40       | 6.00      | 7.70       | 8.50      | 6.80       | 7.70      | 7.10       | 7.40       | 7.80      | 7.40      | 6.90 |
| 26.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            | 6.15      | 6.95      | 6.30       | 6.65      | 7.35       | 5.50      | 6.65       | 7.55      | 6.30       | 6.80      | 6.50       | 6.80       | 7.20      | 6.70      | 6.20 |
| 28.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 5.75      | 6.45       | 5.10      | 5.80       | 6.70      | 5.80       | 5.95      | 6.00       | 6.20       | 6.60      | 6.10      | 5.70 |
| 30.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 5.00      | 5.70       | 4.80      | 5.00       | 5.90      | 5.40       | 5.20      | 5.50       | 5.40       | 5.90      | 5.60      | 5.20 |
| 32.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           | 4.35       | 5.25      | 5.00       | 4.55      | 5.10       | 4.75       | 5.25      | 5.00      | 4.70 |
| 34.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           | 3.80       | 4.65      | 4.80       | 3.95      | 4.70       | 4.15       | 4.65      | 4.45      | 4.30 |
| 36.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            | 3.45      | 4.30       | 3.70       | 4.15      | 3.90      | 3.95 |
| 38.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            | 3.00      | 3.85       | 3.20       | 3.70      | 3.50      | 3.50 |
| 40.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            | 2.85       | 3.30      | 3.10      | 3.10 |
| 42.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            | 2.45       | 2.95      | 2.70      | 2.75 |
| 44.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           | 2.40      | 2.45 |
| 46.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           | 2.10 |
| 48.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           | 1.80 |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30      | 19.90     | 21.60     | 23.40     | 18.30      | 19.50     | 22.20     | 17.80      | 18.80     | 20.50     | 17.80      | 18.30     | 18.30      | 17.30     | 17.60      | 16.30     | 15.00      | 16.00     | 13.00      | 13.00      | 11.00     | 10.40     | 9.00 |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —          | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —          | —         | —          | —         | —          | —         | —          | —          | —         | —         | —    |
| Telescoping conditions (%)                |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           |      |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0          | 92        | 46        | 0         | 0          | 92        | 0         | 0          | 92        | 46        | 0          | 92        | 46         | 0         | 92         | 46        | 0          | 92        | 0          | 92         | 46        | 92        | 100  |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0          | 46        | 46        | 0         | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46         | 0         | 92         | 46        | 46         | 92        | 92         | 92         | 92        | 92        | 100  |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 46         | 46        | 46         | 92        | 46         | 46        | 92         | 92        | 92         | 92         | 92        | 92        | 100  |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0          | 0         | 0         | 46        | 46         | 0         | 46        | 92         | 46        | 46        | 92         | 46        | 46         | 92        | 46         | 92        | 92         | 46        | 92         | 92         | 92        | 92        | 100  |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92         | 0         | 0         | 46        | 92         | 0         | 46        | 92         | 0         | 46        | 92         | 46        | 92         | 92        | 46         | 92        | 92         | 46        | 92         | 46         | 92        | 92        | 100  |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton  | for 37ton | for 37ton |      |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg      | 400kg     | 400kg     |      |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6          | 9         | 9         | 7         | 6          | 8         | 7         | 5          | 6         | 6         | 5          | 5         | 4          | 4         | 4          | 3         | 3          | 3         | 3          | 3          | 2         | 2         | 2    |

(Unit: Metric ton)

S

A

B

C

D

E

F

With SL jib

Without SL jib

**Specification S2**

Outriggers intermediately extended (6.0m) over side,  
with 29.8ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11        | 2          | 1         | 12        | 2          | 1         | 2         | 3          | 1         | 5         | 4          | 1         | 6         | 1          | 7         | 1          | 1         | 8          |            |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12        | 13         | 14        | 15        | 16         | 17        | 18        | 19         | 20        | 21        | 22         | 23        | 24        | 25         | 26        | 27         | 28        | 29         |            |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 55.00      | 55.00      | 33.30      | 54.10     | 50.00     | 35.00     | 23.70     | 46.00      | 46.00     | 35.00     | 26.30     | 41.00     | 35.00      | 25.30     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 53.90      | 54.40      | 31.50      | 50.40     | 50.00     | 35.00     | 22.20     | 45.20      | 46.00     | 35.00     | 24.80     | 40.40     | 35.00      | 23.60     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 46.20      | 46.30      | 28.60      | 44.30     | 47.20     | 32.30     | 19.80     | 39.90      | 46.00     | 35.00     | 22.30     | 35.70     | 35.00      | 20.90     | 31.50     | 30.00      | 22.50     |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 40.60      | 40.20      | 26.20      | 39.50     | 40.90     | 29.80     | 17.80     | 35.40      | 41.70     | 32.60     | 20.20     | 31.80     | 34.80      | 18.70     | 29.60     | 30.00      | 20.30     | 25.00     | 21.00      | 18.00     |           |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 37.10      | 35.10      | 24.20      | 34.95     | 35.65     | 27.70     | 16.20     | 31.70      | 36.30     | 30.40     | 18.50     | 28.70     | 32.70      | 16.90     | 26.60     | 30.00      | 18.40     | 25.00     | 21.00      | 17.00     | 20.00     | 16.30      | 15.00     | 16.00     | 13.00      |           |            |           |            |            |
| 9.0                                       | 25.30      | 28.70      | 22.60      | 28.55     | 29.20     | 25.90     | 14.80     | 28.70      | 29.85     | 28.10     | 17.10     | 26.10     | 30.80      | 15.40     | 24.20     | 30.00      | 16.80     | 22.90     | 21.00      | 15.40     | 20.00     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      |           |            |            |
| 10.0                                      |            | 24.05      | 21.20      | 23.90     | 24.55     | 24.40     | 13.70     | 24.30      | 25.15     | 25.90     | 15.90     | 23.90     | 26.80      | 14.20     | 22.10     | 26.50      | 15.40     | 21.00     | 20.60      | 14.10     | 19.70     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     |            |            |
| 11.0                                      |            | 20.50      | 20.10      | 20.35     | 20.95     | 22.90     | 12.70     | 20.75      | 21.55     | 23.15     | 14.80     | 21.30     | 23.10      | 13.10     | 20.40     | 22.80      | 14.20     | 19.30     | 19.40      | 13.00     | 18.10     | 16.30      | 14.10     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| 12.0                                      |            | 17.65      | 19.20      | 17.55     | 18.15     | 20.00     | 11.80     | 17.95      | 18.70     | 20.30     | 13.90     | 18.45     | 20.25      | 12.20     | 18.80     | 19.95      | 13.10     | 17.80     | 18.30      | 12.00     | 16.70     | 15.60      | 13.10     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| 14.0                                      |            |            |            | 13.40     | 14.00     | 15.75     | 10.50     | 13.80      | 14.55     | 16.05     | 12.40     | 14.30     | 16.00      | 10.60     | 14.85     | 15.75      | 11.40     | 15.45     | 16.20      | 10.40     | 14.40     | 13.80      | 11.50     | 13.80     | 12.30      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| 16.0                                      |            |            |            | 10.50     | 11.05     | 12.80     | 9.50      | 10.90      | 11.60     | 13.10     | 11.20     | 11.40     | 13.05      | 9.40      | 11.90     | 12.75      | 10.10     | 12.45     | 13.20      | 9.20      | 12.50     | 12.30      | 10.10     | 12.10     | 10.90      | 11.70     | 11.00      | 10.40     | 9.00       |            |
| 18.0                                      |            |            |            |           |           |           |           | 8.70       | 9.45      | 10.90     | 10.10     | 9.25      | 10.80      | 8.50      | 9.75      | 10.55      | 9.00      | 10.25     | 11.00      | 8.20      | 10.30     | 11.10      | 9.10      | 10.45     | 9.70       | 10.30     | 10.50      | 10.20     | 9.00       |            |
| 20.0                                      |            |            |            |           |           |           |           | 7.05       | 7.75      | 9.20      | 9.30      | 7.55      | 9.10       | 7.70      | 8.10      | 8.90       | 8.10      | 8.55      | 9.30       | 7.30      | 8.60      | 9.50       | 8.20      | 8.75      | 8.70       | 9.00      | 9.50       | 9.10      | 8.30       |            |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           | 6.25      | 7.75       | 7.00      | 6.75      | 7.55       | 7.40      | 7.25      | 7.95       | 6.60      | 7.30      | 8.15       | 7.40      | 7.40      | 7.80       | 7.65      | 8.20       | 7.90      | 7.60       |            |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 5.65      | 6.45       | 6.80      | 6.15      | 6.85       | 6.00      | 6.20      | 7.05       | 6.80      | 6.30      | 7.10       | 6.55      | 7.05       | 6.80      | 6.85       |            |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 4.75      | 5.55       | 6.30      | 5.25      | 5.90       | 5.50      | 5.25      | 6.15       | 6.30      | 5.40      | 6.30       | 5.60      | 6.15       | 5.90      | 5.95       |            |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           | 4.50      | 5.15       | 5.10      | 4.50      | 5.35       | 5.65      | 4.65      | 5.50       | 4.85      | 5.35       | 5.15      | 5.15       |            |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           | 3.85      | 4.50       | 4.80      | 3.85      | 4.70       | 5.00      | 4.00      | 4.85       | 4.20      | 4.70       | 4.50      | 4.50       |            |
| 32.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           | 3.30      | 4.15       | 4.45      | 3.45      | 4.25       | 3.65      | 4.15       | 3.90      | 3.95       |            |
| 34.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           | 2.80      | 3.65       | 3.95      | 2.95      | 3.75       | 3.15      | 3.65       | 3.45      | 3.45       |            |
| 36.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           | 2.50      | 3.35       | 2.70      | 3.20       | 3.00      | 3.00       |            |
| 38.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           | 2.15      | 2.95       | 2.35      | 2.80       | 2.60      | 2.65       |            |
| 40.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 2.00      | 2.50       | 2.25      | 2.30       |            |
| 42.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 1.65      | 2.20       | 1.95      | 2.00       |            |
| 44.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            | 1.65      | 1.70       |            |
| 46.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           | 1.45       |            |
| 48.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           | 1.20       |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50     | 22.20      | 17.80     | 18.80     | 20.50      | 17.80     | 18.30     | 18.30      | 17.30     | 17.60     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | —          | —         | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —          | —         | —          |            |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92        | 0          | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 0          | 92        | 46         | 92        | 100        |            |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46        | 46         | 0         | 46        | 46         | 46        | 46        | 46         | 92        | 46        | 46         | 92        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0         | 46         | 92        | 46        | 46         | 92        | 46        | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 92         | 92        | 100        |            |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0         | 46         | 92        | 0         | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 46        | 92         | 46        | 92         | 92        | 100        |            |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      |            |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8         | 7          | 5         | 6         | 6          | 5         | 5         | 4          | 4         | 4         | 3          | 3         | 3         | 3          | 3         | 2          | 2         | 2          |            |

(Unit: Metric ton)



## Specification S3

Outriggers intermediately extended (5.0m) over side,  
with 29.8ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1          | 10        | 11        | 2         | 1          | 11        | 2         | 1          | 12        | 2         | 1          | 2         | 3          | 1         | 5          | 4         | 1          | 6         | 1          | 7          | 1         | 1         | 8         |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|------------|-----------|-----------|-----------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7          | 8         | 9         | 10        | 11         | 12        | 13        | 14         | 15        | 16        | 17         | 18        | 19         | 20        | 21         | 22        | 23         | 24        | 25         | 26         | 27        | 28        | 29        |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           | 36.9m Boom |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |           |           |           |
| 2.5                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           |           |
| 3.0                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           |           |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30      |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           |           |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40      | 46.00     | 46.00     | 35.00     | 28.00      |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           |           |
| 4.5                                       | 55.00      | 55.00      | 33.30      | 54.10     | 50.00     | 35.00     | 23.70      | 46.00     | 46.00     | 35.00     | 26.30      | 41.00     | 35.00     | 25.30      |           |           |            |           |            |           |            |           |            |           |            |            |           |           |           |
| 5.0                                       | 53.90      | 54.40      | 31.50      | 50.40     | 50.00     | 35.00     | 22.20      | 45.20     | 46.00     | 35.00     | 24.80      | 40.40     | 35.00     | 23.60      |           |           |            |           |            |           |            |           |            |           |            |            |           |           |           |
| 6.0                                       | 46.20      | 46.05      | 28.60      | 44.30     | 46.60     | 32.30     | 19.80      | 39.90     | 46.00     | 35.00     | 22.30      | 35.70     | 35.00     | 20.90      | 31.50     | 30.00     | 22.50      |           |            |           |            |           |            |           |            |            |           |           |           |
| 7.0                                       | 35.60      | 35.30      | 26.20      | 35.20     | 35.90     | 29.80     | 17.80      | 35.40     | 36.55     | 32.60     | 20.20      | 31.80     | 34.80     | 18.70      | 29.60     | 30.00     | 20.30      | 25.00     | 21.00      | 18.00     |            |           |            |           |            |            |           |           |           |
| 8.0                                       | 28.55      | 28.30      | 24.20      | 28.10     | 28.80     | 27.70     | 16.20      | 28.55     | 29.45     | 30.40     | 18.50      | 28.70     | 31.15     | 16.90      | 26.60     | 30.00     | 18.40      | 25.00     | 21.00      | 17.00     | 20.00      | 16.30     | 15.00      | 16.00     | 13.00      |            |           |           |           |
| 9.0                                       | 23.50      | 23.30      | 22.60      | 23.15     | 23.75     | 25.75     | 14.80      | 23.60     | 24.40     | 26.05     | 17.10      | 24.15     | 26.00     | 15.40      | 24.20     | 25.70     | 16.80      | 22.90     | 21.00      | 15.40     | 20.00      | 16.30     | 15.00      | 16.00     | 13.00      | 13.00      | 11.00     |           |           |
| 10.0                                      |            | 19.60      | 21.15      | 19.45     | 20.05     | 21.95     | 13.70      | 19.85     | 20.65     | 22.20     | 15.90      | 20.40     | 22.20     | 14.20      | 21.00     | 21.90     | 15.40      | 21.00     | 20.60      | 14.10     | 19.70      | 16.30     | 15.00      | 16.00     | 13.00      | 13.00      | 11.00     | 10.40     |           |
| 11.0                                      |            | 16.70      | 18.20      | 16.55     | 17.15     | 19.00     | 12.70      | 16.95     | 17.75     | 19.30     | 14.80      | 17.50     | 19.20     | 13.10      | 18.05     | 18.95     | 14.20      | 18.60     | 19.40      | 13.00     | 18.10      | 16.30     | 14.10      | 16.00     | 13.00      | 13.00      | 11.00     | 10.40     | 9.00      |
| 12.0                                      |            | 14.40      | 15.85      | 14.25     | 14.85     | 16.65     | 11.80      | 14.65     | 15.45     | 16.95     | 13.90      | 15.20     | 16.80     | 12.20      | 15.75     | 16.60     | 13.10      | 16.30     | 17.05      | 12.00     | 16.30      | 15.60     | 13.10      | 16.00     | 13.00      | 13.00      | 11.00     | 10.40     | 9.00      |
| 14.0                                      |            |            |            | 10.85     | 11.40     | 13.15     | 10.50      | 11.25     | 11.95     | 13.40     | 12.40      | 11.75     | 13.25     | 10.60      | 12.25     | 13.10     | 11.40      | 12.80     | 13.55      | 10.40     | 12.80      | 13.80     | 11.50      | 12.95     | 12.30      | 13.00      | 11.00     | 10.40     | 9.00      |
| 16.0                                      |            |            |            | 8.40      | 8.90      | 10.65     | 9.50       | 8.80      | 9.50      | 10.90     | 11.20      | 9.30      | 10.75     | 9.40       | 9.80      | 10.60     | 10.10      | 10.30     | 11.00      | 9.20      | 10.35      | 11.25     | 10.10      | 10.50     | 10.90      | 10.75      | 11.00     | 10.40     | 9.00      |
| 18.0                                      |            |            |            |           |           |           |            | 6.95      | 7.65      | 9.05      | 9.40       | 7.45      | 8.90      | 8.50       | 7.95      | 8.75      | 9.00       | 8.45      | 9.15       | 8.20      | 8.50       | 9.35      | 9.10       | 8.65      | 9.50       | 8.85       | 9.40      | 9.15      | 9.00      |
| 20.0                                      |            |            |            |           |           |           |            | 5.50      | 6.20      | 7.55      | 7.95       | 6.00      | 7.50      | 7.70       | 6.50      | 7.30      | 8.10       | 7.00      | 7.70       | 7.30      | 7.05       | 7.90      | 8.20       | 7.20      | 8.05       | 7.40       | 7.95      | 7.70      | 7.70      |
| 22.0                                      |            |            |            |           |           |           |            |           |           |           |            | 4.85      | 6.40      | 6.95       | 5.35      | 6.15      | 7.05       | 5.85      | 6.55       | 6.60      | 5.85       | 6.75      | 7.05       | 6.05      | 6.85       | 6.25       | 6.75      | 6.50      | 6.55      |
| 24.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            | 4.40      | 5.20      | 6.15       | 4.90      | 5.60       | 6.00      | 4.95       | 5.80      | 6.10       | 5.10      | 5.95       | 5.30       | 5.80      | 5.55      | 5.60      |
| 26.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            | 3.60      | 4.40      | 5.40       | 4.10      | 4.80       | 5.30      | 4.15       | 5.00      | 5.30       | 4.30      | 5.15       | 4.50       | 5.00      | 4.75      | 4.80      |
| 28.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 3.45      | 4.15       | 4.65      | 3.45       | 4.35      | 4.65       | 3.65      | 4.50       | 3.85       | 4.35      | 4.10      | 4.10      |
| 30.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 2.85      | 3.55       | 4.10      | 2.90       | 3.75      | 4.05       | 3.05      | 3.90       | 3.30       | 3.75      | 3.50      | 3.55      |
| 32.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           | 2.40       | 3.30      | 3.55       | 2.55      | 3.40       | 2.75       | 3.30      | 3.00      | 3.05      |
| 34.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           | 1.95       | 2.85      | 3.15       | 2.15      | 2.95       | 2.35       | 2.85      | 2.60      | 2.60      |
| 36.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            | 1.75      | 2.60       | 1.95       | 2.45      | 2.20      | 2.25      |
| 38.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            | 1.45      | 2.25       | 1.65       | 2.10      | 1.85      | 1.90      |
| 40.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            | 1.35       | 1.80      | 1.55      | 1.60      |
| 42.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            | 1.00       | 1.55      | 1.30      | 1.35      |
| 44.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           | 1.05      | 1.10      |
| 46.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           | 0.80      |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30      | 19.90     | 21.60     | 23.40     | 18.30      | 19.50     | 22.20     | 17.80      | 18.80     | 20.50     | 17.80      | 18.30     | 18.30      | 17.30     | 17.60      | 16.30     | 15.00      | 16.00     | 13.00      | 13.00      | 11.00     | 10.40     | 9.00      |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —          | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —          | —         | —          | —         | —          | —         | —          | —          | —         | —         | —         |
| Telescoping conditions (%)                |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           |           |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0          | 92        | 46        | 0         | 0          | 92        | 0         | 0          | 92        | 46        | 0          | 92        | 46         | 0         | 92         | 46        | 0          | 92        | 0          | 92         | 46        | 92        | 100       |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0          | 46        | 46        | 0         | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46         | 0         | 92         | 46        | 46         | 92        | 92         | 92         | 92        | 92        | 100       |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 46         | 46        | 46         | 92        | 46         | 46        | 92         | 92        | 92         | 92         | 92        | 92        | 100       |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0          | 0         | 0         | 46        | 46         | 0         | 46        | 92         | 46        | 46        | 92         | 46        | 46         | 92        | 46         | 92        | 92         | 46        | 92         | 92         | 92        | 92        | 100       |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92         | 0         | 0         | 46        | 92         | 0         | 46        | 92         | 0         | 46        | 92         | 46        | 92         | 92        | 46         | 92        | 92         | 46        | 92         | 46         | 92        | 92        | 100       |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton  | for 37ton | for 37ton | for 37ton |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg      | 400kg     | 400kg     | 400kg     |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6          | 9         | 9         | 7         | 6          | 8         | 7         | 5          | 6         | 6         | 5          | 5         | 5          | 4         | 4          | 4         | 3          | 3         | 3          | 3          | 2         | 2         | 2         |

(Unit: Metric ton)

S

A

B

C

D

E

F

With SL jib

Without SL jib

**Specification A1**

Outriggers fully extended (7.2m) 360° full range,  
with 25.8ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11        | 2          | 1         | 12        | 2          | 1         | 2         | 3          | 1         | 5         | 4          | 1         | 6         | 1          | 7         | 1          | 1         | 8          |            |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12        | 13         | 14        | 15        | 16         | 17        | 18        | 19         | 20        | 21        | 22         | 23        | 24        | 25         | 26        | 27         | 28        | 29         |            |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 55.00      | 55.00      | 33.30      | 54.10     | 50.00     | 35.00     | 23.70     | 46.00      | 46.00     | 35.00     | 26.30     | 41.00     | 35.00      | 25.30     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 53.90      | 54.40      | 31.50      | 50.40     | 50.00     | 35.00     | 22.20     | 45.20      | 46.00     | 35.00     | 24.80     | 40.40     | 35.00      | 23.60     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 46.20      | 46.30      | 28.60      | 44.30     | 47.20     | 32.30     | 19.80     | 39.90      | 46.00     | 35.00     | 22.30     | 35.70     | 35.00      | 20.90     | 31.50     | 30.00      | 22.50     |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 40.60      | 40.20      | 26.20      | 39.50     | 40.90     | 29.80     | 17.80     | 35.40      | 41.70     | 32.60     | 20.20     | 31.80     | 34.80      | 18.70     | 29.60     | 30.00      | 20.30     | 25.00     | 21.00      | 18.00     |           |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 36.60      | 35.40      | 24.20      | 35.20     | 35.90     | 27.70     | 16.20     | 31.70      | 36.70     | 30.40     | 18.50     | 28.70     | 32.70      | 16.90     | 26.60     | 30.00      | 18.40     | 25.00     | 21.00      | 17.00     | 20.00     | 16.30      | 15.00     | 16.00     | 13.00      |           |            |           |            |            |
| 9.0                                       | 25.30      | 31.65      | 22.60      | 31.30     | 31.90     | 25.90     | 14.80     | 28.70      | 32.45     | 28.10     | 17.10     | 26.10     | 30.80      | 15.40     | 24.20     | 30.00      | 16.80     | 22.90     | 21.00      | 15.40     | 20.00     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      |           |            |            |
| 10.0                                      |            | 27.35      | 21.20      | 27.20     | 27.85     | 24.40     | 13.70     | 26.20      | 28.55     | 25.90     | 15.90     | 23.90     | 29.00      | 14.20     | 22.10     | 29.70      | 15.40     | 21.00     | 20.60      | 14.10     | 19.70     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     |            |            |
| 11.0                                      |            | 23.10      | 20.10      | 23.00     | 23.65     | 23.10     | 12.70     | 23.40      | 24.30     | 24.00     | 14.80     | 22.00     | 25.95      | 13.10     | 20.40     | 25.65      | 14.20     | 19.30     | 19.40      | 13.00     | 18.10     | 16.30      | 14.10     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| 12.0                                      |            | 19.85      | 19.20      | 19.75     | 20.35     | 21.90     | 11.80     | 20.15      | 20.95     | 22.40     | 13.90     | 20.40     | 22.60      | 12.20     | 18.80     | 22.30      | 13.10     | 17.80     | 18.30      | 12.00     | 16.70     | 15.60      | 13.10     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| 14.0                                      |            |            |            | 15.00     | 15.60     | 17.50     | 10.50     | 15.40      | 16.20     | 17.80     | 12.40     | 15.95     | 17.70      | 10.60     | 16.30     | 17.40      | 11.40     | 15.50     | 16.50      | 10.40     | 14.40     | 13.80      | 11.50     | 13.80     | 12.30      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| 16.0                                      |            |            |            | 11.70     | 12.30     | 14.15     | 9.50      | 12.15      | 12.90     | 14.40     | 11.20     | 12.65     | 14.35      | 9.40      | 13.20     | 14.05      | 10.10     | 13.60     | 14.55      | 9.20      | 12.60     | 12.30      | 10.10     | 12.10     | 10.90      | 11.70     | 11.00      | 10.40     | 9.00       |            |
| 18.0                                      |            |            |            |           |           |           |           | 9.75       | 10.50     | 11.95     | 10.10     | 10.25     | 11.90      | 8.50      | 10.80     | 11.60      | 9.00      | 11.35     | 12.10      | 8.20      | 11.20     | 11.10      | 9.10      | 10.70     | 9.70       | 10.30     | 10.50      | 10.20     | 9.00       |            |
| 20.0                                      |            |            |            |           |           |           |           | 7.90       | 8.40      | 9.60      | 9.30      | 8.40      | 10.00      | 7.70      | 8.90      | 9.75       | 8.10      | 9.45      | 10.20      | 7.30      | 9.45      | 10.10      | 8.20      | 9.50      | 8.70       | 9.20      | 9.50       | 9.10      | 8.30       |            |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           | 6.95      | 8.55       | 7.00      | 7.45      | 8.30       | 7.40      | 7.95      | 8.70       | 6.60      | 8.00      | 8.95       | 7.40      | 8.15      | 7.80       | 8.20      | 8.60       | 8.20      | 7.60       |            |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 6.30      | 7.10       | 6.80      | 6.80      | 7.50       | 6.00      | 6.85      | 7.75       | 6.80      | 6.95      | 7.10       | 7.20      | 7.75       | 7.40      | 6.90       |            |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 5.30      | 6.10       | 6.30      | 5.85      | 6.50       | 5.50      | 5.85      | 6.75       | 6.30      | 6.00      | 6.50       | 6.20      | 6.75       | 6.50      | 6.20       |            |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           | 5.00      | 5.70       | 5.10      | 5.00      | 5.90       | 5.80      | 5.20      | 6.00       | 5.40      | 5.90       | 5.70      | 5.70       |            |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           | 4.30      | 5.00       | 4.80      | 4.30      | 5.20       | 5.40      | 4.45      | 5.30       | 4.70      | 5.20       | 4.95      | 5.00       |            |
| 32.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           | 3.70      | 4.60       | 4.90      | 3.85      | 4.70       | 4.05      | 4.60       | 4.35      | 4.35       |            |
| 34.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           | 3.15      | 4.05       | 4.35      | 3.30      | 4.15       | 3.55      | 4.05       | 3.80      | 3.85       |            |
| 36.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           | 2.85      | 3.70       | 3.05      | 3.60       | 3.35      | 3.35       |            |
| 38.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           | 2.45      | 3.30       | 2.70      | 3.20       | 2.95      | 2.95       |            |
| 40.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 2.30      | 2.80       | 2.55      | 2.60       |            |
| 42.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 1.95      | 2.50       | 2.25      | 2.25       |            |
| 44.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            | 1.95      | 2.00       |            |
| 46.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           | 1.70       |            |
| 48.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           | 1.45       |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50     | 22.20      | 17.80     | 18.80     | 20.50      | 17.80     | 18.30     | 18.30      | 17.30     | 17.60     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | —          | —         | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —          | —         | —          |            |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92        | 0          | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 0          | 92        | 46         | 92        | 100        |            |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46        | 46         | 0         | 46        | 46         | 46        | 46        | 46         | 92        | 46        | 46         | 92        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0         | 46         | 92        | 46        | 46         | 92        | 46        | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 92         | 92        | 100        |            |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0         | 46         | 92        | 0         | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 46        | 92         | 46        | 92         | 92        | 100        |            |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      |            |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8         | 7          | 5         | 6         | 6          | 5         | 5         | 4          | 4         | 4         | 3          | 3         | 3         | 3          | 3         | 2          | 2         | 2          |            |

(Unit: Metric ton)



## Specification A2

Outriggers intermediately extended (6.0m) over side,  
with 25.8ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1          | 10        | 11        | 2         | 1          | 11        | 2         | 1          | 12        | 2         | 1          | 2         | 3         | 1          | 5         | 4         | 1          | 6         | 1          | 7         | 1          | 1          | 8    |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7          | 8         | 9         | 10        | 11         | 12        | 13        | 14         | 15        | 16        | 17         | 18        | 19        | 20         | 21        | 22        | 23         | 24        | 25         | 26        | 27         | 28         | 29   |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |      |
| 2.5                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 3.0                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30      |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40      | 46.00     | 46.00     | 35.00     | 28.00      |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 4.5                                       | 55.00      | 55.00      | 33.30      | 54.10     | 50.00     | 35.00     | 23.70      | 46.00     | 46.00     | 35.00     | 26.30      | 41.00     | 35.00     | 25.30      |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 5.0                                       | 53.90      | 54.40      | 31.50      | 50.40     | 50.00     | 35.00     | 22.20      | 45.20     | 46.00     | 35.00     | 24.80      | 40.40     | 35.00     | 23.60      |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 6.0                                       | 46.20      | 46.30      | 28.60      | 44.30     | 47.20     | 32.30     | 19.80      | 39.90     | 46.00     | 35.00     | 22.30      | 35.70     | 35.00     | 20.90      | 31.50     | 30.00     | 22.50      |           |           |            |           |           |            |           |            |           |            |            |      |
| 7.0                                       | 40.60      | 40.20      | 26.20      | 39.50     | 40.90     | 29.80     | 17.80      | 35.40     | 41.70     | 32.60     | 20.20      | 31.80     | 34.80     | 18.70      | 29.60     | 30.00     | 20.30      | 25.00     | 21.00     | 18.00      |           |           |            |           |            |           |            |            |      |
| 8.0                                       | 32.10      | 31.85      | 24.20      | 31.65     | 32.35     | 27.70     | 16.20      | 31.70     | 33.10     | 30.40     | 18.50      | 28.70     | 32.70     | 16.90      | 26.60     | 30.00     | 18.40      | 25.00     | 21.00     | 17.00      | 20.00     | 16.30     | 15.00      | 16.00     | 13.00      |           |            |            |      |
| 9.0                                       | 25.30      | 26.00      | 22.60      | 25.80     | 26.45     | 25.90     | 14.80      | 26.25     | 27.15     | 28.10     | 17.10      | 26.10     | 28.85     | 15.40      | 24.20     | 28.50     | 16.80      | 22.90     | 21.00     | 15.40      | 20.00     | 16.30     | 15.00      | 16.00     | 13.00      | 13.00     | 11.00      |            |      |
| 10.0                                      |            | 21.65      | 21.20      | 21.50     | 22.15     | 24.20     | 13.70      | 21.95     | 22.80     | 24.50     | 15.90      | 22.50     | 24.40     | 14.20      | 22.10     | 24.10     | 15.40      | 21.00     | 20.60     | 14.10      | 19.70     | 16.30     | 15.00      | 16.00     | 13.00      | 13.00     | 11.00      | 10.40      |      |
| 11.0                                      |            | 18.40      | 20.00      | 18.25     | 18.85     | 20.80     | 12.70      | 18.65     | 19.45     | 21.10     | 14.80      | 19.20     | 21.05     | 13.10      | 19.80     | 20.75     | 14.20      | 19.30     | 19.40     | 13.00      | 18.10     | 16.30     | 14.10      | 16.00     | 13.00      | 13.00     | 11.00      | 10.40      | 9.00 |
| 12.0                                      |            | 15.80      | 17.35      | 15.70     | 16.30     | 18.15     | 11.80      | 16.10     | 16.85     | 18.45     | 13.90      | 16.60     | 18.40     | 12.20      | 17.20     | 18.10     | 13.10      | 17.80     | 18.30     | 12.00      | 16.70     | 15.60     | 13.10      | 16.00     | 13.00      | 13.00     | 11.00      | 10.40      | 9.00 |
| 14.0                                      |            |            |            | 11.85     | 12.45     | 14.25     | 10.50      | 12.30     | 13.00     | 14.55     | 12.40      | 12.80     | 14.45     | 10.60      | 13.35     | 14.20     | 11.40      | 13.90     | 14.65     | 10.40      | 13.90     | 13.80     | 11.50      | 13.80     | 12.30      | 13.00     | 11.00      | 10.40      | 9.00 |
| 16.0                                      |            |            |            | 9.20      | 9.75      | 11.50     | 9.50       | 9.60      | 10.30     | 11.75     | 11.20      | 10.10     | 11.75     | 9.40       | 10.60     | 11.45     | 10.10      | 11.15     | 11.90     | 9.20       | 11.15     | 12.10     | 10.10      | 11.35     | 10.90      | 11.60     | 11.00      | 10.40      | 9.00 |
| 18.0                                      |            |            |            |           |           |           |            | 7.60      | 8.30      | 9.75      | 10.10      | 8.10      | 9.70      | 8.50       | 8.60      | 9.40      | 9.00       | 9.15      | 9.85      | 8.20       | 9.15      | 10.10     | 9.10       | 9.30      | 9.70       | 9.55      | 10.10      | 9.80       | 9.00 |
| 20.0                                      |            |            |            |           |           |           |            | 6.05      | 6.75      | 8.15      | 8.55       | 6.55      | 8.10      | 7.70       | 7.05      | 7.85      | 8.10       | 7.55      | 8.30      | 7.30       | 7.60      | 8.55      | 8.20       | 7.75      | 8.65       | 8.00      | 8.50       | 8.30       | 8.30 |
| 22.0                                      |            |            |            |           |           |           |            |           |           |           |            | 5.30      | 6.85      | 7.00       | 5.85      | 6.65      | 7.40       | 6.35      | 7.05      | 6.60       | 6.35      | 7.25      | 7.40       | 6.50      | 7.40       | 6.75      | 7.30       | 7.00       | 7.05 |
| 24.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            | 4.85      | 5.65      | 6.60       | 5.30      | 6.00      | 6.00       | 5.35      | 6.25      | 6.55       | 5.50      | 6.40       | 5.75      | 6.25       | 6.00       | 6.00 |
| 26.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            | 4.00      | 4.80      | 5.75       | 4.50      | 5.15      | 5.50       | 4.55      | 5.40      | 5.70       | 4.65      | 5.55       | 4.90      | 5.40       | 5.15       | 5.20 |
| 28.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 3.80      | 4.45      | 5.00       | 3.85      | 4.65      | 4.95       | 3.95      | 4.85       | 4.20      | 4.70       | 4.45       | 4.45 |
| 30.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 3.20      | 3.90      | 4.35       | 3.20      | 4.05      | 4.35       | 3.35      | 4.20       | 3.60      | 4.10       | 3.85       | 3.85 |
| 32.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            | 2.70      | 3.55      | 3.85       | 2.85      | 3.70       | 3.05      | 3.55       | 3.30       | 3.35 |
| 34.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            | 2.25      | 3.10      | 3.40       | 2.40      | 3.25       | 2.60      | 3.10       | 2.85       | 2.90 |
| 36.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 2.00      | 2.80       | 2.20      | 2.70       | 2.45       | 2.50 |
| 38.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 1.60      | 2.45       | 1.85      | 2.35       | 2.10       | 2.15 |
| 40.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            | 1.50      | 2.00       | 1.80       | 1.80 |
| 42.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            | 1.25      | 1.75       | 1.50       | 1.50 |
| 44.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            | 1.25       | 1.25 |
| 46.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            | 1.05 |
| 48.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            | 0.80 |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30      | 19.90     | 21.60     | 23.40     | 18.30      | 19.50     | 22.20     | 17.80      | 18.80     | 20.50     | 17.80      | 18.30     | 18.30     | 17.30      | 17.60     | 16.30     | 15.00      | 16.00     | 13.00      | 13.00     | 11.00      | 10.40      | 9.00 |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —          | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —          | —         | —          | —          | —    |
| Telescoping conditions (%)                |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0          | 92        | 46        | 0         | 0          | 92        | 0         | 0          | 92        | 46        | 0          | 92        | 46        | 0          | 92        | 46        | 0          | 92        | 0          | 92        | 46         | 92         | 100  |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0          | 46        | 46        | 0         | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 92        | 46        | 46         | 92        | 92         | 92        | 92         | 92         | 100  |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 46         | 46        | 46        | 92         | 46        | 46        | 92         | 92        | 92         | 92        | 92         | 92         | 100  |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0          | 0         | 0         | 46        | 46         | 0         | 46        | 92         | 46        | 46        | 92         | 46        | 46        | 92         | 46        | 92        | 92         | 46        | 92         | 92        | 92         | 92         | 100  |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92         | 0         | 0         | 46        | 92         | 0         | 46        | 92         | 0         | 46        | 92         | 46        | 92        | 92         | 46        | 92        | 92         | 46        | 92         | 46        | 92         | 92         | 100  |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton  |      |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg      |      |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6          | 9         | 9         | 7         | 6          | 8         | 7         | 5          | 6         | 6         | 5          | 5         | 4         | 4          | 4         | 3         | 3          | 3         | 3          | 3         | 2          | 2          | 2    |

(Unit: Metric ton)

S

A

B

C

D

E

F

With SL jib

Without SL jib

**Specification A3**

Outriggers intermediately extended (5.0m) over side,  
with 25.8ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11         | 2         | 1         | 12         | 2         | 1         | 2          | 3         | 1         | 5          | 4         | 1         | 6          | 1         | 7          | 1         | 1          | 8          |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12         | 13        | 14        | 15         | 16        | 17        | 18         | 19        | 20        | 21         | 22        | 23        | 24         | 25        | 26         | 27        | 28         | 29         |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 55.00      | 55.00      | 33.30      | 54.10     | 50.00     | 35.00     | 23.70     | 46.00      | 46.00     | 35.00     | 26.30     | 41.00      | 35.00     | 25.30     |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 53.90      | 54.40      | 31.50      | 50.40     | 50.00     | 35.00     | 22.20     | 45.20      | 46.00     | 35.00     | 24.80     | 40.40      | 35.00     | 23.60     |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 42.10      | 41.80      | 28.60      | 41.65     | 42.40     | 32.30     | 19.80     | 39.90      | 43.15     | 35.00     | 22.30     | 35.70      | 35.00     | 20.90     | 31.50      | 30.00     | 22.50     |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 32.25      | 31.95      | 26.20      | 31.85     | 32.50     | 29.80     | 17.80     | 32.30      | 33.20     | 32.60     | 20.20     | 31.80      | 34.80     | 18.70     | 29.60      | 30.00     | 20.30     | 25.00      | 21.00     | 18.00     |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 25.75      | 25.50      | 24.20      | 25.35     | 26.00     | 27.70     | 16.20     | 25.80      | 26.65     | 28.40     | 18.50     | 26.40      | 28.35     | 16.90     | 26.60      | 28.00     | 18.40     | 25.00      | 21.00     | 17.00     | 20.00      | 16.30     | 15.00     | 16.00      | 13.00     |            |           |            |            |
| 9.0                                       | 21.10      | 20.95      | 22.60      | 20.80     | 21.40     | 23.40     | 14.80     | 21.20      | 22.00     | 23.65     | 17.10     | 21.75      | 23.65     | 15.40     | 22.40      | 23.35     | 16.80     | 22.90      | 21.00     | 15.40     | 20.00      | 16.30     | 15.00     | 16.00      | 13.00     | 13.00      | 11.00     |            |            |
| 10.0                                      |            | 17.50      | 19.10      | 17.40     | 18.00     | 19.85     | 13.70     | 17.80      | 18.55     | 20.15     | 15.90     | 18.35      | 20.10     | 14.20     | 18.90      | 19.85     | 15.40     | 19.50      | 20.30     | 14.10     | 19.50      | 16.30     | 15.00     | 16.00      | 13.00     | 13.00      | 11.00     | 10.40      |            |
| 11.0                                      |            | 14.85      | 16.40      | 14.75     | 15.35     | 17.15     | 12.70     | 15.15      | 15.90     | 17.40     | 14.80     | 15.65      | 17.40     | 13.10     | 16.20      | 17.10     | 14.20     | 16.75      | 17.55     | 13.00     | 16.80      | 16.30     | 14.10     | 16.00      | 13.00     | 13.00      | 11.00     | 10.40      | 9.00       |
| 12.0                                      |            | 12.75      | 14.25      | 12.65     | 13.20     | 15.00     | 11.80     | 13.00      | 13.75     | 15.25     | 13.90     | 13.50      | 15.20     | 12.20     | 14.05      | 14.95     | 13.10     | 14.65      | 15.40     | 12.00     | 14.65      | 15.60     | 13.10     | 14.80      | 13.00     | 13.00      | 11.00     | 10.40      | 9.00       |
| 14.0                                      |            |            |            | 9.50      | 10.00     | 11.75     | 10.50     | 9.85       | 10.60     | 12.05     | 12.40     | 10.35      | 11.95     | 10.60     | 10.85      | 11.70     | 11.40     | 11.40      | 12.15     | 10.40     | 11.45      | 12.40     | 11.50     | 11.60      | 12.30     | 11.85      | 11.00     | 10.40      | 9.00       |
| 16.0                                      |            |            |            | 7.20      | 7.80      | 9.45      | 9.50      | 7.60       | 8.30      | 9.75      | 10.10     | 8.10       | 9.65      | 9.40      | 8.60       | 9.40      | 10.10     | 9.15       | 9.85      | 9.20      | 9.15       | 10.10     | 10.10     | 9.30       | 10.25     | 9.55       | 10.10     | 9.80       | 9.00       |
| 18.0                                      |            |            |            |           |           |           |           | 5.90       | 6.60      | 8.00      | 8.40      | 6.40       | 7.95      | 8.50      | 6.90       | 7.70      | 8.65      | 7.40       | 8.15      | 8.20      | 7.45       | 8.35      | 8.65      | 7.60       | 8.50      | 7.85       | 8.35      | 8.10       | 8.15       |
| 20.0                                      |            |            |            |           |           |           |           | 4.60       | 5.30      | 6.65      | 7.05      | 5.05       | 6.65      | 7.20      | 5.60       | 6.35      | 7.35      | 6.10       | 6.80      | 7.30      | 6.10       | 7.00      | 7.30      | 6.25       | 7.15      | 6.50       | 7.00      | 6.75       | 6.80       |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           | 4.00       | 5.55      | 6.15      | 4.50       | 5.30      | 6.30      | 5.05       | 5.75      | 6.25      | 5.05       | 5.95      | 6.25      | 5.20       | 6.10      | 5.40       | 5.95      | 5.70       | 5.75       |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           | 3.65       | 4.40      | 5.45      | 4.15       | 4.85      | 5.35      | 4.15       | 5.05      | 5.35      | 4.35       | 5.20      | 4.55       | 5.05      | 4.85       | 4.85       |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           | 2.95       | 3.70      | 4.70      | 3.45       | 4.10      | 4.65      | 3.45       | 4.35      | 4.65      | 3.60       | 4.45      | 3.80       | 4.30      | 4.10       | 4.10       |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           | 2.80       | 3.50      | 4.05      | 2.85       | 3.70      | 4.00      | 3.00       | 3.85      | 3.20       | 3.70      | 3.50       | 3.50       |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           | 2.30       | 2.95      | 3.50      | 2.30       | 3.20      | 3.50      | 2.50       | 3.30      | 2.70       | 3.20      | 2.95       | 3.00       |
| 32.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           | 1.85       | 2.70      | 3.00      | 2.05       | 2.85      | 2.25       | 2.70      | 2.50       | 2.55       |
| 34.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           | 1.50       | 2.30      | 2.60      | 1.60       | 2.45      | 1.85       | 2.30      | 2.10       | 2.15       |
| 36.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           | 1.30       | 2.10      | 1.50       | 1.95      | 1.75       | 1.80       |
| 38.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           | 0.95       | 1.80      | 1.15       | 1.65      | 1.40       | 1.45       |
| 40.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 0.80      | 1.40       | 1.15      | 1.20       |            |
| 42.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            | 1.15      | 0.90       | 0.95       |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50      | 22.20     | 17.80     | 18.80      | 20.50     | 17.80     | 18.30      | 18.30     | 17.30     | 17.60      | 16.30     | 15.00     | 16.00      | 13.00     | 13.00      | 11.00     | 10.40      | 9.00       |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | —          | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —          | —         | —          | 27         |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92         | 0         | 0         | 92         | 46        | 0         | 92         | 46        | 0         | 92         | 46        | 0         | 92         | 0         | 92         | 46        | 92         | 100        |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46         | 46        | 0         | 46         | 46        | 0         | 46         | 46        | 0         | 92         | 46        | 46        | 92         | 92        | 92         | 92        | 92         | 100        |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46         | 46        | 0         | 46         | 46        | 46        | 46         | 46        | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 92         | 100        |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 92        | 46         | 46        | 92        | 46         | 46        | 92        | 46         | 92        | 92        | 46         | 92        | 92         | 92        | 92         | 100        |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0          | 46        | 92        | 0          | 46        | 92        | 46         | 92        | 92        | 46         | 92        | 92        | 46         | 92        | 46         | 92        | 92         | 100        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg      |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8          | 7         | 5         | 6          | 6         | 5         | 5          | 4         | 4         | 4          | 3         | 3         | 3          | 3         | 3          | 2         | 2          | 2          |

(Unit: Metric ton)



## Specification A4

Outriggers intermediately extended (4.2m) over side,  
with 25.8ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11         | 2         | 1         | 12         | 2         | 1         | 2          | 3         | 1         | 5          | 4         | 1         | 6          | 1         | 7          | 1         | 1          | 8          |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12         | 13        | 14        | 15         | 16        | 17        | 18         | 19        | 20        | 21         | 22        | 23        | 24         | 25        | 26         | 27        | 28         | 29         |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 55.00      | 55.00      | 33.30      | 54.10     | 50.00     | 35.00     | 23.70     | 46.00      | 46.00     | 35.00     | 26.30     | 41.00      | 35.00     | 25.30     |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 46.70      | 46.40      | 31.50      | 46.20     | 47.00     | 35.00     | 22.20     | 45.20      | 46.00     | 35.00     | 24.80     | 40.40      | 35.00     | 23.60     |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 34.20      | 33.95      | 28.60      | 33.75     | 34.45     | 32.30     | 19.80     | 34.25      | 35.15     | 35.00     | 22.30     | 34.85      | 35.00     | 20.90     | 31.50      | 30.00     | 22.50     |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 26.55      | 26.30      | 26.20      | 26.10     | 26.75     | 28.85     | 17.80     | 26.55      | 27.40     | 29.15     | 20.20     | 27.15      | 29.10     | 18.70     | 27.80      | 28.80     | 20.30     | 25.00      | 21.00     | 18.00     |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 21.30      | 21.10      | 22.70      | 20.95     | 21.60     | 23.45     | 16.20     | 21.35      | 22.15     | 23.80     | 18.50     | 21.90      | 23.60     | 16.90     | 22.50      | 23.45     | 18.40     | 23.15      | 21.00     | 17.00     | 20.00      | 16.30     | 15.00     | 16.00      | 13.00     |            |           |            |            |
| 9.0                                       | 17.50      | 17.35      | 18.85      | 17.20     | 17.75     | 19.55     | 14.80     | 17.55      | 18.25     | 19.90     | 17.10     | 18.05      | 19.65     | 15.40     | 18.65      | 19.60     | 16.80     | 19.25      | 20.00     | 15.40     | 19.30      | 16.30     | 15.00     | 16.00      | 13.00     | 13.00      | 11.00     |            |            |
| 10.0                                      |            | 14.50      | 15.95      | 14.35     | 14.90     | 16.60     | 13.70     | 14.70      | 15.40     | 16.90     | 15.90     | 15.15      | 16.75     | 14.20     | 15.75      | 16.75     | 15.40     | 16.30      | 17.05     | 14.10     | 16.35      | 16.30     | 15.00     | 16.00      | 13.00     | 13.00      | 11.00     | 10.40      |            |
| 11.0                                      |            | 12.30      | 13.70      | 12.15     | 12.65     | 14.35     | 12.70     | 12.50      | 13.15     | 14.65     | 14.80     | 12.90      | 14.45     | 13.10     | 13.50      | 14.45     | 14.20     | 14.00      | 14.75     | 13.00     | 14.10      | 15.00     | 14.10     | 14.30      | 13.00     | 13.00      | 11.00     | 10.40      |            |
| 12.0                                      |            | 10.50      | 11.90      | 10.35     | 10.90     | 12.50     | 11.80     | 10.70      | 11.35     | 12.80     | 13.10     | 11.15      | 12.65     | 12.20     | 11.70      | 12.60     | 13.10     | 12.20      | 12.90     | 12.00     | 12.25      | 13.15     | 13.10     | 12.50      | 13.00     | 12.70      | 11.00     | 10.40      |            |
| 14.0                                      |            |            |            | 7.70      | 8.25      | 9.80      | 9.85      | 8.05       | 8.70      | 10.05     | 10.35     | 8.45       | 9.90      | 10.50     | 8.95       | 9.85      | 10.65     | 9.45       | 10.15     | 10.40     | 9.50       | 10.40     | 10.70     | 9.75       | 10.50     | 9.95       | 10.45     | 10.25      |            |
| 16.0                                      |            |            |            | 5.70      | 6.25      | 7.90      | 7.90      | 6.15       | 6.80      | 8.10      | 8.40      | 6.55       | 7.95      | 8.55      | 7.05       | 7.85      | 8.70      | 7.50       | 8.20      | 8.65      | 7.55       | 8.45      | 8.70      | 7.75       | 8.55      | 7.95       | 8.50      | 8.25       |            |
| 18.0                                      |            |            |            |           |           |           |           | 4.65       | 5.35      | 6.65      | 6.95      | 5.15       | 6.50      | 7.05      | 5.60       | 6.40      | 7.20      | 6.05       | 6.75      | 7.20      | 6.10       | 6.95      | 7.20      | 6.25       | 7.05      | 6.50       | 7.00      | 6.75       |            |
| 20.0                                      |            |            |            |           |           |           |           | 3.50       | 4.15      | 5.50      | 5.85      | 3.95       | 5.40      | 5.95      | 4.45       | 5.25      | 6.10      | 4.95       | 5.60      | 6.05      | 5.00       | 5.80      | 6.05      | 5.10       | 5.90      | 5.35       | 5.85      | 5.60       |            |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           | 3.05       | 4.50      | 5.05      | 3.55       | 4.30      | 5.20      | 4.05       | 4.70      | 5.15      | 4.05       | 4.90      | 5.15      | 4.15       | 5.00      | 4.40       | 4.90      |            |            |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           | 2.75       | 3.55      | 4.45      | 3.25       | 3.95      | 4.40      | 3.30       | 4.15      | 4.40      | 3.40       | 4.25      | 3.65       | 4.15      |            |            |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           | 2.15       | 2.90      | 3.85      | 2.60       | 3.30      | 3.75      | 2.65       | 3.50      | 3.75      | 2.75       | 3.60      | 3.00       | 3.50      |            |            |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           | 2.05       | 2.75      | 3.25      | 2.10       | 2.95      | 3.25      | 2.25       | 3.10      | 2.45       | 2.95      |            |            |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           | 1.65       | 2.30      | 2.80      | 1.65       | 2.50      | 2.80      | 1.75       | 2.60      | 2.00       | 2.50      |            |            |
| 32.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           | 1.15       | 2.10      | 2.40      | 1.40       | 2.20      | 1.60       | 2.10      |            |            |
| 34.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            | 1.70      | 2.00      | 1.00       | 1.85      | 1.20       | 1.70      |            |            |
| 36.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 1.55      | 0.80       | 1.40      |            |            |
| 38.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 1.25      |            | 1.10      |            |            |
| 40.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           | 0.80       |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50      | 22.20     | 17.80     | 18.80      | 20.50     | 17.80     | 18.30      | 18.30     | 17.30     | 17.60      | 16.30     | 15.00     | 16.00      | 13.00     | 13.00      | 11.00     | 10.40      |            |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | —          | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | 22        | —          | 29        | —          | 31        |            |            |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92         | 0         | 0         | 92         | 46        | 0         | 92         | 46        | 0         | 92         | 46        | 0         | 92         | 0         | 92         | 46        | 92         |            |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46         | 46        | 0         | 46         | 46        | 0         | 46         | 46        | 0         | 92         | 46        | 46        | 92         | 92        | 92         | 92        | 92         |            |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46         | 46        | 0         | 46         | 46        | 46        | 46         | 46        | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 92         |            |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 92        | 46         | 46        | 92        | 46         | 46        | 92        | 46         | 92        | 92        | 46         | 92        | 92         | 92        | 92         |            |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0          | 46        | 92        | 0          | 46        | 92        | 46         | 92        | 92        | 46         | 92        | 92        | 46         | 92        | 46         | 92        | 92         |            |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton |            |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      |            |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8          | 7         | 5         | 6          | 6         | 5         | 5          | 4         | 4         | 4          | 3         | 3         | 3          | 3         | 3          | 2         | 2          |            |

(Unit: Metric ton)

**Specification B1**

Outriggers fully extended (7.2m) 360° full range,  
with 21.8ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11        | 2          | 1         | 12        | 2          | 1         | 2         | 3          | 1         | 5         | 4          | 1         | 6         | 1          | 7         | 1          | 1         | 8          |            |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12        | 13         | 14        | 15        | 16         | 17        | 18        | 19         | 20        | 21        | 22         | 23        | 24        | 25         | 26        | 27         | 28        | 29         |            |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 55.00      | 55.00      | 33.30      | 54.10     | 50.00     | 35.00     | 23.70     | 46.00      | 46.00     | 35.00     | 26.30     | 41.00     | 35.00      | 25.30     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 53.90      | 54.40      | 31.50      | 50.40     | 50.00     | 35.00     | 22.20     | 45.20      | 46.00     | 35.00     | 24.80     | 40.40     | 35.00      | 23.60     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 46.20      | 46.30      | 28.60      | 44.30     | 47.20     | 32.30     | 19.80     | 39.90      | 46.00     | 35.00     | 22.30     | 35.70     | 35.00      | 20.90     | 31.50     | 30.00      | 22.50     |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 40.60      | 40.20      | 26.20      | 39.50     | 40.90     | 29.80     | 17.80     | 35.40      | 41.70     | 32.60     | 20.20     | 31.80     | 34.80      | 18.70     | 29.60     | 30.00      | 20.30     | 25.00     | 21.00      | 18.00     |           |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 35.45      | 35.30      | 24.20      | 35.10     | 35.60     | 27.70     | 16.20     | 31.70      | 36.10     | 30.40     | 18.50     | 28.70     | 32.70      | 16.90     | 26.60     | 30.00      | 18.40     | 25.00     | 21.00      | 17.00     | 20.00     | 16.30      | 15.00     | 16.00     | 13.00      |           |            |           |            |            |
| 9.0                                       | 25.30      | 29.90      | 22.60      | 29.75     | 30.45     | 25.90     | 14.80     | 28.70      | 31.20     | 28.10     | 17.10     | 26.10     | 30.80      | 15.40     | 24.20     | 30.00      | 16.80     | 22.90     | 21.00      | 15.40     | 20.00     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      |           |            |            |
| 10.0                                      |            | 24.70      | 21.20      | 24.55     | 25.25     | 24.40     | 13.70     | 25.00      | 25.95     | 25.90     | 15.90     | 23.90     | 27.65      | 14.20     | 22.10     | 27.35      | 15.40     | 21.00     | 20.60      | 14.10     | 19.70     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     |            |            |
| 11.0                                      |            | 20.85      | 20.10      | 20.70     | 21.35     | 23.10     | 12.70     | 21.15      | 22.00     | 23.70     | 14.80     | 21.75     | 23.65      | 13.10     | 20.40     | 23.35      | 14.20     | 19.30     | 19.40      | 13.00     | 18.10     | 16.30      | 14.10     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| 12.0                                      |            | 17.80      | 19.20      | 17.70     | 18.30     | 20.35     | 11.80     | 18.10      | 18.95     | 20.60     | 13.90     | 18.70     | 20.55      | 12.20     | 18.80     | 20.25      | 13.10     | 17.80     | 18.30      | 12.00     | 16.70     | 15.60      | 13.10     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| 14.0                                      |            |            |            | 13.35     | 13.95     | 15.85     | 10.50     | 13.75      | 14.55     | 16.10     | 12.40     | 14.30     | 16.05      | 10.60     | 14.85     | 15.80      | 11.40     | 15.45     | 16.25      | 10.40     | 14.40     | 13.80      | 11.50     | 13.80     | 12.30      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| 16.0                                      |            |            |            | 10.35     | 10.90     | 12.75     | 9.50      | 10.75      | 11.50     | 13.00     | 11.20     | 11.25     | 12.95      | 9.40      | 11.80     | 12.70      | 10.10     | 12.40     | 13.10      | 9.20      | 12.40     | 12.30      | 10.10     | 12.10     | 10.90      | 11.70     | 11.00      | 10.40     | 9.00       |            |
| 18.0                                      |            |            |            |           |           |           |           | 8.50       | 9.25      | 10.70     | 10.10     | 9.05      | 10.70      | 8.50      | 9.55      | 10.45      | 9.00      | 10.10     | 10.85      | 8.20      | 10.15     | 11.10      | 9.10      | 10.30     | 9.70       | 10.30     | 10.50      | 10.20     | 9.00       |            |
| 20.0                                      |            |            |            |           |           |           |           | 6.80       | 7.55      | 8.95      | 9.30      | 7.30      | 8.95       | 7.70      | 7.85      | 8.70       | 8.10      | 8.40      | 9.10       | 7.30      | 8.40      | 9.35       | 8.20      | 8.60      | 8.70       | 8.80      | 9.35       | 9.10      | 8.30       |            |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           | 6.00      | 7.60       | 7.00      | 6.50      | 7.30       | 7.40      | 7.05      | 7.75       | 6.60      | 7.05      | 8.00       | 7.40      | 7.20      | 7.80       | 7.45      | 7.95       | 7.75      | 7.60       |            |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 5.40      | 6.20       | 6.80      | 5.90      | 6.65       | 6.00      | 5.95      | 6.85       | 6.80      | 6.10      | 7.00       | 6.35      | 6.85       | 6.65      | 6.65       |            |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 4.50      | 5.30       | 6.30      | 5.00      | 5.75       | 5.50      | 5.05      | 5.95       | 6.30      | 5.20      | 6.10       | 5.45      | 5.95       | 5.70      | 5.75       |            |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           | 4.25      | 5.00       | 5.10      | 4.30      | 5.20       | 5.50      | 4.40      | 5.30       | 4.70      | 5.20       | 4.90      | 4.95       |            |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           | 3.60      | 4.30       | 4.80      | 3.65      | 4.50       | 4.80      | 3.80      | 4.65       | 4.00      | 4.55       | 4.25      | 4.30       |            |
| 32.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           | 3.10      | 3.95       | 4.25      | 3.25      | 4.10       | 3.45      | 3.95       | 3.70      | 3.75       |            |
| 34.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           | 2.60      | 3.45       | 3.75      | 2.75      | 3.60       | 2.95      | 3.45       | 3.25      | 3.25       |            |
| 36.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           | 2.30      | 3.15       | 2.55      | 3.00       | 2.80      | 2.85       |            |
| 38.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           | 1.95      | 2.75       | 2.15      | 2.65       | 2.40      | 2.45       |            |
| 40.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 1.80      | 2.30       | 2.05      | 2.10       |            |
| 42.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 1.50      | 2.05       | 1.80      | 1.80       |            |
| 44.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            | 1.50      | 1.50       |            |
| 46.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           | 1.30       |            |
| 48.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           | 1.05       |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50     | 22.20      | 17.80     | 18.80     | 20.50      | 17.80     | 18.30     | 18.30      | 17.30     | 17.60     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | —          | —         | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —          | —         | —          |            |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92        | 0          | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 0          | 92        | 46         | 92        | 100        |            |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46        | 46         | 0         | 46        | 46         | 46        | 46        | 46         | 92        | 46        | 46         | 92        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0         | 46         | 92        | 46        | 46         | 92        | 46        | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 92         | 92        | 100        |            |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0         | 46         | 92        | 0         | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 46        | 92         | 46        | 92         | 92        | 100        |            |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      |            |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8         | 7          | 5         | 6         | 6          | 5         | 5         | 4          | 4         | 4         | 3          | 3         | 3         | 3          | 3         | 2          | 2         | 2          |            |

(Unit: Metric ton)



**Specification B2**

Outriggers intermediately extended (6.0m) over side,  
with 21.8ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1          | 10        | 11        | 2         | 1          | 11        | 2         | 1          | 12        | 2         | 1          | 2         | 3         | 1          | 5         | 4         | 1          | 6          | 1          | 7          | 1         | 1         | 8         |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7          | 8         | 9         | 10        | 11         | 12        | 13        | 14         | 15        | 16        | 17         | 18        | 19        | 20         | 21        | 22        | 23         | 24         | 25         | 26         | 27        | 28        | 29        |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom | 44.2m Boom | 47.9m Boom | 51.3m Boom |           |           |           |
| 2.5                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |            |            |            |           |           |           |
| 3.0                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |            |            |            |           |           |           |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30      |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |            |            |            |           |           |           |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40      | 46.00     | 46.00     | 35.00     | 28.00      |           |           |            |           |           |            |           |           |            |           |           |            |            |            |            |           |           |           |
| 4.5                                       | 55.00      | 55.00      | 33.30      | 54.10     | 50.00     | 35.00     | 23.70      | 46.00     | 46.00     | 35.00     | 26.30      | 41.00     | 35.00     | 25.30      |           |           |            |           |           |            |           |           |            |            |            |            |           |           |           |
| 5.0                                       | 53.90      | 54.40      | 31.50      | 50.40     | 50.00     | 35.00     | 22.20      | 45.20     | 46.00     | 35.00     | 24.80      | 40.40     | 35.00     | 23.60      |           |           |            |           |           |            |           |           |            |            |            |            |           |           |           |
| 6.0                                       | 46.20      | 46.30      | 28.60      | 44.30     | 47.20     | 32.30     | 19.80      | 39.90     | 46.00     | 35.00     | 22.30      | 35.70     | 35.00     | 20.90      | 31.50     | 30.00     | 22.50      |           |           |            |           |           |            |            |            |            |           |           |           |
| 7.0                                       | 36.90      | 36.65      | 26.20      | 36.45     | 37.20     | 29.80     | 17.80      | 35.40     | 37.95     | 32.60     | 20.20      | 31.80     | 34.80     | 18.70      | 29.60     | 30.00     | 20.30      | 25.00     | 21.00     | 18.00      |           |           |            |            |            |            |           |           |           |
| 8.0                                       | 29.00      | 28.80      | 24.20      | 28.65     | 29.35     | 27.70     | 16.20      | 29.10     | 30.05     | 30.40     | 18.50      | 28.70     | 31.85     | 16.90      | 26.60     | 30.00     | 18.40      | 25.00     | 21.00     | 17.00      | 20.00     | 16.30     | 15.00      | 16.00      | 13.00      |            |           |           |           |
| 9.0                                       | 23.60      | 23.40      | 22.60      | 23.25     | 23.90     | 25.90     | 14.80      | 23.70     | 24.55     | 26.35     | 17.10      | 24.30     | 26.25     | 15.40      | 24.20     | 25.95     | 16.80      | 22.90     | 21.00     | 15.40      | 20.00     | 16.30     | 15.00      | 16.00      | 13.00      | 13.00      | 11.00     |           |           |
| 10.0                                      |            | 19.45      | 21.10      | 19.30     | 19.95     | 21.95     | 13.70      | 19.70     | 20.55     | 22.25     | 15.90      | 20.30     | 22.20     | 14.20      | 20.90     | 21.90     | 15.40      | 21.00     | 20.60     | 14.10      | 19.70     | 16.30     | 15.00      | 16.00      | 13.00      | 13.00      | 11.00     | 10.40     |           |
| 11.0                                      |            | 16.45      | 18.00      | 16.30     | 16.90     | 18.85     | 12.70      | 16.70     | 17.50     | 19.15     | 14.80      | 17.25     | 19.10     | 13.10      | 17.85     | 18.80     | 14.20      | 18.45     | 19.30     | 13.00      | 18.10     | 16.30     | 14.10      | 16.00      | 13.00      | 13.00      | 11.00     | 10.40     | 9.00      |
| 12.0                                      |            | 14.05      | 15.60      | 13.95     | 14.55     | 16.40     | 11.80      | 14.35     | 15.10     | 16.70     | 13.90      | 14.85     | 16.65     | 12.20      | 15.40     | 16.35     | 13.10      | 16.00     | 16.85     | 12.00      | 16.05     | 15.60     | 13.10      | 16.00      | 13.00      | 13.00      | 11.00     | 10.40     | 9.00      |
| 14.0                                      |            |            |            | 10.40     | 11.00     | 12.80     | 10.50      | 10.85     | 11.60     | 13.10     | 12.40      | 11.35     | 13.00     | 10.60      | 11.90     | 12.75     | 11.40      | 12.45     | 13.20     | 10.40      | 12.45     | 13.45     | 11.50      | 12.65      | 12.30      | 12.90      | 11.00     | 10.40     | 9.00      |
| 16.0                                      |            |            |            | 7.95      | 8.50      | 10.25     | 9.50       | 8.35      | 9.05      | 10.50     | 10.95      | 8.85      | 10.50     | 9.40       | 9.40      | 10.20     | 10.10      | 9.90      | 10.65     | 9.20       | 9.95      | 10.90     | 10.10      | 10.10      | 10.90      | 10.35      | 10.90     | 10.40     | 9.00      |
| 18.0                                      |            |            |            |           |           |           |            | 6.55      | 7.20      | 8.65      | 9.05       | 7.00      | 8.60      | 8.50       | 7.55      | 8.35      | 9.00       | 8.05      | 8.80      | 8.20       | 8.10      | 9.00      | 9.10       | 8.25       | 9.15       | 8.45       | 9.00      | 8.75      | 8.80      |
| 20.0                                      |            |            |            |           |           |           |            | 5.10      | 5.80      | 7.20      | 7.60       | 5.60      | 7.15      | 7.70       | 6.10      | 6.90      | 7.95       | 6.60      | 7.35      | 7.30       | 6.65      | 7.60      | 7.90       | 6.80       | 7.70       | 7.05       | 7.55      | 7.30      | 7.35      |
| 22.0                                      |            |            |            |           |           |           |            |           |           |           |            | 4.45      | 6.05      | 6.80       | 5.00      | 5.80      | 6.75       | 5.50      | 6.20      | 6.60       | 5.50      | 6.40      | 6.70       | 5.65       | 6.55       | 5.90       | 6.40      | 6.20      | 6.20      |
| 24.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            | 4.05      | 4.85      | 5.85       | 4.55      | 5.25      | 5.75       | 4.60      | 5.50      | 5.75       | 4.70       | 5.60       | 4.95       | 5.50      | 5.20      | 5.25      |
| 26.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            | 3.30      | 4.10      | 5.05       | 3.80      | 4.50      | 5.00       | 3.80      | 4.70      | 5.00       | 3.95       | 4.85       | 4.20       | 4.70      | 4.45      | 4.45      |
| 28.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 3.15      | 3.85      | 4.35       | 3.20      | 4.05      | 4.30       | 3.30       | 4.20       | 3.55       | 4.05      | 3.80      | 3.80      |
| 30.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 2.60      | 3.30      | 3.75       | 2.60      | 3.50      | 3.75       | 2.75       | 3.60       | 3.00       | 3.50      | 3.25      | 3.25      |
| 32.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            | 2.15      | 3.00      | 3.25       | 2.25       | 3.15       | 2.50       | 3.00      | 2.75      | 2.75      |
| 34.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            | 1.70      | 2.60      | 2.85       | 1.85       | 2.70       | 2.10       | 2.60      | 2.35      | 2.35      |
| 36.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 1.45       | 2.35       | 1.70       | 2.20      | 1.95      | 2.00      |
| 38.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 1.15       | 2.00       | 1.40       | 1.90      | 1.65      | 1.65      |
| 40.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |            |            | 1.10       | 1.55      | 1.35      | 1.35      |
| 42.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |            |            | 0.80       | 1.30      | 1.10      | 1.10      |
| 44.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |            |            |            |           | 0.85      | 0.90      |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30      | 19.90     | 21.60     | 23.40     | 18.30      | 19.50     | 22.20     | 17.80      | 18.80     | 20.50     | 17.80      | 18.30     | 18.30     | 17.30      | 17.60     | 16.30     | 15.00      | 16.00      | 13.00      | 13.00      | 11.00     | 10.40     | 9.00      |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —          | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —          | —          | —          | —         | —         | 22        |
| Telescoping conditions (%)                |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |            |            |            |           |           |           |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0          | 92        | 46        | 0         | 0          | 92        | 0         | 0          | 92        | 46        | 0          | 92        | 46        | 0          | 92        | 46        | 0          | 92         | 0          | 92         | 46        | 92        | 100       |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0          | 46        | 46        | 0         | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 92        | 46        | 46         | 92         | 92         | 92         | 92        | 92        | 100       |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 46         | 46        | 46        | 92         | 46        | 46        | 92         | 92         | 92         | 92         | 92        | 92        | 100       |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0          | 0         | 0         | 46        | 46         | 0         | 46        | 92         | 46        | 46        | 92         | 46        | 46        | 92         | 46        | 92        | 92         | 46         | 92         | 92         | 92        | 92        | 100       |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92         | 0         | 0         | 46        | 92         | 0         | 46        | 92         | 0         | 46        | 92         | 46        | 92        | 92         | 46        | 92        | 92         | 46         | 92         | 46         | 92        | 92        | 100       |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton  | for 37ton  | for 37ton  | for 37ton | for 37ton | for 37ton |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg      | 400kg      | 400kg      | 400kg     | 400kg     | 400kg     |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6          | 9         | 9         | 7         | 6          | 8         | 7         | 5          | 6         | 6         | 5          | 5         | 4         | 4          | 4         | 3         | 3          | 3          | 3          | 3          | 2         | 2         | 2         |

(Unit: Metric ton)

S

A

B

C

D

E

F

With SL jib

Without SL jib

**Specification B3**

Outriggers intermediately extended (5.0m) over side,  
with 21.8ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11         | 2         | 1         | 12         | 2         | 1         | 2          | 3         | 1         | 5          | 4         | 1         | 6          | 1         | 7          | 1         | 1          | 8          |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12         | 13        | 14        | 15         | 16        | 17        | 18         | 19        | 20        | 21         | 22        | 23        | 24         | 25        | 26         | 27        | 28         | 29         |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 55.00      | 55.00      | 33.30      | 54.10     | 50.00     | 35.00     | 23.70     | 46.00      | 46.00     | 35.00     | 26.30     | 41.00      | 35.00     | 25.30     |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 53.55      | 53.25      | 31.50      | 50.40     | 50.00     | 35.00     | 22.20     | 45.20      | 46.00     | 35.00     | 24.80     | 40.40      | 35.00     | 23.60     |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 38.15      | 37.85      | 28.60      | 37.70     | 38.45     | 32.30     | 19.80     | 38.20      | 39.20     | 35.00     | 22.30     | 35.70      | 35.00     | 20.90     | 31.50      | 30.00     | 22.50     |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 29.10      | 28.85      | 26.20      | 28.70     | 29.40     | 29.80     | 17.80     | 29.15      | 30.10     | 31.95     | 20.20     | 29.80      | 31.85     | 18.70     | 29.60      | 30.00     | 20.30     | 25.00      | 21.00     | 18.00     |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 23.15      | 22.90      | 24.20      | 22.80     | 23.45     | 25.45     | 16.20     | 23.20      | 24.05     | 25.80     | 18.50     | 23.80      | 25.75     | 16.90     | 24.45      | 25.45     | 18.40     | 25.00      | 21.00     | 17.00     | 20.00      | 16.30     | 15.00     | 16.00      | 13.00     |            |           |            |            |
| 9.0                                       | 18.90      | 18.70      | 20.35      | 18.60     | 19.20     | 21.15     | 14.80     | 19.00      | 19.80     | 21.45     | 17.10     | 19.55      | 21.40     | 15.40     | 20.15      | 21.10     | 16.80     | 20.75      | 21.00     | 15.40     | 20.00      | 16.30     | 15.00     | 16.00      | 13.00     | 13.00      | 11.00     |            |            |
| 10.0                                      |            | 15.60      | 17.15      | 15.45     | 16.05     | 17.95     | 13.70     | 15.85      | 16.65     | 18.20     | 15.90     | 16.40      | 18.15     | 14.20     | 16.95      | 17.85     | 15.40     | 17.55      | 18.35     | 14.10     | 17.55      | 16.30     | 15.00     | 16.00      | 13.00     | 13.00      | 11.00     | 10.40      |            |
| 11.0                                      |            | 13.10      | 14.65      | 13.00     | 13.60     | 15.45     | 12.70     | 13.45      | 14.15     | 15.70     | 14.80     | 13.90      | 15.65     | 13.10     | 14.50      | 15.40     | 14.20     | 15.10      | 15.90     | 13.00     | 15.10      | 16.10     | 14.10     | 15.25      | 13.00     | 13.00      | 11.00     | 10.40      | 9.00       |
| 12.0                                      |            | 11.15      | 12.70      | 11.10     | 11.65     | 13.45     | 11.80     | 11.50      | 12.20     | 13.75     | 13.90     | 11.95      | 13.70     | 12.20     | 12.50      | 13.40     | 13.10     | 13.05      | 13.85     | 12.00     | 13.15      | 14.10     | 13.10     | 13.25      | 13.00     | 13.00      | 11.00     | 10.40      | 9.00       |
| 14.0                                      |            |            |            | 8.20      | 8.75      | 10.50     | 10.50     | 8.55       | 9.30      | 10.75     | 11.15     | 9.05       | 10.70     | 10.60     | 9.60       | 10.45     | 11.40     | 10.15      | 10.85     | 10.40     | 10.15      | 11.10     | 11.45     | 10.35      | 11.25     | 10.55      | 11.00     | 10.40      | 9.00       |
| 16.0                                      |            |            |            | 6.10      | 6.65      | 8.35      | 8.40      | 6.50       | 7.20      | 8.65      | 9.05      | 7.00       | 8.60      | 9.15      | 7.50       | 8.30      | 9.35      | 8.00       | 8.75      | 9.20      | 8.05       | 9.00      | 9.30      | 8.20       | 9.15      | 8.45       | 8.95      | 8.70       | 8.75       |
| 18.0                                      |            |            |            |           |           |           |           | 5.00       | 5.65      | 7.05      | 7.45      | 5.40       | 7.00      | 7.60      | 5.95       | 6.75      | 7.75      | 6.45       | 7.15      | 7.70      | 6.45       | 7.40      | 7.70      | 6.60       | 7.55      | 6.85       | 7.40      | 7.15       | 7.15       |
| 20.0                                      |            |            |            |           |           |           |           | 3.75       | 4.45      | 5.80      | 6.20      | 4.20       | 5.80      | 6.35      | 4.75       | 5.50      | 6.50      | 5.25       | 5.95      | 6.50      | 5.25       | 6.15      | 6.45      | 5.40       | 6.30      | 5.65       | 6.15      | 5.90       | 5.90       |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           | 3.30       | 4.75      | 5.35      | 3.75       | 4.55      | 5.55      | 4.25       | 4.95      | 5.50      | 4.30       | 5.15      | 4.65      | 4.45       | 5.30      | 4.65       | 5.15      | 4.95       | 4.95       |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           | 2.95       | 3.75      | 4.75      | 3.45       | 4.15      | 4.70      | 3.45       | 4.35      | 4.00      | 3.65       | 4.50      | 3.85       | 4.35      | 4.10       | 4.15       |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           | 2.30       | 3.05      | 4.05      | 2.80       | 3.45      | 4.00      | 2.80       | 3.70      | 3.40      | 2.95       | 3.80      | 3.15       | 3.70      | 3.45       | 3.50       |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           | 2.20       | 2.90      | 3.45      | 2.25       | 3.10      | 2.90      | 2.40       | 3.25      | 2.60       | 3.10      | 2.90       | 2.90       |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           | 1.75       | 2.40      | 2.95      | 1.75       | 2.65      | 2.50      | 1.95       | 2.75      | 2.10       | 2.60      | 2.40       | 2.45       |
| 32.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           | 1.40       | 2.20      | 2.40      | 1.50       | 2.35      | 1.70       | 2.20      | 2.00       | 2.00       |
| 34.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           | 0.95       | 1.85      | 2.30      | 1.15       | 1.95      | 1.35       | 1.85      | 1.65       | 1.65       |
| 36.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           | 0.80       | 1.65      | 1.00       | 1.50      | 1.30       | 1.30       |
| 38.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 1.35      |            | 1.25      | 1.00       | 1.05       |
| 40.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           | 1.00       |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50      | 22.20     | 17.80     | 18.80      | 20.50     | 17.80     | 18.30      | 18.30     | 17.30     | 17.60      | 16.30     | 15.00     | 16.00      | 13.00     | 13.00      | 11.00     | 10.40      | 9.00       |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | —          | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | 18         | —         | 25         | —         | 28         | 35         |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92         | 0         | 0         | 92         | 46        | 0         | 92         | 46        | 0         | 92         | 46        | 0         | 92         | 0         | 92         | 46        | 92         | 100        |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46         | 46        | 0         | 46         | 46        | 0         | 46         | 46        | 0         | 92         | 46        | 46        | 92         | 92        | 92         | 92        | 92         | 100        |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46         | 46        | 0         | 46         | 46        | 46        | 46         | 46        | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 92         | 100        |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 92        | 46         | 46        | 92        | 46         | 46        | 92        | 46         | 92        | 92        | 46         | 92        | 92         | 92        | 92         | 100        |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0          | 46        | 92        | 0          | 46        | 92        | 46         | 92        | 92        | 46         | 92        | 92        | 46         | 92        | 46         | 92        | 92         | 100        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton  |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg      |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8          | 7         | 5         | 6          | 6         | 5         | 5          | 4         | 4         | 4          | 3         | 3         | 3          | 3         | 3          | 2         | 2          | 2          |

(Unit: Metric ton)



## Specification B4

Outriggers intermediately extended (4.2m) over side,  
with 21.8ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1          | 10        | 11        | 2         | 1          | 11        | 2         | 1          | 12        | 2         | 1          | 2         | 3         | 1          | 5         | 4         | 1          | 6          | 1          | 7          | 1         | 1         | 8         |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7          | 8         | 9         | 10        | 11         | 12        | 13        | 14         | 15        | 16        | 17         | 18        | 19        | 20         | 21        | 22        | 23         | 24         | 25         | 26         | 27        | 28        | 29        |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom | 44.2m Boom | 47.9m Boom | 51.3m Boom |           |           |           |
| 2.5                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |            |            |            |           |           |           |
| 3.0                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |            |            |            |           |           |           |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30      |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |            |            |            |           |           |           |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40      | 46.00     | 46.00     | 35.00     | 28.00      |           |           |            |           |           |            |           |           |            |           |           |            |            |            |            |           |           |           |
| 4.5                                       | 51.20      | 50.85      | 33.30      | 50.65     | 50.00     | 35.00     | 23.70      | 46.00     | 46.00     | 35.00     | 26.30      | 41.00     | 35.00     | 25.30      |           |           |            |           |           |            |           |           |            |            |            |            |           |           |           |
| 5.0                                       | 42.30      | 41.95      | 31.50      | 41.80     | 42.55     | 35.00     | 22.20      | 42.30     | 43.35     | 35.00     | 24.80      | 40.40     | 35.00     | 23.60      |           |           |            |           |           |            |           |           |            |            |            |            |           |           |           |
| 6.0                                       | 30.85      | 30.55      | 28.60      | 30.40     | 31.10     | 32.30     | 19.80      | 30.85     | 31.80     | 33.65     | 22.30      | 31.50     | 33.60     | 20.90      | 31.50     | 30.00     | 22.50      |           |           |            |           |           |            |            |            |            |           |           |           |
| 7.0                                       | 23.80      | 23.55      | 25.25      | 23.40     | 24.05     | 26.10     | 17.80      | 23.85     | 24.70     | 26.40     | 20.20      | 24.40     | 26.40     | 18.70      | 25.05     | 26.05     | 20.30      | 25.00     | 21.00     | 18.00      |           |           |            |            |            |            |           |           |           |
| 8.0                                       | 19.05      | 18.80      | 20.40      | 18.65     | 19.30     | 21.25     | 16.20      | 19.05     | 19.90     | 21.50     | 18.50      | 19.65     | 21.35     | 16.90      | 20.25     | 21.20     | 18.40      | 20.85     | 21.00     | 17.00      | 20.00     | 16.30     | 15.00      | 16.00      | 13.00      |            |           |           |           |
| 9.0                                       | 15.55      | 15.35      | 16.95      | 15.25     | 15.85     | 17.65     | 14.80      | 15.65     | 16.40     | 17.85     | 17.10      | 16.10     | 17.75     | 15.40      | 16.70     | 17.65     | 16.80      | 17.35     | 18.15     | 15.40      | 17.35     | 16.30     | 15.00      | 16.00      | 13.00      | 13.00      | 11.00     |           |           |
| 10.0                                      |            | 12.75      | 14.30      | 12.65     | 13.25     | 14.95     | 13.70      | 13.05     | 13.75     | 15.15     | 15.60      | 13.50     | 15.05     | 14.20      | 14.05     | 15.00     | 15.40      | 14.65     | 15.40     | 14.10      | 14.70     | 15.70     | 15.00      | 14.85      | 13.00      | 13.00      | 11.00     | 10.40     |           |
| 11.0                                      |            | 10.75      | 12.20      | 10.65     | 11.20     | 12.85     | 12.70      | 11.00     | 11.70     | 13.05     | 13.45      | 11.45     | 12.95     | 13.10      | 11.95     | 12.85     | 13.80      | 12.55     | 13.30     | 13.00      | 12.60     | 13.55     | 13.85      | 12.75      | 13.00      | 13.00      | 11.00     | 10.40     | 9.00      |
| 12.0                                      |            | 9.05       | 10.55      | 9.00      | 9.55      | 11.20     | 11.30      | 9.40      | 10.05     | 11.40     | 11.80      | 9.80      | 11.30     | 11.90      | 10.30     | 11.20     | 12.10      | 10.90     | 11.60     | 12.00      | 10.95     | 11.85     | 12.15      | 11.10      | 12.00      | 11.35      | 11.00     | 10.40     | 9.00      |
| 14.0                                      |            |            |            | 6.50      | 7.05      | 8.70      | 8.80       | 6.90      | 7.60      | 8.90      | 9.25       | 7.35      | 8.80      | 9.40       | 7.85      | 8.65      | 9.55       | 8.35      | 9.05      | 9.55       | 8.45      | 9.30      | 9.60       | 8.60       | 9.40       | 8.85       | 9.35      | 9.10      | 9.00      |
| 16.0                                      |            |            |            | 4.75      | 5.25      | 6.95      | 6.95       | 5.10      | 5.80      | 7.10      | 7.50       | 5.60      | 7.00      | 7.60       | 6.10      | 6.85      | 7.75       | 6.60      | 7.25      | 7.75       | 6.65      | 7.50      | 7.75       | 6.80       | 7.60       | 7.00       | 7.55      | 7.30      | 7.30      |
| 18.0                                      |            |            |            |           |           |           |            | 3.75      | 4.45      | 5.80      | 6.15       | 4.25      | 5.70      | 6.25       | 4.75      | 5.50      | 6.40       | 5.25      | 5.90      | 6.35       | 5.25      | 6.15      | 6.40       | 5.40       | 6.25       | 5.65       | 6.15      | 5.90      | 5.95      |
| 20.0                                      |            |            |            |           |           |           |            | 2.70      | 3.40      | 4.75      | 5.10       | 3.20      | 4.65      | 5.20       | 3.70      | 4.45      | 5.35       | 4.20      | 4.85      | 5.30       | 4.20      | 5.05      | 5.35       | 4.35       | 5.20       | 4.60       | 5.10      | 4.85      | 4.85      |
| 22.0                                      |            |            |            |           |           |           |            |           |           |           |            | 2.35      | 3.85      | 4.40       | 2.80      | 3.60      | 4.50       | 3.30      | 4.00      | 4.45       | 3.35      | 4.20      | 4.50       | 3.50       | 4.35       | 3.70       | 4.20      | 3.95      | 4.00      |
| 24.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            | 2.10      | 2.90      | 3.85       | 2.60      | 3.30      | 3.80       | 2.65      | 3.50      | 3.80       | 2.80       | 3.65       | 3.00       | 3.50      | 3.25      | 3.30      |
| 26.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            | 1.55      | 2.30      | 3.30       | 2.00      | 2.70      | 3.20       | 2.05      | 2.90      | 3.20       | 2.20       | 3.05       | 2.40       | 2.90      | 2.65      | 2.70      |
| 28.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 1.55      | 2.20      | 2.70       | 1.55      | 2.40      | 2.70       | 1.70       | 2.55       | 1.90       | 2.40      | 2.15      | 2.20      |
| 30.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 1.05      | 1.75      | 2.30       | 1.05      | 1.95      | 2.25       | 1.30       | 2.10       | 1.50       | 2.00      | 1.75      | 1.75      |
| 32.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           | 1.60      | 1.90       | 0.90       | 1.75       | 1.05       | 1.60      | 1.35      | 1.40      |
| 34.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           | 1.30      | 1.55       |            | 1.40       |            | 1.30      | 1.05      | 1.10      |
| 36.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |            | 1.10       |            | 0.95      |           |           |
| 38.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |            | 0.80       |            |           |           |           |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30      | 19.90     | 21.60     | 23.40     | 18.30      | 19.50     | 22.20     | 17.80      | 18.80     | 20.50     | 17.80      | 18.30     | 18.30     | 17.30      | 17.60     | 16.30     | 15.00      | 16.00      | 13.00      | 13.00      | 11.00     | 10.40     | 9.00      |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —          | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | 23        | —         | —          | 31         | —          | 36         | 25        | 38        | 43        |
| Telescoping conditions ( % )              |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |            |            |            |           |           |           |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0          | 92        | 46        | 0         | 0          | 92        | 0         | 0          | 92        | 46        | 0          | 92        | 46        | 0          | 92        | 46        | 0          | 92         | 0          | 92         | 46        | 92        | 100       |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0          | 46        | 46        | 0         | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 92        | 46        | 46         | 92         | 92         | 92         | 92        | 92        | 100       |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 46         | 46        | 46        | 92         | 46        | 46        | 92         | 92         | 92         | 92         | 92        | 92        | 100       |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0          | 0         | 0         | 46        | 46         | 0         | 46        | 92         | 46        | 46        | 92         | 46        | 46        | 92         | 46        | 92        | 92         | 46         | 92         | 92         | 92        | 92        | 100       |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92         | 0         | 0         | 46        | 92         | 0         | 46        | 92         | 0         | 46        | 92         | 46        | 92        | 92         | 46        | 92        | 92         | 46         | 92         | 46         | 92        | 92        | 100       |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton  | for 37ton  | for 37ton  | for 37ton | for 37ton | for 37ton |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg      | 400kg      | 400kg      | 400kg     | 400kg     | 400kg     |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6          | 9         | 9         | 7         | 6          | 8         | 7         | 5          | 6         | 6         | 5          | 5         | 4         | 4          | 4         | 3         | 3          | 3          | 3          | 3          | 2         | 2         | 2         |

(Unit: Metric ton)

S

A

B

C

D

E

F

With SL jib

Without SL jib

**Specification C1**

Outriggers fully extended (7.2m) 360° full range,  
with 15.3ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11        | 2          | 1         | 12        | 2          | 1         | 2         | 3          | 1         | 5         | 4          | 1         | 6         | 1          | 7         | 1          | 1         | 8          |            |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12        | 13         | 14        | 15        | 16         | 17        | 18        | 19         | 20        | 21        | 22         | 23        | 24        | 25         | 26        | 27         | 28        | 29         |            |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 55.00      | 55.00      | 33.30      | 54.10     | 50.00     | 35.00     | 23.70     | 46.00      | 46.00     | 35.00     | 26.30     | 41.00     | 35.00      | 25.30     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 53.90      | 54.40      | 31.50      | 50.40     | 50.00     | 35.00     | 22.20     | 45.20      | 46.00     | 35.00     | 24.80     | 40.40     | 35.00      | 23.60     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 46.20      | 46.25      | 28.60      | 44.30     | 46.60     | 32.30     | 19.80     | 39.90      | 46.00     | 35.00     | 22.30     | 35.70     | 35.00      | 20.90     | 31.50     | 30.00      | 22.50     |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 38.80      | 38.65      | 26.20      | 38.50     | 39.00     | 29.80     | 17.80     | 35.40      | 39.50     | 32.60     | 20.20     | 31.80     | 34.80      | 18.70     | 29.60     | 30.00      | 20.30     | 25.00     | 21.00      | 18.00     |           |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 30.70      | 30.45      | 24.20      | 30.30     | 31.05     | 27.70     | 16.20     | 30.75      | 31.80     | 30.40     | 18.50     | 28.70     | 32.70      | 16.90     | 26.60     | 30.00      | 18.40     | 25.00     | 21.00      | 17.00     | 20.00     | 16.30      | 15.00     | 16.00     | 13.00      |           |            |           |            |            |
| 9.0                                       | 24.50      | 24.30      | 22.60      | 24.10     | 24.85     | 25.90     | 14.80     | 24.60      | 25.55     | 27.45     | 17.10     | 25.25     | 27.40      | 15.40     | 24.20     | 27.10      | 16.80     | 22.90     | 21.00      | 15.40     | 20.00     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      |           |            |            |
| 10.0                                      |            | 19.90      | 21.20      | 19.75     | 20.45     | 22.60     | 13.70     | 20.20      | 21.10     | 22.90     | 15.90     | 20.80     | 22.85      | 14.20     | 21.50     | 22.50      | 15.40     | 21.00     | 20.60      | 14.10     | 19.70     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     |            |            |
| 11.0                                      |            | 16.60      | 18.35      | 16.50     | 17.15     | 19.20     | 12.70     | 16.95      | 17.80     | 19.50     | 14.80     | 17.50     | 19.45      | 13.10     | 18.15     | 19.15      | 14.20     | 18.80     | 19.40      | 13.00     | 18.10     | 16.30      | 14.10     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| 12.0                                      |            | 14.05      | 15.75      | 13.95     | 14.60     | 16.60     | 11.80     | 14.40      | 15.25     | 16.90     | 13.90     | 14.95     | 16.80      | 12.20     | 15.55     | 16.50      | 13.10     | 16.20     | 17.05      | 12.00     | 16.20     | 15.60      | 13.10     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| 14.0                                      |            |            |            | 10.30     | 10.90     | 12.75     | 10.50     | 10.75      | 11.50     | 13.05     | 12.40     | 11.25     | 13.00      | 10.60     | 11.80     | 12.75      | 11.40     | 12.40     | 13.20      | 10.40     | 12.40     | 13.45      | 11.50     | 12.60     | 12.30      | 12.85     | 11.00      | 10.40     | 9.00       |            |
| 16.0                                      |            |            |            | 7.75      | 8.35      | 10.15     | 9.50      | 8.15       | 8.90      | 10.45     | 10.85     | 8.70      | 10.35      | 9.40      | 9.25      | 10.10      | 10.10     | 9.80      | 10.60      | 9.20      | 9.80      | 10.85      | 10.10     | 10.00     | 10.90      | 10.25     | 10.80      | 10.40     | 9.00       |            |
| 18.0                                      |            |            |            |           |           |           |           | 6.30       | 7.00      | 8.50      | 8.90      | 6.80      | 8.45       | 8.50      | 7.35      | 8.20       | 9.00      | 7.90      | 8.65       | 8.20      | 7.90      | 8.85       | 9.10      | 8.05      | 9.00       | 8.30      | 8.90       | 8.60      | 8.60       |            |
| 20.0                                      |            |            |            |           |           |           |           | 4.85       | 5.55      | 7.00      | 7.45      | 5.40      | 6.95       | 7.60      | 5.90      | 6.75       | 7.80      | 6.40      | 7.15       | 7.30      | 6.45      | 7.40       | 7.70      | 6.60      | 7.55       | 6.85      | 7.40       | 7.15      | 7.15       |            |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           | 4.20      | 5.80       | 6.40      | 4.75      | 5.55       | 6.60      | 5.25      | 6.00       | 6.55      | 5.30      | 6.20       | 6.55      | 5.45      | 6.35       | 5.65      | 6.20       | 5.95      | 6.00       |            |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 3.80      | 4.65       | 5.65      | 4.30      | 5.05       | 5.60      | 4.35      | 5.30       | 5.60      | 4.50      | 5.40       | 4.75      | 5.25       | 5.05      | 5.05       |            |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 3.05      | 3.85       | 4.90      | 3.55      | 4.30       | 4.80      | 3.60      | 4.50       | 4.80      | 3.75      | 4.65       | 4.00      | 4.50       | 4.25      | 4.25       |            |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           | 2.95      | 3.65       | 4.15      | 2.95      | 3.85       | 4.15      | 3.10      | 4.00       | 3.35      | 3.85       | 3.60      | 3.60       |            |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           | 2.40      | 3.10       | 3.60      | 2.40      | 3.30       | 3.55      | 2.55      | 3.40       | 2.75      | 3.30       | 3.05      | 3.05       |            |
| 32.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           | 1.90      | 2.80       | 3.10      | 2.10      | 2.90       | 2.30      | 2.80       | 2.55      | 2.60       |            |
| 34.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           | 1.55      | 2.40       | 2.70      | 1.65      | 2.50       | 1.90      | 2.40       | 2.15      | 2.20       |            |
| 36.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           | 1.30      | 2.15       | 1.55      | 2.00       | 1.75      | 1.80       |            |
| 38.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           | 1.00      | 1.80       | 1.20      | 1.70       | 1.45      | 1.50       |            |
| 40.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 0.95      | 1.40       | 1.20      | 1.20       |            |
| 42.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           | 1.15       | 0.90      | 0.95       |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50     | 22.20      | 17.80     | 18.80     | 20.50      | 17.80     | 18.30     | 18.30      | 17.30     | 17.60     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | —          | —         | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —          | —         | 29         |            |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92        | 0          | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 0          | 92        | 46         | 92        | 100        |            |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46        | 46         | 0         | 46        | 46         | 46        | 46        | 46         | 92        | 46        | 46         | 92        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0         | 46         | 92        | 46        | 46         | 92        | 46        | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 92         | 92        | 100        |            |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0         | 46         | 92        | 0         | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 46        | 92         | 46        | 92         | 92        | 100        |            |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      |            |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8         | 7          | 5         | 6         | 6          | 5         | 5         | 4          | 4         | 4         | 3          | 3         | 3         | 3          | 3         | 2          | 2         | 2          |            |

(Unit: Metric ton)



## Specification C2

Outriggers intermediately extended (6.0m) over side,  
with 15.3ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1          | 10        | 11        | 2         | 1          | 11        | 2         | 1          | 12        | 2         | 1          | 2         | 3         | 1          | 5         | 4         | 1          | 6         | 1          | 7         | 1          | 1          | 8     |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|-------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7          | 8         | 9         | 10        | 11         | 12        | 13        | 14         | 15        | 16        | 17         | 18        | 19        | 20         | 21        | 22        | 23         | 24        | 25         | 26        | 27         | 28         | 29    |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |       |
| 2.5                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |       |
| 3.0                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |       |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30      |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |       |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40      | 46.00     | 46.00     | 35.00     | 28.00      |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |       |
| 4.5                                       | 55.00      | 55.00      | 33.30      | 54.10     | 50.00     | 35.00     | 23.70      | 46.00     | 46.00     | 35.00     | 26.30      | 41.00     | 35.00     | 25.30      |           |           |            |           |           |            |           |           |            |           |            |           |            |            |       |
| 5.0                                       | 53.90      | 54.40      | 31.50      | 50.40     | 50.00     | 35.00     | 22.20      | 45.20     | 46.00     | 35.00     | 24.80      | 40.40     | 35.00     | 23.60      |           |           |            |           |           |            |           |           |            |           |            |           |            |            |       |
| 6.0                                       | 40.45      | 40.15      | 28.60      | 39.95     | 40.80     | 32.30     | 19.80      | 39.90     | 41.65     | 35.00     | 22.30      | 35.70     | 35.00     | 20.90      | 31.50     | 30.00     | 22.50      |           |           |            |           |           |            |           |            |           |            |            |       |
| 7.0                                       | 30.00      | 29.75      | 26.20      | 29.55     | 30.30     | 29.80     | 17.80      | 30.05     | 31.05     | 32.60     | 20.20      | 30.75     | 33.05     | 18.70      | 29.60     | 30.00     | 20.30      | 25.00     | 21.00     | 18.00      |           |           |            |           |            |           |            |            |       |
| 8.0                                       | 23.40      | 23.15      | 24.20      | 23.00     | 23.70     | 25.95     | 16.20      | 23.50     | 24.35     | 26.25     | 18.50      | 24.10     | 26.20     | 16.90      | 24.80     | 25.90     | 18.40      | 25.00     | 21.00     | 17.00      | 20.00     | 16.30     | 15.00      | 16.00     | 13.00      |           |            |            |       |
| 9.0                                       | 18.80      | 18.65      | 20.35      | 18.50     | 19.15     | 21.25     | 14.80      | 18.95     | 19.80     | 21.55     | 17.10      | 19.55     | 21.50     | 15.40      | 20.15     | 21.20     | 16.80      | 20.85     | 21.00     | 15.40      | 20.00     | 16.30     | 15.00      | 16.00     | 13.00      | 13.00     | 11.00      |            |       |
| 10.0                                      |            | 15.30      | 17.00      | 15.20     | 15.85     | 17.80     | 13.70      | 15.60     | 16.45     | 18.15     | 15.90      | 16.15     | 18.10     | 14.20      | 16.75     | 17.75     | 15.40      | 17.40     | 18.25     | 14.10      | 17.45     | 16.30     | 15.00      | 16.00     | 13.00      | 13.00     | 11.00      | 10.40      |       |
| 11.0                                      |            | 12.80      | 14.40      | 12.70     | 13.30     | 15.20     | 12.70      | 13.10     | 13.85     | 15.50     | 14.80      | 13.60     | 15.45     | 13.10      | 14.20     | 15.15     | 14.20      | 14.80     | 15.65     | 13.00      | 14.85     | 15.90     | 14.10      | 15.05     | 13.00      | 13.00     | 11.00      | 10.40      | 9.00  |
| 12.0                                      |            | 10.80      | 12.35      | 10.70     | 11.30     | 13.15     | 11.80      | 11.10     | 11.90     | 13.45     | 13.90      | 11.60     | 13.35     | 12.20      | 12.20     | 13.10     | 13.10      | 12.80     | 13.60     | 12.00      | 12.80     | 13.85     | 13.10      | 12.95     | 13.00      | 13.00     | 11.00      | 10.40      | 9.00  |
| 14.0                                      |            |            |            | 7.75      | 8.30      | 10.15     | 10.15      | 8.15      | 8.90      | 10.40     | 10.80      | 8.65      | 10.30     | 10.60      | 9.20      | 10.10     | 11.20      | 9.75      | 10.55     | 10.40      | 9.80      | 10.80     | 11.10      | 9.95      | 10.90      | 10.20     | 10.80      | 10.40      | 9.00  |
| 16.0                                      |            |            |            | 5.65      | 6.20      | 8.00      | 8.05       | 6.10      | 6.80      | 8.25      | 8.65       | 6.55      | 8.20      | 8.85       | 7.10      | 7.95      | 9.05       | 7.65      | 8.35      | 9.00       | 7.65      | 8.60      | 8.95       | 7.80      | 8.75       | 8.10      | 8.65       | 8.40       | 8.40  |
| 18.0                                      |            |            |            |           |           |           |            | 4.55      | 5.25      | 6.65      | 7.05       | 5.00      | 6.65      | 7.25       | 5.55      | 6.35      | 7.45       | 6.10      | 6.80      | 7.35       | 6.10      | 7.05      | 7.35       | 6.25      | 7.15       | 6.50      | 7.00       | 6.75       | 6.80  |
| 20.0                                      |            |            |            |           |           |           |            | 3.35      | 4.05      | 5.45      | 5.85       | 3.85      | 5.40      | 6.00       | 4.35      | 5.15      | 6.20       | 4.85      | 5.60      | 6.15       | 4.90      | 5.80      | 6.15       | 5.05      | 5.95       | 5.25      | 5.80       | 5.55       | 5.60  |
| 22.0                                      |            |            |            |           |           |           |            |           |           |           |            | 2.90      | 4.45      | 5.05       | 3.40      | 4.20      | 5.20       | 3.90      | 4.65      | 5.15       | 3.95      | 4.85      | 5.15       | 4.10      | 4.95       | 4.30      | 4.85       | 4.60       | 4.65  |
| 24.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            | 2.60      | 3.40      | 4.40       | 3.10      | 3.85      | 4.35       | 3.15      | 4.05      | 4.35       | 3.30      | 4.20       | 3.55      | 4.05       | 3.80       | 3.85  |
| 26.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            | 2.00      | 2.75      | 3.75       | 2.50      | 3.20      | 3.70       | 2.50      | 3.40      | 3.70       | 2.65      | 3.50       | 2.90      | 3.40       | 3.15       | 3.15  |
| 28.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 1.95      | 2.65      | 3.15       | 1.95      | 2.85      | 3.15       | 2.10      | 3.00       | 2.35      | 2.85       | 2.60       | 2.60  |
| 30.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 1.45      | 2.15      | 2.70       | 1.50      | 2.40      | 2.65       | 1.65      | 2.50       | 1.85      | 2.40       | 2.10       | 2.15  |
| 32.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            | 1.10      | 1.95      | 2.25       | 1.20      | 2.10       | 1.45      | 1.95       | 1.70       | 1.75  |
| 34.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           | 1.60      | 1.90       | 0.90      | 1.75       | 1.10      | 1.60       | 1.40       | 1.40  |
| 36.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           | 1.40       |           | 1.30       | 1.05       | 1.05  |
| 38.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           | 1.15       |           | 1.05       | 0.80       | 0.80  |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30      | 19.90     | 21.60     | 23.40     | 18.30      | 19.50     | 22.20     | 17.80      | 18.80     | 20.50     | 17.80      | 18.30     | 18.30     | 17.30      | 17.60     | 16.30     | 15.00      | 16.00     | 13.00      | 13.00     | 11.00      | 10.40      | 9.00  |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —          | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | 23        | —          | 30        | —          | 32         | 38    |
| Telescoping conditions ( % )              |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |       |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0          | 92        | 46        | 0         | 0          | 92        | 0         | 0          | 92        | 46        | 0          | 92        | 46        | 0          | 92        | 46        | 0          | 92        | 0          | 92        | 46         | 92         | 100   |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0          | 46        | 46        | 0         | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 92        | 46        | 46         | 92        | 92         | 92        | 92         | 92         | 100   |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 46         | 46        | 46        | 92         | 46        | 46        | 92         | 92        | 92         | 92        | 92         | 92         | 100   |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0          | 0         | 0         | 46        | 46         | 0         | 46        | 92         | 46        | 46        | 92         | 46        | 46        | 92         | 46        | 92        | 92         | 46        | 92         | 92        | 92         | 92         | 100   |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92         | 0         | 0         | 46        | 92         | 0         | 46        | 92         | 0         | 46        | 92         | 46        | 92        | 92         | 46        | 92        | 92         | 46        | 92         | 46        | 92         | 92         | 100   |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton  |       |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg      | 400kg |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6          | 9         | 9         | 7         | 6          | 8         | 7         | 5          | 6         | 6         | 5          | 5         | 4         | 4          | 4         | 3         | 3          | 3         | 3          | 3         | 2          | 2          | 2     |

(Unit: Metric ton)

**Specification C3**

Outriggers intermediately extended (5.0m) over side,  
with 15.3ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11        | 2          | 1         | 12        | 2          | 1         | 2         | 3          | 1         | 5         | 4          | 1         | 6         | 1          | 7         | 1          | 1         | 8          |            |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12        | 13         | 14        | 15        | 16         | 17        | 18        | 19         | 20        | 21        | 22         | 23        | 24        | 25         | 26        | 27         | 28        | 29         |            |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 54.05      | 53.70      | 33.30      | 53.50     | 50.00     | 35.00     | 23.70     | 46.00      | 46.00     | 35.00     | 26.30     | 41.00     | 35.00      | 25.30     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 43.60      | 43.25      | 31.50      | 43.05     | 43.95     | 35.00     | 22.20     | 43.65      | 44.80     | 35.00     | 24.80     | 40.40     | 35.00      | 23.60     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 30.80      | 30.50      | 28.60      | 30.35     | 31.10     | 32.30     | 19.80     | 30.85      | 31.85     | 33.85     | 22.30     | 31.55     | 33.80      | 20.90     | 31.50     | 30.00      | 22.50     |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 23.30      | 23.00      | 24.85      | 22.80     | 23.50     | 25.75     | 17.80     | 23.30      | 24.20     | 26.10     | 20.20     | 23.90     | 26.05      | 18.70     | 24.60     | 25.70      | 20.30     | 25.00     | 21.00      | 18.00     |           |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 18.30      | 18.05      | 19.80      | 17.90     | 18.55     | 20.65     | 16.20     | 18.35      | 19.20     | 20.95     | 18.50     | 18.95     | 20.85      | 16.90     | 19.55     | 20.60      | 18.40     | 20.20     | 21.00      | 17.00     | 20.00     | 16.30      | 15.00     | 16.00     | 13.00      |           |            |           |            |            |
| 9.0                                       | 14.75      | 14.60      | 16.20      | 14.40     | 15.05     | 17.00     | 14.80     | 14.85      | 15.65     | 17.30     | 17.10     | 15.40     | 17.25      | 15.40     | 16.00     | 16.95      | 16.80     | 16.60     | 17.45      | 15.40     | 16.65     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      |           |            |            |
| 10.0                                      |            | 11.95      | 13.55      | 11.85     | 12.45     | 14.30     | 13.70     | 12.25      | 13.00     | 14.60     | 15.05     | 12.75     | 14.55      | 14.20     | 13.35     | 14.30      | 15.40     | 13.90     | 14.75      | 14.10     | 13.95     | 15.00      | 15.00     | 14.15     | 13.00      | 13.00     | 11.00      | 10.40     |            |            |
| 11.0                                      |            | 9.95       | 11.45      | 9.80      | 10.40     | 12.25     | 12.25     | 10.20      | 11.00     | 12.50     | 12.95     | 10.75     | 12.45      | 13.10     | 11.30     | 12.15      | 13.30     | 11.85     | 12.65      | 13.00     | 11.90     | 12.90      | 13.25     | 12.05     | 13.00      | 12.30     | 11.00      | 10.40     | 9.00       |            |
| 12.0                                      |            | 8.30       | 9.80       | 8.20      | 8.75      | 10.60     | 10.60     | 8.60       | 9.35      | 10.80     | 11.25     | 9.10      | 10.75      | 11.45     | 9.65      | 10.55      | 11.65     | 10.20     | 11.00      | 11.55     | 10.25     | 11.25      | 11.60     | 10.40     | 11.40      | 10.65     | 11.00      | 10.40     | 9.00       |            |
| 14.0                                      |            |            |            | 5.80      | 6.35      | 8.10      | 8.10      | 6.20       | 6.90      | 8.35      | 8.75      | 6.70      | 8.30       | 8.90      | 7.20      | 8.05       | 9.10      | 7.70      | 8.45       | 9.05      | 7.75      | 8.70       | 9.05      | 7.95      | 8.85       | 8.20      | 8.75       | 8.45      | 8.50       |            |
| 16.0                                      |            |            |            | 4.10      | 4.60      | 6.35      | 6.35      | 4.45       | 5.20      | 6.55      | 6.95      | 4.95      | 6.55       | 7.15      | 5.45      | 6.25       | 7.35      | 5.95      | 6.70       | 7.25      | 6.00      | 6.90       | 7.25      | 6.15      | 7.05       | 6.40      | 6.95       | 6.70      | 6.70       |            |
| 18.0                                      |            |            |            |           |           |           |           | 3.15       | 3.85      | 5.25      | 5.60      | 3.65      | 5.20       | 5.80      | 4.15      | 4.95       | 6.00      | 4.65      | 5.35       | 5.90      | 4.65      | 5.60       | 5.90      | 4.85      | 5.75       | 5.05      | 5.60       | 5.35      | 5.35       |            |
| 20.0                                      |            |            |            |           |           |           |           | 2.15       | 2.85      | 4.25      | 4.60      | 2.65      | 4.15       | 4.75      | 3.15      | 3.90       | 4.95      | 3.65      | 4.35       | 4.90      | 3.65      | 4.55       | 4.85      | 3.80      | 4.70       | 4.05      | 4.55       | 4.30      | 4.30       |            |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           | 1.85      | 3.35       | 3.90      | 2.35      | 3.10       | 4.10      | 2.80      | 3.50       | 4.05      | 2.85      | 3.70       | 4.05      | 3.00      | 3.85       | 3.20      | 3.70       | 3.50      | 3.50       |            |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 1.65      | 2.45       | 3.40      | 2.15      | 2.85       | 3.35      | 2.20      | 3.05       | 3.35      | 2.35      | 3.20       | 2.55      | 3.05       | 2.80      | 2.85       |            |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 1.10      | 1.90       | 2.85      | 1.60      | 2.25       | 2.80      | 1.60      | 2.50       | 2.80      | 1.80      | 2.60       | 2.00      | 2.50       | 2.25      | 2.30       |            |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           | 1.15      | 1.80       | 2.30      | 1.15      | 2.00       | 2.30      | 1.30      | 2.15       | 1.55      | 2.00       | 1.80      | 1.80       |            |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           | 1.40       | 1.90      |           | 1.60       | 1.90      | 0.90      | 1.70       | 1.10      | 1.60       | 1.40      | 1.40       |            |
| 32.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           | 1.25       | 1.55      |           | 1.40       |           | 1.25       | 1.05      | 1.05       |            |
| 34.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           | 1.00       | 1.25      |           | 1.10       |           | 0.95       |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50     | 22.20      | 17.80     | 18.80     | 20.50      | 17.80     | 18.30     | 18.30      | 17.30     | 17.60     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | —          | —         | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | 30        | —          | —         | 36        | —          | 40        | 31         | 42        | 48         |            |
| Telescoping conditions ( % )              |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92        | 0          | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 0          | 92        | 46         | 92        | 100        |            |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46        | 46         | 0         | 46        | 46         | 46        | 46        | 46         | 92        | 46        | 46         | 92        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0         | 46         | 92        | 46        | 46         | 92        | 46        | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 92         | 92        | 100        |            |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0         | 46         | 92        | 0         | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 46        | 92         | 46        | 92         | 92        | 100        |            |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      |            |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8         | 7          | 5         | 6         | 6          | 5         | 5         | 4          | 4         | 4         | 3          | 3         | 3         | 3          | 3         | 2          | 2         | 2          |            |

(Unit: Metric ton)



**Specification C4**

Outriggers intermediately extended (4.2m) over side,  
with 15.3ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11        | 2          | 1         | 12        | 2          | 1         | 2         | 3          | 1         | 5         | 4          | 1         | 6         | 1          | 7         | 1          | 1         | 8          |            |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12        | 13         | 14        | 15        | 16         | 17        | 18        | 19         | 20        | 21        | 22         | 23        | 24        | 25         | 26        | 27         | 28        | 29         |            |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 52.00      | 51.65      | 35.00      | 51.40     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 41.30      | 40.95      | 33.30      | 40.80     | 41.60     | 35.00     | 23.70     | 40.85      | 42.15     | 35.00     | 26.30     | 39.10     | 35.00      | 25.30     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 33.95      | 33.65      | 31.50      | 33.45     | 34.25     | 35.00     | 22.20     | 34.00      | 35.00     | 35.00     | 24.80     | 33.75     | 35.00      | 23.60     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 24.50      | 24.20      | 26.05      | 24.05     | 24.75     | 27.00     | 19.80     | 24.55      | 25.45     | 27.30     | 22.30     | 25.15     | 27.25      | 20.90     | 25.75     | 26.90      | 22.50     |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 18.65      | 18.40      | 20.15      | 18.30     | 18.95     | 21.00     | 17.80     | 18.75      | 19.55     | 21.30     | 20.20     | 19.30     | 21.25      | 18.70     | 19.90     | 20.95      | 20.30     | 20.60     | 21.00      | 18.00     |           |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 14.70      | 14.50      | 16.10      | 14.35     | 15.00     | 16.95     | 16.20     | 14.80      | 15.60     | 17.20     | 17.70     | 15.35     | 17.20      | 16.90     | 15.95     | 16.90      | 18.10     | 16.55     | 17.40      | 17.00     | 16.55     | 16.30      | 15.00     | 16.00     | 13.00      |           |            |           |            |            |
| 9.0                                       | 11.85      | 11.70      | 13.25      | 11.55     | 12.15     | 14.00     | 14.05     | 11.95      | 12.70     | 14.30     | 14.75     | 12.45     | 14.25      | 14.90     | 13.05     | 13.95      | 15.10     | 13.60     | 14.45      | 15.10     | 13.65     | 14.70      | 15.00     | 13.85     | 13.00      | 13.00     | 11.00      |           |            |            |
| 10.0                                      |            | 9.55       | 11.05      | 9.40      | 9.95      | 11.80     | 11.80     | 9.75       | 10.55     | 12.10     | 12.50     | 10.30     | 12.00      | 12.65     | 10.85     | 11.75      | 12.80     | 11.45     | 12.20      | 12.80     | 11.45     | 12.45      | 12.80     | 11.60     | 12.65      | 11.85     | 11.00      | 10.40     |            |            |
| 11.0                                      |            | 7.85       | 9.30       | 7.70      | 8.25      | 10.05     | 10.05     | 8.10       | 8.85      | 10.35     | 10.75     | 8.60      | 10.25      | 10.85     | 9.15      | 10.00      | 11.05     | 9.70      | 10.50      | 11.00     | 9.70      | 10.70      | 11.05     | 9.90      | 10.85      | 10.15     | 10.70      | 10.40     | 9.00       |            |
| 12.0                                      |            | 6.45       | 7.95       | 6.40      | 6.90      | 8.65      | 8.65      | 6.75       | 7.50      | 8.95      | 9.30      | 7.25      | 8.85       | 9.45      | 7.80      | 8.60       | 9.60      | 8.30      | 9.05       | 9.60      | 8.35      | 9.30       | 9.65      | 8.50      | 9.45       | 8.75      | 9.30       | 9.00      | 9.00       |            |
| 14.0                                      |            |            |            | 4.35      | 4.90      | 6.55      | 6.55      | 4.70       | 5.40      | 6.85      | 7.20      | 5.20      | 6.75       | 7.35      | 5.70      | 6.50       | 7.50      | 6.25      | 6.95       | 7.45      | 6.25      | 7.20       | 7.50      | 6.40      | 7.30       | 6.65      | 7.15       | 6.90      | 6.95       |            |
| 16.0                                      |            |            |            | 2.85      | 3.40      | 5.05      | 5.05      | 3.25       | 3.90      | 5.30      | 5.70      | 3.70      | 5.25       | 5.85      | 4.20      | 5.00       | 5.95      | 4.70      | 5.45       | 5.95      | 4.75      | 5.65       | 5.95      | 4.90      | 5.80       | 5.15      | 5.65       | 5.40      | 5.40       |            |
| 18.0                                      |            |            |            |           |           |           |           | 2.10       | 2.80      | 4.15      | 4.55      | 2.60      | 4.15       | 4.70      | 3.10      | 3.90       | 4.85      | 3.60      | 4.30       | 4.80      | 3.60      | 4.50       | 4.80      | 3.75      | 4.65       | 4.00      | 4.50       | 4.25      | 4.30       |            |
| 20.0                                      |            |            |            |           |           |           |           | 1.25       | 1.90      | 3.25      | 3.65      | 1.75      | 3.25       | 3.80      | 2.20      | 3.00       | 3.95      | 2.70      | 3.40       | 3.95      | 2.70      | 3.60       | 3.90      | 2.90      | 3.75       | 3.10      | 3.60       | 3.35      | 3.40       |            |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           | 0.90      | 2.50       | 3.05      | 1.50      | 2.25       | 3.25      | 2.00      | 2.70       | 3.20      | 2.00      | 2.90       | 3.20      | 2.20      | 3.05       | 2.40      | 2.90       | 2.65      | 2.70       |            |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 0.80      | 1.70       | 2.65      | 1.40      | 2.10       | 2.60      | 1.45      | 2.30       | 2.60      | 1.55      | 2.45       | 1.80      | 2.30       | 2.10      | 2.10       |            |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           | 1.20       | 2.15      | 0.80      | 1.60       | 2.10      | 0.85      | 1.80       | 2.10      | 1.10      | 1.95       | 1.30      | 1.80       | 1.60      | 1.60       |            |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           | 1.20       | 1.70      |           | 1.40       | 1.65      |           | 1.50       |           | 1.40       | 1.15      | 1.20       |            |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            | 1.35      |           | 1.00       | 1.35      |           | 1.15       |           | 1.05       |           |            |            |
| 32.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           | 1.00       |           |           |            |           |            |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50     | 22.20      | 17.80     | 18.80     | 20.50      | 17.80     | 18.30     | 18.30      | 17.30     | 16.55     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | —          | —         | —         | —         | —         | —          | —         | 27        | —          | —         | 31        | —          | —         | 40        | 22         | —         | 46        | 31         | 50        | 40         | 51        | 56         |            |
| Telescoping conditions ( % )              |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92        | 0          | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 0          | 92        | 46         | 92        | 100        |            |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46        | 46         | 0         | 46        | 46         | 46        | 46        | 46         | 92        | 46        | 46         | 92        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0         | 46         | 92        | 46        | 46         | 92        | 46        | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 92         | 92        | 100        |            |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0         | 46         | 92        | 0         | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 46        | 92         | 46        | 92         | 92        | 100        |            |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      |            |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8         | 7          | 5         | 6         | 6          | 5         | 5         | 4          | 4         | 4         | 3          | 3         | 3         | 3          | 3         | 2          | 2         | 2          |            |

(Unit: Metric ton)

**Specification D1**

Outriggers fully extended (7.2m) 360° full range,  
with 7.4ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11        | 2          | 1         | 12        | 2          | 1         | 2         | 3          | 1         | 5         | 4          | 1         | 6         | 1          | 7         | 1          | 1         | 8          |            |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12        | 13         | 14        | 15        | 16         | 17        | 18        | 19         | 20        | 21        | 22         | 23        | 24        | 25         | 26        | 27         | 28        | 29         |            |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 54.55      | 54.40      | 35.00      | 54.25     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 47.75      | 47.60      | 33.30      | 47.45     | 47.95     | 35.00     | 23.70     | 46.00      | 46.00     | 35.00     | 26.30     | 41.00     | 35.00      | 25.30     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 42.30      | 42.15      | 31.50      | 42.00     | 42.50     | 35.00     | 22.20     | 42.30      | 42.95     | 35.00     | 24.80     | 40.40     | 35.00      | 23.60     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 34.20      | 34.00      | 28.60      | 33.85     | 34.40     | 32.30     | 19.80     | 34.15      | 34.80     | 35.00     | 22.30     | 34.65     | 35.00      | 20.90     | 31.50     | 30.00      | 22.50     |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 28.45      | 28.25      | 26.20      | 28.05     | 28.60     | 29.80     | 17.80     | 28.40      | 29.00     | 30.45     | 20.20     | 28.85     | 30.30      | 18.70     | 29.35     | 30.00      | 20.30     | 25.00     | 21.00      | 18.00     |           |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 22.75      | 22.50      | 24.20      | 22.30     | 23.10     | 25.55     | 16.20     | 22.85      | 23.85     | 25.90     | 18.50     | 23.55     | 25.85      | 16.90     | 24.30     | 25.45      | 18.40     | 25.00     | 21.00      | 17.00     | 20.00     | 16.30      | 15.00     | 16.00     | 13.00      |           |            |           |            |            |
| 9.0                                       | 17.90      | 17.65      | 19.55      | 17.55     | 18.25     | 20.55     | 14.80     | 18.00      | 18.95     | 20.85     | 17.10     | 18.65     | 20.80      | 15.40     | 19.35     | 20.45      | 16.80     | 20.10     | 21.00      | 15.40     | 20.00     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      |           |            |            |
| 10.0                                      |            | 14.25      | 16.05      | 14.10     | 14.80     | 16.95     | 13.70     | 14.60      | 15.45     | 17.25     | 15.90     | 15.20     | 17.20      | 14.20     | 15.85     | 16.90      | 15.40     | 16.55     | 17.45      | 14.10     | 16.55     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     |            |            |
| 11.0                                      |            | 11.70      | 13.40      | 11.60     | 12.25     | 14.30     | 12.70     | 12.00      | 12.85     | 14.60     | 14.80     | 12.60     | 14.55      | 13.10     | 13.20     | 14.25      | 14.20     | 13.85     | 14.75      | 13.00     | 13.90     | 15.00      | 14.10     | 14.10     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| 12.0                                      |            | 9.70       | 11.35      | 9.60      | 10.25     | 12.20     | 11.80     | 10.05      | 10.85     | 12.50     | 12.95     | 10.60     | 12.45      | 12.20     | 11.20     | 12.15      | 13.10     | 11.85     | 12.65      | 12.00     | 11.85     | 12.95      | 13.10     | 12.05     | 13.00      | 12.30     | 11.00      | 10.40     | 9.00       |            |
| 14.0                                      |            |            |            | 6.75      | 7.35      | 9.25      | 9.25      | 7.15       | 7.90      | 9.50      | 9.90      | 7.65      | 9.45       | 10.10     | 8.25      | 9.15       | 10.30     | 8.85      | 9.60       | 10.25     | 8.85      | 9.90       | 10.25     | 9.00      | 10.05      | 9.30      | 9.90       | 9.65      | 9.00       |            |
| 16.0                                      |            |            |            | 4.70      | 5.30      | 7.15      | 7.15      | 5.15       | 5.90      | 7.40      | 7.80      | 5.65      | 7.35       | 8.00      | 6.20      | 7.10       | 8.20      | 6.80      | 7.55       | 8.15      | 6.80      | 7.80       | 8.10      | 6.95      | 7.95       | 7.25      | 7.80       | 7.50      | 7.55       |            |
| 18.0                                      |            |            |            |           |           |           |           | 3.65       | 4.40      | 5.90      | 6.30      | 4.20      | 5.80       | 6.45      | 4.75      | 5.60       | 6.65      | 5.25      | 6.05       | 6.60      | 5.30      | 6.25       | 6.60      | 5.45      | 6.40       | 5.70      | 6.25       | 6.00      | 6.00       |            |
| 20.0                                      |            |            |            |           |           |           |           | 2.55       | 3.25      | 4.75      | 5.15      | 3.05      | 4.65       | 5.25      | 3.55      | 4.40       | 5.50      | 4.10      | 4.85       | 5.40      | 4.10      | 5.05       | 5.40      | 4.30      | 5.20       | 4.50      | 5.05       | 4.85      | 4.85       |            |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           | 2.15      | 3.75       | 4.35      | 2.70      | 3.50       | 4.55      | 3.20      | 3.95       | 4.50      | 3.25      | 4.15       | 4.50      | 3.35      | 4.30       | 3.65      | 4.15       | 3.90      | 3.95       |            |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 1.95      | 2.80       | 3.80      | 2.50      | 3.20       | 3.75      | 2.50      | 3.45       | 3.75      | 2.65      | 3.55       | 2.90      | 3.40       | 3.15      | 3.20       |            |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 1.40      | 2.15       | 3.20      | 1.85      | 2.60       | 3.10      | 1.90      | 2.80       | 3.10      | 2.05      | 2.95       | 2.30      | 2.80       | 2.55      | 2.55       |            |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           | 1.40      | 2.05       | 2.60      | 1.40      | 2.25       | 2.55      | 1.55      | 2.40       | 1.75      | 2.30       | 2.05      | 2.05       |            |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           | 0.95      | 1.60       | 2.15      | 0.95      | 1.85       | 2.15      | 1.10      | 1.95       | 1.30      | 1.85       | 1.60      | 1.65       |            |
| 32.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           | 1.45       | 1.75      |           | 1.60       | 0.95      | 1.45       | 1.25      | 1.25       |            |
| 34.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           | 1.15       | 1.45      |           | 1.25       |           | 1.10       | 0.90      | 0.90       |            |
| 36.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           | 0.95       |           | 0.85       |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50     | 22.20      | 17.80     | 18.80     | 20.50      | 17.80     | 18.30     | 18.30      | 17.30     | 17.60     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | —          | —         | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | 23        | —          | —         | 35        | —          | 36        | 25         | 38        | 44         |            |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92        | 0          | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 0          | 92        | 46         | 92        | 100        |            |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46        | 46         | 0         | 46        | 46         | 46        | 46        | 46         | 92        | 46        | 46         | 92        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0         | 46         | 92        | 46        | 46         | 92        | 46        | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 92         | 92        | 100        |            |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0         | 46         | 92        | 0         | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 46        | 92         | 46        | 92         | 92        | 100        |            |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      |            |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8         | 7          | 5         | 6         | 6          | 5         | 5         | 4          | 4         | 4         | 3          | 3         | 3         | 3          | 3         | 2          | 2         | 2          |            |

(Unit: Metric ton)



**Specification D2**

Outriggers intermediately extended (6.0m) over side,  
with 7.4ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11         | 2         | 1         | 12         | 2         | 1         | 2          | 3         | 1         | 5          | 4         | 1         | 6          | 1         | 7          | 1         | 1          | 8          |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12         | 13        | 14        | 15         | 16        | 17        | 18         | 19        | 20        | 21         | 22        | 23        | 24         | 25        | 26         | 27        | 28         | 29         |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 54.55      | 54.40      | 35.00      | 54.25     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 47.75      | 47.60      | 33.30      | 47.45     | 47.95     | 35.00     | 23.70     | 46.00      | 46.00     | 35.00     | 26.30     | 41.00      | 35.00     | 25.30     |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 42.30      | 42.15      | 31.50      | 42.00     | 42.50     | 35.00     | 22.20     | 42.30      | 42.95     | 35.00     | 24.80     | 40.40      | 35.00     | 23.60     |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 30.00      | 29.65      | 28.60      | 29.50     | 30.35     | 32.30     | 19.80     | 30.05      | 31.15     | 33.50     | 22.30     | 30.80      | 33.40     | 20.90     | 31.25      | 30.00     | 22.50     |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 21.90      | 21.65      | 23.60      | 21.45     | 22.25     | 24.65     | 17.80     | 21.95      | 22.95     | 25.00     | 20.20     | 22.65      | 24.95     | 18.70     | 23.40      | 24.60     | 20.30     | 24.15      | 21.00     | 18.00     |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 16.80      | 16.55      | 18.40      | 16.40     | 17.10     | 19.35     | 16.20     | 16.90      | 17.80     | 19.65     | 18.50     | 17.50      | 19.60     | 16.90     | 18.20      | 19.25     | 18.40     | 18.90      | 19.85     | 17.00     | 18.90      | 16.30     | 15.00     | 16.00      | 13.00     |            |           |            |            |
| 9.0                                       | 13.25      | 13.05      | 14.80      | 12.95     | 13.60     | 15.70     | 14.80     | 13.35      | 14.20     | 16.00     | 16.50     | 13.95      | 15.95     | 15.40     | 14.60      | 15.65     | 16.80     | 15.25      | 16.15     | 15.40     | 15.30      | 16.30     | 15.00     | 15.45      | 13.00     | 13.00      | 11.00     |            |            |
| 10.0                                      |            | 10.50      | 12.20      | 10.35     | 11.00     | 13.00     | 13.05     | 10.80      | 11.60     | 13.30     | 13.80     | 11.35      | 13.25     | 14.00     | 11.95      | 12.95     | 14.20     | 12.60      | 13.45     | 14.10     | 12.60      | 13.70     | 14.10     | 12.80      | 13.00     | 13.00      | 11.00     | 10.40      |            |
| 11.0                                      |            | 8.55       | 10.15      | 8.45      | 9.05      | 10.95     | 11.00     | 8.85       | 9.65      | 11.25     | 11.70     | 9.35       | 11.20     | 11.90     | 9.95       | 10.90     | 12.15     | 10.60      | 11.40     | 12.05     | 10.60      | 11.65     | 12.05     | 10.80      | 11.85     | 11.05      | 11.00     | 10.40      | 9.00       |
| 12.0                                      |            | 7.00       | 8.55       | 6.90      | 7.45      | 9.40      | 9.40      | 7.30       | 8.10      | 9.65      | 10.05     | 7.85       | 9.60      | 10.25     | 8.40       | 9.30      | 10.45     | 8.95       | 9.80      | 10.45     | 9.00       | 10.05     | 10.40     | 9.20       | 10.20     | 9.45       | 10.05     | 9.80       | 9.00       |
| 14.0                                      |            |            |            | 4.65      | 5.20      | 7.00      | 7.00      | 5.00       | 5.75      | 7.25      | 7.70      | 5.55       | 7.20      | 7.85      | 6.10       | 6.95      | 8.05      | 6.60       | 7.40      | 8.00      | 6.65       | 7.65      | 8.00      | 6.80       | 7.80      | 7.10       | 7.65      | 7.40       | 7.45       |
| 16.0                                      |            |            |            | 3.00      | 3.55      | 5.35      | 5.35      | 3.40       | 4.15      | 5.60      | 6.00      | 3.95       | 5.55      | 6.15      | 4.45       | 5.30      | 6.35      | 5.00       | 5.70      | 6.30      | 5.00       | 5.95      | 6.25      | 5.15       | 6.10      | 5.40       | 6.00      | 5.70       | 5.75       |
| 18.0                                      |            |            |            |           |           |           |           | 2.25       | 2.95      | 4.35      | 4.75      | 2.70       | 4.30      | 4.90      | 3.20       | 4.05      | 5.10      | 3.75       | 4.50      | 5.05      | 3.75       | 4.70      | 5.05      | 3.95       | 4.85      | 4.15       | 4.70      | 4.45       | 4.45       |
| 20.0                                      |            |            |            |           |           |           |           | 1.30       | 2.00      | 3.40      | 3.80      | 1.80       | 3.35      | 3.95      | 2.30       | 3.10      | 4.15      | 2.80       | 3.55      | 4.10      | 2.85       | 3.75      | 4.05      | 3.00       | 3.90      | 3.20       | 3.75      | 3.50       | 3.55       |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           | 1.05       | 2.60      | 3.20      | 1.55       | 2.35      | 3.40      | 2.05       | 2.80      | 3.30      | 2.10       | 3.00      | 3.30      | 2.25       | 3.10      | 2.50       | 3.00      | 2.75       | 2.80       |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           | 1.00       | 1.75      | 2.75      | 1.45       | 2.15      | 2.70      | 1.45       | 2.40      | 2.70      | 1.65       | 2.50      | 1.85       | 2.35      | 2.10       | 2.15       |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            | 1.25      | 2.25      | 0.95       | 1.65      | 2.20      | 1.00       | 1.85      | 2.20      | 1.10       | 2.00      | 1.35       | 1.85      | 1.60       | 1.65       |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 1.20      | 1.75      |            | 1.45      | 1.75      |            | 1.55      | 0.95       | 1.45      | 1.20       | 1.25       |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 0.85      | 1.40      |            | 1.05      | 1.35      |            | 1.15      |            | 1.05      | 0.80       |            |
| 32.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           | 1.05      |            | 0.85      |            |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50      | 22.20     | 17.80     | 18.80      | 20.50     | 17.80     | 18.30      | 18.30     | 17.30     | 17.60      | 16.30     | 15.00     | 16.00      | 13.00     | 13.00      | 11.00     | 10.40      | 9.00       |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | —          | —         | —         | —         | —          | —         | —         | 25         | —         | —         | 29         | —         | —         | 38         | 18        | —         | 45         | 28        | 49         | 39        | 50         | 55         |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92         | 0         | 0         | 92         | 46        | 0         | 92         | 46        | 0         | 92         | 46        | 0         | 92         | 0         | 92         | 46        | 92         | 100        |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46         | 46        | 0         | 46         | 46        | 0         | 46         | 46        | 0         | 92         | 46        | 46        | 92         | 92        | 92         | 92        | 92         | 100        |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46         | 46        | 0         | 46         | 46        | 46        | 46         | 46        | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 92         | 100        |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 92        | 46         | 46        | 92        | 46         | 46        | 92        | 46         | 92        | 92        | 46         | 92        | 92         | 92        | 92         | 100        |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0          | 46        | 92        | 0          | 46        | 92        | 46         | 92        | 92        | 46         | 92        | 92        | 46         | 92        | 46         | 92        | 92         | 100        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton  |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg      |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8          | 7         | 5         | 6          | 6         | 5         | 5          | 4         | 4         | 4          | 3         | 3         | 3          | 3         | 3          | 2         | 2          | 2          |

(Unit: Metric ton)

S

A

B

C

D

E

F

With SL jib

Without SL jib

**Specification D3**

 Outriggers intermediately extended (5.0m) over side,  
 with 7.4ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11         | 2         | 1         | 12         | 2         | 1         | 2          | 3         | 1         | 5          | 4         | 1         | 6          | 1         | 7          | 1         | 1          | 8          |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12         | 13        | 14        | 15         | 16        | 17        | 18         | 19        | 20        | 21         | 22        | 23        | 24         | 25        | 26         | 27        | 28         | 29         |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 52.35      | 51.90      | 35.00      | 51.20     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 40.05      | 39.65      | 33.30      | 39.40     | 40.40     | 35.00     | 23.70     | 39.00      | 40.45     | 35.00     | 26.30     | 37.25      | 35.00     | 25.30     |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 32.00      | 31.65      | 31.50      | 31.45     | 32.30     | 35.00     | 22.20     | 32.05      | 33.20     | 35.00     | 24.80     | 31.60      | 34.65     | 23.60     |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 22.20      | 21.90      | 23.90      | 21.75     | 22.50     | 24.95     | 19.80     | 22.25      | 23.25     | 25.30     | 22.30     | 22.95      | 25.25     | 20.90     | 23.45      | 24.85     | 22.50     |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 16.45      | 16.20      | 18.05      | 16.00     | 16.70     | 18.90     | 17.80     | 16.50      | 17.40     | 19.30     | 19.80     | 17.10      | 19.20     | 18.70     | 17.80      | 18.90     | 20.30     | 18.45      | 19.45     | 18.00     |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 12.65      | 12.40      | 14.15      | 12.30     | 12.95     | 15.00     | 15.05     | 12.70      | 13.55     | 15.30     | 15.80     | 13.30      | 15.25     | 16.00     | 13.90      | 14.95     | 16.25     | 14.55      | 15.45     | 16.15     | 14.60      | 15.75     | 15.00     | 14.80      | 13.00     |            |           |            |            |
| 9.0                                       | 9.95       | 9.75       | 11.35      | 9.60      | 10.25     | 12.20     | 12.25     | 10.00      | 10.85     | 12.50     | 12.95     | 10.55      | 12.45     | 13.15     | 11.15      | 12.10     | 13.40     | 11.80      | 12.65     | 13.30     | 11.80      | 12.90     | 13.25     | 12.00      | 13.00     | 12.20      | 11.00     |            |            |
| 10.0                                      |            | 7.75       | 9.30       | 7.60      | 8.20      | 10.15     | 10.15     | 8.00       | 8.80      | 10.40     | 10.80     | 8.55       | 10.30     | 11.00     | 9.15       | 10.05     | 11.25     | 9.75       | 10.55     | 11.15     | 9.75       | 10.80     | 11.20     | 9.95       | 11.00     | 10.20      | 10.80     | 10.40      |            |
| 11.0                                      |            | 6.20       | 7.70       | 6.10      | 6.65      | 8.50      | 8.55      | 6.50       | 7.20      | 8.75      | 9.20      | 7.00       | 8.75      | 9.40      | 7.55       | 8.45      | 9.60      | 8.10       | 8.90      | 9.55      | 8.15       | 9.15      | 9.50      | 8.30       | 9.30      | 8.60       | 9.20      | 8.90       | 8.95       |
| 12.0                                      |            | 4.95       | 6.45       | 4.85      | 5.45      | 7.20      | 7.25      | 5.25       | 5.95      | 7.50      | 7.90      | 5.75       | 7.45      | 8.10      | 6.30       | 7.15      | 8.30      | 6.85       | 7.65      | 8.25      | 6.85       | 7.85      | 8.20      | 7.05       | 8.05      | 7.30       | 7.85      | 7.60       | 7.60       |
| 14.0                                      |            |            |            | 3.00      | 3.60      | 5.30      | 5.30      | 3.40       | 4.10      | 5.55      | 5.95      | 3.90       | 5.50      | 6.15      | 4.40       | 5.25      | 6.30      | 4.95       | 5.70      | 6.25      | 4.95       | 5.95      | 6.25      | 5.15       | 6.10      | 5.40       | 5.90      | 5.65       | 5.70       |
| 16.0                                      |            |            |            | 1.70      | 2.25      | 3.90      | 3.95      | 2.10       | 2.75      | 4.20      | 4.60      | 2.55       | 4.15      | 4.70      | 3.05       | 3.90      | 4.95      | 3.60       | 4.35      | 4.85      | 3.65       | 4.55      | 4.85      | 3.75       | 4.70      | 4.00       | 4.55      | 4.30       | 4.35       |
| 18.0                                      |            |            |            |           |           |           |           | 1.10       | 1.80      | 3.15      | 3.55      | 1.55       | 3.10      | 3.70      | 2.10       | 2.90      | 3.85      | 2.60       | 3.30      | 3.80      | 2.60       | 3.50      | 3.80      | 2.75       | 3.65      | 3.00       | 3.55      | 3.25       | 3.30       |
| 20.0                                      |            |            |            |           |           |           |           |            | 1.00      | 2.35      | 2.75      |            | 2.35      | 2.90      | 1.30       | 2.10      | 3.05      | 1.80       | 2.50      | 3.00      | 1.80       | 2.70      | 3.00      | 1.95       | 2.85      | 2.20       | 2.75      | 2.45       | 2.45       |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           |            | 1.70      | 2.25      |            | 1.45      | 2.40      | 1.20       | 1.85      | 2.35      | 1.20       | 2.10      | 2.35      | 1.30       | 2.20      | 1.55       | 2.10      | 1.80       | 1.85       |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            | 0.95      | 1.90      |            | 1.35      | 1.85      |            | 1.55      | 1.85      |            | 1.65      |            | 1.55      | 1.30       | 1.35       |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           | 1.45      |            | 0.90      | 1.40      |            | 1.10      | 1.40      |            | 1.25      |            | 1.10      |            |            |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           | 1.05      |            |           | 1.05      |            | 0.85      |            |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50      | 22.20     | 17.80     | 18.80      | 20.50     | 17.80     | 18.30      | 18.30     | 17.30     | 14.60      | 15.75     | 15.00     | 14.80      | 13.00     | 12.20      | 11.00     | 10.40      | 8.95       |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | 25         | —         | —         | —         | 37         | —         | —         | 38         | 24        | —         | 41         | 29        | —         | 50         | 35        | 28        | 54         | 41        | 57         | 50        | 58         | 62         |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92         | 0         | 0         | 92         | 46        | 0         | 92         | 46        | 0         | 92         | 46        | 0         | 92         | 0         | 92         | 46        | 92         | 100        |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46         | 46        | 0         | 46         | 46        | 0         | 46         | 46        | 0         | 92         | 46        | 46        | 92         | 92        | 92         | 92        | 92         | 100        |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46         | 46        | 0         | 46         | 46        | 46        | 46         | 46        | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 92         | 100        |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 92        | 46         | 46        | 92        | 46         | 46        | 92        | 46         | 92        | 92        | 46         | 92        | 92         | 92        | 92         | 100        |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0          | 46        | 92        | 0          | 46        | 92        | 46         | 92        | 92        | 46         | 92        | 92        | 46         | 92        | 46         | 92        | 92         | 100        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton  |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg      |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8          | 7         | 5         | 6          | 6         | 5         | 5          | 4         | 4         | 4          | 3         | 3         | 3          | 3         | 3          | 2         | 2          | 2          |

(Unit: Metric ton)



**Specification D4**

Outriggers intermediately extended (4.2m) over side,  
with 7.4ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1          | 10        | 11        | 2         | 1          | 11        | 2         | 1          | 12        | 2         | 1          | 2         | 3         | 1          | 5         | 4         | 1          | 6         | 1          | 7         | 1          | 1          | 8   |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|-----|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7          | 8         | 9         | 10        | 11         | 12        | 13        | 14         | 15        | 16        | 17         | 18        | 19        | 20         | 21        | 22        | 23         | 24        | 25         | 26        | 27         | 28         | 29  |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |     |
| 2.5                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |     |
| 3.0                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |     |
| 3.5                                       | 50.80      | 50.35      | 35.00      | 46.85     | 48.10     | 35.00     | 27.30      |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |     |
| 4.0                                       | 37.95      | 37.55      | 35.00      | 37.30     | 38.25     | 35.00     | 25.40      | 35.15     | 36.55     | 35.00     | 28.00      |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |     |
| 4.5                                       | 29.85      | 29.50      | 31.75      | 29.30     | 30.15     | 32.85     | 23.70      | 29.25     | 30.55     | 33.30     | 26.30      | 28.20     | 31.10     | 25.30      |           |           |            |           |           |            |           |           |            |           |            |           |            |            |     |
| 5.0                                       | 24.25      | 23.95      | 26.05      | 23.75     | 24.55     | 27.05     | 22.20      | 24.30     | 25.30     | 27.45     | 24.80      | 24.10     | 26.90     | 23.60      |           |           |            |           |           |            |           |           |            |           |            |           |            |            |     |
| 6.0                                       | 17.15      | 16.85      | 18.70      | 16.70     | 17.35     | 19.65     | 19.65      | 17.15     | 18.10     | 19.95     | 20.50      | 17.80     | 19.90     | 20.70      | 18.20     | 19.55     | 20.95      |           |           |            |           |           |            |           |            |           |            |            |     |
| 7.0                                       | 12.75      | 12.50      | 14.20      | 12.30     | 12.95     | 15.05     | 15.10      | 12.75     | 13.60     | 15.35     | 15.85      | 13.35     | 15.30     | 16.05      | 14.00     | 14.95     | 16.25      | 14.60     | 15.55     | 16.20      |           |           |            |           |            |           |            |            |     |
| 8.0                                       | 9.70       | 9.50       | 11.15      | 9.40      | 10.00     | 11.95     | 12.00      | 9.80      | 10.60     | 12.25     | 12.70      | 10.30     | 12.20     | 12.90      | 10.90     | 11.90     | 13.15      | 11.55     | 12.35     | 13.05      | 11.60     | 12.65     | 13.05      | 11.70     | 12.75      |           |            |            |     |
| 9.0                                       | 7.55       | 7.40       | 8.90       | 7.20      | 7.80      | 9.70      | 9.70       | 7.65      | 8.40      | 10.00     | 10.40      | 8.15      | 9.90      | 10.60      | 8.75      | 9.65      | 10.80      | 9.35      | 10.15     | 10.75      | 9.35      | 10.40     | 10.75      | 9.55      | 10.55      | 9.60      | 10.40      |            |     |
| 10.0                                      |            | 5.75       | 7.25       | 5.60      | 6.20      | 8.05      | 8.05       | 6.00      | 6.80      | 8.25      | 8.70       | 6.55      | 8.25      | 8.85       | 7.10      | 8.00      | 9.10       | 7.65      | 8.45      | 9.05       | 7.65      | 8.70      | 9.00       | 7.85      | 8.85       | 8.10      | 8.70       | 8.40       |     |
| 11.0                                      |            | 4.50       | 5.95       | 4.35      | 4.90      | 6.70      | 6.75       | 4.75      | 5.50      | 6.95      | 7.35       | 5.25      | 6.90      | 7.55       | 5.80      | 6.65      | 7.75       | 6.30      | 7.10      | 7.70       | 6.35      | 7.35      | 7.65       | 6.55      | 7.50       | 6.75      | 7.35       | 7.10       |     |
| 12.0                                      |            | 3.45       | 4.90       | 3.30      | 3.90      | 5.65      | 5.65       | 3.70      | 4.45      | 5.90      | 6.30       | 4.20      | 5.85      | 6.45       | 4.75      | 5.60      | 6.70       | 5.25      | 6.00      | 6.60       | 5.30      | 6.25      | 6.60       | 5.45      | 6.40       | 5.70      | 6.30       | 6.00       |     |
| 14.0                                      |            |            |            | 1.80      | 2.30      | 4.05      | 4.05       | 2.20      | 2.90      | 4.25      | 4.65       | 2.65      | 4.20      | 4.80       | 3.15      | 3.95      | 5.05       | 3.65      | 4.40      | 4.95       | 3.70      | 4.60      | 4.95       | 3.85      | 4.75       | 4.10      | 4.65       | 4.35       |     |
| 16.0                                      |            |            |            |           | 1.20      | 2.90      | 2.90       | 1.00      | 1.75      | 3.10      | 3.50       | 1.55      | 3.05      | 3.65       | 2.00      | 2.80      | 3.85       | 2.50      | 3.25      | 3.80       | 2.55      | 3.45      | 3.75       | 2.70      | 3.60       | 2.95      | 3.45       | 3.20       |     |
| 18.0                                      |            |            |            |           |           |           |            |           |           | 2.25      | 2.60       |           | 2.20      | 2.75       | 1.15      | 1.95      | 2.95       | 1.70      | 2.35      | 2.90       | 1.70      | 2.60      | 2.90       | 1.85      | 2.70       | 2.05      | 2.60       | 2.35       |     |
| 20.0                                      |            |            |            |           |           |           |            |           |           | 1.60      | 1.95       |           | 1.50      | 2.05       |           | 1.30      | 2.30       |           | 1.65      | 2.20       |           | 1.90      | 2.20       |           | 2.05       |           | 1.90       | 1.65       |     |
| 22.0                                      |            |            |            |           |           |           |            |           |           |           |            |           | 1.00      | 1.50       |           |           | 1.70       |           | 1.15      | 1.65       |           | 1.35      | 1.65       |           | 1.50       |           | 1.35       |            |     |
| 24.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           | 1.25       |           |           | 1.20       |           | 0.90      | 1.20       |           | 1.05       |           |            |            |     |
| 26.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           | 0.90       |           |           | 0.80       |           |           | 0.80       |           |            |           |            |            |     |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30      | 19.90     | 21.60     | 23.40     | 18.30      | 19.50     | 22.20     | 17.80      | 18.20     | 19.55     | 17.80      | 14.60     | 15.55     | 16.20      | 11.60     | 12.65     | 13.05      | 11.70     | 12.75      | 9.60      | 10.40      | 8.40       |     |
| Min. boom angle (°)                       | —          | —          | —          | 23        | —         | —         | —          | 38        | 28        | —         | —          | 46        | —         | —          | 49        | 37        | —          | 51        | 40        | 31         | 58        | 45        | 40         | 61        | 51         | 63        | 58         | 64         |     |
| Telescoping conditions ( % )              |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |     |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0          | 92        | 46        | 0         | 0          | 92        | 0         | 0          | 92        | 46        | 0          | 92        | 46        | 0          | 92        | 46        | 0          | 92        | 0          | 92        | 46         | 92         | 100 |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0          | 46        | 46        | 0         | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 92        | 46        | 46         | 92        | 92         | 92        | 92         | 92         | 100 |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 46         | 46        | 46        | 92         | 46        | 46        | 92         | 92        | 92         | 92        | 92         | 92         | 100 |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0          | 0         | 0         | 46        | 46         | 0         | 46        | 92         | 46        | 46        | 92         | 46        | 46        | 92         | 46        | 92        | 92         | 46        | 92         | 92        | 92         | 92         | 100 |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92         | 0         | 0         | 46        | 92         | 0         | 46        | 92         | 0         | 46        | 92         | 46        | 92        | 92         | 46        | 92        | 92         | 46        | 92         | 46        | 92         | 92         | 100 |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton  |     |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg      |     |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6          | 9         | 9         | 7         | 6          | 8         | 7         | 5          | 6         | 6         | 5          | 5         | 4         | 4          | 4         | 3         | 3          | 3         | 3          | 3         | 2          | 2          | 2   |

(Unit: Metric ton)

**Specification E1**

Outriggers fully extended (7.2m) 360° full range,  
without counterweight

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11         | 2         | 1         | 12         | 2         | 1         | 2          | 3         | 1         | 5          | 4         | 1         | 6          | 1         | 7          | 1         | 1          | 8          |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12         | 13        | 14        | 15         | 16        | 17        | 18         | 19        | 20        | 21         | 22        | 23        | 24         | 25        | 26         | 27        | 28         | 29         |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 50.25      | 50.05      | 35.00      | 49.90     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 43.90      | 43.70      | 33.30      | 43.55     | 44.10     | 35.00     | 23.70     | 43.90      | 44.55     | 35.00     | 26.30     | 41.00      | 35.00     | 25.30     |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 38.85      | 38.65      | 31.50      | 38.50     | 39.05     | 35.00     | 22.20     | 38.80      | 39.50     | 35.00     | 24.80     | 39.30      | 35.00     | 23.60     |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 30.55      | 30.15      | 28.60      | 29.95     | 30.90     | 32.30     | 19.80     | 30.60      | 31.90     | 33.40     | 22.30     | 31.55      | 33.25     | 20.90     | 31.10      | 30.00     | 22.50     |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 21.25      | 20.95      | 23.20      | 20.75     | 21.60     | 24.35     | 17.80     | 21.30      | 22.45     | 24.75     | 20.20     | 22.10      | 24.65     | 18.70     | 22.90      | 24.25     | 20.30     | 23.80      | 21.00     | 18.00     |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 15.75      | 15.45      | 17.50      | 15.30     | 16.05     | 18.55     | 16.20     | 15.85      | 16.85     | 18.90     | 18.50     | 16.50      | 18.80     | 16.90     | 17.25      | 18.45     | 18.40     | 18.05      | 19.10     | 17.00     | 18.10      | 16.30     | 15.00     | 16.00      | 13.00     |            |           |            |            |
| 9.0                                       | 12.05      | 11.85      | 13.70      | 11.70     | 12.40     | 14.70     | 14.75     | 12.20      | 13.15     | 15.05     | 15.60     | 12.85      | 14.95     | 15.40     | 13.55      | 14.65     | 16.05     | 14.20      | 15.20     | 15.40     | 14.30      | 15.55     | 15.00     | 14.50      | 13.00     | 13.00      | 11.00     |            |            |
| 10.0                                      |            | 9.25       | 11.05      | 9.15      | 9.80      | 11.95     | 12.00     | 9.60       | 10.50     | 12.30     | 12.80     | 10.20      | 12.25     | 13.00     | 10.85      | 11.90     | 13.25     | 11.55      | 12.45     | 13.15     | 11.55      | 12.75     | 13.15     | 11.75      | 12.95     | 12.05      | 11.00     | 10.40      |            |
| 11.0                                      |            | 7.35       | 9.05       | 7.20      | 7.85      | 9.95      | 9.95      | 7.65       | 8.50      | 10.25     | 10.70     | 8.25       | 10.15     | 10.95     | 8.85       | 9.90      | 11.15     | 9.50       | 10.40     | 11.10     | 9.50       | 10.70     | 11.10     | 9.75       | 10.85     | 10.00      | 10.65     | 10.40      | 9.00       |
| 12.0                                      |            | 5.85       | 7.50       | 5.70      | 6.35      | 8.35      | 8.40      | 6.15       | 7.00      | 8.60      | 9.10      | 6.70       | 8.60      | 9.30      | 7.35       | 8.25      | 9.55      | 7.95       | 8.80      | 9.45      | 7.95       | 9.05      | 9.40      | 8.15       | 9.25      | 8.45       | 9.05      | 8.75       | 8.80       |
| 14.0                                      |            |            |            | 3.55      | 4.15      | 6.05      | 6.05      | 4.00       | 4.80      | 6.35      | 6.80      | 4.55       | 6.30      | 6.95      | 5.10       | 6.00      | 7.15      | 5.65       | 6.50      | 7.10      | 5.70       | 6.75      | 7.10      | 5.90       | 6.90      | 6.15       | 6.70      | 6.45       | 6.45       |
| 16.0                                      |            |            |            | 2.05      | 2.65      | 4.50      | 4.50      | 2.45       | 3.25      | 4.70      | 5.15      | 3.00       | 4.70      | 5.35      | 3.55       | 4.40      | 5.55      | 4.10       | 4.90      | 5.50      | 4.15       | 5.10      | 5.45      | 4.30       | 5.25      | 4.55       | 5.10      | 4.85       | 4.90       |
| 18.0                                      |            |            |            |           |           |           |           | 1.35       | 2.10      | 3.60      | 4.00      | 1.90       | 3.50      | 4.15      | 2.40       | 3.25      | 4.35      | 2.95       | 3.70      | 4.25      | 2.95       | 3.95      | 4.25      | 3.15       | 4.10      | 3.35       | 3.95      | 3.65       | 3.75       |
| 20.0                                      |            |            |            |           |           |           |           |            | 1.25      | 2.70      | 3.05      | 1.05       | 2.65      | 3.25      | 1.55       | 2.35      | 3.45      | 2.05       | 2.80      | 3.40      | 2.10       | 3.05      | 3.35      | 2.25       | 3.20      | 2.50       | 3.05      | 2.80       | 2.80       |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           |            | 1.95      | 2.55      | 0.85       | 1.70      | 2.75      | 1.40       | 2.15      | 2.70      | 1.40       | 2.35      | 2.65      | 1.60       | 2.50      | 1.80       | 2.35      | 2.05       | 2.10       |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            | 1.15      | 2.15      | 0.80       | 1.55      | 2.10      | 0.85       | 1.80      | 2.05      | 1.00       | 1.90      | 1.25       | 1.80      | 1.55       | 1.55       |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           | 1.65      |            | 1.10      | 1.60      |            | 1.30      | 1.60      |            | 1.40      |            | 1.30      | 1.05       |            |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 1.25      |           | 0.90       | 1.20      |           | 1.05       |           | 0.90       |           |            |            |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           | 0.85      |            |           | 0.85      |            |           |            |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50      | 22.20     | 17.80     | 18.80      | 20.50     | 17.80     | 18.30      | 18.30     | 17.30     | 17.60      | 16.30     | 15.00     | 16.00      | 13.00     | 13.00      | 11.00     | 10.40      | 9.00       |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | 19         | —         | —         | —         | 31         | —         | —         | 34         | —         | —         | 38         | 31        | —         | 47         | 30        | 21        | 52         | 40        | 55         | 46        | 56         | 60         |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92         | 0         | 0         | 92         | 46        | 0         | 92         | 46        | 0         | 92         | 46        | 0         | 92         | 0         | 92         | 46        | 92         | 100        |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46         | 46        | 0         | 46         | 46        | 0         | 46         | 46        | 0         | 92         | 46        | 46        | 92         | 92        | 92         | 92        | 92         | 100        |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46         | 46        | 0         | 46         | 46        | 46        | 46         | 46        | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 92         | 100        |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 92        | 46         | 46        | 92        | 46         | 46        | 92        | 46         | 92        | 92        | 46         | 92        | 92         | 92        | 92         | 100        |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0          | 46        | 92        | 0          | 46        | 92        | 46         | 92        | 92        | 46         | 92        | 92        | 46         | 92        | 46         | 92        | 92         | 100        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton  |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg      |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8          | 7         | 5         | 6          | 6         | 5         | 5          | 4         | 4         | 4          | 3         | 3         | 3          | 3         | 3          | 2         | 2          | 2          |

(Unit: Metric ton)



**Specification E2**

Outriggers intermediately extended (6.0m) over side,  
without counterweight

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11        | 2          | 1         | 12        | 2          | 1         | 2         | 3          | 1         | 5         | 4          | 1         | 6         | 1          | 7         | 1          | 1         | 8          |            |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12        | 13         | 14        | 15        | 16         | 17        | 18        | 19         | 20        | 21        | 22         | 23        | 24        | 25         | 26        | 27         | 28        | 29         |            |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 50.25      | 50.05      | 35.00      | 49.90     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 41.50      | 41.05      | 33.30      | 40.80     | 41.95     | 35.00     | 23.70     | 39.25      | 40.95     | 35.00     | 26.30     | 37.15     | 35.00      | 25.30     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 31.75      | 31.40      | 31.50      | 31.15     | 32.15     | 35.00     | 22.20     | 31.80      | 33.20     | 35.00     | 24.80     | 30.70     | 34.20      | 23.60     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 20.85      | 20.45      | 22.75      | 20.30     | 21.10     | 23.90     | 19.80     | 20.85      | 22.00     | 24.30     | 22.30     | 21.60     | 24.20      | 20.90     | 21.95     | 23.70      | 22.50     |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 14.80      | 14.50      | 16.55      | 14.35     | 15.10     | 17.55     | 17.60     | 14.85      | 15.85     | 17.90     | 18.50     | 15.55     | 17.80      | 18.70     | 16.30     | 17.45      | 19.00     | 17.05     | 18.10      | 18.00     |           |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 11.00      | 10.75      | 12.60      | 10.60     | 11.30     | 13.55     | 13.55     | 11.10      | 12.00     | 13.85     | 14.40     | 11.70     | 13.80      | 14.60     | 12.40     | 13.45      | 14.85     | 13.10     | 14.05      | 14.80     | 13.10     | 14.35      | 14.80     | 13.35     | 13.00      |           |            |           |            |            |
| 9.0                                       | 8.35       | 8.15       | 9.90       | 8.00      | 8.65      | 10.80     | 10.80     | 8.50       | 9.35      | 11.10     | 11.60     | 9.05      | 11.00      | 11.80     | 9.70      | 10.70      | 12.00     | 10.35     | 11.25      | 11.95     | 10.35     | 11.55      | 11.95     | 10.60     | 11.75      | 10.75     | 11.00      |           |            |            |
| 10.0                                      |            | 6.30       | 7.95       | 6.10      | 6.75      | 8.80      | 8.80      | 6.55       | 7.40      | 9.05      | 9.55      | 7.15      | 9.00       | 9.75      | 7.75      | 8.70       | 9.95      | 8.35      | 9.25       | 9.90      | 8.40      | 9.50       | 9.90      | 8.60      | 9.70       | 8.85      | 9.50       | 9.20      |            |            |
| 11.0                                      |            | 4.80       | 6.40       | 4.70      | 5.30      | 7.20      | 7.30      | 5.10       | 5.90      | 7.50      | 8.00      | 5.65      | 7.45       | 8.15      | 6.25      | 7.15       | 8.35      | 6.85      | 7.65       | 8.30      | 6.85      | 7.90       | 8.30      | 7.05      | 8.10       | 7.30      | 7.90       | 7.65      | 7.70       |            |
| 12.0                                      |            | 3.70       | 5.25       | 3.55      | 4.15      | 6.05      | 6.05      | 3.95       | 4.75      | 6.30      | 6.70      | 4.45      | 6.25       | 6.90      | 5.05      | 5.95       | 7.15      | 5.65      | 6.45       | 7.05      | 5.70      | 6.70       | 7.05      | 5.85      | 6.85       | 6.10      | 6.70       | 6.40      | 6.45       |            |
| 14.0                                      |            |            |            | 1.85      | 2.45      | 4.20      | 4.25      | 2.25       | 3.00      | 4.50      | 4.95      | 2.75      | 4.45       | 5.10      | 3.30      | 4.20       | 5.30      | 3.85      | 4.65       | 5.25      | 3.90      | 4.90       | 5.25      | 4.10      | 5.05       | 4.35      | 4.90       | 4.60      | 4.65       |            |
| 16.0                                      |            |            |            |           | 1.20      | 3.00      | 3.00      | 1.05       | 1.80      | 3.25      | 3.65      | 1.55      | 3.20       | 3.80      | 2.10      | 2.95       | 4.00      | 2.65      | 3.35       | 3.95      | 2.65      | 3.60       | 3.95      | 2.80      | 3.80       | 3.05      | 3.65       | 3.35      | 3.40       |            |
| 18.0                                      |            |            |            |           |           |           |           |            | 0.90      | 2.35      | 2.70      |           | 2.25       | 2.85      | 1.20      | 2.00       | 3.05      | 1.70      | 2.45       | 3.00      | 1.75      | 2.65       | 3.00      | 1.90      | 2.80       | 2.15      | 2.70       | 2.45      | 2.45       |            |
| 20.0                                      |            |            |            |           |           |           |           |            |           | 1.60      | 2.00      |           | 1.55       | 2.10      |           | 1.30       | 2.35      | 1.00      | 1.70       | 2.25      |           | 1.95       | 2.25      |           | 2.05       |           | 1.95       | 1.70      | 1.70       |            |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           |           | 0.95       | 1.55      |           |            | 1.75      |           | 1.15       | 1.70      |           | 1.40       | 1.70      |           | 1.50       |           | 1.40       |           |            |            |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            | 1.30      |           |            | 1.25      |           | 0.90       | 1.20      |           | 1.00       |           |            |           |            |            |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            | 0.90      |           |            | 0.80      |           |            | 0.85      |           |            |           |            |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50     | 22.20      | 17.80     | 18.80     | 20.50      | 17.80     | 17.05     | 18.10      | 17.30     | 13.10     | 14.35      | 14.80     | 13.35     | 13.00      | 10.75     | 11.00      | 9.20      | 7.70       |            |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | 36         | 26        | —         | —         | 45        | —          | —         | 48        | 41         | —         | 51        | 39         | 28        | 57        | 44         | 38        | 61        | 50         | 63        | 57         | 64        | 67         |            |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92        | 0          | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 0          | 92        | 46         | 92        | 100        |            |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46        | 46         | 0         | 46        | 46         | 46        | 46        | 46         | 92        | 46        | 46         | 92        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0         | 46         | 92        | 46        | 46         | 92        | 46        | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 92         | 92        | 100        |            |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0         | 46         | 92        | 0         | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 46        | 92         | 46        | 92         | 92        | 100        |            |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 37ton | for 37ton | for 37ton | for 55ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      |            |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8         | 7          | 5         | 6         | 6          | 5         | 5         | 4          | 4         | 4         | 3          | 3         | 3         | 3          | 3         | 2          | 2         | 2          |            |

(Unit: Metric ton)

S

A

B

C

D

E

F

With SL jib

Without SL jib

**Specification E3**

Outriggers intermediately extended (5.0m) over side,  
without counterweight

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11         | 2         | 1         | 12         | 2         | 1         | 2          | 3         | 1         | 5          | 4         | 1          | 6         | 1          | 7         | 1          | 1          | 8  |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|------------|----|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12         | 13        | 14        | 15         | 16        | 17        | 18         | 19        | 20        | 21         | 22        | 23         | 24        | 25         | 26        | 27         | 28         | 29 |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |    |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |            |    |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |            |    |
| 3.5                                       | 52.40      | 51.90      | 35.00      | 46.15     | 47.70     | 35.00     | 27.30     |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |            |    |
| 4.0                                       | 36.70      | 36.25      | 35.00      | 35.45     | 36.80     | 35.00     | 25.40     | 32.95      | 34.55     | 35.00     | 28.00     |            |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |            |    |
| 4.5                                       | 27.70      | 27.35      | 29.90      | 27.10     | 28.05     | 31.20     | 23.70     | 26.70      | 28.15     | 31.25     | 26.30     | 25.65      | 28.95     | 25.30     |            |           |           |            |           |           |            |           |            |           |            |           |            |            |    |
| 5.0                                       | 21.85      | 21.50      | 23.80      | 21.30     | 22.15     | 25.00     | 22.20     | 21.90      | 23.05     | 25.40     | 24.80     | 21.50      | 24.55     | 23.60     |            |           |           |            |           |           |            |           |            |           |            |           |            |            |    |
| 6.0                                       | 14.70      | 14.40      | 16.40      | 14.25     | 15.00     | 17.40     | 17.45     | 14.70      | 15.75     | 17.75     | 18.35     | 15.40      | 17.70     | 18.60     | 15.75      | 17.30     | 18.85     |            |           |           |            |           |            |           |            |           |            |            |    |
| 7.0                                       | 10.50      | 10.20      | 12.05      | 10.05     | 10.75     | 12.95     | 13.00     | 10.55      | 11.45     | 13.30     | 13.80     | 11.15      | 13.20     | 14.05     | 11.80      | 12.90     | 14.30     | 12.40      | 13.45     | 14.25     |            |           |            |           |            |           |            |            |    |
| 8.0                                       | 7.70       | 7.45       | 9.20       | 7.35      | 8.00      | 10.05     | 10.10     | 7.75       | 8.60      | 10.35     | 10.85     | 8.35       | 10.30     | 11.05     | 8.95       | 10.00     | 11.30     | 9.65       | 10.50     | 11.25     | 9.60       | 10.80     | 11.20      | 9.70      | 10.85      |           |            |            |    |
| 9.0                                       | 5.70       | 5.50       | 7.15       | 5.40      | 6.00      | 7.95      | 8.00      | 5.80       | 6.60      | 8.25      | 8.70      | 6.35       | 8.20      | 8.90      | 6.95       | 7.90      | 9.15      | 7.60       | 8.40      | 9.10      | 7.60       | 8.70      | 9.05       | 7.75      | 8.85       | 7.80      | 8.65       |            |    |
| 10.0                                      |            | 4.05       | 5.65       | 3.90      | 4.50      | 6.40      | 6.45      | 4.35       | 5.10      | 6.70      | 7.15      | 4.85       | 6.65      | 7.35      | 5.45       | 6.35      | 7.55      | 6.05       | 6.85      | 7.50      | 6.05       | 7.10      | 7.50       | 6.25      | 7.25       | 6.45      | 7.10       | 6.85       |    |
| 11.0                                      |            | 2.95       | 4.45       | 2.80      | 3.40      | 5.25      | 5.25      | 3.20       | 4.00      | 5.50      | 5.90      | 3.75       | 5.45      | 6.10      | 4.30       | 5.20      | 6.30      | 4.85       | 5.65      | 6.25      | 4.85       | 5.90      | 6.25       | 5.05      | 6.05       | 5.30      | 5.90       | 5.65       |    |
| 12.0                                      |            | 2.00       | 3.50       | 1.90      | 2.45      | 4.30      | 4.30      | 2.30       | 3.05      | 4.55      | 4.95      | 2.80       | 4.50      | 5.15      | 3.35       | 4.20      | 5.35      | 3.90       | 4.65      | 5.30      | 3.95       | 4.90      | 5.25       | 4.10      | 5.05       | 4.35      | 4.90       | 4.65       |    |
| 14.0                                      |            |            |            |           | 1.15      | 2.85      | 2.90      |            | 1.65      | 3.10      | 3.50      |            | 3.05      | 3.70      | 1.95       | 2.80      | 3.90      | 2.50       | 3.25      | 3.85      | 2.55       | 3.50      | 3.80       | 2.70      | 3.65       | 2.95      | 3.45       | 3.25       |    |
| 16.0                                      |            |            |            |           |           | 1.85      | 1.90      |            |           | 2.10      | 2.50      |            | 2.05      | 2.65      |            | 1.80      | 2.85      | 1.50       | 2.25      | 2.80      |            | 2.45      | 2.75       |           | 2.60       |           | 2.45       | 2.20       |    |
| 18.0                                      |            |            |            |           |           |           |           |            |           | 1.35      | 1.70      |            | 1.25      | 1.90      |            | 1.05      | 2.05      |            | 1.50      | 2.00      |            | 1.70      | 2.00       |           | 1.85       |           | 1.70       |            |    |
| 20.0                                      |            |            |            |           |           |           |           |            |           |           | 1.15      |            |           | 1.25      |            |           | 1.45      |            |           | 1.40      |            | 1.05      | 1.40       |           | 1.20       |           |            |            |    |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           | 0.80      |            |           | 1.00      |            |           | 0.95      |            |           | 0.90       |           |            |           |            |            |    |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50      | 22.20     | 17.80     | 15.75      | 17.30     | 17.80     | 12.40      | 13.45     | 14.25     | 9.60       | 10.80     | 11.20      | 9.70      | 10.85      | 7.80      | 8.65       | 6.85       |    |
| Min. boom angle (°)                       | —          | —          | —          | 37        | 29        | —         | —         | 49         | 41        | —         | —         | 56         | 32        | —         | 58         | 49        | 29        | 59         | 51        | 41        | 64         | 55        | 50         | 67        | 59         | 69        | 64         | 69         |    |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |            |    |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92         | 0         | 0         | 92         | 46        | 0         | 92         | 46        | 0         | 92         | 46        | 0          | 92        | 0          | 92        | 46         | 92         |    |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46         | 46        | 0         | 46         | 46        | 0         | 46         | 46        | 0         | 92         | 46        | 46         | 92        | 92         | 92        | 92         | 92         |    |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46         | 46        | 0         | 46         | 46        | 46        | 46         | 46        | 92        | 46         | 46        | 92         | 92        | 92         | 92        | 92         | 92         |    |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 92        | 46         | 46        | 92        | 46         | 46        | 92        | 46         | 92        | 92         | 46        | 92         | 92        | 92         | 92         |    |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0          | 46        | 92        | 0          | 46        | 92        | 46         | 92        | 92        | 46         | 92        | 92         | 46        | 92         | 46        | 92         | 92         |    |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton  |    |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg      |    |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8          | 7         | 5         | 6          | 6         | 5         | 5          | 4         | 4         | 4          | 3         | 3          | 3         | 3          | 2         | 2          | 2          |    |

(Unit: Metric ton)


**Specification E4**

Outriggers intermediately extended (4.2m) over side,  
without counterweight

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1          | 10        | 11        | 2         | 1          | 11        | 2         | 1          | 12        | 2         | 1          | 2         | 3         | 1          | 5         | 4         | 1          | 6         | 1          | 7         | 1          | 1          | 8    |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7          | 8         | 9         | 10        | 11         | 12        | 13        | 14         | 15        | 16        | 17         | 18        | 19        | 20         | 21        | 22        | 23         | 24        | 25         | 26        | 27         | 28         | 29   |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |      |
| 2.5                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 3.0                                       | 51.85      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 3.5                                       | 34.90      | 34.45      | 35.00      | 31.60     | 32.90     | 35.00     | 27.30      |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 4.0                                       | 25.65      | 25.25      | 27.75      | 24.80     | 26.00     | 29.05     | 25.40      | 23.35     | 24.75     | 27.70     | 28.00      |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 4.5                                       | 19.85      | 19.50      | 21.70      | 19.30     | 20.15     | 22.85     | 22.95      | 19.10     | 20.40     | 23.15     | 23.90      | 18.60     | 21.50     | 22.75      |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 5.0                                       | 15.85      | 15.50      | 17.60      | 15.35     | 16.10     | 18.60     | 18.70      | 15.90     | 16.90     | 19.00     | 19.60      | 15.60     | 18.40     | 19.60      |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 6.0                                       | 10.70      | 10.40      | 12.25      | 10.25     | 10.95     | 13.20     | 13.25      | 10.75     | 11.65     | 13.55     | 14.05      | 11.35     | 13.45     | 14.30      | 11.55     | 13.00     | 14.55      |           |           |            |           |           |            |           |            |           |            |            |      |
| 7.0                                       | 7.55       | 7.30       | 9.00       | 7.15      | 7.80      | 9.85      | 9.90       | 7.55      | 8.40      | 10.15     | 10.65      | 8.15      | 10.10     | 10.85      | 8.80      | 9.80      | 11.10      | 9.15      | 10.30     | 11.05      |           |           |            |           |            |           |            |            |      |
| 8.0                                       | 5.35       | 5.15       | 6.75       | 5.00      | 5.65      | 7.60      | 7.60       | 5.45      | 6.25      | 7.85      | 8.35       | 5.95      | 7.85      | 8.50       | 6.60      | 7.55      | 8.75       | 7.20      | 8.05      | 8.70       | 7.00      | 8.30      | 8.65       | 7.15      | 8.25       |           |            |            |      |
| 9.0                                       | 3.80       | 3.60       | 5.20       | 3.50      | 4.10      | 5.95      | 6.00       | 3.90      | 4.65      | 6.25      | 6.70       | 4.40      | 6.20      | 6.85       | 5.00      | 5.90      | 7.10       | 5.60      | 6.35      | 7.05       | 5.55      | 6.65      | 7.00       | 5.75      | 6.80       | 5.65      | 6.50       |            |      |
| 10.0                                      |            | 2.45       | 4.00       | 2.35      | 2.95      | 4.75      | 4.75       | 2.70      | 3.45      | 5.00      | 5.45       | 3.25      | 4.95      | 5.60       | 3.80      | 4.65      | 5.80       | 4.35      | 5.15      | 5.75       | 4.40      | 5.40      | 5.75       | 4.55      | 5.55       | 4.60      | 5.40       | 5.05       |      |
| 11.0                                      |            | 1.55       | 3.05       |           | 2.00      | 3.75      | 3.75       |           | 2.55      | 4.05      | 4.45       |           | 4.00      | 4.60       | 2.85      | 3.70      | 4.80       | 3.40      | 4.15      | 4.75       | 3.45      | 4.40      | 4.75       | 3.60      | 4.55       | 3.70      | 4.40       | 4.15       | 4.10 |
| 12.0                                      |            | 0.90       | 2.25       |           | 1.25      | 3.00      | 3.00       |           | 1.80      | 3.25      | 3.65       |           | 3.20      | 3.80       | 2.10      | 2.95      | 4.00       | 2.60      | 3.40      | 3.95       | 2.65      | 3.60      | 3.95       | 2.80      | 3.80       | 2.95      | 3.60       | 3.35       | 3.40 |
| 14.0                                      |            |            |            |           |           | 1.80      | 1.80       |           |           | 2.10      | 2.45       |           | 2.00      | 2.60       |           | 1.80      | 2.80       |           | 2.20      | 2.75       |           | 2.45      | 2.75       |           | 2.55       |           | 2.45       |            |      |
| 16.0                                      |            |            |            |           |           | 0.95      | 1.00       |           |           | 1.20      | 1.60       |           | 1.20      | 1.75       |           |           | 1.95       |           | 1.35      | 1.90       |           | 1.60      | 1.90       |           | 1.70       |           |            |            |      |
| 18.0                                      |            |            |            |           |           |           |            |           |           |           | 0.95       |           |           | 1.10       |           |           | 1.30       |           |           | 1.25       |           |           | 1.20       |           |            |           |            |            |      |
| 20.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           | 0.80       |           |           |            |           |           |            |           |            |           |            |            |      |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30      | 19.90     | 21.60     | 23.40     | 18.30      | 18.60     | 21.50     | 17.80      | 11.55     | 13.00     | 14.55      | 9.15      | 10.30     | 11.05      | 7.00      | 8.30      | 8.65       | 7.15      | 8.25       | 5.65      | 6.50       | 5.05       | 4.10 |
| Min. boom angle (°)                       | —          | —          | —          | 49        | 42        | —         | —          | 58        | 52        | 27        | —          | 63        | 44        | 33         | 64        | 57        | 42         | 66        | 59        | 52         | 69        | 62        | 59         | 72        | 65         | 73        | 69         | 74         | 76   |
| Telescoping conditions ( % )              |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0          | 92        | 46        | 0         | 0          | 92        | 0         | 0          | 92        | 46        | 0          | 92        | 46        | 0          | 92        | 46        | 0          | 92        | 0          | 92        | 46         | 92         |      |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0          | 46        | 46        | 0         | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 92        | 46        | 46         | 92        | 92         | 92        | 92         | 92         | 100  |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 46         | 46        | 46        | 92         | 46        | 46        | 92         | 92        | 92         | 92        | 92         | 92         | 100  |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0          | 0         | 0         | 46        | 46         | 0         | 46        | 92         | 46        | 46        | 92         | 46        | 46        | 92         | 46        | 92        | 92         | 46        | 92         | 92        | 92         | 92         | 100  |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92         | 0         | 0         | 46        | 92         | 0         | 46        | 92         | 0         | 46        | 92         | 46        | 92        | 92         | 46        | 92        | 92         | 46        | 92         | 46        | 92         | 92         | 100  |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton  |      |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg      |      |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6          | 9         | 9         | 7         | 6          | 8         | 7         | 5          | 6         | 6         | 5          | 5         | 4         | 4          | 4         | 3         | 3          | 3         | 3          | 3         | 2          | 2          | 2    |

(Unit: Metric ton)

S

A

B

C

D

E

F

With SL jib

Without SL jib

**Specification E5**

 Outriggers completely retracted (2.52m) over side,  
without counterweight

Based on ISO 4305 / Not exceed 75% of static tipping loads

|                                           |            |            |           |            |           |           |           |            |           |           |           |
|-------------------------------------------|------------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| Telescopic pattern                        | 1          | 9          | 1         | 9          | 10        | 2         | 1         | 10         | 11        | 2         | 1         |
| Boom configuration number                 | 1          | 2          | 3         | 4          | 5         | 6         | 7         | 8          | 9         | 10        | 11        |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom |           | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           |
| 2.5                                       | 25.20      |            |           |            |           |           |           |            |           |           |           |
| 3.0                                       | 18.85      |            |           |            |           |           |           |            |           |           |           |
| 3.5                                       | 14.30      | 12.15      | 14.65     | 10.20      | 11.15     | 14.10     | 14.15     |            |           |           |           |
| 4.0                                       | 10.90      | 9.60       | 11.95     | 8.00       | 8.95      | 11.70     | 11.80     | 7.55       | 8.65      | 10.90     | 11.60     |
| 4.5                                       | 8.45       | 7.60       | 9.85      | 6.30       | 7.20      | 9.85      | 9.90      | 6.00       | 7.05      | 9.25      | 9.90      |
| 5.0                                       | 6.65       | 6.05       | 8.00      | 4.95       | 5.75      | 8.35      | 8.45      | 4.75       | 5.80      | 7.90      | 8.55      |
| 6.0                                       | 4.15       | 3.75       | 5.45      |            | 3.65      | 6.10      | 6.15      |            | 3.85      | 5.85      | 6.45      |
| 7.0                                       | 2.50       |            | 3.75      |            |           | 4.40      | 4.45      |            |           | 4.35      | 4.95      |
| 8.0                                       | 1.25       |            | 2.55      |            |           | 3.20      | 3.25      |            |           | 3.25      | 3.80      |
| 9.0                                       |            |            | 1.60      |            |           | 2.35      | 2.35      |            |           | 2.35      | 2.90      |
| 10.0                                      |            |            | 0.85      |            |           | 1.60      | 1.60      |            |           | 1.65      | 2.20      |
| 11.0                                      |            |            |           |            |           |           | 1.00      |            |           |           | 1.60      |
| Maximum lifting capacity without lock pin | 25.20      | 12.15      | 14.65     | 10.20      | 11.15     | 14.10     | 14.15     | 7.55       | 8.65      | 10.90     | 11.60     |
| Min. boom angle (°)                       | 25         | 57         | 37        | 68         | 66        | 49        | 48        | 73         | 70        | 58        | 54        |
| Telescoping conditions (%)                |            |            |           |            |           |           |           |            |           |           |           |
| 2nd boom                                  | 0          | 46         | 0         | 92         | 46        | 0         | 0         | 92         | 46        | 0         | 0         |
| 3rd boom                                  | 0          | 0          | 0         | 0          | 46        | 0         | 0         | 46         | 46        | 0         | 0         |
| 4th boom                                  | 0          | 0          | 0         | 0          | 0         | 0         | 0         | 0          | 46        | 46        | 0         |
| 5th boom                                  | 0          | 0          | 0         | 0          | 0         | 46        | 0         | 0          | 0         | 46        | 46        |
| 6th boom                                  | 0          | 0          | 46        | 0          | 0         | 46        | 92        | 0          | 0         | 46        | 92        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton |
| Hook mass                                 | 630kg      | 630kg      | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     |
| Parts of line                             | 11         | 11         | 7         | 11         | 10        | 7         | 6         | 9          | 9         | 7         | 6         |

(Unit: Metric ton)


**Specification F1**

Outriggers fully extended (7.2m) 360° full range,  
with counterweight stowed in front or rear position on carrier

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1         | 9          | 10        | 2         | 1         | 10         | 11        | 2         | 1         |
|-------------------------------------------|------------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| Boom configuration number                 | 1          | 2          | 3         | 4          | 5         | 6         | 7         | 8          | 9         | 10        | 11        |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom |           | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           |
| 2.5                                       | 55.00      |            |           |            |           |           |           |            |           |           |           |
| 3.0                                       | 55.00      |            |           |            |           |           |           |            |           |           |           |
| 3.5                                       | 55.00      | 55.00      | 35.00     | 55.00      | 50.00     | 35.00     | 27.30     |            |           |           |           |
| 4.0                                       | 50.25      | 49.90      | 35.00     | 49.95      | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |
| 4.5                                       | 43.90      | 43.60      | 33.30     | 43.60      | 44.15     | 35.00     | 23.70     | 43.95      | 44.60     | 35.00     | 26.30     |
| 5.0                                       | 38.85      | 38.55      | 31.50     | 38.55      | 39.10     | 35.00     | 22.20     | 38.90      | 39.55     | 35.00     | 24.80     |
| 6.0                                       | 31.35      | 31.05      | 28.60     | 31.00      | 31.50     | 32.30     | 19.80     | 31.30      | 31.95     | 33.35     | 22.30     |
| 7.0                                       | 23.80      | 23.35      | 25.65     | 23.20      | 24.05     | 26.60     | 17.80     | 23.70      | 24.75     | 26.85     | 20.20     |
| 8.0                                       | 18.05      | 17.60      | 19.65     | 17.50      | 18.25     | 20.55     | 16.20     | 17.95      | 18.85     | 20.80     | 18.50     |
| 9.0                                       | 14.20      | 13.80      | 15.70     | 13.65      | 14.35     | 16.50     | 14.80     | 14.10      | 14.95     | 16.75     | 17.10     |
| 10.0                                      |            | 11.10      | 12.85     | 10.90      | 11.60     | 13.60     | 13.65     | 11.30      | 12.15     | 13.85     | 14.30     |
| 11.0                                      |            | 9.05       | 10.70     | 8.85       | 9.50      | 11.45     | 11.45     | 9.25       | 10.00     | 11.65     | 12.10     |
| 12.0                                      |            | 7.45       | 9.05      | 7.25       | 7.85      | 9.75      | 9.75      | 7.60       | 8.35      | 9.95      | 10.40     |
| 14.0                                      |            |            |           | 4.95       | 5.50      | 7.30      | 7.30      | 5.25       | 6.00      | 7.45      | 7.90      |
| 16.0                                      |            |            |           | 3.10       | 3.80      | 5.60      | 5.60      | 3.50       | 4.35      | 5.75      | 6.15      |
| 18.0                                      |            |            |           |            |           |           |           | 2.10       | 3.00      | 4.50      | 4.90      |
| 20.0                                      |            |            |           |            |           |           |           | 1.05       | 1.95      | 3.60      | 4.00      |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50     | 20.40      | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     |
| Min. boom angle (°)                       | —          | —          | —         | —          | —         | —         | —         | —          | —         | —         | —         |
| Telescoping conditions (%)                |            |            |           |            |           |           |           |            |           |           |           |
| 2nd boom                                  | 0          | 46         | 0         | 92         | 46        | 0         | 0         | 92         | 46        | 0         | 0         |
| 3rd boom                                  | 0          | 0          | 0         | 0          | 46        | 0         | 0         | 46         | 46        | 0         | 0         |
| 4th boom                                  | 0          | 0          | 0         | 0          | 0         | 0         | 0         | 0          | 46        | 46        | 0         |
| 5th boom                                  | 0          | 0          | 0         | 0          | 0         | 46        | 0         | 0          | 0         | 46        | 46        |
| 6th boom                                  | 0          | 0          | 46        | 0          | 0         | 46        | 92        | 0          | 0         | 46        | 92        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton |
| Hook mass                                 | 630kg      | 630kg      | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     |
| Parts of line                             | 11         | 11         | 7         | 11         | 10        | 7         | 6         | 9          | 9         | 7         | 6         |

(Unit: Metric ton)

**Specification F2**

Outriggers intermediately extended (6.0m) over side,  
with counterweight stowed in front or rear position on carrier

| Telescopic pattern                        | 1          | 9          | 1         | 9          | 10        | 2         | 1         | 10         | 11        | 2         | 1         |
|-------------------------------------------|------------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| Boom configuration number                 | 1          | 2          | 3         | 4          | 5         | 6         | 7         | 8          | 9         | 10        | 11        |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom |           | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           |
| 2.5                                       | 55.00      |            |           |            |           |           |           |            |           |           |           |
| 3.0                                       | 55.00      |            |           |            |           |           |           |            |           |           |           |
| 3.5                                       | 55.00      | 55.00      | 35.00     | 55.00      | 50.00     | 35.00     | 27.30     |            |           |           |           |
| 4.0                                       | 50.25      | 49.90      | 35.00     | 49.90      | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |
| 4.5                                       | 43.90      | 43.60      | 33.30     | 43.55      | 44.15     | 35.00     | 23.70     | 43.00      | 44.60     | 35.00     | 26.30     |
| 5.0                                       | 38.85      | 38.55      | 31.50     | 37.25      | 38.65     | 35.00     | 22.20     | 35.20      | 36.75     | 35.00     | 24.80     |
| 6.0                                       | 26.30      | 25.75      | 28.35     | 25.60      | 26.60     | 29.45     | 19.80     | 25.15      | 26.50     | 29.35     | 22.30     |
| 7.0                                       | 18.60      | 18.15      | 20.35     | 17.95      | 18.80     | 21.30     | 17.80     | 18.50      | 19.50     | 21.55     | 20.20     |
| 8.0                                       | 13.95      | 13.50      | 15.50     | 13.35      | 14.10     | 16.35     | 16.20     | 13.80      | 14.70     | 16.60     | 17.10     |
| 9.0                                       | 10.80      | 10.40      | 12.25     | 10.25      | 10.95     | 13.00     | 13.05     | 10.65      | 11.50     | 13.25     | 13.75     |
| 10.0                                      |            | 8.20       | 9.90      | 8.00       | 8.65      | 10.65     | 10.70     | 8.40       | 9.20      | 10.85     | 11.35     |
| 11.0                                      |            | 6.50       | 8.15      | 6.35       | 6.95      | 8.85      | 8.90      | 6.70       | 7.45      | 9.05      | 9.50      |
| 12.0                                      |            | 5.25       | 6.75      | 5.00       | 5.65      | 7.45      | 7.50      | 5.40       | 6.15      | 7.65      | 8.10      |
| 14.0                                      |            |            |           | 3.15       | 3.70      | 5.45      | 5.45      | 3.45       | 4.15      | 5.60      | 6.05      |
| 16.0                                      |            |            |           | 1.55       | 2.30      | 4.05      | 4.05      | 1.95       | 2.80      | 4.20      | 4.60      |
| 18.0                                      |            |            |           |            |           |           |           |            | 1.65      | 3.20      | 3.55      |
| 20.0                                      |            |            |           |            |           |           |           |            |           | 2.45      | 2.80      |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50     | 20.40      | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     |
| Min. boom angle (°)                       | —          | —          | —         | —          | —         | —         | —         | 29         | 17        | —         | —         |
| Telescoping conditions (%)                |            |            |           |            |           |           |           |            |           |           |           |
| 2nd boom                                  | 0          | 46         | 0         | 92         | 46        | 0         | 0         | 92         | 46        | 0         | 0         |
| 3rd boom                                  | 0          | 0          | 0         | 0          | 46        | 0         | 0         | 46         | 46        | 0         | 0         |
| 4th boom                                  | 0          | 0          | 0         | 0          | 0         | 0         | 0         | 0          | 46        | 46        | 0         |
| 5th boom                                  | 0          | 0          | 0         | 0          | 0         | 46        | 0         | 0          | 0         | 46        | 46        |
| 6th boom                                  | 0          | 0          | 46        | 0          | 0         | 46        | 92        | 0          | 0         | 46        | 92        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton |
| Hook mass                                 | 630kg      | 630kg      | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     |
| Parts of line                             | 11         | 11         | 7         | 11         | 10        | 7         | 6         | 9          | 9         | 7         | 6         |

(Unit: Metric ton)

**Specification F3**

Outriggers intermediately extended (5.0m) over side,  
with counterweight stowed in front or rear position on carrier

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1         | 9          | 10        | 2         | 1         | 10         | 11        | 2         | 1         |
|-------------------------------------------|------------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| Boom configuration number                 | 1          | 2          | 3         | 4          | 5         | 6         | 7         | 8          | 9         | 10        | 11        |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom |           | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           |
| 2.5                                       | 55.00      |            |           |            |           |           |           |            |           |           |           |
| 3.0                                       | 55.00      |            |           |            |           |           |           |            |           |           |           |
| 3.5                                       | 55.00      | 55.00      | 35.00     | 50.20      | 50.00     | 35.00     | 27.30     |            |           |           |           |
| 4.0                                       | 47.55      | 43.25      | 35.00     | 38.70      | 40.20     | 35.00     | 25.40     | 36.15      | 37.70     | 35.00     | 28.00     |
| 4.5                                       | 34.80      | 34.20      | 33.30     | 31.05      | 32.35     | 35.00     | 23.70     | 29.35      | 30.80     | 33.85     | 26.30     |
| 5.0                                       | 27.05      | 26.50      | 29.10     | 25.55      | 26.75     | 30.20     | 22.20     | 24.45      | 25.80     | 28.65     | 24.80     |
| 6.0                                       | 18.00      | 17.55      | 19.75     | 17.35      | 18.20     | 20.65     | 19.80     | 17.70      | 18.90     | 20.90     | 21.50     |
| 7.0                                       | 12.95      | 12.55      | 14.45     | 12.35      | 13.10     | 15.30     | 15.35     | 12.85      | 13.70     | 15.55     | 16.05     |
| 8.0                                       | 9.70       | 9.35       | 11.10     | 9.15       | 9.85      | 11.85     | 11.90     | 9.60       | 10.40     | 12.10     | 12.55     |
| 9.0                                       | 7.45       | 7.10       | 8.75      | 6.90       | 7.55      | 9.45      | 9.50      | 7.30       | 8.10      | 9.70      | 10.15     |
| 10.0                                      |            | 5.45       | 7.05      | 5.30       | 5.90      | 7.70      | 7.75      | 5.65       | 6.40      | 7.90      | 8.35      |
| 11.0                                      |            | 4.25       | 5.70      | 4.00       | 4.60      | 6.40      | 6.40      | 4.40       | 5.10      | 6.55      | 7.00      |
| 12.0                                      |            | 3.25       | 4.70      | 3.05       | 3.60      | 5.30      | 5.35      | 3.40       | 4.05      | 5.50      | 5.90      |
| 14.0                                      |            |            |           | 1.25       | 2.00      | 3.75      | 3.80      | 1.70       | 2.55      | 3.95      | 4.30      |
| 16.0                                      |            |            |           |            |           | 2.70      | 2.70      |            | 1.25      | 2.85      | 3.20      |
| 18.0                                      |            |            |           |            |           |           |           |            |           | 2.05      | 2.40      |
| 20.0                                      |            |            |           |            |           |           |           |            |           | 1.30      | 1.80      |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50     | 20.40      | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     |
| Min. boom angle (°)                       | —          | —          | —         | 30         | 23        | —         | —         | 44         | 36        | —         | —         |
| Telescoping conditions (%)                |            |            |           |            |           |           |           |            |           |           |           |
| 2nd boom                                  | 0          | 46         | 0         | 92         | 46        | 0         | 0         | 92         | 46        | 0         | 0         |
| 3rd boom                                  | 0          | 0          | 0         | 0          | 46        | 0         | 0         | 46         | 46        | 0         | 0         |
| 4th boom                                  | 0          | 0          | 0         | 0          | 0         | 0         | 0         | 0          | 46        | 46        | 0         |
| 5th boom                                  | 0          | 0          | 0         | 0          | 0         | 46        | 0         | 0          | 0         | 46        | 46        |
| 6th boom                                  | 0          | 0          | 46        | 0          | 0         | 46        | 92        | 0          | 0         | 46        | 92        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton |
| Hook mass                                 | 630kg      | 630kg      | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     |
| Parts of line                             | 11         | 11         | 7         | 11         | 10        | 7         | 6         | 9          | 9         | 7         | 6         |

(Unit: Metric ton)

**Specification F4**

Outriggers intermediately extended (4.2m) over side,  
with counterweight stowed in front or rear position on carrier

| Telescopic pattern                        | 1          | 9          | 1         | 9          | 10        | 2         | 1         | 10         | 11        | 2         | 1         |
|-------------------------------------------|------------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| Boom configuration number                 | 1          | 2          | 3         | 4          | 5         | 6         | 7         | 8          | 9         | 10        | 11        |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom |           | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           |
| 2.5                                       | 55.00      |            |           |            |           |           |           |            |           |           |           |
| 3.0                                       | 55.00      |            |           |            |           |           |           |            |           |           |           |
| 3.5                                       | 44.10      | 38.95      | 35.00     | 34.55      | 35.85     | 35.00     | 27.30     |            |           |           |           |
| 4.0                                       | 31.50      | 30.40      | 33.55     | 27.30      | 28.45     | 32.10     | 25.40     | 25.65      | 27.05     | 30.00     | 28.00     |
| 4.5                                       | 24.05      | 23.60      | 25.95     | 22.15      | 23.25     | 26.60     | 23.70     | 21.10      | 22.40     | 25.15     | 25.95     |
| 5.0                                       | 19.10      | 18.70      | 20.80     | 18.35      | 19.25     | 21.80     | 21.95     | 17.60      | 18.85     | 21.45     | 22.20     |
| 6.0                                       | 13.00      | 12.60      | 14.45     | 12.40      | 13.10     | 15.30     | 15.45     | 12.75      | 13.70     | 15.55     | 16.10     |
| 7.0                                       | 9.35       | 9.00       | 10.70     | 8.80       | 9.45      | 11.45     | 11.55     | 9.15       | 9.95      | 11.65     | 12.15     |
| 8.0                                       | 6.90       | 6.60       | 8.15      | 6.40       | 7.00      | 8.90      | 9.00      | 6.75       | 7.50      | 9.10      | 9.55      |
| 9.0                                       | 5.20       | 4.90       | 6.40      | 4.70       | 5.25      | 7.05      | 7.15      | 5.05       | 5.75      | 7.25      | 7.70      |
| 10.0                                      |            | 3.60       | 5.05      | 3.40       | 3.95      | 5.70      | 5.80      | 3.75       | 4.45      | 5.90      | 6.30      |
| 11.0                                      |            | 2.60       | 4.00      | 2.35       | 2.95      | 4.65      | 4.70      | 2.75       | 3.40      | 4.80      | 5.25      |
| 12.0                                      |            | 1.60       | 3.20      | 1.35       | 2.05      | 3.80      | 3.85      |            | 2.60      | 4.00      | 4.40      |
| 14.0                                      |            |            |           |            |           | 2.55      | 2.60      |            |           | 2.70      | 3.10      |
| 16.0                                      |            |            |           |            |           | 1.60      | 1.65      |            |           | 1.80      | 2.20      |
| 18.0                                      |            |            |           |            |           |           |           |            |           | 0.95      | 1.45      |
| 20.0                                      |            |            |           |            |           |           |           |            |           |           | 0.85      |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50     | 20.40      | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     |
| Min. boom angle (°)                       | —          | —          | —         | 44         | 37        | —         | —         | 55         | 48        | 21        | —         |
| Telescoping conditions (%)                |            |            |           |            |           |           |           |            |           |           |           |
| 2nd boom                                  | 0          | 46         | 0         | 92         | 46        | 0         | 0         | 92         | 46        | 0         | 0         |
| 3rd boom                                  | 0          | 0          | 0         | 0          | 46        | 0         | 0         | 46         | 46        | 0         | 0         |
| 4th boom                                  | 0          | 0          | 0         | 0          | 0         | 0         | 0         | 0          | 46        | 46        | 0         |
| 5th boom                                  | 0          | 0          | 0         | 0          | 0         | 46        | 0         | 0          | 0         | 46        | 46        |
| 6th boom                                  | 0          | 0          | 46        | 0          | 0         | 46        | 92        | 0          | 0         | 46        | 92        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton |
| Hook mass                                 | 630kg      | 630kg      | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     |
| Parts of line                             | 11         | 11         | 7         | 11         | 10        | 7         | 6         | 9          | 9         | 7         | 6         |

(Unit: Metric ton)


**Specification F5**

Outriggers completely retracted (2.52m) over side,  
with counterweight stowed in front or rear position on carrier

Based on ISO 4305 / Not exceed 75% of static tipping loads

|                                           |            |            |           |            |           |           |           |            |           |           |           |
|-------------------------------------------|------------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| Telescopic pattern                        | 1          | 9          | 1         | 9          | 10        | 2         | 1         | 10         | 11        | 2         | 1         |
| Boom configuration number                 | 1          | 2          | 3         | 4          | 5         | 6         | 7         | 8          | 9         | 10        | 11        |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom |           | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           |
| 2.5                                       | 27.30      |            |           |            |           |           |           |            |           |           |           |
| 3.0                                       | 20.55      |            |           |            |           |           |           |            |           |           |           |
| 3.5                                       | 15.70      | 13.45      | 15.95     | 11.40      | 12.35     | 15.30     | 15.35     |            |           |           |           |
| 4.0                                       | 12.00      | 10.70      | 13.10     | 9.10       | 10.00     | 12.75     | 12.85     | 8.55       | 9.65      | 11.90     | 12.55     |
| 4.5                                       | 9.40       | 8.60       | 10.75     | 7.25       | 8.10      | 10.80     | 10.85     | 6.90       | 7.95      | 10.15     | 10.80     |
| 5.0                                       | 7.50       | 6.95       | 8.80      | 5.80       | 6.60      | 9.20      | 9.25      | 5.55       | 6.60      | 8.70      | 9.35      |
| 6.0                                       | 4.90       | 4.50       | 6.05      | 3.55       | 4.35      | 6.70      | 6.75      | 3.55       | 4.50      | 6.55      | 7.15      |
| 7.0                                       | 3.20       | 2.75       | 4.30      |            | 2.75      | 4.90      | 4.95      |            | 3.00      | 4.95      | 5.50      |
| 8.0                                       | 2.00       |            | 3.05      |            |           | 3.65      | 3.70      |            |           | 3.75      | 4.20      |
| 9.0                                       |            |            | 2.15      |            |           | 2.70      | 2.75      |            |           | 2.85      | 3.25      |
| 10.0                                      |            |            | 1.30      |            |           | 2.00      | 2.00      |            |           | 2.05      | 2.50      |
| 11.0                                      |            |            |           |            |           | 1.35      | 1.40      |            |           | 1.45      | 1.95      |
| 12.0                                      |            |            |           |            |           |           |           |            |           |           | 1.45      |
| Maximum lifting capacity without lock pin | 25.50      | 13.45      | 15.95     | 11.40      | 12.35     | 15.30     | 15.35     | 8.55       | 9.65      | 11.90     | 12.55     |
| Min. boom angle (°)                       | —          | 53         | 32        | 66         | 63        | 44        | 44        | 71         | 68        | 56        | 50        |
| Telescoping conditions (%)                |            |            |           |            |           |           |           |            |           |           |           |
| 2nd boom                                  | 0          | 46         | 0         | 92         | 46        | 0         | 0         | 92         | 46        | 0         | 0         |
| 3rd boom                                  | 0          | 0          | 0         | 0          | 46        | 0         | 0         | 46         | 46        | 0         | 0         |
| 4th boom                                  | 0          | 0          | 0         | 0          | 0         | 0         | 0         | 0          | 46        | 46        | 0         |
| 5th boom                                  | 0          | 0          | 0         | 0          | 0         | 46        | 0         | 0          | 0         | 46        | 46        |
| 6th boom                                  | 0          | 0          | 46        | 0          | 0         | 46        | 92        | 0          | 0         | 46        | 92        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton |
| Hook mass                                 | 630kg      | 630kg      | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     |
| Parts of line                             | 11         | 11         | 7         | 11         | 10        | 7         | 6         | 9          | 9         | 7         | 6         |

(Unit: Metric ton)

S

A

B

C

D

E

F

With SL jib

Without SL jib









## Specification NA2

Outriggers intermediately extended (6.0m) over side, with 25.8ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

|                                              |            |            |            |       |       |       |       |            |       |       |       |       |            |       |       |            |       |       |            |       |       |            |       |       |            |       |            |       |            |            |
|----------------------------------------------|------------|------------|------------|-------|-------|-------|-------|------------|-------|-------|-------|-------|------------|-------|-------|------------|-------|-------|------------|-------|-------|------------|-------|-------|------------|-------|------------|-------|------------|------------|
| Min. 25.0-ton counterweight mounted to crane |            |            |            |       |       |       |       |            |       |       |       |       |            |       |       |            |       |       |            |       |       |            |       |       |            |       |            |       |            |            |
| Telescopic pattern                           | 1          | 9          | 1          | 9     | 10    | 2     | 1     | 10         | 11    | 2     | 1     | 11    | 2          | 1     | 12    | 2          | 1     | 2     | 3          | 1     | 5     | 4          | 1     | 6     | 1          | 7     | 1          | 1     | 8          |            |
| Boom configuration number                    | 1          | 2          | 3          | 4     | 5     | 6     | 7     | 8          | 9     | 10    | 11    | 12    | 13         | 14    | 15    | 16         | 17    | 18    | 19         | 20    | 21    | 22         | 23    | 24    | 25         | 26    | 27         | 28    | 29         |            |
| Working radius (m)                           | 11.1m Boom | 14.8m Boom | 18.5m Boom |       |       |       |       | 22.1m Boom |       |       |       |       | 25.8m Boom |       |       | 29.5m Boom |       |       | 33.2m Boom |       |       | 36.9m Boom |       |       | 40.5m Boom |       | 44.2m Boom |       | 47.9m Boom | 51.3m Boom |
| 2.5                                          | 55.00      |            |            |       |       |       |       |            |       |       |       |       |            |       |       |            |       |       |            |       |       |            |       |       |            |       |            |       |            |            |
| 3.0                                          | 55.00      |            |            |       |       |       |       |            |       |       |       |       |            |       |       |            |       |       |            |       |       |            |       |       |            |       |            |       |            |            |
| 3.5                                          | 55.00      | 55.00      | 35.00      | 55.00 | 50.00 | 35.00 | 27.30 |            |       |       |       |       |            |       |       |            |       |       |            |       |       |            |       |       |            |       |            |       |            |            |
| 4.0                                          | 55.00      | 55.00      | 35.00      | 55.00 | 50.00 | 35.00 | 25.40 | 46.00      | 46.00 | 35.00 | 28.00 |       |            |       |       |            |       |       |            |       |       |            |       |       |            |       |            |       |            |            |
| 4.5                                          | 55.00      | 55.00      | 33.30      | 54.10 | 50.00 | 35.00 | 23.70 | 46.00      | 46.00 | 35.00 | 26.30 | 41.00 | 35.00      | 25.30 |       |            |       |       |            |       |       |            |       |       |            |       |            |       |            |            |
| 5.0                                          | 55.00      | 55.00      | 31.50      | 50.40 | 50.00 | 35.00 | 22.20 | 45.20      | 46.00 | 35.00 | 24.80 | 40.40 | 35.00      | 23.60 |       |            |       |       |            |       |       |            |       |       |            |       |            |       |            |            |
| 6.0                                          | 47.40      | 47.30      | 28.60      | 44.30 | 48.00 | 32.30 | 19.80 | 39.90      | 46.00 | 35.00 | 22.30 | 35.70 | 35.00      | 20.90 | 31.50 | 30.00      | 22.50 |       |            |       |       |            |       |       |            |       |            |       |            |            |
| 7.0                                          | 40.40      | 41.10      | 26.20      | 39.05 | 39.80 | 29.80 | 17.80 | 35.40      | 40.35 | 32.60 | 20.20 | 31.80 | 34.80      | 18.70 | 29.60 | 30.00      | 20.30 | 25.00 | 21.00      | 18.00 |       |            |       |       |            |       |            |       |            |            |
| 8.0                                          | 32.15      | 33.05      | 24.20      | 30.85 | 31.55 | 27.70 | 16.20 | 31.10      | 32.05 | 30.40 | 18.50 | 28.70 | 32.70      | 16.90 | 26.60 | 30.00      | 18.40 | 25.00 | 21.00      | 17.00 | 20.00 | 16.30      | 15.00 | 16.00 | 13.00      |       |            |       |            |            |
| 9.0                                          | 26.40      | 26.90      | 22.60      | 25.25 | 25.90 | 25.90 | 14.80 | 25.50      | 26.35 | 28.10 | 17.10 | 25.95 | 27.90      | 15.40 | 24.20 | 27.50      | 16.80 | 22.90 | 21.00      | 15.40 | 20.00 | 16.30      | 15.00 | 16.00 | 13.00      | 13.00 | 11.00      |       |            |            |
| 10.0                                         |            | 22.45      | 21.20      | 21.10 | 21.75 | 23.80 | 13.70 | 21.40      | 22.20 | 23.90 | 15.90 | 21.80 | 23.70      | 14.20 | 22.10 | 23.30      | 15.40 | 21.00 | 20.60      | 14.10 | 19.70 | 16.30      | 15.00 | 16.00 | 13.00      | 13.00 | 11.00      | 10.40 |            |            |
| 11.0                                         |            | 19.15      | 20.00      | 18.00 | 18.60 | 20.55 | 12.70 | 18.25      | 19.05 | 20.65 | 14.80 | 18.65 | 20.45      | 13.10 | 19.15 | 20.10      | 14.20 | 19.30 | 19.40      | 13.00 | 18.10 | 16.30      | 14.10 | 16.00 | 13.00      | 13.00 | 11.00      | 10.40 | 9.00       |            |
| 12.0                                         |            | 16.55      | 17.45      | 15.50 | 16.10 | 18.00 | 11.80 | 15.75      | 16.55 | 18.10 | 13.90 | 16.15 | 17.95      | 12.20 | 16.65 | 17.55      | 13.10 | 17.15 | 17.95      | 12.00 | 16.70 | 15.60      | 13.10 | 16.00 | 13.00      | 13.00 | 11.00      | 10.40 | 9.00       |            |
| 14.0                                         |            |            |            | 11.90 | 12.45 | 14.25 | 10.50 | 12.10      | 12.85 | 14.35 | 12.40 | 12.50 | 14.20      | 10.60 | 12.95 | 13.85      | 11.40 | 13.45 | 14.20      | 10.40 | 13.45 | 13.80      | 11.50 | 13.55 | 12.30      | 13.00 | 11.00      | 10.40 | 9.00       |            |
| 16.0                                         |            |            |            | 9.30  | 9.85  | 11.60 | 9.50  | 9.55       | 10.25 | 11.70 | 11.20 | 9.95  | 11.55      | 9.40  | 10.40 | 11.20      | 10.10 | 10.85 | 11.60      | 9.20  | 10.80 | 11.80      | 10.10 | 10.90 | 10.9       |       |            |       |            |            |

(Unit: Metric ton)



## Specification NA3

Outriggers intermediately extended (5.0m) over side,  
with 25.8ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9     | 10    | 2     | 1     | 10         | 11    | 2     | 1     | 11         | 2     | 1     | 12         | 2     | 1     | 2          | 3     | 1     | 5          | 4     | 1     | 6          | 1     | 7          | 1     | 1          | 8          |
|-------------------------------------------|------------|------------|------------|-------|-------|-------|-------|------------|-------|-------|-------|------------|-------|-------|------------|-------|-------|------------|-------|-------|------------|-------|-------|------------|-------|------------|-------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4     | 5     | 6     | 7     | 8          | 9     | 10    | 11    | 12         | 13    | 14    | 15         | 16    | 17    | 18         | 19    | 20    | 21         | 22    | 23    | 24         | 25    | 26         | 27    | 28         | 29         |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |       |       |       |       | 22.1m Boom |       |       |       | 25.8m Boom |       |       | 29.5m Boom |       |       | 33.2m Boom |       |       | 36.9m Boom |       |       | 40.5m Boom |       | 44.2m Boom |       | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |       |       |       |       |            |       |       |       |            |       |       |            |       |       |            |       |       |            |       |       |            |       |            |       |            |            |
| 3.0                                       | 55.00      |            |            |       |       |       |       |            |       |       |       |            |       |       |            |       |       |            |       |       |            |       |       |            |       |            |       |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00 | 50.00 | 35.00 | 27.30 |            |       |       |       |            |       |       |            |       |       |            |       |       |            |       |       |            |       |            |       |            |            |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00 | 50.00 | 35.00 | 25.40 | 46.00      | 46.00 | 35.00 | 28.00 |            |       |       |            |       |       |            |       |       |            |       |       |            |       |            |       |            |            |
| 4.5                                       | 55.00      | 55.00      | 33.30      | 54.10 | 50.00 | 35.00 | 23.70 | 46.00      | 46.00 | 35.00 | 26.30 | 41.00      | 35.00 | 25.30 |            |       |       |            |       |       |            |       |       |            |       |            |       |            |            |
| 5.0                                       | 55.00      | 55.00      | 31.50      | 50.40 | 50.00 | 35.00 | 22.20 | 45.20      | 46.00 | 35.00 | 24.80 | 40.40      | 35.00 | 23.60 |            |       |       |            |       |       |            |       |       |            |       |            |       |            |            |
| 6.0                                       | 41.75      | 42.80      | 28.60      | 40.35 | 41.10 | 32.30 | 19.80 | 39.90      | 41.65 | 35.00 | 22.30 | 35.70      | 35.00 | 20.90 | 31.50      | 30.00 | 22.50 |            |       |       |            |       |       |            |       |            |       |            |            |
| 7.0                                       | 32.25      | 32.45      | 26.20      | 30.95 | 31.65 | 29.80 | 17.80 | 31.25      | 32.15 | 32.60 | 20.20 | 31.75      | 33.80 | 18.70 | 29.60      | 30.00 | 20.30 | 25.00      | 21.00 | 18.00 |            |       |       |            |       |            |       |            |            |
| 8.0                                       | 25.95      | 25.80      | 24.20      | 24.80 | 25.45 | 27.50 | 16.20 | 25.05      | 25.90 | 27.60 | 18.50 | 25.50      | 27.45 | 16.90 | 26.00      | 27.05 | 18.40 | 25.00      | 21.00 | 17.00 | 20.00      | 16.30 | 15.00 | 16.00      | 13.00 |            |       |            |            |
| 9.0                                       | 21.50      | 21.20      | 22.45      | 20.40 | 21.00 | 23.00 | 14.80 | 20.65      | 21.50 | 23.10 | 17.10 | 21.05      | 22.90 | 15.40 | 21.55      | 22.55 | 16.80 | 22.10      | 21.00 | 15.40 | 20.00      | 16.30 | 15.00 | 16.00      | 13.00 | 13.00      | 11.00 |            |            |
| 10.0                                      |            | 17.80      | 19.10      | 17.15 | 17.75 | 19.65 | 13.70 | 17.35      | 18.15 | 19.75 | 15.90 | 17.75      | 19.60 | 14.20 | 18.30      | 19.15 | 15.40 | 18.80      | 19.60 | 14.10 | 18.75      | 16.30 | 15.00 | 16.00      | 13.00 | 13.00      | 11.00 | 10.40      |            |
| 11.0                                      |            | 15.20      | 16.50      | 14.60 | 15.15 | 17.05 | 12.70 | 14.85      | 15.60 | 17.15 | 14.80 | 15.25      | 16.95 | 13.10 | 15.70      | 16.60 | 14.20 | 16.20      | 17.00 | 13.00 | 16.20      | 16.30 | 14.10 | 16.00      | 13.00 | 13.00      | 11.00 | 10.40      | 9.00       |
| 12.0                                      |            | 13.15      | 14.45      | 12.60 | 13.15 | 14.95 | 11.80 | 12.80      | 13.60 | 15.05 | 13.90 | 13.20      | 14.85 | 12.20 | 13.65      | 14.50 | 13.10 | 14.15      | 14.95 | 12.00 | 14.10      | 15.15 | 13.10 | 14.25      | 13.00 | 13.00      | 11.00 | 10.40      | 9.00       |
| 14.0                                      |            |            |            | 9.55  | 10.10 | 11.85 | 10.50 | 9.80       | 10.55 | 11.95 | 12.30 | 10.20      | 11.70 | 10.60 | 10.60      | 11.45 | 11.40 | 11.10      | 11.85 | 10.40 | 11.05      | 12.05 | 11.50 | 11.15      | 12.15 | 11.40      | 11.00 | 10.40      | 9.00       |
| 16.0                                      |            |            |            | 7.40  | 7.95  | 9.65  | 9.50  | 7.65       | 8.35  | 9.75  | 10.10 | 8.05       | 9.50  | 9.40  | 8.45       | 9.25  | 10.10 | 8.90       | 9.65  | 9.20  | 8.90       | 9.80  | 10.10 | 9.00       | 9.90  | 9.20       | 9.75  | 9.45       | 9.00       |
| 18.0                                      |            |            |            |       |       |       |       | 6.00       | 6.70  | 8.10  | 8.45  | 6.40       | 7.90  | 8.45  | 6.85       | 7.65  | 8.55  | 7.30       | 8.00  | 8.20  | 7.25       | 8.15  | 8.45  | 7.35       | 8.25  | 7.55       | 8.10  | 7.80       | 7.80       |
| 20.0                                      |            |            |            |       |       |       |       | 4.75       | 5.45  | 6.80  | 7.20  | 5.15       | 6.65  | 7.20  | 5.55       | 6.35  | 7.30  | 6.00       | 6.70  | 7.20  | 6.00       | 6.90  | 7.15  | 6.10       | 6.95  | 6.30       | 6.80  | 6.55       | 6.55       |
| 22.0                                      |            |            |            |       |       |       |       |            |       |       |       | 4.10       | 5.65  | 6.20  | 4.55       | 5.35  | 6.25  | 5.00       | 5.70  | 6.15  | 4.95       | 5.85  | 6.15  | 5.10       | 5.95  | 5.25       | 5.80  | 5.50       | 5.55       |
| 24.0                                      |            |            |            |       |       |       |       |            |       |       |       |            |       |       | 3.70       | 4.50  | 5.45  | 4.15       | 4.85  | 5.35  | 4.15       | 5.05  | 5.30  | 4.25       | 5.10  | 4.45       | 4.95  | 4.70       | 4.70       |
| 26.0                                      |            |            |            |       |       |       |       |            |       |       |       |            |       |       | 3.05       | 3.80  | 4.80  | 3.50       | 4.15  | 4.65  | 3.45       | 4.35  | 4.65  | 3.55       | 4.40  | 3.75       | 4.25  | 4.00       | 4.00       |
| 28.0                                      |            |            |            |       |       |       |       |            |       |       |       |            |       |       |            |       |       | 2.90       | 3.55  | 4.10  | 2.85       | 3.75  | 4.05  | 3.00       | 3.85  | 3.15       | 3.65  | 3.40       | 3.40       |
| 30.0                                      |            |            |            |       |       |       |       |            |       |       |       |            |       |       |            |       |       | 2.35       | 3.05  | 3.60  | 2.35       | 3.25  | 3.55  | 2.50       | 3.35  | 2.65       | 3.15  | 2.90       | 2.90       |
| 32.0                                      |            |            |            |       |       |       |       |            |       |       |       |            |       |       |            |       |       |            |       |       | 1.90       | 2.80  | 3.10  | 2.05       | 2.90  | 2.25       | 2.70  | 2.45       | 2.45       |
| 34.0                                      |            |            |            |       |       |       |       |            |       |       |       |            |       |       |            |       |       |            |       |       | 1.55       | 2.40  | 2.70  | 1.65       | 2.50  | 1.85       | 2.35  | 2.10       | 2.10       |
| 36.0                                      |            |            |            |       |       |       |       |            |       |       |       |            |       |       |            |       |       |            |       |       |            |       |       | 1.35       | 2.15  | 1.50       | 2.00  | 1.75       | 1.75       |
| 38.0                                      |            |            |            |       |       |       |       |            |       |       |       |            |       |       |            |       |       |            |       |       |            |       |       | 1.05       | 1.85  | 1.20       | 1.70  | 1.45       | 1.45       |
| 40.0                                      |            |            |            |       |       |       |       |            |       |       |       |            |       |       |            |       |       |            |       |       |            |       |       |            |       | 0.90       | 1.45  | 1.20       | 1.20       |
| 42.0                                      |            |            |            |       |       |       |       |            |       |       |       |            |       |       |            |       |       |            |       |       |            |       |       |            |       |            | 1.20  | 0.95       | 0.95       |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40 | 22.00 | 24.50 | 18.30 | 19.90      | 21.60 | 23.40 | 18.30 | 19.50      | 22.20 | 17.80 | 18.80      | 20.50 | 17.80 | 18.30      | 18.30 | 17.30 | 17.60      | 16.30 | 15.00 | 16.00      | 13.00 | 13.00      | 11.00 | 10.40      | 9.00       |
| Min. boom angle (°)                       | —          | —          | —          | —     | —     | —     | —     | —          | —     | —     | —     | —          | —     | —     | —          | —     | —     | —          | —     | —     | —          | —     | —     | —          | —     | —          | —     | —          | 25         |

## Telescoping conditions (%)

|               |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 2nd boom      | 0         | 46        | 0         | 92        | 46        | 0         | 0         | 92        | 46        | 0         | 0         | 92        | 0         | 0         | 92        | 46        | 0         | 92        | 46        | 0         | 92        | 46        | 0         | 92        | 0         | 92        | 46        | 92        | 100       |
| 3rd boom      | 0         | 0         | 0         | 0         | 46        | 0         | 0         | 46        | 46        | 0         | 0         | 46        | 46        | 0         | 46        | 46        | 0         | 46        | 46        | 0         | 92        | 46        | 46        | 92        | 92        | 92        | 92        | 92        | 100       |
| 4th boom      | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 46        | 46        | 0         | 46        | 46        | 0         | 46        | 46        | 46        | 46        | 46        | 92        | 46        | 46        | 92        | 92        | 92        | 92        | 92        | 92        | 100       |
| 5th boom      | 0         | 0         | 0         | 0         | 0         | 46        | 0         | 0         | 0         | 46        | 46        | 0         | 46        | 92        | 46        | 46        | 92        | 46        | 46        | 92        | 46        | 92        | 92        | 46        | 92        | 92        | 92        | 92        | 100       |
| 6th boom      | 0         | 0         | 46        | 0         | 0         | 46        | 92        | 0         | 0         | 46        | 92        | 0         | 46        | 92        | 0         | 46        | 92        | 46        | 92        | 92        | 46        | 92        | 92        | 46        | 92        | 46        | 92        | 92        | 100       |
| Standard hook | for 55ton | for 55ton | for 37ton | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton | for 37ton | for 37ton | for 37ton | for 37ton | for 37ton | for 37ton | for 37ton | for 37ton | for 37ton | for 37ton | for 37ton | for 37ton | for 37ton | for 37ton | for 37ton | for 37ton | for 37ton |
| Hook mass     | 630kg     | 630kg     | 400kg     | 630kg     | 630kg     | 400kg     | 400kg     | 630kg     | 630kg     | 400kg     | 400kg     | 630kg     | 400kg     | 400kg     | 400kg     | 400kg     | 400kg     | 400kg     | 400kg     | 400kg     | 400kg     | 400kg     | 400kg     | 400kg     | 400kg     | 400kg     | 400kg     | 400kg     | 400kg     |
| Parts of line | 11        | 11        | 7         | 11        | 10        | 7         | 6         | 9         | 9         | 7         | 6         | 8         | 7         | 5         | 6         | 6         | 5         | 5         | 4         | 4         | 4         | 3         | 3         | 3         | 3         | 3         | 2         | 2         | 2         |

(Unit: Metric ton)

NS

NA

NB

NC

ND

NE

NF

With SL jib

Without SL jib

## Specification NA4

Outriggers intermediately extended (4.2m) over side,  
with 25.8ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11        | 2          | 1         | 12        | 2          | 1         | 2         | 3          | 1         | 5         | 4          | 1         | 6         | 1          | 7         | 1          | 1         | 8          |            |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12        | 13         | 14        | 15        | 16         | 17        | 18        | 19         | 20        | 21        | 22         | 23        | 24        | 25         | 26        | 27         | 28        | 29         |            |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 55.00      | 55.00      | 33.30      | 54.00     | 50.00     | 35.00     | 23.70     | 46.00      | 46.00     | 35.00     | 26.30     | 41.00     | 35.00      | 25.30     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 46.20      | 46.75      | 31.50      | 44.70     | 45.50     | 35.00     | 22.20     | 45.00      | 46.00     | 35.00     | 24.80     | 40.40     | 35.00      | 23.60     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 34.10      | 33.80      | 28.60      | 32.80     | 33.50     | 32.30     | 19.80     | 33.10      | 34.00     | 35.00     | 22.30     | 33.55     | 35.00      | 20.90     | 31.50     | 30.00      | 22.50     |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 26.70      | 26.10      | 26.20      | 25.50     | 26.15     | 28.25     | 17.80     | 25.75      | 26.60     | 28.35     | 20.20     | 26.20     | 28.10      | 18.70     | 26.70     | 27.70      | 20.30     | 25.00     | 21.00      | 18.00     |           |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 21.65      | 20.95      | 22.50      | 20.50     | 21.10     | 22.95     | 16.20     | 20.75      | 21.50     | 23.15     | 18.50     | 21.15     | 22.85      | 16.90     | 21.70     | 22.65      | 18.40     | 22.25     | 21.00      | 17.00     | 20.00     | 16.30      | 15.00     | 16.00     | 13.00      |           |            |           |            |            |
| 9.0                                       | 18.00      | 17.30      | 18.80      | 16.85     | 17.45     | 19.20     | 14.80     | 17.10      | 17.80     | 19.40     | 17.10     | 17.45     | 19.10      | 15.40     | 18.00     | 19.00      | 16.80     | 18.50     | 19.30      | 15.40     | 18.55     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      |           |            |            |
| 10.0                                      |            | 14.60      | 16.00      | 14.15     | 14.70     | 16.40     | 13.70     | 14.35      | 15.05     | 16.55     | 15.90     | 14.70     | 16.30      | 14.20     | 15.20     | 16.20      | 15.40     | 15.70     | 16.45      | 14.10     | 15.75     | 16.30      | 15.00     | 15.95     | 13.00      | 13.00     | 11.00      | 10.40     |            |            |
| 11.0                                      |            | 12.45      | 13.85      | 12.05     | 12.60     | 14.25     | 12.70     | 12.25      | 12.90     | 14.35     | 14.70     | 12.55     | 14.10      | 13.10     | 13.05     | 14.00      | 14.20     | 13.55     | 14.25      | 13.00     | 13.55     | 14.45      | 14.10     | 13.75     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| 12.0                                      |            | 10.75      | 12.10      | 10.35     | 10.90     | 12.50     | 11.80     | 10.55      | 11.20     | 12.60     | 12.95     | 10.85     | 12.35      | 12.20     | 11.35     | 12.20      | 13.10     | 11.80     | 12.50      | 12.00     | 11.80     | 12.70      | 13.00     | 12.00     | 12.80      | 12.15     | 11.00      | 10.40     | 9.00       |            |
| 14.0                                      |            |            |            | 7.85      | 8.35      | 9.90      | 9.95      | 8.00       | 8.65      | 10.00     | 10.30     | 8.30      | 9.75       | 10.35     | 8.75      | 9.60       | 10.45     | 9.20      | 9.90       | 10.35     | 9.20      | 10.10      | 10.35     | 9.40      | 10.15      | 9.55      | 10.10      | 9.85      | 9.00       |            |
| 16.0                                      |            |            |            | 5.95      | 6.50      | 8.10      | 8.10      | 6.20       | 6.80      | 8.15      | 8.45      | 6.50      | 7.90       | 8.50      | 6.90      | 7.70       | 8.55      | 7.35      | 8.00       | 8.50      | 7.35      | 8.20       | 8.45      | 7.50      | 8.25       | 7.65      | 8.20       | 7.95      | 7.95       |            |
| 18.0                                      |            |            |            |           |           |           |           | 4.80       | 5.50      | 6.75      | 7.05      | 5.15      | 6.55       | 7.10      | 5.55      | 6.30       | 7.15      | 5.95      | 6.60       | 7.05      | 5.95      | 6.80       | 7.05      | 6.10      | 6.85       | 6.25      | 6.75       | 6.55      | 6.55       |            |
| 20.0                                      |            |            |            |           |           |           |           | 3.65       | 4.35      | 5.70      | 6.00      | 4.10      | 5.45       | 6.00      | 4.50      | 5.25       | 6.10      | 4.85      | 5.50       | 6.00      | 4.85      | 5.70       | 5.95      | 5.00      | 5.75       | 5.15      | 5.70       | 5.40      | 5.45       |            |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           | 3.20      | 4.60       | 5.15      | 3.60      | 4.35       | 5.20      | 4.00      | 4.65       | 5.10      | 4.00      | 4.80       | 5.10      | 4.10      | 4.90       | 4.30      | 4.80       | 4.55      | 4.50       |            |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 2.85      | 3.65       | 4.50      | 3.30      | 3.95       | 4.40      | 3.30      | 4.10       | 4.35      | 3.35      | 4.20       | 3.60      | 4.10       | 3.80      | 3.80       |            |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 2.25      | 3.05       | 3.95      | 2.70      | 3.35       | 3.80      | 2.70      | 3.50       | 3.80      | 2.75      | 3.60       | 3.00      | 3.45       | 3.20      | 3.20       |            |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           | 2.20      | 2.85       | 3.30      | 2.15      | 3.00       | 3.30      | 2.25      | 3.10       | 2.45      | 2.95       | 2.65      | 2.65       |            |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           | 1.75      | 2.40       | 2.90      | 1.75      | 2.55       | 2.85      | 1.80      | 2.65       | 2.00      | 2.50       | 2.20      | 2.20       |            |
| 32.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           | 1.30      | 2.20       | 2.45      | 1.45      | 2.25       | 1.65      | 2.10       | 1.85      | 1.85       |            |
| 34.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           | 0.90      | 1.85       | 2.15      | 1.10      | 1.95       | 1.25      | 1.75       | 1.50      | 1.50       |            |
| 36.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           | 1.60       | 0.90      | 1.45       | 1.20      | 1.20       |            |
| 38.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           | 1.35       |           | 1.20       | 0.95      | 0.95       |            |
| 40.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           | 0.95       |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50     | 22.20      | 17.80     | 18.80     | 20.50      | 17.80     | 18.30     | 18.30      | 17.30     | 17.60     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | —          | —         | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | 19        | —          | 26        | —          | 29        | 36         |            |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92        | 0          | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 0          | 92        | 46         | 92        | 100        |            |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46        | 46         | 0         | 46        | 46         | 46        | 46        | 46         | 92        | 46        | 46         | 92        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0         | 46         | 92        | 46        | 46         | 92        | 46        | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 92         | 92        | 100        |            |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0         | 46         | 92        | 0         | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 46        | 92         | 46        | 92         | 92        | 100        |            |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      |            |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8         | 7          | 5         | 6         | 6          | 5         | 5         | 4          | 4         | 4         | 3          | 3         | 3         | 3          | 3         | 2          | 2         | 2          |            |

(Unit: Metric ton)







## Specification NB3

Outriggers intermediately extended (5.0m) over side,  
with 21.8ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1          | 10        | 11        | 2         | 1          | 11        | 2         | 1          | 12        | 2         | 1          | 2         | 3         | 1          | 5         | 4         | 1          | 6         | 1          | 7         | 1          | 1          | 8     |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|-------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7          | 8         | 9         | 10        | 11         | 12        | 13        | 14         | 15        | 16        | 17         | 18        | 19        | 20         | 21        | 22        | 23         | 24        | 25         | 26        | 27         | 28         | 29    |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |       |
| 2.5                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |       |
| 3.0                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |       |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30      |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |       |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40      | 46.00     | 46.00     | 35.00     | 28.00      |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |       |
| 4.5                                       | 55.00      | 55.00      | 33.30      | 54.10     | 50.00     | 35.00     | 23.70      | 46.00     | 46.00     | 35.00     | 26.30      | 41.00     | 35.00     | 25.30      |           |           |            |           |           |            |           |           |            |           |            |           |            |            |       |
| 5.0                                       | 52.65      | 55.00      | 31.50      | 50.40     | 50.00     | 35.00     | 22.20      | 45.20     | 46.00     | 35.00     | 24.80      | 40.40     | 35.00     | 23.60      |           |           |            |           |           |            |           |           |            |           |            |           |            |            |       |
| 6.0                                       | 37.80      | 38.80      | 28.60      | 36.45     | 37.20     | 32.30     | 19.80      | 36.70     | 37.75     | 35.00     | 22.30      | 35.70     | 35.00     | 20.90      | 31.50     | 30.00     | 22.50      |           |           |            |           |           |            |           |            |           |            |            |       |
| 7.0                                       | 29.10      | 29.30      | 26.20      | 27.85     | 28.55     | 29.80     | 17.80      | 28.10     | 29.00     | 30.85     | 20.20      | 28.55     | 30.70     | 18.70      | 29.15     | 30.00     | 20.30      | 25.00     | 21.00     | 18.00      |           |           |            |           |            |           |            |            |       |
| 8.0                                       | 23.35      | 23.25      | 24.20      | 22.15     | 22.80     | 24.90     | 16.20      | 22.40     | 23.30     | 25.05     | 18.50      | 22.90     | 24.85     | 16.90      | 23.40     | 24.45     | 18.40      | 24.00     | 21.00     | 17.00      | 20.00     | 16.30     | 15.00      | 16.00     | 13.00      |           |            |            |       |
| 9.0                                       | 19.30      | 19.00      | 20.20      | 18.15     | 18.80     | 20.80     | 14.80      | 18.40     | 19.25     | 20.90     | 17.10      | 18.85     | 20.70     | 15.40      | 19.35     | 20.35     | 16.80      | 19.90     | 20.75     | 15.40      | 19.85     | 16.30     | 15.00      | 16.00     | 13.00      | 13.00     | 11.00      |            |       |
| 10.0                                      |            | 15.90      | 17.15      | 15.20     | 15.80     | 17.70     | 13.70      | 15.45     | 16.20     | 17.80     | 15.90      | 15.85     | 17.65     | 14.20      | 16.35     | 17.25     | 15.40      | 16.85     | 17.65     | 14.10      | 16.80     | 16.30     | 15.00      | 16.00     | 13.00      | 13.00     | 11.00      | 10.40      |       |
| 11.0                                      |            | 13.55      | 14.80      | 12.90     | 13.45     | 15.30     | 12.70      | 13.10     | 13.90     | 15.45     | 14.80      | 13.50     | 15.25     | 13.10      | 13.95     | 14.90     | 14.20      | 14.50     | 15.25     | 13.00      | 14.50     | 15.50     | 14.10      | 14.60     | 13.00      | 13.00     | 11.00      | 10.40      | 9.00  |
| 12.0                                      |            | 11.65      | 12.90      | 11.05     | 11.60     | 13.40     | 11.80      | 11.25     | 12.00     | 13.55     | 13.90      | 11.65     | 13.35     | 12.20      | 12.10     | 13.00     | 13.10      | 12.60     | 13.40     | 12.00      | 12.55     | 13.55     | 13.10      | 12.70     | 13.00      | 12.95     | 11.00      | 10.40      | 9.00  |
| 14.0                                      |            |            |            | 8.30      | 8.80      | 10.60     | 10.50      | 8.50      | 9.25      | 10.65     | 11.05      | 8.90      | 10.50     | 10.60      | 9.35      | 10.20     | 11.20      | 9.80      | 10.55     | 10.40      | 9.75      | 10.75     | 11.10      | 9.90      | 10.85      | 10.10     | 10.65      | 10.40      | 9.00  |
| 16.0                                      |            |            |            | 6.30      | 6.85      | 8.55      | 8.55       | 6.55      | 7.25      | 8.65      | 9.05       | 6.90      | 8.45      | 9.05       | 7.35      | 8.15      | 9.15       | 7.80      | 8.55      | 9.05       | 7.75      | 8.75      | 9.05       | 7.90      | 8.80       | 8.10      | 8.65       | 8.35       | 8.35  |
| 18.0                                      |            |            |            |           |           |           |            | 5.05      | 5.75      | 7.15      | 7.55       | 5.45      | 7.00      | 7.55       | 5.85      | 6.65      | 7.60       | 6.30      | 7.05      | 7.55       | 6.30      | 7.20      | 7.50       | 6.40      | 7.30       | 6.60      | 7.10       | 6.85       | 6.85  |
| 20.0                                      |            |            |            |           |           |           |            | 3.90      | 4.60      | 5.95      | 6.35       | 4.25      | 5.85      | 6.40       | 4.70      | 5.50      | 6.45       | 5.15      | 5.85      | 6.35       | 5.10      | 6.05      | 6.35       | 5.25      | 6.15       | 5.45      | 5.95       | 5.70       | 5.70  |
| 22.0                                      |            |            |            |           |           |           |            |           |           |           |            | 3.35      | 4.90      | 5.45       | 3.80      | 4.55      | 5.55       | 4.25      | 4.90      | 5.45       | 4.20      | 5.10      | 5.40       | 4.30      | 5.20       | 4.50      | 5.00       | 4.75       | 4.75  |
| 24.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            | 3.00      | 3.80      | 4.80       | 3.45      | 4.15      | 4.70       | 3.45      | 4.35      | 4.65       | 3.55      | 4.40       | 3.75      | 4.25       | 4.00       | 4.00  |
| 26.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            | 2.40      | 3.15      | 4.15       | 2.85      | 3.50      | 4.05       | 2.80      | 3.70      | 4.00       | 2.95      | 3.75       | 3.10      | 3.60       | 3.35       | 3.35  |
| 28.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 2.30      | 2.95      | 3.50       | 2.25      | 3.15      | 3.45       | 2.40      | 3.25       | 2.55      | 3.05       | 2.85       | 2.85  |
| 30.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 1.85      | 2.50      | 3.05       | 1.80      | 2.70      | 3.00       | 1.95      | 2.75       | 2.10      | 2.60       | 2.35       | 2.35  |
| 32.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            | 1.45      | 2.30      | 2.60       | 1.50      | 2.35       | 1.70      | 2.20       | 1.95       | 1.95  |
| 34.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            | 1.10      | 1.90      | 2.20       | 1.20      | 2.00       | 1.40      | 1.85       | 1.60       | 1.60  |
| 36.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 0.85      | 1.70       | 1.05      | 1.55       | 1.30       | 1.30  |
| 38.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           | 1.45       |           | 1.30       | 1.05       | 1.05  |
| 40.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           | 1.05       | 0.80       | 0.80  |
| 42.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           | 0.80       |            |       |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30      | 19.90     | 21.60     | 23.40     | 18.30      | 19.50     | 22.20     | 17.80      | 18.80     | 20.50     | 17.80      | 18.30     | 18.30     | 17.30      | 17.60     | 16.30     | 15.00      | 16.00     | 13.00      | 13.00     | 11.00      | 10.40      | 9.00  |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —          | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —          | 24        | —          | 27         | 34    |
| Telescoping conditions (%)                |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |       |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0          | 92        | 46        | 0         | 0          | 92        | 0         | 0          | 92        | 46        | 0          | 92        | 46        | 0          | 92        | 46        | 0          | 92        | 0          | 92        | 46         | 92         | 100   |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0          | 46        | 46        | 0         | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 92        | 46        | 46         | 92        | 92         | 92        | 92         | 92         | 100   |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 46         | 46        | 46        | 92         | 46        | 46        | 92         | 92        | 92         | 92        | 92         | 92         | 100   |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0          | 0         | 0         | 46        | 46         | 0         | 46        | 92         | 46        | 46        | 92         | 46        | 46        | 92         | 46        | 92        | 92         | 46        | 92         | 92        | 92         | 92         | 100   |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92         | 0         | 0         | 46        | 92         | 0         | 46        | 92         | 0         | 46        | 92         | 46        | 92        | 92         | 46        | 92        | 92         | 46        | 92         | 46        | 92         | 92         | 100   |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton  |       |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg      | 400kg |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6          | 9         | 9         | 7         | 6          | 8         | 7         | 5          | 6         | 6         | 5          | 5         | 4         | 4          | 4         | 3         | 3          | 3         | 3          | 3         | 2          | 2          | 2     |

(Unit: Metric ton)

NS

NA

NB

NC

ND

NE

NF

With SL jib

Without SL jib

## Specification NB4

Outriggers intermediately extended (4.2m) over side,  
with 21.8ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11        | 2          | 1         | 12        | 2          | 1         | 2         | 3          | 1         | 5         | 4          | 1         | 6         | 1          | 7         | 1          | 1         | 8          |            |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12        | 13         | 14        | 15        | 16         | 17        | 18        | 19         | 20        | 21        | 22         | 23        | 24        | 25         | 26        | 27         | 28        | 29         |            |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 50.30      | 51.90      | 33.30      | 48.75     | 49.60     | 35.00     | 23.70     | 46.00      | 46.00     | 35.00     | 26.30     | 41.00     | 35.00      | 25.30     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 41.75      | 42.35      | 31.50      | 40.30     | 41.05     | 35.00     | 22.20     | 40.60      | 41.60     | 35.00     | 24.80     | 40.15     | 35.00      | 23.60     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 30.70      | 30.50      | 28.60      | 29.45     | 30.15     | 32.30     | 19.80     | 29.70      | 30.65     | 32.50     | 22.30     | 30.20     | 32.30      | 20.90     | 30.80     | 30.00      | 22.50     |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 23.95      | 23.45      | 24.90      | 22.75     | 23.40     | 25.50     | 17.80     | 23.05      | 23.85     | 25.65     | 20.20     | 23.45     | 25.45      | 18.70     | 24.00     | 25.00      | 20.30     | 24.55     | 21.00      | 18.00     |           |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 19.35      | 18.75      | 20.30      | 18.25     | 18.90     | 20.80     | 16.20     | 18.50      | 19.30     | 20.85     | 18.50     | 18.90     | 20.60      | 16.90     | 19.45     | 20.40      | 18.40     | 19.95     | 20.80      | 17.00     | 19.95     | 16.30      | 15.00     | 16.00     | 13.00      |           |            |           |            |            |
| 9.0                                       | 16.00      | 15.45      | 16.90      | 15.00     | 15.55     | 17.35     | 14.80     | 15.20      | 15.90     | 17.40     | 17.10     | 15.55     | 17.20      | 15.40     | 16.05     | 17.00      | 16.80     | 16.60     | 17.40      | 15.40     | 16.60     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      |           |            |            |
| 10.0                                      |            | 12.95      | 14.35      | 12.50     | 13.05     | 14.75     | 13.70     | 12.70      | 13.40     | 14.80     | 15.25     | 13.05     | 14.60      | 14.20     | 13.50     | 14.45      | 15.35     | 14.05     | 14.80      | 14.10     | 14.10     | 15.05      | 15.00     | 14.20     | 13.00      | 13.00     | 11.00      | 10.40     |            |            |
| 11.0                                      |            | 11.00      | 12.40      | 10.55     | 11.10     | 12.80     | 12.70     | 10.75      | 11.45     | 12.80     | 13.25     | 11.10     | 12.65      | 13.10     | 11.55     | 12.45      | 13.35     | 12.05     | 12.80      | 13.00     | 12.10     | 13.00      | 13.30     | 12.20     | 13.00      | 12.45     | 11.00      | 10.40     | 9.00       |            |
| 12.0                                      |            | 9.45       | 10.80      | 9.05      | 9.55      | 11.20     | 11.25     | 9.20       | 9.90      | 11.25     | 11.60     | 9.55      | 11.05      | 11.65     | 10.00     | 10.85      | 11.75     | 10.45     | 11.20      | 11.70     | 10.50     | 11.40      | 11.70     | 10.65     | 11.50      | 10.85     | 11.00      | 10.40     | 9.00       |            |
| 14.0                                      |            |            |            | 6.70      | 7.25      | 8.80      | 8.85      | 6.90       | 7.55      | 8.85      | 9.20      | 7.20      | 8.65       | 9.25      | 7.65      | 8.45       | 9.35      | 8.10      | 8.80       | 9.25      | 8.10      | 9.00       | 9.25      | 8.25      | 9.05       | 8.45      | 9.00       | 8.70      | 8.70       |            |
| 16.0                                      |            |            |            | 4.95      | 5.50      | 7.15      | 7.20      | 5.20       | 5.90      | 7.15      | 7.50      | 5.55      | 6.95       | 7.55      | 5.95      | 6.75       | 7.60      | 6.40      | 7.05       | 7.55      | 6.40      | 7.25       | 7.55      | 6.50      | 7.35       | 6.70      | 7.25       | 6.95      | 7.00       |            |
| 18.0                                      |            |            |            |           |           |           |           | 3.90       | 4.60      | 5.90      | 6.25      | 4.30      | 5.70       | 6.25      | 4.70      | 5.45       | 6.35      | 5.15      | 5.80       | 6.25      | 5.15      | 5.95       | 6.25      | 5.20      | 6.05       | 5.45      | 5.95       | 5.65      | 5.65       |            |
| 20.0                                      |            |            |            |           |           |           |           | 2.90       | 3.55      | 4.95      | 5.30      | 3.30      | 4.75       | 5.25      | 3.70      | 4.45       | 5.35      | 4.15      | 4.80       | 5.25      | 4.10      | 4.95       | 5.25      | 4.20      | 5.05       | 4.45      | 4.95       | 4.65      | 4.65       |            |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           | 2.50      | 3.95       | 4.50      | 2.90      | 3.70       | 4.55      | 3.35      | 4.00       | 4.45      | 3.30      | 4.15       | 4.45      | 3.40      | 4.25       | 3.60      | 4.10       | 3.80      | 3.80       |            |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 2.25      | 3.00       | 3.90      | 2.70      | 3.35       | 3.80      | 2.65      | 3.50       | 3.75      | 2.75      | 3.60       | 2.95      | 3.45       | 3.15      | 3.15       |            |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 1.70      | 2.45       | 3.40      | 2.10      | 2.80       | 3.25      | 2.10      | 2.95       | 3.25      | 2.15      | 3.05       | 2.40      | 2.90       | 2.60      | 2.60       |            |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           | 1.65      | 2.30       | 2.80      | 1.65      | 2.50       | 2.75      | 1.70      | 2.55       | 1.90      | 2.40       | 2.10      | 2.10       |            |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           | 1.20      | 1.90       | 2.40      | 1.15      | 2.05       | 2.35      | 1.30      | 2.15       | 1.50      | 2.00       | 1.70      | 1.70       |            |
| 32.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            | 1.70      | 2.00      | 0.95       | 1.80      | 1.10       | 1.65      | 1.35       | 1.40       |
| 34.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            | 1.40      | 1.70      |            | 1.50      |            | 1.35      | 1.10       | 1.10       |
| 36.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           | 1.20       |           | 1.05       | 0.80      | 0.80       |            |
| 38.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           | 0.95       |           |            |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50     | 22.20      | 17.80     | 18.80     | 20.50      | 17.80     | 18.30     | 18.30      | 17.30     | 17.60     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | —          | —         | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | 20        | —          | —         | 29        | —          | 35        | 21         | 37        | 42         |            |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92        | 0          | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 0          | 92        | 46         | 92        | 100        |            |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46        | 46         | 0         | 46        | 46         | 46        | 46        | 46         | 92        | 46        | 46         | 92        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0         | 46         | 92        | 46        | 46         | 92        | 46        | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 92         | 92        | 100        |            |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0         | 46         | 92        | 0         | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 46        | 92         | 46        | 92         | 92        | 100        |            |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 55ton | for 55ton  | for 37ton | for 37ton | for 55ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      |            |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8         | 7          | 5         | 6         | 6          | 5         | 5         | 4          | 4         | 4         | 3          | 3         | 3         | 3          | 3         | 2          | 2         | 2          |            |

(Unit: Metric ton)



**Specification NC2**

 Outriggers intermediately extended (6.0m) over side,  
 with 15.3ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11         | 2         | 1         | 12         | 2         | 1         | 2          | 3         | 1         | 5          | 4         | 1         | 6          | 1         | 7          | 1         | 1          | 8          |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12         | 13        | 14        | 15         | 16        | 17        | 18         | 19        | 20        | 21         | 22        | 23        | 24         | 25        | 26         | 27        | 28         | 29         |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 55.00      | 55.00      | 33.30      | 54.10     | 50.00     | 35.00     | 23.70     | 46.00      | 46.00     | 35.00     | 26.30     | 41.00      | 35.00     | 25.30     |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 55.00      | 55.00      | 31.50      | 50.40     | 50.00     | 35.00     | 22.20     | 45.20      | 46.00     | 35.00     | 24.80     | 40.40      | 35.00     | 23.60     |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 39.75      | 43.00      | 28.60      | 38.20     | 39.05     | 32.30     | 19.80     | 38.55      | 39.65     | 35.00     | 22.30     | 35.70      | 35.00     | 20.90     | 31.50      | 30.00     | 22.50     |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 29.75      | 31.35      | 26.20      | 28.35     | 29.10     | 29.80     | 17.80     | 28.65      | 29.65     | 31.70     | 20.20     | 29.20      | 31.50     | 18.70     | 29.60      | 30.00     | 20.30     | 25.00      | 21.00     | 18.00     |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 23.40      | 24.30      | 24.20      | 22.20     | 22.90     | 25.10     | 16.20     | 22.45      | 23.40     | 25.20     | 18.50     | 22.95      | 25.00     | 16.90     | 23.50      | 24.60     | 18.40     | 24.10      | 21.00     | 17.00     | 20.00      | 16.30     | 15.00     | 16.00      | 13.00     |            |           |            |            |
| 9.0                                       | 19.05      | 19.55      | 20.10      | 17.90     | 18.55     | 20.65     | 14.80     | 18.15      | 19.00     | 20.80     | 17.10     | 18.60      | 20.60     | 15.40     | 19.15      | 20.20     | 16.80     | 19.75      | 20.60     | 15.40     | 19.70      | 16.30     | 15.00     | 16.00      | 13.00     | 13.00      | 11.00     |            |            |
| 10.0                                      |            | 16.15      | 16.85      | 14.80     | 15.40     | 17.45     | 13.70     | 15.00      | 15.85     | 17.55     | 15.90     | 15.50      | 17.35     | 14.20     | 16.00      | 16.95     | 15.40     | 16.50      | 17.40     | 14.10     | 16.50      | 16.30     | 15.00     | 16.00      | 13.00     | 13.00      | 11.00     | 10.40      |            |
| 11.0                                      |            | 13.60      | 14.40      | 12.40     | 13.00     | 14.95     | 12.70     | 12.65      | 13.45     | 15.05     | 14.80     | 13.05      | 14.85     | 13.10     | 13.55      | 14.50     | 14.20     | 14.10      | 14.90     | 13.00     | 14.05      | 15.10     | 14.10     | 14.20      | 13.00     | 13.00      | 11.00     | 10.40      | 9.00       |
| 12.0                                      |            | 11.60      | 12.50      | 10.55     | 11.15     | 13.00     | 11.80     | 10.75      | 11.50     | 13.10     | 13.55     | 11.15      | 12.95     | 12.20     | 11.65      | 12.55     | 13.10     | 12.15      | 12.95     | 12.00     | 12.15      | 13.15     | 13.10     | 12.25      | 13.00     | 12.50      | 11.00     | 10.40      | 9.00       |
| 14.0                                      |            |            |            | 7.75      | 8.30      | 10.15     | 10.15     | 8.00       | 8.75      | 10.25     | 10.65     | 8.40       | 10.05     | 10.60     | 8.85       | 9.70      | 10.85     | 9.30       | 10.10     | 10.40     | 9.30       | 10.30     | 10.60     | 9.45       | 10.40     | 9.65       | 10.20     | 9.90       | 9.00       |
| 16.0                                      |            |            |            | 5.80      | 6.35      | 8.10      | 8.10      | 6.05       | 6.75      | 8.20      | 8.60      | 6.40       | 8.05      | 8.70      | 6.85       | 7.70      | 8.80      | 7.35       | 8.10      | 8.65      | 7.30       | 8.25      | 8.60      | 7.40       | 8.40      | 7.60       | 8.20      | 7.90       | 7.90       |
| 18.0                                      |            |            |            |           |           |           |           | 4.60       | 5.25      | 6.70      | 7.10      | 4.95       | 6.55      | 7.15      | 5.40       | 6.25      | 7.25      | 5.85       | 6.60      | 7.15      | 5.85       | 6.75      | 7.10      | 5.95       | 6.85      | 6.15       | 6.70      | 6.40       | 6.40       |
| 20.0                                      |            |            |            |           |           |           |           | 3.45       | 4.15      | 5.55      | 5.95      | 3.85       | 5.40      | 6.00      | 4.25       | 5.10      | 6.10      | 4.70       | 5.45      | 6.00      | 4.70       | 5.65      | 5.95      | 4.80       | 5.70      | 5.00       | 5.55      | 5.30       | 5.25       |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           | 2.95       | 4.50      | 5.10      | 3.40       | 4.20      | 5.15      | 3.80       | 4.55      | 5.10      | 3.80       | 4.70      | 5.00      | 3.90       | 4.80      | 4.10       | 4.65      | 4.35       | 4.35       |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           | 2.65       | 3.45      | 4.40      | 3.10       | 3.80      | 4.30      | 3.10       | 3.95      | 4.25      | 3.15       | 4.05      | 3.40       | 3.90      | 3.60       | 3.60       |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           | 2.05       | 2.80      | 3.80      | 2.50       | 3.20      | 3.70      | 2.45       | 3.35      | 3.60      | 2.55       | 3.45      | 2.75       | 3.30      | 3.00       | 3.00       |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           | 1.95       | 2.65      | 3.15      | 1.95       | 2.80      | 3.10      | 2.05       | 2.90      | 2.25       | 2.75      | 2.45       | 2.50       |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           | 1.50       | 2.20      | 2.75      | 1.50       | 2.40      | 2.65      | 1.65       | 2.45      | 1.80       | 2.30      | 2.05       | 2.05       |
| 32.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           | 1.15       | 2.00      | 2.25      | 1.20       | 2.10      | 1.40       | 1.95      | 1.65       | 1.65       |
| 34.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           | 0.80       | 1.65      | 1.95      | 0.90       | 1.75      | 1.10       | 1.60      | 1.35       | 1.35       |
| 36.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 1.45      | 0.80       | 1.30      | 1.05       | 1.00       |
| 38.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            | 1.20      |            | 1.05      | 0.80       | 0.80       |
| 40.0                                      |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           | 0.80       |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50      | 22.20     | 17.80     | 18.80      | 20.50     | 17.80     | 18.30      | 18.30     | 17.30     | 17.60      | 16.30     | 15.00     | 16.00      | 13.00     | 13.00      | 11.00     | 10.40      | 9.00       |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | —          | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —         | 22         | —         | 29         | —         | 31         | 38         |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92         | 0         | 0         | 92         | 46        | 0         | 92         | 46        | 0         | 92         | 46        | 0         | 92         | 0         | 92         | 46        | 92         | 100        |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46         | 46        | 0         | 46         | 46        | 0         | 46         | 46        | 0         | 92         | 46        | 46        | 92         | 92        | 92         | 92        | 92         | 100        |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46         | 46        | 0         | 46         | 46        | 46        | 46         | 46        | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 92         | 100        |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 92        | 46         | 46        | 92        | 46         | 46        | 92        | 46         | 92        | 92        | 46         | 92        | 92         | 92        | 92         | 100        |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0          | 46        | 92        | 0          | 46        | 92        | 46         | 92        | 92        | 46         | 92        | 92        | 46         | 92        | 46         | 92        | 92         | 100        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton  |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg      |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8          | 7         | 5         | 6          | 6         | 5         | 5          | 4         | 4         | 4          | 3         | 3         | 3          | 3         | 3          | 2         | 2          | 2          |

(Unit: Metric ton)



## Specification NC3

Outriggers intermediately extended (5.0m) over side,  
with 15.3ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1          | 10        | 11        | 2         | 1          | 11        | 2         | 1          | 12        | 2         | 1          | 2         | 3          | 1         | 5          | 4         | 1          | 6         | 1          | 7          | 1         | 1         | 8    |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|------------|-----------|-----------|------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7          | 8         | 9         | 10        | 11         | 12        | 13        | 14         | 15        | 16        | 17         | 18        | 19         | 20        | 21         | 22        | 23         | 24        | 25         | 26         | 27        | 28        | 29   |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           | 36.9m Boom |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |           |           |      |
| 2.5                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           |      |
| 3.0                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           |      |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30      |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           |      |
| 4.0                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 25.40      | 46.00     | 46.00     | 35.00     | 28.00      |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           |      |
| 4.5                                       | 52.75      | 55.00      | 33.30      | 50.95     | 50.00     | 35.00     | 23.70      | 46.00     | 46.00     | 35.00     | 26.30      | 41.00     | 35.00     | 25.30      |           |           |            |           |            |           |            |           |            |           |            |            |           |           |      |
| 5.0                                       | 42.70      | 45.40      | 31.50      | 41.10     | 41.95     | 35.00     | 22.20      | 41.40     | 42.60     | 35.00     | 24.80      | 40.40     | 35.00     | 23.60      |           |           |            |           |            |           |            |           |            |           |            |            |           |           |      |
| 6.0                                       | 30.45      | 31.40      | 28.60      | 29.05     | 29.80     | 32.30     | 19.80      | 29.35     | 30.35     | 32.40     | 22.30      | 29.85     | 32.15     | 20.90      | 30.50     | 30.00     | 22.50      |           |            |           |            |           |            |           |            |            |           |           |      |
| 7.0                                       | 23.25      | 23.55      | 24.30      | 22.00     | 22.70     | 24.90     | 17.80      | 22.25     | 23.20     | 25.00     | 20.20      | 22.75     | 24.80     | 18.70      | 23.30     | 24.40     | 20.30      | 23.90     | 21.00      | 18.00     |            |           |            |           |            |            |           |           |      |
| 8.0                                       | 18.50      | 18.50      | 19.50      | 17.35     | 18.00     | 20.05     | 16.20      | 17.60     | 18.45     | 20.15     | 18.50      | 18.05     | 20.00     | 16.90      | 18.60     | 19.55     | 18.40      | 19.15     | 20.05      | 17.00     | 19.10      | 16.30     | 15.00      | 16.00     | 13.00      |            |           |           |      |
| 9.0                                       | 15.15      | 15.00      | 16.10      | 14.05     | 14.65     | 16.65     | 14.80      | 14.30     | 15.10     | 16.75     | 17.10      | 14.70     | 16.55     | 15.40      | 15.25     | 16.15     | 16.80      | 15.75     | 16.60      | 15.40     | 15.70      | 16.30     | 15.00      | 15.85     | 13.00      | 13.00      | 11.00     |           |      |
| 10.0                                      |            | 12.40      | 13.55      | 11.55     | 12.15     | 14.10     | 13.70      | 11.80     | 12.60     | 14.20     | 14.65      | 12.20     | 14.00     | 14.20      | 12.70     | 13.60     | 14.80      | 13.25     | 14.05      | 14.10     | 13.20      | 14.25     | 14.60      | 13.35     | 13.00      | 13.00      | 11.00     | 10.40     |      |
| 11.0                                      |            | 10.45      | 11.60      | 9.65      | 10.25     | 12.10     | 12.15      | 9.90      | 10.70     | 12.20     | 12.65      | 10.30     | 12.05     | 12.70      | 10.80     | 11.70     | 12.80      | 11.30     | 12.10      | 12.70     | 11.25      | 12.30     | 12.65      | 11.35     | 12.40      | 11.60      | 11.00     | 10.40     | 9.00 |
| 12.0                                      |            | 8.90       | 10.05      | 8.15      | 8.75      | 10.50     | 10.55      | 8.40      | 9.15      | 10.65     | 11.05      | 8.80      | 10.45     | 11.10      | 9.25      | 10.15     | 11.25      | 9.75      | 10.50      | 11.10     | 9.70       | 10.70     | 11.00      | 9.85      | 10.80      | 10.05      | 10.60     | 10.35     | 9.00 |
| 14.0                                      |            |            |            | 5.90      | 6.45      | 8.15      | 8.20       | 6.15      | 6.80      | 8.25      | 8.70       | 6.50      | 8.10      | 8.75       | 6.90      | 7.75      | 8.85       | 7.40      | 8.15       | 8.75      | 7.35       | 8.30      | 8.65       | 7.50      | 8.45       | 7.70       | 8.30      | 7.95      | 8.00 |
| 16.0                                      |            |            |            | 4.25      | 4.80      | 6.50      | 6.55       | 4.50      | 5.20      | 6.60      | 7.00       | 4.85      | 6.45      | 7.05       | 5.30      | 6.10      | 7.15       | 5.75      | 6.50       | 7.05      | 5.70       | 6.65      | 7.00       | 5.85      | 6.75       | 6.05       | 6.60      | 6.30      | 6.30 |
| 18.0                                      |            |            |            |           |           |           |            | 3.30      | 4.00      | 5.35      | 5.75       | 3.65      | 5.20      | 5.80       | 4.05      | 4.85      | 5.90       | 4.50      | 5.25       | 5.80      | 4.50       | 5.40      | 5.70       | 4.60      | 5.50       | 4.80       | 5.30      | 5.05      | 5.05 |
| 20.0                                      |            |            |            |           |           |           |            | 2.30      | 3.00      | 4.35      | 4.75       | 2.70      | 4.25      | 4.80       | 3.10      | 3.90      | 4.95       | 3.55      | 4.25       | 4.80      | 3.50       | 4.45      | 4.75       | 3.65      | 4.55       | 3.85       | 4.35      | 4.10      | 4.05 |
| 22.0                                      |            |            |            |           |           |           |            |           |           |           |            | 1.90      | 3.45      | 4.00       | 2.35      | 3.10      | 4.15       | 2.80      | 3.50       | 4.05      | 2.75       | 3.65      | 3.95       | 2.90      | 3.75       | 3.05       | 3.55      | 3.30      | 3.30 |
| 24.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            | 1.70      | 2.50      | 3.50       | 2.15      | 2.85       | 3.40      | 2.15       | 3.00      | 3.30       | 2.25      | 3.10       | 2.45       | 2.95      | 2.70      | 2.70 |
| 26.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            | 1.25      | 2.00      | 2.95       | 1.65      | 2.30       | 2.85      | 1.60       | 2.50      | 2.80       | 1.75      | 2.55       | 1.90       | 2.40      | 2.15      | 2.15 |
| 28.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 1.20      | 1.85       | 2.40      | 1.20       | 2.05      | 2.35       | 1.30      | 2.15       | 1.45       | 1.95      | 1.70      | 1.70 |
| 30.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            | 0.80      | 1.50       | 2.00      |            | 1.65      | 1.95       | 0.95      | 1.75       | 1.10       | 1.60      | 1.35      | 1.35 |
| 32.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            | 1.35      | 1.60       |           | 1.40       |            | 1.25      | 1.00      | 1.00 |
| 34.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            | 1.05      | 1.30       |           | 1.15       |            | 1.00      |           |      |
| 36.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           | 0.85       |            |           |           |      |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30      | 19.90     | 21.60     | 23.40     | 18.30      | 19.50     | 22.20     | 17.80      | 18.80     | 20.50     | 17.80      | 18.30     | 18.30      | 17.30     | 17.60      | 16.30     | 15.00      | 16.00     | 13.00      | 13.00      | 11.00     | 10.40     | 9.00 |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —          | —         | —         | —         | —          | —         | —         | —          | —         | —         | —          | —         | —          | —         | 29         | —         | —          | 36        | —          | 40         | 30        | 42        | 48   |
| Telescoping conditions (%)                |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |           |           |      |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0          | 92        | 46        | 0         | 0          | 92        | 0         | 0          | 92        | 46        | 0          | 92        | 46         | 0         | 92         | 46        | 0          | 92        | 0          | 92         | 46        | 92        | 100  |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0          | 46        | 46        | 0         | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46         | 0         | 92         | 46        | 46         | 92        | 92         | 92         | 92        | 92        | 100  |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 46         | 46        | 46         | 92        | 46         | 46        | 92         | 92        | 92         | 92         | 92        | 92        | 100  |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0          | 0         | 0         | 46        | 46         | 0         | 46        | 92         | 46        | 46        | 92         | 46        | 46         | 92        | 46         | 92        | 92         | 46        | 92         | 92         | 92        | 92        | 100  |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92         | 0         | 0         | 46        | 92         | 0         | 46        | 92         | 0         | 46        | 92         | 46        | 92         | 92        | 46         | 92        | 92         | 46        | 92         | 46         | 92        | 92        | 100  |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton  | for 37ton | for 37ton |      |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg      | 400kg     | 400kg     |      |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6          | 9         | 9         | 7         | 6          | 8         | 7         | 5          | 6         | 6         | 5          | 5         | 4          | 4         | 4          | 3         | 3          | 3         | 3          | 3          | 2         | 2         | 2    |

(Unit: Metric ton)

NS

NA

NB

NC

ND

NE

NF

With SL jib

Without SL jib

Specification NC4

Outriggers intermediately extended (4.2m) over side,  
with 15.3ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11        | 2          | 1         | 12        | 2          | 1         | 2         | 3          | 1         | 5         | 4          | 1         | 6         | 1          | 7         | 1          | 1         | 8          |            |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12        | 13         | 14        | 15        | 16         | 17        | 18        | 19         | 20        | 21        | 22         | 23        | 24        | 25         | 26        | 27         | 28        | 29         |            |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 50.65      | 53.80      | 35.00      | 48.90     | 49.85     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 40.40      | 41.95      | 33.30      | 38.85     | 39.70     | 35.00     | 23.70     | 38.80      | 40.10     | 35.00     | 26.30     | 37.00     | 35.00      | 25.30     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 33.40      | 34.10      | 31.50      | 32.00     | 32.75     | 35.00     | 22.20     | 32.25      | 33.30     | 35.00     | 24.80     | 31.95     | 34.70      | 23.60     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 24.35      | 24.35      | 25.40      | 23.10     | 23.80     | 26.05     | 19.80     | 23.35      | 24.30     | 26.15     | 22.30     | 23.85     | 25.95      | 20.90     | 24.35     | 25.50      | 22.50     |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 18.85      | 18.50      | 19.80      | 17.65     | 18.30     | 20.35     | 17.80     | 17.90      | 18.75     | 20.50     | 20.20     | 18.35     | 20.30      | 18.70     | 18.85     | 19.90      | 20.30     | 19.45     | 20.30      | 18.00     |           |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 15.05      | 14.65      | 16.00      | 13.95     | 14.60     | 16.55     | 16.20     | 14.20      | 15.00     | 16.65     | 17.10     | 14.60     | 16.45      | 16.90     | 15.10     | 16.10      | 17.30     | 15.65     | 16.50      | 17.00     | 15.65     | 16.30      | 15.00     | 15.75     | 13.00      |           |            |           |            |            |
| 9.0                                       | 12.35      | 11.90      | 13.20      | 11.25     | 11.85     | 13.80     | 13.75     | 11.50      | 12.30     | 13.85     | 14.30     | 11.95     | 13.65      | 14.35     | 12.40     | 13.30      | 14.45     | 12.90     | 13.75      | 14.35     | 12.85     | 13.95      | 14.30     | 13.05     | 13.00      | 13.00     | 11.95      | 11.15     | 11.00      |            |
| 10.0                                      |            | 9.85       | 11.15      | 9.25      | 9.85      | 11.70     | 11.70     | 9.50       | 10.25     | 11.75     | 12.15     | 9.90      | 11.55      | 12.20     | 10.35     | 11.25      | 12.30     | 10.85     | 11.65      | 12.20     | 10.80     | 11.85      | 12.20     | 10.95     | 11.95      | 11.15     | 11.00      | 10.40     |            |            |
| 11.0                                      |            | 8.25       | 9.50       | 7.65      | 8.25      | 10.05     | 10.05     | 7.90       | 8.65      | 10.10     | 10.50     | 8.30      | 9.90       | 10.50     | 8.75      | 9.65       | 10.60     | 9.25      | 10.00      | 10.55     | 9.20      | 10.20      | 10.50     | 9.35      | 10.30      | 9.55      | 10.10      | 9.80      | 9.00       |            |
| 12.0                                      |            | 7.00       | 8.20       | 6.40      | 6.95      | 8.70      | 8.75      | 6.65       | 7.35      | 8.75      | 9.15      | 7.05      | 8.55       | 9.20      | 7.45      | 8.30       | 9.25      | 7.95      | 8.70       | 9.20      | 7.90      | 8.90       | 9.20      | 8.05      | 8.95       | 8.25      | 8.80       | 8.50      | 8.50       |            |
| 14.0                                      |            |            |            | 4.50      | 5.00      | 6.75      | 6.75      | 4.70       | 5.40      | 6.80      | 7.15      | 5.10      | 6.60       | 7.20      | 5.55      | 6.35       | 7.25      | 6.00      | 6.70       | 7.20      | 5.95      | 6.90       | 7.20      | 6.05      | 6.95       | 6.25      | 6.80       | 6.50      | 6.50       |            |
| 16.0                                      |            |            |            | 3.10      | 3.65      | 5.30      | 5.30      | 3.30       | 4.00      | 5.40      | 5.75      | 3.70      | 5.20       | 5.80      | 4.10      | 4.95       | 5.85      | 4.60      | 5.30       | 5.75      | 4.55      | 5.45       | 5.75      | 4.65      | 5.55       | 4.85      | 5.40       | 5.10      | 5.10       |            |
| 18.0                                      |            |            |            |           |           |           |           | 2.30       | 2.95      | 4.30      | 4.70      | 2.65      | 4.15       | 4.70      | 3.05      | 3.85       | 4.80      | 3.50      | 4.20       | 4.70      | 3.50      | 4.40       | 4.65      | 3.60      | 4.45       | 3.80      | 4.30       | 4.05      | 4.05       |            |
| 20.0                                      |            |            |            |           |           |           |           | 1.45       | 2.15      | 3.45      | 3.85      | 1.85      | 3.35       | 3.90      | 2.25      | 3.00       | 3.95      | 2.65      | 3.35       | 3.85      | 2.65      | 3.55       | 3.85      | 2.75      | 3.65       | 2.95      | 3.45       | 3.20      | 3.20       |            |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           | 1.10      | 2.65       | 3.20      | 1.60      | 2.35       | 3.30      | 2.00      | 2.70       | 3.20      | 2.00      | 2.85       | 3.15      | 2.10      | 2.95       | 2.25      | 2.80       | 2.55      | 2.55       |            |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 0.95      | 1.80       | 2.80      | 1.50      | 2.15       | 2.65      | 1.45      | 2.30       | 2.60      | 1.55      | 2.40       | 1.75      | 2.25       | 2.00      | 2.00       |            |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           | 1.35       | 2.30      | 0.95      | 1.65       | 2.20      | 0.90      | 1.85       | 2.15      | 1.10      | 1.95       | 1.30      | 1.75       | 1.50      | 1.50       |            |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           | 1.30       | 1.80      |           | 1.45       | 1.75      |           | 1.55       | 0.80      | 1.40       | 1.10      | 1.10       |            |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           | 0.95       | 1.45      |           | 1.15       | 1.40      |           | 1.20       |           | 1.05       |           |            |            |
| 32.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           | 0.80       | 1.10      |           | 0.85       |           |            |           |            |            |
| 34.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           | 0.85      |            |           |            |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50     | 22.20      | 17.80     | 18.80     | 20.50      | 17.80     | 18.30     | 18.30      | 17.30     | 15.65     | 16.30      | 15.00     | 15.75     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | —          | —         | —         | —         | —         | —          | —         | 24        | —          | —         | 30        | —          | —         | 40        | —          | —         | 45        | 28         | 49        | 40         | 51        | 56         |            |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92        | 0          | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 0          | 92        | 46         | 92        | 100        |            |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46        | 46         | 0         | 46        | 46         | 46        | 46        | 46         | 92        | 46        | 46         | 92        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0         | 46         | 92        | 46        | 46         | 92        | 46        | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 92         | 92        | 100        |            |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0         | 46         | 92        | 0         | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 46        | 92         | 46        | 92         | 92        | 100        |            |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      |            |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8         | 7          | 5         | 6         | 6          | 5         | 5         | 4          | 4         | 4         | 3          | 3         | 3         | 3          | 3         | 2          | 2         | 2          |            |

(Unit: Metric ton)



**Specification ND2**

Outriggers intermediately extended (6.0m) over side,  
with 7.4ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11        | 2          | 1         | 12        | 2          | 1         | 2         | 3          | 1         | 5         | 4          | 1         | 6         | 1          | 7         | 1          | 1         | 8          |            |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12        | 13         | 14        | 15        | 16         | 17        | 18        | 19         | 20        | 21        | 22         | 23        | 24        | 25         | 26        | 27         | 28        | 29         |            |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 54.85      | 54.30      | 35.00      | 53.90     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 48.15      | 47.60      | 33.30      | 47.20     | 47.75     | 35.00     | 23.70     | 46.00      | 46.00     | 35.00     | 26.30     | 41.00     | 35.00      | 25.30     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 42.80      | 42.25      | 31.50      | 41.40     | 42.40     | 35.00     | 22.20     | 41.75      | 42.70     | 35.00     | 24.80     | 40.25     | 35.00      | 23.60     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 29.35      | 31.90      | 28.60      | 27.75     | 28.60     | 31.35     | 19.80     | 28.05      | 29.20     | 31.50     | 22.30     | 28.65     | 31.25      | 20.90     | 29.05     | 30.00      | 22.50     |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 21.65      | 22.95      | 22.80      | 20.30     | 21.05     | 23.50     | 17.80     | 20.60      | 21.55     | 23.60     | 20.20     | 21.10     | 23.40      | 18.70     | 21.70     | 22.95      | 20.30     | 22.40     | 21.00      | 18.00     |           |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 16.85      | 17.55      | 17.90      | 15.60     | 16.30     | 18.50     | 16.20     | 15.85      | 16.80     | 18.65     | 18.50     | 16.35     | 18.45      | 16.90     | 16.90     | 18.00      | 18.40     | 17.50     | 18.50      | 17.00     | 17.50     | 16.30      | 15.00     | 16.00     | 13.00      |           |            |           |            |            |
| 9.0                                       | 13.50      | 13.90      | 14.50      | 12.35     | 13.00     | 15.10     | 14.80     | 12.60      | 13.50     | 15.20     | 15.75     | 13.05     | 15.00      | 15.40     | 13.60     | 14.60      | 15.90     | 14.20     | 15.10      | 15.40     | 14.10     | 15.30      | 15.00     | 14.30     | 13.00      | 13.00     | 11.00      |           |            |            |
| 10.0                                      |            | 11.30      | 12.05      | 9.95      | 10.60     | 12.65     | 12.65     | 10.25      | 11.05     | 12.75     | 13.20     | 10.65     | 12.50      | 13.25     | 11.20     | 12.15      | 13.40     | 11.70     | 12.60      | 13.25     | 11.70     | 12.80      | 13.20     | 11.80     | 12.95      | 12.10     | 11.00      | 10.40     |            |            |
| 11.0                                      |            | 9.35       | 10.15      | 8.15      | 8.75      | 10.70     | 10.75     | 8.40       | 9.20      | 10.80     | 11.25     | 8.85      | 10.60      | 11.35     | 9.35      | 10.25      | 11.45     | 9.85      | 10.70      | 11.35     | 9.80      | 10.90      | 11.25     | 9.95      | 11.00      | 10.20     | 10.80      | 10.40     | 9.00       |            |
| 12.0                                      |            | 7.85       | 8.65       | 6.75      | 7.35      | 9.20      | 9.25      | 6.95       | 7.75      | 9.30      | 9.75      | 7.35      | 9.15       | 9.80      | 7.85      | 8.75       | 9.95      | 8.40      | 9.15       | 9.80      | 8.30      | 9.35       | 9.70      | 8.50      | 9.50       | 8.70      | 9.30       | 9.00      | 9.00       |            |
| 14.0                                      |            |            |            | 4.60      | 5.20      | 7.00      | 7.05      | 4.85       | 5.60      | 7.10      | 7.50      | 5.25      | 6.90       | 7.60      | 5.70      | 6.60       | 7.70      | 6.20      | 7.00       | 7.60      | 6.20      | 7.15       | 7.50      | 6.30      | 7.25       | 6.50      | 7.10       | 6.80      | 6.80       |            |
| 16.0                                      |            |            |            | 3.10      | 3.70      | 5.45      | 5.50      | 3.40       | 4.10      | 5.55      | 5.95      | 3.75      | 5.40       | 6.00      | 4.20      | 5.05       | 6.10      | 4.70      | 5.40       | 6.00      | 4.65      | 5.60       | 5.95      | 4.75      | 5.70       | 4.95      | 5.55       | 5.20      | 5.25       |            |
| 18.0                                      |            |            |            |           |           |           |           | 2.30       | 2.95      | 4.40      | 4.80      | 2.65      | 4.25       | 4.85      | 3.10      | 3.90       | 4.95      | 3.55      | 4.30       | 4.85      | 3.50      | 4.45       | 4.75      | 3.65      | 4.55       | 3.85      | 4.35       | 4.10      | 4.10       |            |
| 20.0                                      |            |            |            |           |           |           |           | 1.40       | 2.10      | 3.50      | 3.90      | 1.80      | 3.35       | 3.95      | 2.20      | 3.05       | 4.05      | 2.65      | 3.40       | 3.95      | 2.65      | 3.55       | 3.90      | 2.75      | 3.65       | 2.95      | 3.50       | 3.25      | 3.25       |            |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           | 1.10      | 2.65       | 3.25      | 1.55      | 2.35       | 3.35      | 2.00      | 2.70       | 3.25      | 1.95      | 2.85       | 3.20      | 2.05      | 2.95       | 2.25      | 2.80       | 2.50      | 2.55       |            |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           | 1.00      | 1.75       | 2.75      | 1.45      | 2.15       | 2.65      | 1.40      | 2.30       | 2.60      | 1.50      | 2.40       | 1.70      | 2.20       | 1.95      | 1.95       |            |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           | 1.30       | 2.30      | 0.95      | 1.65       | 2.20      | 0.95      | 1.85       | 2.10      | 1.00      | 1.90       | 1.25      | 1.75       | 1.45      | 1.45       |            |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           | 1.25       | 1.80      |           | 1.40       | 1.70      |           | 1.50       | 0.85      | 1.35       | 1.05      | 1.10       |            |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           | 0.90       | 1.45      |           | 1.05       | 1.35      |           | 1.15       |           | 1.00       |           |            |            |
| 32.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           | 0.80       | 1.05      |           | 0.85       |           |            |           |            |            |
| 34.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            | 0.80      |           |            |           |            |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50     | 22.20      | 17.80     | 18.80     | 20.50      | 17.80     | 18.30     | 18.30      | 17.30     | 17.50     | 16.30      | 15.00     | 16.00     | 13.00      | 13.00     | 11.00      | 10.40     | 9.00       |            |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | —          | —         | —         | —         | —         | —          | —         | —         | —          | —         | 28        | —          | —         | 38        | —          | —         | 45        | 28         | 49        | 39         | 51        | 56         |            |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92        | 0          | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 0          | 92        | 46         | 92        | 100        |            |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46        | 46         | 0         | 46        | 46         | 46        | 46        | 46         | 92        | 46        | 46         | 92        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0         | 46         | 92        | 46        | 46         | 92        | 46        | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 92         | 92        | 100        |            |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0         | 46         | 92        | 0         | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 46        | 92         | 46        | 92         | 92        | 100        |            |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      |            |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8         | 7          | 5         | 6         | 6          | 5         | 5         | 4          | 4         | 4         | 4          | 3         | 3         | 3          | 3         | 2          | 2         | 2          |            |

(Unit: Metric ton)



**Specification ND3**

Outriggers intermediately extended (5.0m) over side,  
with 7.4ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1          | 10        | 11        | 2         | 1          | 11        | 2         | 1          | 12        | 2         | 1          | 2         | 3         | 1          | 5         | 4         | 1          | 6         | 1          | 7         | 1          | 1          | 8    |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7          | 8         | 9         | 10        | 11         | 12        | 13        | 14         | 15        | 16        | 17         | 18        | 19        | 20         | 21        | 22        | 23         | 24        | 25         | 26        | 27         | 28         | 29   |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |      |
| 2.5                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 3.0                                       | 55.00      |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30      |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 4.0                                       | 50.30      | 53.95      | 35.00      | 47.90     | 49.25     | 35.00     | 25.40      | 44.25     | 45.80     | 35.00     | 28.00      |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 4.5                                       | 38.65      | 42.45      | 33.30      | 36.85     | 37.85     | 35.00     | 23.70      | 36.35     | 37.80     | 35.00     | 26.30      | 34.55     | 35.00     | 25.30      |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 5.0                                       | 31.10      | 33.30      | 31.50      | 29.50     | 30.35     | 33.15     | 22.20      | 29.80     | 30.95     | 33.35     | 24.80      | 29.30     | 32.35     | 23.60      |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 6.0                                       | 21.90      | 22.65      | 23.00      | 20.45     | 21.25     | 23.65     | 19.80      | 20.75     | 21.80     | 23.80     | 22.30      | 21.30     | 23.55     | 20.90      | 21.75     | 23.10     | 22.50      |           |           |            |           |           |            |           |            |           |            |            |      |
| 7.0                                       | 16.40      | 16.70      | 17.45      | 15.20     | 15.90     | 18.10     | 17.80      | 15.45     | 16.35     | 18.20     | 18.70      | 15.95     | 18.00     | 18.70      | 16.50     | 17.55     | 18.95      | 17.10     | 18.05     | 18.00      |           |           |            |           |            |           |            |            |      |
| 8.0                                       | 12.85      | 12.90      | 13.85      | 11.70     | 12.35     | 14.40     | 14.45      | 11.95     | 12.80     | 14.50     | 15.00      | 12.40     | 14.30     | 15.10      | 12.90     | 13.90     | 15.20      | 13.50     | 14.40     | 15.10      | 13.45     | 14.60     | 15.00      | 13.60     | 13.00      |           |            |            |      |
| 9.0                                       | 10.30      | 10.25      | 11.25      | 9.20      | 9.80      | 11.80     | 11.85      | 9.45      | 10.30     | 11.95     | 12.40      | 9.90      | 11.75     | 12.45      | 10.40     | 11.35     | 12.55      | 10.95     | 11.80     | 12.45      | 10.90     | 12.00     | 12.35      | 11.05     | 12.10      | 11.20     | 11.00      |            |      |
| 10.0                                      |            | 8.30       | 9.35       | 7.40      | 8.00      | 9.85      | 9.90       | 7.60      | 8.40      | 9.95      | 10.40      | 8.00      | 9.80      | 10.50      | 8.50      | 9.45      | 10.60      | 9.00      | 9.85      | 10.50      | 9.00      | 10.05     | 10.40      | 9.15      | 10.15      | 9.35      | 10.00      | 9.65       |      |
| 11.0                                      |            | 6.80       | 7.85       | 5.95      | 6.55      | 8.35      | 8.40       | 6.15      | 6.95      | 8.50      | 8.90       | 6.55      | 8.30      | 9.00       | 7.05      | 7.95      | 9.10       | 7.55      | 8.35      | 9.00       | 7.50      | 8.50      | 8.90       | 7.65      | 8.65       | 7.85      | 8.45       | 8.15       |      |
| 12.0                                      |            | 5.65       | 6.65       | 4.80      | 5.35      | 7.20      | 7.20       | 5.00      | 5.80      | 7.30      | 7.70       | 5.45      | 7.10      | 7.75       | 5.90      | 6.75      | 7.85       | 6.40      | 7.15      | 7.75       | 6.35      | 7.35      | 7.70       | 6.45      | 7.45       | 6.70      | 7.25       | 6.95       |      |
| 14.0                                      |            |            |            | 3.10      | 3.65      | 5.40      | 5.40       | 3.30      | 4.05      | 5.50      | 5.90       | 3.70      | 5.30      | 5.95       | 4.15      | 5.00      | 6.05       | 4.65      | 5.35      | 5.90       | 4.60      | 5.55      | 5.85       | 4.70      | 5.65       | 4.90      | 5.50       | 5.20       |      |
| 16.0                                      |            |            |            | 1.85      | 2.40      | 4.10      | 4.15       | 2.10      | 2.80      | 4.20      | 4.60       | 2.50      | 4.05      | 4.65       | 2.90      | 3.75      | 4.75       | 3.35      | 4.10      | 4.65       | 3.35      | 4.30      | 4.55       | 3.45      | 4.35       | 3.70      | 4.20       | 3.90       |      |
| 18.0                                      |            |            |            |           |           |           |            | 1.20      | 1.85      | 3.25      | 3.65       | 1.55      | 3.10      | 3.70       | 2.00      | 2.80      | 3.80       | 2.45      | 3.15      | 3.70       | 2.40      | 3.30      | 3.60       | 2.50      | 3.40       | 2.75      | 3.25       | 2.95       |      |
| 20.0                                      |            |            |            |           |           |           |            |           | 1.15      | 2.55      | 2.90       |           | 2.35      | 2.95       | 1.25      | 2.05      | 3.05       | 1.70      | 2.40      | 2.95       | 1.65      | 2.55      | 2.85       | 1.80      | 2.65       | 2.00      | 2.50       | 2.25       |      |
| 22.0                                      |            |            |            |           |           |           |            |           |           |           |            |           | 1.80      | 2.35       |           | 1.45      | 2.45       | 1.15      | 1.80      | 2.35       | 1.10      | 1.95      | 2.25       | 1.20      | 2.05       | 1.40      | 1.95       | 1.65       |      |
| 24.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           | 1.00      | 1.95       |           | 1.35      | 1.85       |           | 1.50      | 1.80       |           | 1.60       |           | 1.45       | 1.15       |      |
| 26.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           | 1.55       |           | 0.95      | 1.45       |           | 1.10      | 1.40       |           | 1.20       |           | 1.05       |            |      |
| 28.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           | 1.10       |           | 0.80      | 1.05       |           | 0.85       |           |            |            |      |
| 30.0                                      |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            | 0.85      |           | 0.80       |           |            |           |            |            |      |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30      | 19.90     | 21.60     | 23.40     | 18.30      | 19.50     | 22.20     | 17.80      | 18.80     | 20.50     | 17.80      | 17.10     | 18.05     | 17.30      | 13.45     | 14.60     | 15.00      | 13.60     | 13.00      | 11.20     | 11.00      | 9.65       | 8.15 |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —          | 23        | —         | —         | —          | 34        | —         | —          | 37        | —         | —          | 40        | 26        | —          | 50        | 34        | 25         | 55        | 40         | 58        | 50         | 63         |      |
| Telescoping conditions (%)                |            |            |            |           |           |           |            |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |      |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0          | 92        | 46        | 0         | 0          | 92        | 0         | 0          | 92        | 46        | 0          | 92        | 46        | 0          | 92        | 46        | 0          | 92        | 0          | 92        | 46         | 92         | 100  |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0          | 46        | 46        | 0         | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 0          | 92        | 46        | 46         | 92        | 92         | 92        | 92         | 92         | 100  |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0          | 0         | 46        | 46        | 0          | 46        | 46        | 0          | 46        | 46        | 46         | 46        | 46        | 92         | 46        | 46        | 92         | 92        | 92         | 92        | 92         | 92         | 100  |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0          | 0         | 0         | 46        | 46         | 0         | 46        | 92         | 46        | 46        | 92         | 46        | 46        | 92         | 46        | 92        | 92         | 46        | 92         | 92        | 92         | 92         | 100  |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92         | 0         | 0         | 46        | 92         | 0         | 46        | 92         | 0         | 46        | 92         | 46        | 92        | 46         | 92        | 92        | 46         | 92        | 46         | 92        | 46         | 92         | 100  |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton  | for 55ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton  |      |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 630kg     | 400kg     | 400kg      | 630kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg      |      |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6          | 9         | 9         | 7         | 6          | 8         | 7         | 5          | 6         | 6         | 5          | 5         | 4         | 4          | 4         | 3         | 3          | 3         | 3          | 3         | 2          | 2          |      |

(Unit: Metric ton)

NS

NA

NB

NC

ND

NE

NF

With SL jib

Without SL jib

**Specification ND4**

 Outriggers intermediately extended (4.2m) over side,  
 with 7.4ton counterweight mounted to crane

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11        | 2          | 1         | 12        | 2          | 1         | 2         | 3          | 1         | 5         | 4          | 1         | 6         | 1          | 7         | 1          | 1         | 8          |            |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12        | 13         | 14        | 15        | 16         | 17        | 18        | 19         | 20        | 21        | 22         | 23        | 24        | 25         | 26        | 27         | 28        | 29         |            |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 48.65      | 49.45      | 35.00      | 43.70     | 45.00     | 35.00     | 27.30     |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 36.55      | 39.15      | 35.00      | 34.85     | 35.75     | 35.00     | 25.40     | 32.65      | 34.05     | 35.00     | 28.00     |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 28.95      | 30.25      | 30.20      | 27.40     | 28.25     | 31.00     | 23.70     | 27.20      | 28.50     | 31.10     | 26.30     | 26.10     | 29.00      | 25.30     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 23.75      | 24.35      | 24.90      | 22.25     | 23.05     | 25.55     | 22.20     | 22.60      | 23.60     | 25.75     | 24.80     | 22.35     | 25.10      | 23.60     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 17.00      | 17.05      | 18.05      | 15.75     | 16.45     | 18.65     | 18.70     | 16.00      | 16.90     | 18.80     | 19.30     | 16.50     | 18.60      | 19.40     | 16.85     | 18.15      | 19.55     |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 12.85      | 12.70      | 13.85      | 11.70     | 12.35     | 14.45     | 14.45     | 11.95      | 12.80     | 14.50     | 15.00     | 12.40     | 14.30      | 15.10     | 12.95     | 13.90      | 15.20     | 13.50     | 14.40      | 15.05     |           |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 10.10      | 9.80       | 11.00      | 8.95      | 9.55      | 11.55     | 11.55     | 9.20       | 10.00     | 11.65     | 12.10     | 9.60      | 11.45      | 12.20     | 10.10     | 11.05      | 12.30     | 10.65     | 11.50      | 12.20     | 10.65     | 11.70      | 12.10     | 10.75     | 11.75      |           |            |           |            |            |
| 9.0                                       | 8.05       | 7.75       | 8.95       | 7.00      | 7.60      | 9.50      | 9.50      | 7.20       | 8.00      | 9.55      | 10.00     | 7.65      | 9.40       | 10.05     | 8.10      | 9.05       | 10.20     | 8.65      | 9.45       | 10.05     | 8.60      | 9.65       | 10.00     | 8.75      | 9.75       | 8.75      | 9.55       |           |            |            |
| 10.0                                      |            | 6.25       | 7.40       | 5.50      | 6.10      | 7.90      | 7.95      | 5.75       | 6.45      | 8.00      | 8.40      | 6.10      | 7.85       | 8.45      | 6.60      | 7.45       | 8.60      | 7.05      | 7.85       | 8.50      | 7.05      | 8.05       | 8.40      | 7.20      | 8.15       | 7.40      | 8.00       | 7.65      |            |            |
| 11.0                                      |            | 5.05       | 6.15       | 4.35      | 4.90      | 6.65      | 6.70      | 4.55       | 5.25      | 6.75      | 7.20      | 4.90      | 6.60       | 7.25      | 5.35      | 6.25       | 7.35      | 5.85      | 6.60       | 7.25      | 5.85      | 6.80       | 7.15      | 5.95      | 6.90       | 6.15      | 6.75       | 6.45      | 6.45       |            |
| 12.0                                      |            | 4.10       | 5.20       | 3.40      | 3.95      | 5.65      | 5.70      | 3.60       | 4.30      | 5.80      | 6.20      | 3.95      | 5.60       | 6.25      | 4.40      | 5.25       | 6.35      | 4.90      | 5.65       | 6.25      | 4.85      | 5.80       | 6.15      | 4.95      | 5.95       | 5.20      | 5.75       | 5.45      | 5.50       |            |
| 14.0                                      |            |            |            | 1.95      | 2.50      | 4.15      | 4.20      | 2.20       | 2.85      | 4.25      | 4.70      | 2.55      | 4.15       | 4.75      | 2.95      | 3.80       | 3.75      | 3.40      | 4.15       | 4.75      | 3.40      | 4.30       | 4.65      | 3.50      | 4.45       | 3.70      | 4.25       | 4.00      | 4.00       |            |
| 16.0                                      |            |            |            | 0.95      | 1.45      | 3.15      | 3.15      | 1.15       | 1.85      | 3.20      | 3.60      | 1.55      | 3.05       | 3.65      | 1.90      | 2.70       | 2.95      | 2.35      | 3.10       | 3.65      | 2.35      | 3.25       | 3.60      | 2.45      | 3.35       | 2.65      | 3.20       | 2.90      | 2.90       |            |
| 18.0                                      |            |            |            |           |           |           |           |            | 1.05      | 2.40      | 2.75      |           | 2.25       | 2.85      | 1.15      | 1.90       | 2.30      | 1.60      | 2.30       | 2.80      | 1.55      | 2.45       | 2.75      | 1.70      | 2.55       | 1.85      | 2.35       | 2.10      | 2.15       |            |
| 20.0                                      |            |            |            |           |           |           |           |            |           | 1.80      | 2.15      |           | 1.60       | 2.20      |           | 1.30       | 1.80      |           | 1.65       | 2.20      |           | 1.80       | 2.10      |           | 1.90       |           | 1.75       | 1.50      |            |            |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           |           | 1.10       | 1.65      |           | 0.80       | 1.35      |           | 1.15       | 1.65      |           | 1.30       | 1.60      |           | 1.40       |           | 1.25       |           |            |            |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            | 1.20      |           |            | 1.25      |           | 0.90       | 1.20      |           | 1.00       |           |            |           |            |            |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            | 1.10      |           |            | 0.90      |           |            | 0.85      |           |            |           |            |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50     | 22.20      | 17.80     | 16.85     | 18.15      | 17.80     | 13.50     | 14.40      | 15.05     | 10.65     | 11.70      | 12.10     | 10.75     | 11.75      | 8.75      | 9.55       | 7.65      | 6.45       |            |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | 36         | 25        | —         | —         | 46        | —          | —         | 48        | 35         | —         | 51        | 39         | 26        | 58        | 44         | 38        | 62        | 50         | 64        | 58         | 65        | 68         |            |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92        | 0          | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 0          | 92        | 46         | 92        | 100        |            |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46        | 46         | 0         | 46        | 46         | 46        | 46        | 46         | 92        | 46        | 46         | 92        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0         | 46         | 92        | 46        | 46         | 92        | 46        | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 92         | 92        | 100        |            |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0         | 46         | 92        | 0         | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 46        | 92         | 46        | 92         | 92        | 100        |            |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      |            |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8         | 7          | 5         | 6         | 6          | 5         | 5         | 4          | 4         | 4         | 3          | 3         | 3         | 3          | 3         | 2          | 2         | 2          |            |

(Unit: Metric ton)



**Specification NE1**

Outriggers fully extended (7.2m) 360° full range,  
without counterweight

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11        | 2          | 1         | 12        | 2          | 1         | 2         | 3          | 1         | 5          | 4         | 1          | 6         | 1          | 7         | 1          | 1          | 8   |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|------------|-----|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12        | 13         | 14        | 15        | 16         | 17        | 18        | 19         | 20        | 21         | 22        | 23         | 24        | 25         | 26        | 27         | 28         | 29  |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           | 36.9m Boom |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |     |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |     |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |     |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |     |
| 4.0                                       | 50.55      | 49.95      | 35.00      | 49.55     | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |     |
| 4.5                                       | 44.35      | 43.70      | 33.30      | 43.35     | 43.85     | 35.00     | 23.70     | 43.50      | 44.20     | 35.00     | 26.30     | 41.00     | 35.00      | 25.30     |           |            |           |           |            |           |            |           |            |           |            |           |            |            |     |
| 5.0                                       | 39.35      | 38.75      | 31.50      | 38.35     | 38.90     | 35.00     | 22.20     | 38.55      | 39.20     | 35.00     | 24.80     | 38.90     | 35.00      | 23.60     |           |            |           |           |            |           |            |           |            |           |            |           |            |            |     |
| 6.0                                       | 29.30      | 31.35      | 28.60      | 27.45     | 28.45     | 31.70     | 19.80     | 27.85      | 29.20     | 31.90     | 22.30     | 28.55     | 31.55      | 20.90     | 28.60     | 30.00      | 22.50     |           |            |           |            |           |            |           |            |           |            |            |     |
| 7.0                                       | 20.65      | 23.30      | 21.95      | 19.10     | 19.95     | 22.70     | 17.80     | 19.45      | 20.55     | 22.85     | 20.20     | 20.00     | 22.60      | 18.70     | 20.70     | 22.05      | 20.30     | 21.45     | 21.00      | 18.00     |            |           |            |           |            |           |            |            |     |
| 8.0                                       | 15.50      | 17.20      | 16.65      | 14.10     | 14.90     | 17.40     | 16.20     | 14.40      | 15.45     | 17.55     | 18.10     | 14.95     | 17.30      | 16.90     | 15.60     | 16.80      | 18.35     | 16.30     | 17.35      | 17.00     | 16.25      | 16.30     | 15.00      | 16.00     | 13.00      |           |            |            |     |
| 9.0                                       | 12.10      | 13.25      | 13.20      | 10.85     | 11.55     | 13.90     | 13.90     | 11.15      | 12.05     | 14.00     | 14.50     | 11.60     | 13.75      | 14.60     | 12.20     | 13.35      | 14.75     | 12.85     | 13.80      | 14.60     | 12.80      | 14.05     | 14.50      | 12.95     | 13.00      | 13.00     | 11.00      |            |     |
| 10.0                                      |            | 10.50      | 10.75      | 8.50      | 9.20      | 11.35     | 11.40     | 8.80       | 9.70      | 11.45     | 12.00     | 9.25      | 11.30      | 12.05     | 9.80      | 10.85      | 12.20     | 10.40     | 11.30      | 12.05     | 10.35      | 11.55     | 11.95      | 10.50     | 11.70      | 10.80     | 11.00      | 10.40      |     |
| 11.0                                      |            | 8.50       | 8.90       | 6.80      | 7.45      | 9.50      | 9.50      | 7.00       | 7.85      | 9.60      | 10.10     | 7.45      | 9.40       | 10.15     | 8.00      | 9.00       | 10.25     | 8.55      | 9.45       | 10.15     | 8.50       | 9.65      | 10.05      | 8.65      | 9.80       | 8.95      | 9.55       | 9.25       |     |
| 12.0                                      |            | 6.95       | 7.45       | 5.45      | 6.05      | 8.05      | 8.05      | 5.65       | 6.50      | 8.15      | 8.65      | 6.10      | 7.95       | 8.70      | 6.60      | 7.60       | 8.80      | 7.15      | 8.00       | 8.70      | 7.15       | 8.20      | 8.60       | 7.25      | 8.35       | 7.50      | 8.15       | 7.80       |     |
| 14.0                                      |            |            |            | 3.45      | 4.05      | 5.95      | 5.95      | 3.70       | 4.45      | 6.05      | 6.45      | 4.10      | 5.85       | 6.55      | 4.60      | 5.50       | 6.65      | 5.10      | 5.90       | 6.55      | 5.05       | 6.15      | 6.45       | 5.20      | 6.25       | 5.40      | 6.05       | 5.70       |     |
| 16.0                                      |            |            |            | 2.05      | 2.65      | 4.50      | 4.50      | 2.35       | 3.10      | 4.60      | 5.00      | 2.70      | 4.40       | 5.05      | 3.20      | 4.05       | 5.20      | 3.70      | 4.45       | 5.05      | 3.65       | 4.65      | 5.00       | 3.75      | 4.75       | 4.00      | 4.55       | 4.30       |     |
| 18.0                                      |            |            |            |           |           |           |           | 1.30       | 2.05      | 3.50      | 3.95      | 1.75      | 3.35       | 4.00      | 2.15      | 3.00       | 4.10      | 2.65      | 3.40       | 3.95      | 2.60       | 3.60      | 3.90       | 2.75      | 3.65       | 2.95      | 3.50       | 3.20       |     |
| 20.0                                      |            |            |            |           |           |           |           |            | 1.30      | 2.70      | 3.10      | 0.95      | 2.55       | 3.15      | 1.40      | 2.25       | 3.30      | 1.85      | 2.60       | 3.15      | 1.85       | 2.80      | 3.10       | 1.95      | 2.90       | 2.15      | 2.70       | 2.40       |     |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           |           | 1.95       | 2.55      |           | 1.60       | 2.60      | 1.25      | 1.95       | 2.50      | 1.20       | 2.15      | 2.45       | 1.30      | 2.25       | 1.50      | 2.05       | 1.75       |     |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           | 1.10       | 2.10      |           | 1.45       | 1.95      |            | 1.60      | 1.90       |           | 1.70       |           | 1.55       | 1.25       |     |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            | 1.65      |           | 1.00       | 1.55      |            | 1.20      | 1.50       |           | 1.30       |           | 1.10       |            |     |
| 28.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            | 1.20      |            | 0.80      | 1.15       |           | 0.90       |           |            |            |     |
| 30.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           | 0.90       |           | 0.80       |           |            |           |            |            |     |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50     | 22.20      | 17.80     | 18.80     | 20.50      | 17.80     | 18.30     | 18.30      | 17.30     | 16.25      | 16.30     | 15.00      | 16.00     | 13.00      | 13.00     | 11.00      | 10.40      |     |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | —          | —         | —         | —         | 31        | —          | —         | 41        | —          | —         | 44        | 22         | —         | 48         | 30        | 21         | 53        | 38         | 56        | 49         | 61         |     |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |            |           |            |           |            |           |            |            |     |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92        | 0          | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92         | 46        | 0          | 92        | 0          | 92        | 46         | 92         | 100 |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 92         | 46        | 46         | 92        | 92         | 92        | 92         | 92         | 100 |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46        | 46         | 0         | 46        | 46         | 46        | 46        | 46         | 92        | 46         | 46        | 92         | 92        | 92         | 92        | 92         | 92         | 100 |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0         | 46         | 92        | 46        | 46         | 92        | 46        | 46         | 92        | 46         | 92        | 92         | 46        | 92         | 92        | 92         | 92         | 100 |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0         | 46         | 92        | 0         | 46         | 92        | 46        | 92         | 46        | 92         | 92        | 46         | 92        | 46         | 92        | 46         | 92         | 100 |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton  |     |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      | 400kg      |     |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8         | 7          | 5         | 6         | 6          | 5         | 5         | 4          | 4         | 4          | 3         | 3          | 3         | 3          | 3         | 2          | 2          |     |

(Unit: Metric ton)

**Specification NE2**

 Outriggers intermediately extended (6.0m) over side,  
 without counterweight

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11        | 2          | 1         | 12        | 2          | 1         | 2         | 3          | 1         | 5         | 4          | 1         | 6         | 1          | 7         | 1          | 1         | 8          |            |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12        | 13         | 14        | 15        | 16         | 17        | 18        | 19         | 20        | 21        | 22         | 23        | 24        | 25         | 26        | 27         | 28        | 29         |            |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 55.00      | 55.00      | 35.00      | 55.00     | 50.00     | 35.00     | 27.30     |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 50.55      | 49.95      | 35.00      | 49.55     | 50.00     | 35.00     | 25.40     | 45.00      | 46.00     | 35.00     | 28.00     |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 39.30      | 43.70      | 33.30      | 37.15     | 38.30     | 35.00     | 23.70     | 35.55      | 37.25     | 35.00     | 26.30     | 33.50     | 35.00      | 25.30     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 30.25      | 34.80      | 31.50      | 28.40     | 29.40     | 32.75     | 22.20     | 28.80      | 30.15     | 32.90     | 24.80     | 27.70     | 31.15      | 23.60     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 20.10      | 22.00      | 21.40      | 18.55     | 19.40     | 22.15     | 19.80     | 18.90      | 20.00     | 22.30     | 22.30     | 19.45     | 22.05      | 20.90     | 19.75     | 21.45      | 22.50     |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 14.60      | 15.50      | 15.70      | 13.20     | 13.95     | 16.35     | 16.45     | 13.45      | 14.45     | 16.50     | 17.10     | 14.00     | 16.25      | 17.20     | 14.60     | 15.80      | 17.35     | 15.30     | 16.30      | 17.15     |           |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 11.05      | 11.55      | 12.10      | 9.80      | 10.45     | 12.70     | 12.80     | 10.05      | 11.00     | 12.85     | 13.40     | 10.55     | 12.65      | 13.45     | 11.10     | 12.20      | 13.60     | 11.70     | 12.70      | 13.45     | 11.70     | 12.95      | 13.35     | 11.85     | 13.00      |           |            |           |            |            |
| 9.0                                       | 8.60       | 8.90       | 9.60       | 7.45      | 8.10      | 10.20     | 10.25     | 7.70       | 8.55      | 10.30     | 10.80     | 8.15      | 10.15      | 10.90     | 8.70      | 9.75       | 11.05     | 9.25      | 10.15      | 10.90     | 9.25      | 10.40      | 10.80     | 9.40      | 10.50      | 9.50      | 10.30      |           |            |            |
| 10.0                                      |            | 7.00       | 7.80       | 5.75      | 6.40      | 8.40      | 8.40      | 5.95       | 6.80      | 8.45      | 8.95      | 6.40      | 8.30       | 9.05      | 6.90      | 7.90       | 9.15      | 7.50      | 8.35       | 9.05      | 7.40      | 8.55       | 8.95      | 7.55      | 8.70       | 7.80      | 8.45       | 8.15      |            |            |
| 11.0                                      |            | 5.60       | 6.45       | 4.40      | 5.05      | 7.00      | 7.00      | 4.65       | 5.45      | 7.10      | 7.50      | 5.10      | 6.90       | 7.60      | 5.60      | 6.55       | 7.70      | 6.10      | 6.95       | 7.60      | 6.10      | 7.15       | 7.50      | 6.20      | 7.25       | 6.45      | 7.05       | 6.75      | 6.75       |            |
| 12.0                                      |            | 4.50       | 5.35       | 3.40      | 4.00      | 5.85      | 5.90      | 3.60       | 4.40      | 5.95      | 6.40      | 4.05      | 5.80       | 6.45      | 4.50      | 5.40       | 6.60      | 5.05      | 5.85       | 6.45      | 5.00      | 6.00       | 6.40      | 5.15      | 6.15       | 5.35      | 5.95       | 5.65      | 5.65       |            |
| 14.0                                      |            |            |            | 1.85      | 2.40      | 4.25      | 4.25      | 2.10       | 2.85      | 4.35      | 4.75      | 2.50      | 4.15       | 4.85      | 2.95      | 3.85       | 4.95      | 3.45      | 4.25       | 4.85      | 3.45      | 4.40       | 4.75      | 3.55      | 4.50       | 3.75      | 4.30       | 4.00      | 4.05       |            |
| 16.0                                      |            |            |            | 0.80      | 1.35      | 3.10      | 3.15      | 1.05       | 1.75      | 3.20      | 3.60      | 1.40      | 3.05       | 3.65      | 1.85      | 2.70       | 3.80      | 2.35      | 3.05       | 3.65      | 2.30      | 3.25       | 3.55      | 2.40      | 3.40       | 2.65      | 3.20       | 2.90      | 2.90       |            |
| 18.0                                      |            |            |            |           |           |           |           |            | 0.95      | 2.35      | 2.75      |           | 2.20       | 2.80      | 1.05      | 1.85       | 2.95      | 1.50      | 2.25       | 2.80      | 1.50      | 2.40       | 2.70      | 1.60      | 2.50       | 1.80      | 2.30       | 2.05      | 2.05       |            |
| 20.0                                      |            |            |            |           |           |           |           |            |           | 1.70      | 2.10      |           | 1.55       | 2.15      |           | 1.25       | 2.25      |           | 1.60       | 2.15      |           | 1.75       | 2.05      |           | 1.85       |           | 1.65       | 1.40      |            |            |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           |           | 1.00       | 1.60      |           |            | 1.75      |           | 1.05       | 1.60      |           | 1.25       | 1.55      |           | 1.35       |           | 1.20       |           |            |            |
| 24.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            | 1.30      |           |            | 1.20      |           | 0.80       | 1.10      |           | 0.90       |           |            |           |            |            |
| 26.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            | 0.95      |           |            | 0.80      |           |            |           |           |            |           |            |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50     | 22.20      | 17.80     | 18.80     | 20.50      | 17.80     | 15.30     | 16.30      | 17.15     | 11.70     | 12.95      | 13.35     | 11.85     | 13.00      | 9.50      | 10.30      | 8.15      | 6.75       |            |
| Min. boom angle (°)                       | —          | —          | —          | —         | —         | —         | —         | 36         | 24        | —         | —         | 46        | —          | —         | 49        | 41         | —         | 52        | 39         | 26        | 58        | 45         | 45        | 62        | 51         | 64        | 58         | 65        | 68         |            |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92        | 0          | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 0          | 92        | 46         | 92        | 100        |            |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46        | 46         | 0         | 46        | 46         | 46        | 46        | 46         | 92        | 46        | 46         | 92        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0         | 46         | 92        | 46        | 46         | 92        | 46        | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 92         | 92        | 100        |            |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0         | 46         | 92        | 0         | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 46        | 92         | 46        | 92         | 92        | 100        |            |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      |            |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8         | 7          | 5         | 6         | 6          | 5         | 5         | 4          | 4         | 4         | 3          | 3         | 3         | 3          | 3         | 2          | 2         | 2          |            |

(Unit: Metric ton)



**Specification NE3**

Outriggers intermediately extended (5.0m) over side,  
without counterweight

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11        | 2          | 1         | 12        | 2          | 1         | 2         | 3          | 1         | 5         | 4          | 1         | 6         | 1          | 7         | 1          | 1         | 8          |            |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12        | 13         | 14        | 15        | 16         | 17        | 18        | 19         | 20        | 21        | 22         | 23        | 24        | 25         | 26        | 27         | 28        | 29         |            |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 49.10      | 48.65      | 35.00      | 41.85     | 43.40     | 35.00     | 27.30     |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 34.65      | 36.75      | 35.00      | 32.20     | 33.55     | 35.00     | 25.40     | 29.70      | 31.30     | 34.65     | 28.00     |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 26.35      | 29.05      | 27.75      | 24.55     | 25.50     | 28.65     | 23.70     | 24.05      | 25.50     | 28.55     | 26.30     | 22.95     | 26.25      | 25.30     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 20.95      | 22.50      | 22.25      | 19.35     | 20.20     | 23.05     | 22.20     | 19.70      | 20.80     | 23.20     | 23.85     | 19.25     | 22.30      | 23.60     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 14.35      | 14.95      | 15.50      | 12.95     | 13.70     | 16.15     | 16.25     | 13.25      | 14.25     | 16.30     | 16.85     | 13.80     | 16.10      | 16.95     | 14.05     | 15.55      | 17.10     |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 10.45      | 10.65      | 11.50      | 9.20      | 9.90      | 12.10     | 12.20     | 9.45       | 10.40     | 12.25     | 12.75     | 9.95      | 12.05      | 12.85     | 10.55     | 11.60      | 13.00     | 11.05     | 12.05      | 12.85     |           |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 7.90       | 7.95       | 8.90       | 6.75      | 7.40      | 9.45      | 9.50      | 7.00       | 7.85      | 9.55      | 10.05     | 7.45      | 9.35       | 10.15     | 8.00      | 9.00       | 10.25     | 8.55      | 9.40       | 10.15     | 8.45      | 9.65       | 10.05     | 8.55      | 9.65       |           |            |           |            |            |
| 9.0                                       | 6.10       | 6.05       | 7.05       | 4.95      | 5.60      | 7.60      | 7.60      | 5.20       | 6.05      | 7.70      | 8.15      | 5.65      | 7.55       | 8.25      | 6.15      | 7.10       | 8.35      | 6.70      | 7.55       | 8.25      | 6.65      | 7.75       | 8.15      | 6.80      | 7.90       | 6.80      | 7.65       |           |            |            |
| 10.0                                      |            | 4.65       | 5.65       | 3.70      | 4.30      | 6.20      | 6.20      | 3.90       | 4.70      | 6.25      | 6.70      | 4.35      | 6.10       | 6.80      | 4.85      | 5.75       | 6.90      | 5.35      | 6.15       | 6.80      | 5.30      | 6.35       | 6.75      | 5.45      | 6.45       | 5.60      | 6.25       | 6.00      |            |            |
| 11.0                                      |            | 3.60       | 4.60       | 2.70      | 3.25      | 5.10      | 5.15      | 2.90       | 3.65      | 5.20      | 5.65      | 3.30      | 5.05       | 5.70      | 3.75      | 4.65       | 5.80      | 4.25      | 5.05       | 5.70      | 4.25      | 5.25       | 5.60      | 4.35      | 5.35       | 4.60      | 5.20       | 4.85      | 4.90       |            |
| 12.0                                      |            | 2.80       | 3.75       | 1.90      | 2.45      | 4.20      | 4.25      | 2.10       | 2.80      | 4.35      | 4.75      | 2.45      | 4.20       | 4.80      | 2.95      | 3.80       | 4.95      | 3.45      | 4.20       | 4.80      | 3.40      | 4.40       | 4.75      | 3.50      | 4.50       | 3.75      | 4.30       | 4.05      | 4.00       |            |
| 14.0                                      |            |            |            |           | 1.20      | 2.95      | 2.95      |            | 1.60      | 3.05      | 3.45      |           | 2.90       | 3.50      | 1.70      | 2.55       | 3.60      | 2.20      | 2.95       | 3.50      | 2.15      | 3.10       | 3.45      | 2.25      | 3.20       | 2.50      | 3.00       | 2.75      | 2.75       |            |
| 16.0                                      |            |            |            |           |           | 2.00      | 2.05      |            |           | 2.15      | 2.55      |           | 2.00       | 2.60      |           | 1.65       | 2.65      |           | 2.00       | 2.55      |           | 2.20       | 2.50      |           | 2.30       |           | 2.10       |           |            |            |
| 18.0                                      |            |            |            |           |           |           |           |            |           | 1.45      | 1.85      |           | 1.25       | 1.90      |           | 0.95       | 1.95      |           | 1.30       | 1.85      |           | 1.50       | 1.80      |           | 1.60       |           |            |           |            |            |
| 20.0                                      |            |            |            |           |           |           |           |            |           | 0.90      | 1.30      |           |            | 1.35      |           |            | 1.40      |           |            | 1.30      |           | 0.95       | 1.25      |           |            |           |            |           |            |            |
| 22.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            | 0.90      |           |            | 1.00      |           |            | 0.90      |           |            | 0.85      |           |            |           |            |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 19.50     | 22.20      | 17.80     | 14.05     | 15.55      | 17.10     | 11.05     | 12.05      | 12.85     | 8.45      | 9.65       | 10.05     | 8.55      | 9.65       | 6.80      | 7.65       | 6.00      | 4.90       |            |
| Min. boom angle (°)                       | —          | —          | —          | 35        | 27        | —         | —         | 50         | 39        | —         | —         | 57        | 38         | —         | 58        | 49         | 27        | 60        | 51         | 41        | 65        | 55         | 51        | 68        | 60         | 70        | 65         | 71        | 73         |            |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92        | 0          | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 0          | 92        | 46         | 92        | 100        |            |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46        | 46         | 0         | 46        | 46         | 46        | 46        | 46         | 92        | 46        | 46         | 92        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0         | 46         | 92        | 46        | 46         | 92        | 46        | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 92         | 92        | 100        |            |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0         | 46         | 92        | 0         | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 46        | 92         | 46        | 92         | 92        | 100        |            |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton |            |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      |            |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8         | 7          | 5         | 6         | 6          | 5         | 5         | 4          | 4         | 4         | 3          | 3         | 3         | 3          | 3         | 2          | 2         | 2          |            |

(Unit: Metric ton)

NS

NA

NB

NC

ND

NE

NF

With SL jib

Without SL jib

**Specification NE4**

 Outriggers intermediately extended (4.2m) over side,  
 without counterweight

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1          | 9         | 10        | 2         | 1         | 10         | 11        | 2         | 1         | 11        | 2          | 1         | 12        | 2          | 1         | 2         | 3          | 1         | 5         | 4          | 1         | 6         | 1          | 7         | 1          | 1         | 8          |            |
|-------------------------------------------|------------|------------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|
| Boom configuration number                 | 1          | 2          | 3          | 4         | 5         | 6         | 7         | 8          | 9         | 10        | 11        | 12        | 13         | 14        | 15        | 16         | 17        | 18        | 19         | 20        | 21        | 22         | 23        | 24        | 25         | 26        | 27         | 28        | 29         |            |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom | 18.5m Boom |           |           |           |           | 22.1m Boom |           |           |           |           | 25.8m Boom |           |           | 29.5m Boom |           |           | 33.2m Boom |           |           | 36.9m Boom |           |           | 40.5m Boom |           | 44.2m Boom |           | 47.9m Boom | 51.3m Boom |
| 2.5                                       | 55.00      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.0                                       | 48.30      |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 3.5                                       | 32.75      | 32.80      | 34.40      | 28.50     | 29.80     | 33.80     | 27.30     |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.0                                       | 24.30      | 25.60      | 25.70      | 22.40     | 23.50     | 26.50     | 25.40     | 20.90      | 22.30     | 25.20     | 26.10     |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 4.5                                       | 18.95      | 19.85      | 20.20      | 17.40     | 18.25     | 20.95     | 21.05     | 17.05      | 18.35     | 21.10     | 21.75     | 16.50     | 19.45      | 20.65     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 5.0                                       | 15.30      | 15.75      | 16.45      | 13.85     | 14.65     | 17.15     | 17.20     | 14.15      | 15.20     | 17.25     | 17.85     | 13.85     | 16.65      | 17.80     |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 6.0                                       | 10.60      | 10.60      | 11.65      | 9.30      | 10.05     | 12.25     | 12.30     | 9.55       | 10.50     | 12.35     | 12.90     | 10.05     | 12.15      | 12.95     | 10.20     | 11.60      | 13.15     |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 7.0                                       | 7.70       | 7.55       | 8.65       | 6.50      | 7.15      | 9.20      | 9.25      | 6.75       | 7.60      | 9.35      | 9.85      | 7.20      | 9.15       | 9.90      | 7.75      | 8.75       | 10.05     | 8.05      | 9.20       | 9.90      |           |            |           |           |            |           |            |           |            |            |
| 8.0                                       | 5.70       | 5.55       | 6.65       | 4.60      | 5.25      | 7.20      | 7.25      | 4.85       | 5.65      | 7.30      | 7.75      | 5.25      | 7.10       | 7.80      | 5.75      | 6.75       | 7.95      | 6.30      | 7.15       | 7.80      | 6.05      | 7.40       | 7.75      | 6.20      | 7.25       |           |            |           |            |            |
| 9.0                                       | 4.25       | 4.10       | 5.20       | 3.25      | 3.85      | 5.70      | 5.75      | 3.45       | 4.25      | 5.85      | 6.30      | 3.85      | 5.65       | 6.35      | 4.35      | 5.25       | 6.45      | 4.85      | 5.70       | 6.35      | 4.75      | 5.90       | 6.25      | 4.95      | 6.00       | 4.85      | 5.65       |           |            |            |
| 10.0                                      |            | 3.05       | 4.10       | 2.20      | 2.75      | 4.60      | 4.60      | 2.40       | 3.20      | 4.70      | 5.15      | 2.85      | 4.55       | 5.20      | 3.30      | 4.20       | 5.30      | 3.80      | 4.60       | 5.20      | 3.75      | 4.75       | 5.10      | 3.90      | 4.90       | 3.90      | 4.70       | 4.30      |            |            |
| 11.0                                      |            | 2.20       | 3.20       | 1.40      | 1.95      | 3.75      | 3.75      |            | 2.35      | 3.85      | 4.25      |           | 3.65       | 4.30      | 2.45      | 3.30       | 4.40      | 2.95      | 3.70       | 4.30      | 2.90      | 3.90       | 4.25      | 3.05      | 4.00       | 3.10      | 3.85       | 3.50      | 3.45       |            |
| 12.0                                      |            | 1.35       | 2.50       |           | 1.30      | 3.05      | 3.05      |            | 1.70      | 3.10      | 3.50      |           | 2.95       | 3.55      |           | 2.65       | 3.70      | 2.25      | 3.00       | 3.55      |           | 3.20       | 3.55      |           | 3.30       |           | 3.10       | 2.85      |            |            |
| 14.0                                      |            |            |            |           |           | 2.00      | 2.00      |            |           |           |           |           | 1.90       | 2.50      |           | 1.60       | 2.60      |           | 1.95       | 2.50      |           | 2.15       | 2.45      |           | 2.20       |           | 2.05       |           |            |            |
| 16.0                                      |            |            |            |           |           | 1.20      | 1.25      |            |           | 1.30      | 1.70      |           | 1.15       | 1.70      |           |            | 1.85      |           |            | 1.70      |           |            | 1.65      |           |            |           |            |           |            |            |
| 18.0                                      |            |            |            |           |           |           |           |            |           |           | 1.10      |           |            | 1.15      |           |            | 1.25      |           |            | 1.15      |           |            | 1.10      |           |            |           |            |           |            |            |
| 20.0                                      |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            | 0.85      |           |            |           |           |            |           |           |            |           |            |           |            |            |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50      | 20.40     | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     | 16.50     | 19.45      | 17.80     | 10.20     | 11.60      | 13.15     | 8.05      | 9.20       | 9.90      | 6.05      | 7.40       | 7.75      | 6.20      | 7.25       | 4.85      | 5.65       | 4.30      | 3.45       |            |
| Min. boom angle (°)                       | —          | —          | —          | 48        | 40        | —         | —         | 58         | 52        | 34        | —         | 64        | 43         | 30        | 65        | 58         | 41        | 67        | 60         | 52        | 71        | 63         | 59        | 73        | 66         | 74        | 70         | 75        | 77         |            |
| Telescoping conditions (%)                |            |            |            |           |           |           |           |            |           |           |           |           |            |           |           |            |           |           |            |           |           |            |           |           |            |           |            |           |            |            |
| 2nd boom                                  | 0          | 46         | 0          | 92        | 46        | 0         | 0         | 92         | 46        | 0         | 0         | 92        | 0          | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 46         | 0         | 92        | 0          | 92        | 46         | 92        |            |            |
| 3rd boom                                  | 0          | 0          | 0          | 0         | 46        | 0         | 0         | 46         | 46        | 0         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 46        | 46         | 0         | 92        | 46         | 46        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 4th boom                                  | 0          | 0          | 0          | 0         | 0         | 0         | 0         | 0          | 46        | 46        | 0         | 46        | 46         | 0         | 46        | 46         | 46        | 46        | 46         | 92        | 46        | 46         | 92        | 92        | 92         | 92        | 92         | 92        | 100        |            |
| 5th boom                                  | 0          | 0          | 0          | 0         | 0         | 46        | 0         | 0          | 0         | 46        | 46        | 0         | 46         | 92        | 46        | 46         | 92        | 46        | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 92         | 92        | 100        |            |
| 6th boom                                  | 0          | 0          | 46         | 0         | 0         | 46        | 92        | 0          | 0         | 46        | 92        | 0         | 46         | 92        | 0         | 46         | 92        | 46        | 92         | 92        | 46        | 92         | 92        | 46        | 92         | 46        | 92         | 92        | 100        |            |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton  | for 55ton | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton | for 37ton  | for 37ton | for 37ton  | for 37ton | for 37ton  |            |
| Hook mass                                 | 630kg      | 630kg      | 400kg      | 630kg     | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg     | 400kg      | 400kg     | 400kg      | 400kg     | 400kg      |            |
| Parts of line                             | 11         | 11         | 7          | 11        | 10        | 7         | 6         | 9          | 9         | 7         | 6         | 8         | 7          | 5         | 6         | 6          | 5         | 5         | 4          | 4         | 4         | 3          | 3         | 3         | 3          | 3         | 2          | 2         | 2          |            |

(Unit: Metric ton)


**Specification NE5**

 Outriggers completely retracted (2.52m) over side,  
 without counterweight

Based on ISO 4305 / Not exceed 75% of static tipping loads

|                                           |            |            |           |            |           |           |           |            |           |           |           |
|-------------------------------------------|------------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| Telescopic pattern                        | 1          | 9          | 1         | 9          | 10        | 2         | 1         | 10         | 11        | 2         | 1         |
| Boom configuration number                 | 1          | 2          | 3         | 4          | 5         | 6         | 7         | 8          | 9         | 10        | 11        |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom |           | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           |
| 2.5                                       | 23.60      |            |           |            |           |           |           |            |           |           |           |
| 3.0                                       | 17.90      |            |           |            |           |           |           |            |           |           |           |
| 3.5                                       | 13.55      | 11.10      | 13.60     | 9.00       | 9.95      | 12.85     | 12.95     |            |           |           |           |
| 4.0                                       | 10.50      | 8.85       | 11.20     | 7.05       | 7.95      | 10.75     | 10.80     | 6.45       | 7.55      | 9.85      | 10.50     |
| 4.5                                       | 8.30       | 7.10       | 9.20      | 5.55       | 6.40      | 9.10      | 9.15      | 5.10       | 6.15      | 8.35      | 9.00      |
| 5.0                                       | 6.70       | 5.70       | 7.50      | 4.35       | 5.20      | 7.75      | 7.85      | 4.05       | 5.05      | 7.15      | 7.80      |
| 6.0                                       | 4.40       | 3.65       | 5.25      |            | 3.30      | 5.65      | 5.70      |            | 3.35      | 5.35      | 5.95      |
| 7.0                                       | 2.90       | 2.25       | 3.75      |            |           | 4.15      | 4.20      |            |           | 4.05      | 4.60      |
| 8.0                                       | 1.85       |            | 2.65      |            |           | 3.10      | 3.15      |            |           | 3.05      | 3.50      |
| 9.0                                       | 1.00       |            | 1.85      |            |           | 2.30      | 2.35      |            |           | 2.25      | 2.70      |
| 10.0                                      |            |            | 1.20      |            |           | 1.70      | 1.70      |            |           | 1.65      | 2.10      |
| 11.0                                      |            |            |           |            |           | 1.20      | 1.20      |            |           |           | 1.60      |
| 12.0                                      |            |            |           |            |           |           |           |            |           |           | 1.20      |
| Maximum lifting capacity without lock pin | 23.60      | 11.10      | 13.60     | 9.00       | 9.95      | 12.85     | 12.95     | 6.45       | 7.55      | 9.85      | 10.50     |
| Min. boom angle (°)                       | —          | 55         | 30        | 69         | 65        | 44        | 44        | 74         | 70        | 57        | 51        |
| Telescoping conditions (%)                |            |            |           |            |           |           |           |            |           |           |           |
| 2nd boom                                  | 0          | 46         | 0         | 92         | 46        | 0         | 0         | 92         | 46        | 0         | 0         |
| 3rd boom                                  | 0          | 0          | 0         | 0          | 46        | 0         | 0         | 46         | 46        | 0         | 0         |
| 4th boom                                  | 0          | 0          | 0         | 0          | 0         | 0         | 0         | 0          | 46        | 46        | 0         |
| 5th boom                                  | 0          | 0          | 0         | 0          | 0         | 46        | 0         | 0          | 0         | 46        | 46        |
| 6th boom                                  | 0          | 0          | 46        | 0          | 0         | 46        | 92        | 0          | 0         | 46        | 92        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton |
| Hook mass                                 | 630kg      | 630kg      | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     |
| Parts of line                             | 11         | 11         | 7         | 11         | 10        | 7         | 6         | 9          | 9         | 7         | 6         |

(Unit: Metric ton)

NS

NA

NB

NC

ND

NE

NF

With SL jib

Without SL jib

**Specification NF1**

 Outriggers fully extended (7.2m) 360° full range,  
 with counterweight stowed in front or rear position on carrier

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1         | 9          | 10        | 2         | 1         | 10         | 11        | 2         | 1         |
|-------------------------------------------|------------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| Boom configuration number                 | 1          | 2          | 3         | 4          | 5         | 6         | 7         | 8          | 9         | 10        | 11        |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom |           | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           |
| 2.5                                       | 55.00      |            |           |            |           |           |           |            |           |           |           |
| 3.0                                       | 55.00      |            |           |            |           |           |           |            |           |           |           |
| 3.5                                       | 55.00      | 55.00      | 35.00     | 55.00      | 50.00     | 35.00     | 27.30     |            |           |           |           |
| 4.0                                       | 50.55      | 49.95      | 35.00     | 49.55      | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |
| 4.5                                       | 44.35      | 43.70      | 33.30     | 43.35      | 43.85     | 35.00     | 23.70     | 43.50      | 44.20     | 35.00     | 26.30     |
| 5.0                                       | 39.35      | 38.75      | 31.50     | 38.35      | 38.90     | 35.00     | 22.20     | 38.55      | 39.20     | 35.00     | 24.80     |
| 6.0                                       | 31.95      | 31.25      | 28.60     | 30.50      | 31.50     | 32.30     | 19.80     | 29.30      | 30.70     | 33.25     | 22.30     |
| 7.0                                       | 23.35      | 22.40      | 24.60     | 21.75      | 22.60     | 25.15     | 17.80     | 22.00      | 23.05     | 25.30     | 20.20     |
| 8.0                                       | 17.95      | 17.00      | 19.00     | 16.45      | 17.20     | 19.50     | 16.20     | 16.70      | 17.65     | 19.65     | 18.50     |
| 9.0                                       | 14.35      | 13.45      | 15.30     | 12.90      | 13.60     | 15.75     | 14.80     | 13.15      | 14.00     | 15.85     | 16.35     |
| 10.0                                      |            | 10.90      | 12.60     | 10.35      | 11.05     | 13.05     | 13.15     | 10.60      | 11.40     | 13.15     | 13.60     |
| 11.0                                      |            | 8.95       | 10.60     | 8.45       | 9.10      | 11.05     | 11.15     | 8.65       | 9.45      | 11.15     | 11.55     |
| 12.0                                      |            | 7.50       | 9.05      | 7.00       | 7.60      | 9.45      | 9.55      | 7.15       | 7.95      | 9.55      | 9.95      |
| 14.0                                      |            |            |           | 4.85       | 5.40      | 7.20      | 7.25      | 5.00       | 5.75      | 7.25      | 7.65      |
| 16.0                                      |            |            |           | 3.25       | 3.95      | 5.65      | 5.65      | 3.45       | 4.20      | 5.65      | 6.05      |
| 18.0                                      |            |            |           |            |           |           |           | 2.15       | 3.05      | 4.50      | 4.90      |
| 20.0                                      |            |            |           |            |           |           |           | 1.20       | 2.10      | 3.65      | 4.05      |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50     | 20.40      | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     |
| Min. boom angle (°)                       | —          | —          | —         | —          | —         | —         | —         | —          | —         | —         | —         |
| Telescoping conditions (%)                |            |            |           |            |           |           |           |            |           |           |           |
| 2nd boom                                  | 0          | 46         | 0         | 92         | 46        | 0         | 0         | 92         | 46        | 0         | 0         |
| 3rd boom                                  | 0          | 0          | 0         | 0          | 46        | 0         | 0         | 46         | 46        | 0         | 0         |
| 4th boom                                  | 0          | 0          | 0         | 0          | 0         | 0         | 0         | 0          | 46        | 46        | 0         |
| 5th boom                                  | 0          | 0          | 0         | 0          | 0         | 46        | 0         | 0          | 0         | 46        | 46        |
| 6th boom                                  | 0          | 0          | 46        | 0          | 0         | 46        | 92        | 0          | 0         | 46        | 92        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton |
| Hook mass                                 | 630kg      | 630kg      | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     |
| Parts of line                             | 11         | 11         | 7         | 11         | 10        | 7         | 6         | 9          | 9         | 7         | 6         |

(Unit: Metric ton)

**Specification NF2**

 Outriggers intermediately extended (6.0m) over side,  
 with counterweight stowed in front or rear position on carrier

| Telescopic pattern                        | 1          | 9          | 1         | 9          | 10        | 2         | 1         | 10         | 11        | 2         | 1         |
|-------------------------------------------|------------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| Boom configuration number                 | 1          | 2          | 3         | 4          | 5         | 6         | 7         | 8          | 9         | 10        | 11        |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom |           | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           |
| 2.5                                       | 55.00      |            |           |            |           |           |           |            |           |           |           |
| 3.0                                       | 55.00      |            |           |            |           |           |           |            |           |           |           |
| 3.5                                       | 55.00      | 55.00      | 35.00     | 55.00      | 50.00     | 35.00     | 27.30     |            |           |           |           |
| 4.0                                       | 50.55      | 49.95      | 35.00     | 49.55      | 50.00     | 35.00     | 25.40     | 46.00      | 46.00     | 35.00     | 28.00     |
| 4.5                                       | 44.35      | 43.70      | 33.30     | 42.55      | 43.85     | 35.00     | 23.70     | 39.30      | 41.00     | 35.00     | 26.30     |
| 5.0                                       | 39.35      | 38.25      | 31.50     | 34.40      | 35.75     | 35.00     | 22.20     | 32.20      | 33.75     | 35.00     | 24.80     |
| 6.0                                       | 25.45      | 24.35      | 26.85     | 23.65      | 24.60     | 27.45     | 19.80     | 23.00      | 24.40     | 27.40     | 22.30     |
| 7.0                                       | 18.20      | 17.25      | 19.40     | 16.65      | 17.45     | 19.95     | 17.80     | 16.95      | 17.95     | 20.10     | 20.20     |
| 8.0                                       | 13.85      | 13.00      | 14.90     | 12.40      | 13.15     | 15.40     | 15.55     | 12.65      | 13.55     | 15.50     | 16.00     |
| 9.0                                       | 10.95      | 10.10      | 11.85     | 9.55       | 10.25     | 12.35     | 12.45     | 9.80       | 10.65     | 12.45     | 12.90     |
| 10.0                                      |            | 8.05       | 9.70      | 7.55       | 8.15      | 10.15     | 10.25     | 7.75       | 8.55      | 10.25     | 10.65     |
| 11.0                                      |            | 6.50       | 8.10      | 6.00       | 6.60      | 8.50      | 8.60      | 6.20       | 6.95      | 8.60      | 9.00      |
| 12.0                                      |            | 5.30       | 6.80      | 4.80       | 5.40      | 7.20      | 7.30      | 5.00       | 5.75      | 7.30      | 7.70      |
| 14.0                                      |            |            |           | 3.10       | 3.65      | 5.35      | 5.40      | 3.25       | 3.95      | 5.40      | 5.80      |
| 16.0                                      |            |            |           | 1.70       | 2.45      | 4.10      | 4.15      | 1.90       | 2.70      | 4.15      | 4.50      |
| 18.0                                      |            |            |           |            |           |           |           |            | 1.70      | 3.20      | 3.55      |
| 20.0                                      |            |            |           |            |           |           |           |            | 0.90      | 2.50      | 2.85      |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50     | 20.40      | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     |
| Min. boom angle (°)                       | —          | —          | —         | —          | —         | —         | —         | 29         | —         | —         | —         |
| Telescoping conditions (%)                |            |            |           |            |           |           |           |            |           |           |           |
| 2nd boom                                  | 0          | 46         | 0         | 92         | 46        | 0         | 0         | 92         | 46        | 0         | 0         |
| 3rd boom                                  | 0          | 0          | 0         | 0          | 46        | 0         | 0         | 46         | 46        | 0         | 0         |
| 4th boom                                  | 0          | 0          | 0         | 0          | 0         | 0         | 0         | 0          | 46        | 46        | 0         |
| 5th boom                                  | 0          | 0          | 0         | 0          | 0         | 46        | 0         | 0          | 0         | 46        | 46        |
| 6th boom                                  | 0          | 0          | 46        | 0          | 0         | 46        | 92        | 0          | 0         | 46        | 92        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton |
| Hook mass                                 | 630kg      | 630kg      | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     |
| Parts of line                             | 11         | 11         | 7         | 11         | 10        | 7         | 6         | 9          | 9         | 7         | 6         |

(Unit: Metric ton)



## Specification NF3

Outriggers intermediately extended (5.0m) over side,  
with counterweight stowed in front or rear position on carrier

Based on ISO 4305 / Not exceed 75% of static tipping loads

| Telescopic pattern                        | 1          | 9          | 1         | 9          | 10        | 2         | 1         | 10         | 11        | 2         | 1         |
|-------------------------------------------|------------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| Boom configuration number                 | 1          | 2          | 3         | 4          | 5         | 6         | 7         | 8          | 9         | 10        | 11        |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom |           | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           |
| 2.5                                       | 55.00      |            |           |            |           |           |           |            |           |           |           |
| 3.0                                       | 55.00      |            |           |            |           |           |           |            |           |           |           |
| 3.5                                       | 55.00      | 53.35      | 35.00     | 46.10      | 47.65     | 35.00     | 27.30     |            |           |           |           |
| 4.0                                       | 45.15      | 40.50      | 35.00     | 35.55      | 36.95     | 35.00     | 25.40     | 32.80      | 34.40     | 35.00     | 28.00     |
| 4.5                                       | 33.25      | 31.95      | 33.30     | 28.55      | 29.80     | 33.60     | 23.70     | 26.70      | 28.15     | 31.25     | 26.30     |
| 5.0                                       | 26.00      | 24.85      | 27.30     | 23.55      | 24.70     | 28.00     | 22.20     | 22.20      | 23.55     | 26.45     | 24.80     |
| 6.0                                       | 17.55      | 16.60      | 18.65     | 16.00      | 16.80     | 19.25     | 19.40     | 16.10      | 17.25     | 19.30     | 19.90     |
| 7.0                                       | 12.85      | 12.00      | 13.80     | 11.45      | 12.15     | 14.35     | 14.45     | 11.65      | 12.55     | 14.40     | 14.95     |
| 8.0                                       | 9.85       | 9.00       | 10.70     | 8.50       | 9.15      | 11.20     | 11.30     | 8.75       | 9.55      | 11.25     | 11.75     |
| 9.0                                       | 7.75       | 6.95       | 8.55      | 6.50       | 7.10      | 9.00      | 9.10      | 6.70       | 7.45      | 9.05      | 9.50      |
| 10.0                                      |            | 5.45       | 6.95      | 5.00       | 5.60      | 7.40      | 7.50      | 5.20       | 5.90      | 7.45      | 7.90      |
| 11.0                                      |            | 4.30       | 5.75      | 3.85       | 4.40      | 6.20      | 6.25      | 4.05       | 4.75      | 6.20      | 6.65      |
| 12.0                                      |            | 3.40       | 4.80      | 2.95       | 3.50      | 5.20      | 5.25      | 3.10       | 3.80      | 5.25      | 5.65      |
| 14.0                                      |            |            |           | 1.40       | 2.15      | 3.80      | 3.85      | 1.60       | 2.45      | 3.80      | 4.20      |
| 16.0                                      |            |            |           |            | 0.95      | 2.80      | 2.85      |            | 1.30      | 2.80      | 3.20      |
| 18.0                                      |            |            |           |            |           |           |           |            |           | 2.10      | 2.45      |
| 20.0                                      |            |            |           |            |           |           |           |            |           | 1.55      | 1.90      |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50     | 20.40      | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     |
| Min. boom angle (°)                       | —          | —          | —         | 29         | —         | —         | —         | 44         | 35        | —         | —         |
| Telescoping conditions (%)                |            |            |           |            |           |           |           |            |           |           |           |
| 2nd boom                                  | 0          | 46         | 0         | 92         | 46        | 0         | 0         | 92         | 46        | 0         | 0         |
| 3rd boom                                  | 0          | 0          | 0         | 0          | 46        | 0         | 0         | 46         | 46        | 0         | 0         |
| 4th boom                                  | 0          | 0          | 0         | 0          | 0         | 0         | 0         | 0          | 46        | 46        | 0         |
| 5th boom                                  | 0          | 0          | 0         | 0          | 0         | 46        | 0         | 0          | 0         | 46        | 46        |
| 6th boom                                  | 0          | 0          | 46        | 0          | 0         | 46        | 92        | 0          | 0         | 46        | 92        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton |
| Hook mass                                 | 630kg      | 630kg      | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     |
| Parts of line                             | 11         | 11         | 7         | 11         | 10        | 7         | 6         | 9          | 9         | 7         | 6         |

(Unit: Metric ton)

## Specification NF4

Outriggers intermediately extended (4.2m) over side,  
with counterweight stowed in front or rear position on carrier

| Telescopic pattern                        | 1          | 9          | 1         | 9          | 10        | 2         | 1         | 10         | 11        | 2         | 1         |
|-------------------------------------------|------------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| Boom configuration number                 | 1          | 2          | 3         | 4          | 5         | 6         | 7         | 8          | 9         | 10        | 11        |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom |           | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           |
| 2.5                                       | 55.00      |            |           |            |           |           |           |            |           |           |           |
| 3.0                                       | 55.00      |            |           |            |           |           |           |            |           |           |           |
| 3.5                                       | 41.55      | 36.05      | 35.00     | 31.45      | 32.75     | 35.00     | 27.30     |            |           |           |           |
| 4.0                                       | 29.90      | 28.25      | 31.35     | 24.90      | 26.05     | 29.70     | 25.40     | 23.20      | 24.60     | 27.55     | 28.00     |
| 4.5                                       | 22.95      | 21.90      | 24.25     | 20.25      | 21.35     | 24.70     | 23.70     | 19.05      | 20.35     | 23.10     | 23.90     |
| 5.0                                       | 18.40      | 17.45      | 19.55     | 16.80      | 17.65     | 20.15     | 20.35     | 15.95      | 17.15     | 19.75     | 20.50     |
| 6.0                                       | 12.75      | 11.90      | 13.70     | 11.35      | 12.05     | 14.25     | 14.40     | 11.55      | 12.45     | 14.30     | 14.85     |
| 7.0                                       | 9.40       | 8.60       | 10.25     | 8.10       | 8.75      | 10.75     | 10.85     | 8.30       | 9.10      | 10.80     | 11.30     |
| 8.0                                       | 7.15       | 6.40       | 7.95      | 5.90       | 6.55      | 8.40      | 8.50      | 6.10       | 6.85      | 8.45      | 8.90      |
| 9.0                                       | 5.60       | 4.85       | 6.30      | 4.35       | 4.95      | 6.75      | 6.85      | 4.55       | 5.30      | 6.80      | 7.25      |
| 10.0                                      |            | 3.65       | 5.10      | 3.20       | 3.80      | 5.50      | 5.60      | 3.40       | 4.10      | 5.55      | 5.95      |
| 11.0                                      |            | 2.75       | 4.15      | 2.30       | 2.90      | 4.55      | 4.60      | 2.50       | 3.20      | 4.60      | 5.00      |
| 12.0                                      |            | 2.00       | 3.40      | 1.40       | 2.15      | 3.80      | 3.85      |            | 2.45      | 3.80      | 4.20      |
| 14.0                                      |            |            |           |            |           | 2.65      | 2.70      |            |           | 2.70      | 3.05      |
| 16.0                                      |            |            |           |            |           | 1.90      | 1.90      |            |           | 1.85      | 2.25      |
| 18.0                                      |            |            |           |            |           |           |           |            |           | 1.20      | 1.65      |
| 20.0                                      |            |            |           |            |           |           |           |            |           |           | 1.15      |
| Maximum lifting capacity without lock pin | 25.50      | 22.50      | 25.50     | 20.40      | 22.00     | 24.50     | 18.30     | 19.90      | 21.60     | 23.40     | 18.30     |
| Min. boom angle (°)                       | —          | —          | —         | 42         | 34        | —         | —         | 55         | 47        | —         | —         |
| Telescoping conditions (%)                |            |            |           |            |           |           |           |            |           |           |           |
| 2nd boom                                  | 0          | 46         | 0         | 92         | 46        | 0         | 0         | 92         | 46        | 0         | 0         |
| 3rd boom                                  | 0          | 0          | 0         | 0          | 46        | 0         | 0         | 46         | 46        | 0         | 0         |
| 4th boom                                  | 0          | 0          | 0         | 0          | 0         | 0         | 0         | 0          | 46        | 46        | 0         |
| 5th boom                                  | 0          | 0          | 0         | 0          | 0         | 46        | 0         | 0          | 0         | 46        | 46        |
| 6th boom                                  | 0          | 0          | 46        | 0          | 0         | 46        | 92        | 0          | 0         | 46        | 92        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton |
| Hook mass                                 | 630kg      | 630kg      | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     |
| Parts of line                             | 11         | 11         | 7         | 11         | 10        | 7         | 6         | 9          | 9         | 7         | 6         |

(Unit: Metric ton)

**Specification NF5**

 Outriggers completely retracted (2.52m) over side,  
 with counterweight stowed in front or rear position on carrier

Based on ISO 4305 / Not exceed 75% of static tipping loads

|                                           |            |            |           |            |           |           |           |            |           |           |           |
|-------------------------------------------|------------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| Telescopic pattern                        | 1          | 9          | 1         | 9          | 10        | 2         | 1         | 10         | 11        | 2         | 1         |
| Boom configuration number                 | 1          | 2          | 3         | 4          | 5         | 6         | 7         | 8          | 9         | 10        | 11        |
| Working radius (m)                        | 11.1m Boom | 14.8m Boom |           | 18.5m Boom |           |           |           | 22.1m Boom |           |           |           |
| 2.5                                       | 25.70      |            |           |            |           |           |           |            |           |           |           |
| 3.0                                       | 19.60      |            |           |            |           |           |           |            |           |           |           |
| 3.5                                       | 14.90      | 12.40      | 14.90     | 10.20      | 11.15     | 14.05     | 14.15     |            |           |           |           |
| 4.0                                       | 11.55      | 9.95       | 12.35     | 8.10       | 9.00      | 11.80     | 11.85     | 7.45       | 8.55      | 10.80     | 11.50     |
| 4.5                                       | 9.20       | 8.10       | 10.05     | 6.50       | 7.35      | 10.00     | 10.10     | 6.00       | 7.05      | 9.25      | 9.90      |
| 5.0                                       | 7.45       | 6.60       | 8.30      | 5.20       | 6.00      | 8.60      | 8.70      | 4.85       | 5.85      | 8.00      | 8.60      |
| 6.0                                       | 5.10       | 4.35       | 5.85      | 3.25       | 4.00      | 6.25      | 6.30      |            | 4.00      | 6.05      | 6.65      |
| 7.0                                       | 3.55       | 2.85       | 4.25      |            | 2.60      | 4.65      | 4.70      |            | 2.65      | 4.65      | 5.10      |
| 8.0                                       | 2.45       | 1.70       | 3.15      |            |           | 3.50      | 3.55      |            |           | 3.55      | 3.95      |
| 9.0                                       | 1.70       |            | 2.30      |            |           | 2.65      | 2.70      |            |           | 2.70      | 3.10      |
| 10.0                                      |            |            | 1.65      |            |           | 2.00      | 2.05      |            |           | 2.05      | 2.45      |
| 11.0                                      |            |            | 1.10      |            |           | 1.50      | 1.55      |            |           | 1.50      | 1.90      |
| 12.0                                      |            |            |           |            |           | 1.05      | 1.05      |            |           |           | 1.50      |
| Maximum lifting capacity without lock pin | 25.50      | 12.40      | 14.90     | 10.20      | 11.15     | 14.05     | 14.15     | 7.45       | 8.55      | 10.80     | 11.50     |
| Min. boom angle (°)                       | —          | 51         | —         | 66         | 63        | 39        | 38        | 72         | 68        | 54        | 46        |
| Telescoping conditions (%)                |            |            |           |            |           |           |           |            |           |           |           |
| 2nd boom                                  | 0          | 46         | 0         | 92         | 46        | 0         | 0         | 92         | 46        | 0         | 0         |
| 3rd boom                                  | 0          | 0          | 0         | 0          | 46        | 0         | 0         | 46         | 46        | 0         | 0         |
| 4th boom                                  | 0          | 0          | 0         | 0          | 0         | 0         | 0         | 0          | 46        | 46        | 0         |
| 5th boom                                  | 0          | 0          | 0         | 0          | 0         | 46        | 0         | 0          | 0         | 46        | 46        |
| 6th boom                                  | 0          | 0          | 46        | 0          | 0         | 46        | 92        | 0          | 0         | 46        | 92        |
| Standard hook                             | for 55ton  | for 55ton  | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton | for 55ton  | for 55ton | for 37ton | for 37ton |
| Hook mass                                 | 630kg      | 630kg      | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     | 630kg      | 630kg     | 400kg     | 400kg     |
| Parts of line                             | 11         | 11         | 7         | 11         | 10        | 7         | 6         | 9          | 9         | 7         | 6         |

(Unit: Metric ton)

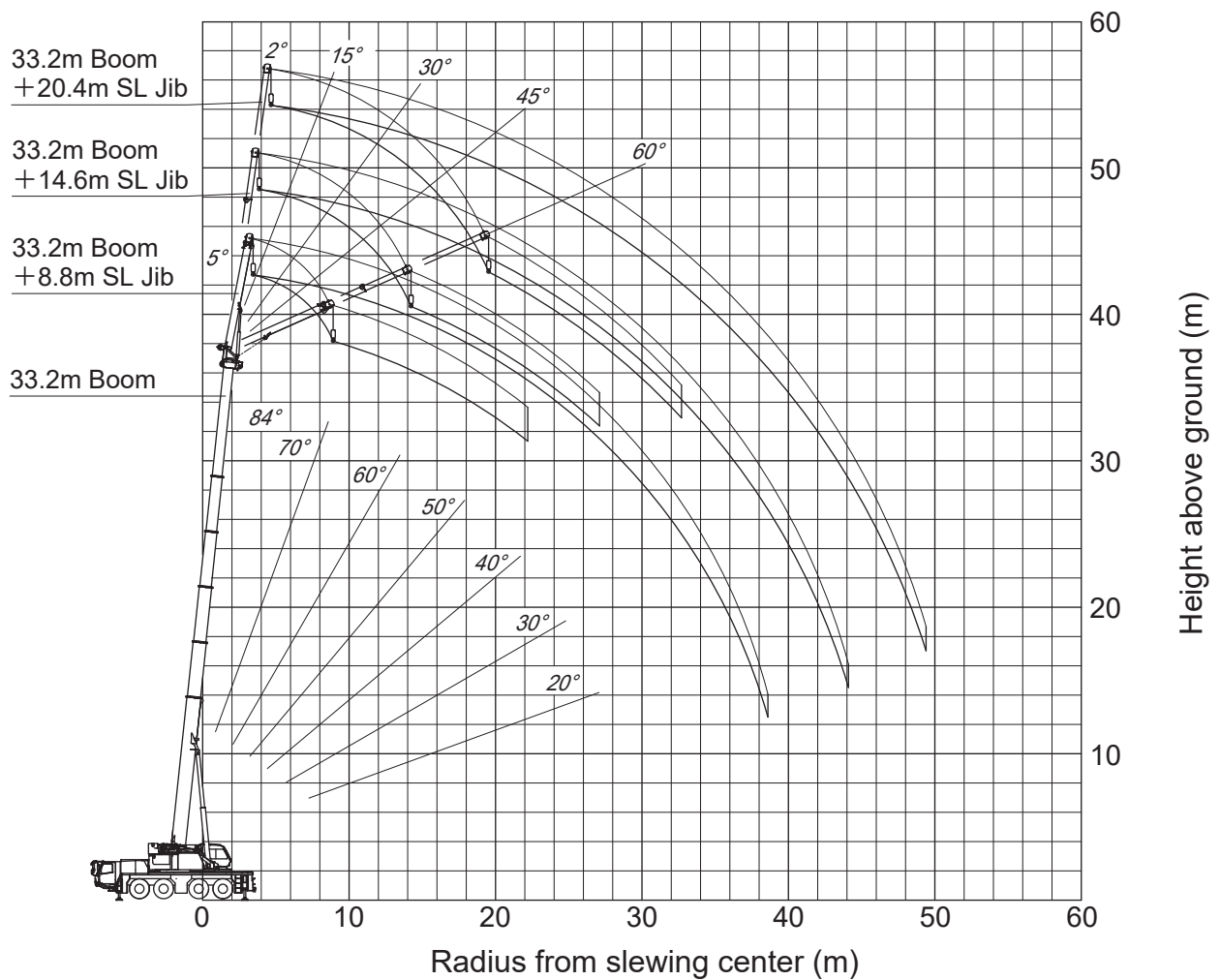
# Super Luffing Jib Lifting Capacity Chart

## [Working Ranges]

|                                                        |    |
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|                          |     |
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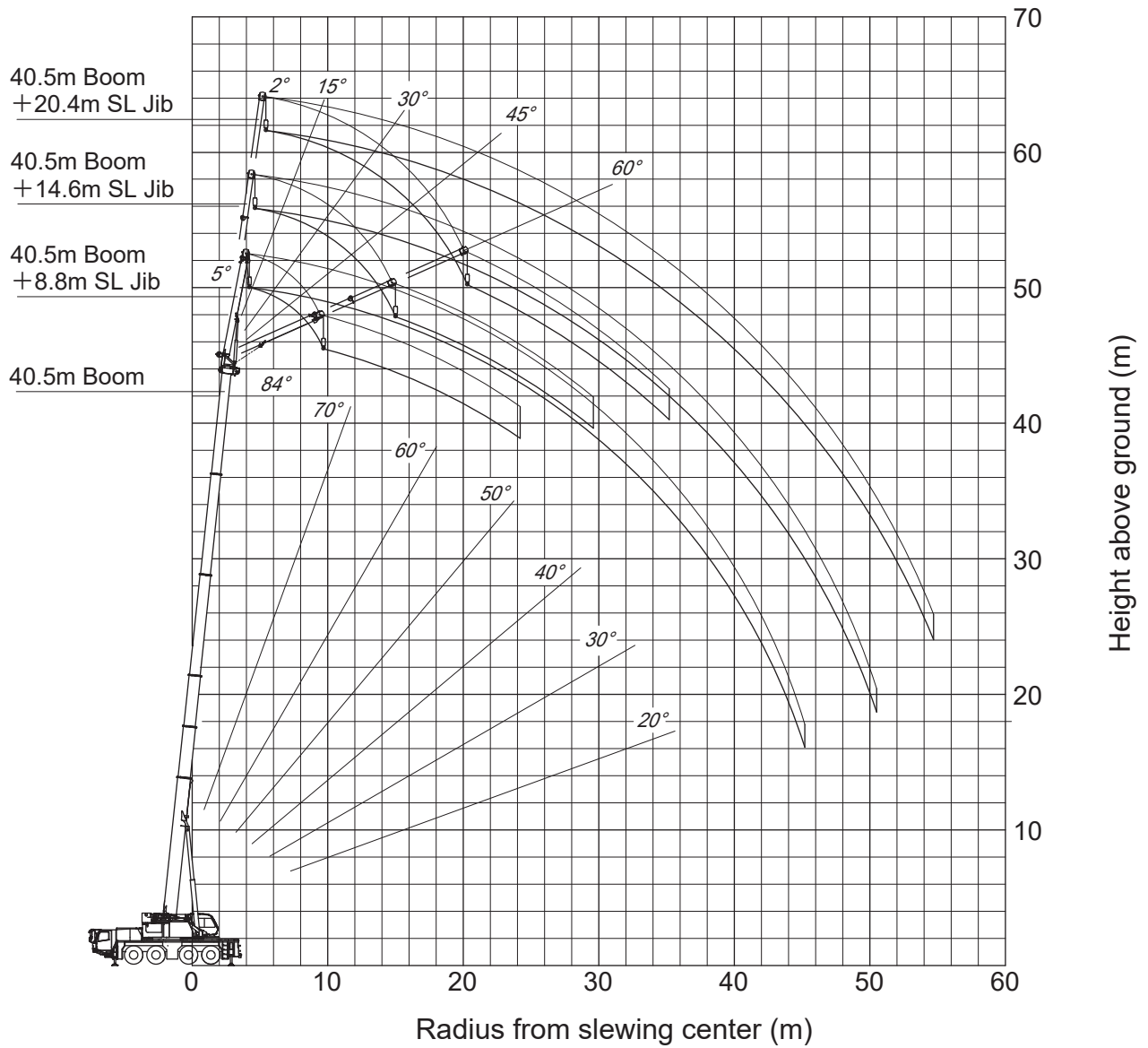
# Super Luffing Jib (SL Jib) Working Ranges (With 33.2 m Boom and 8.8 to 20.4 m SL Jib)



## Notes:

1. This diagram does not include deflection of Boom and SL Jib.
2. This diagram shows the range for specification SS1.

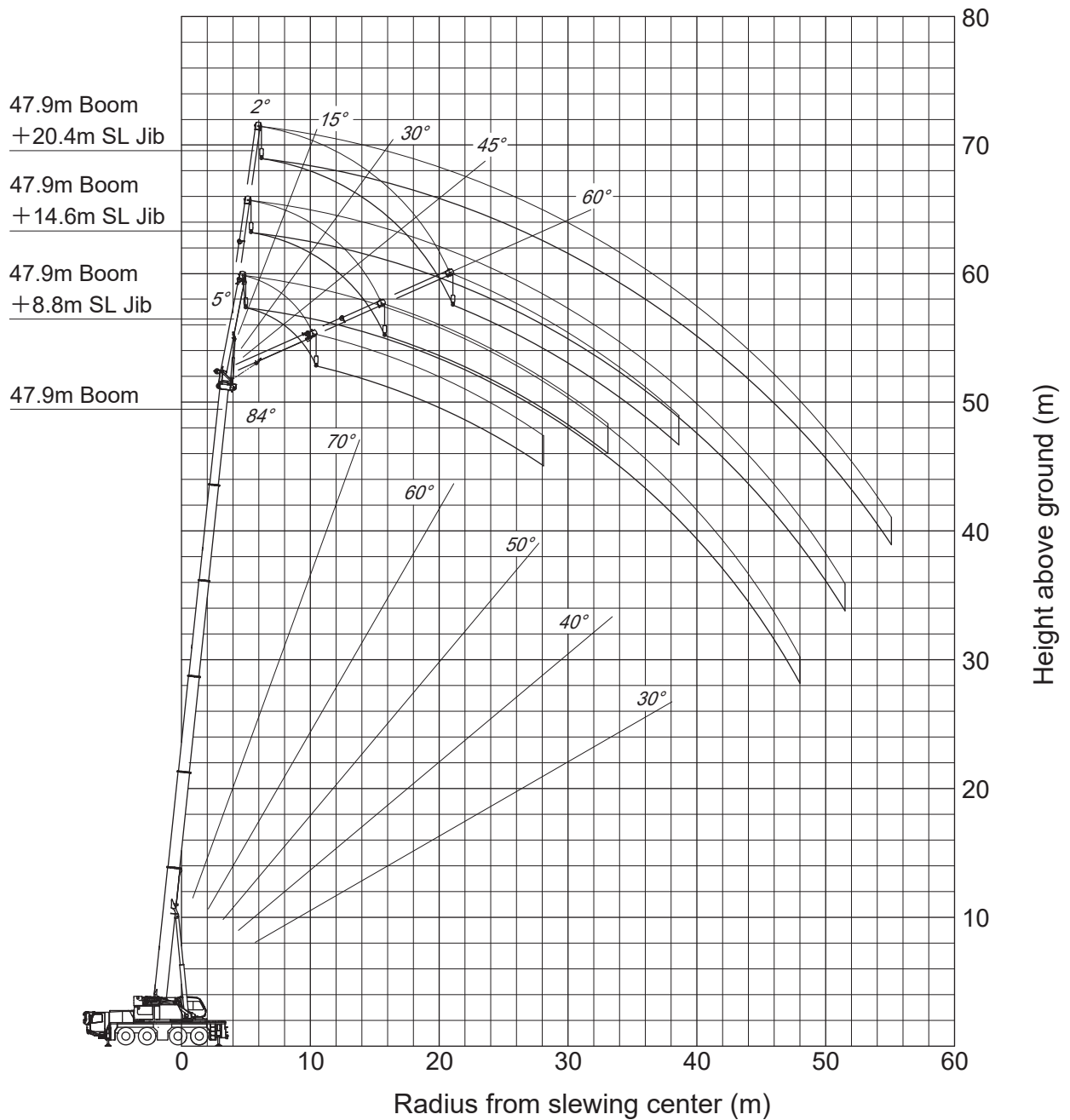
## Super Luffing Jib (SL Jib) Working Ranges (With 40.5 m Boom and 8.8 to 20.4 m SL Jib)



### Notes:

1. This diagram does not include deflection of Boom and SL Jib.
2. This diagram shows the range for specification SS1.

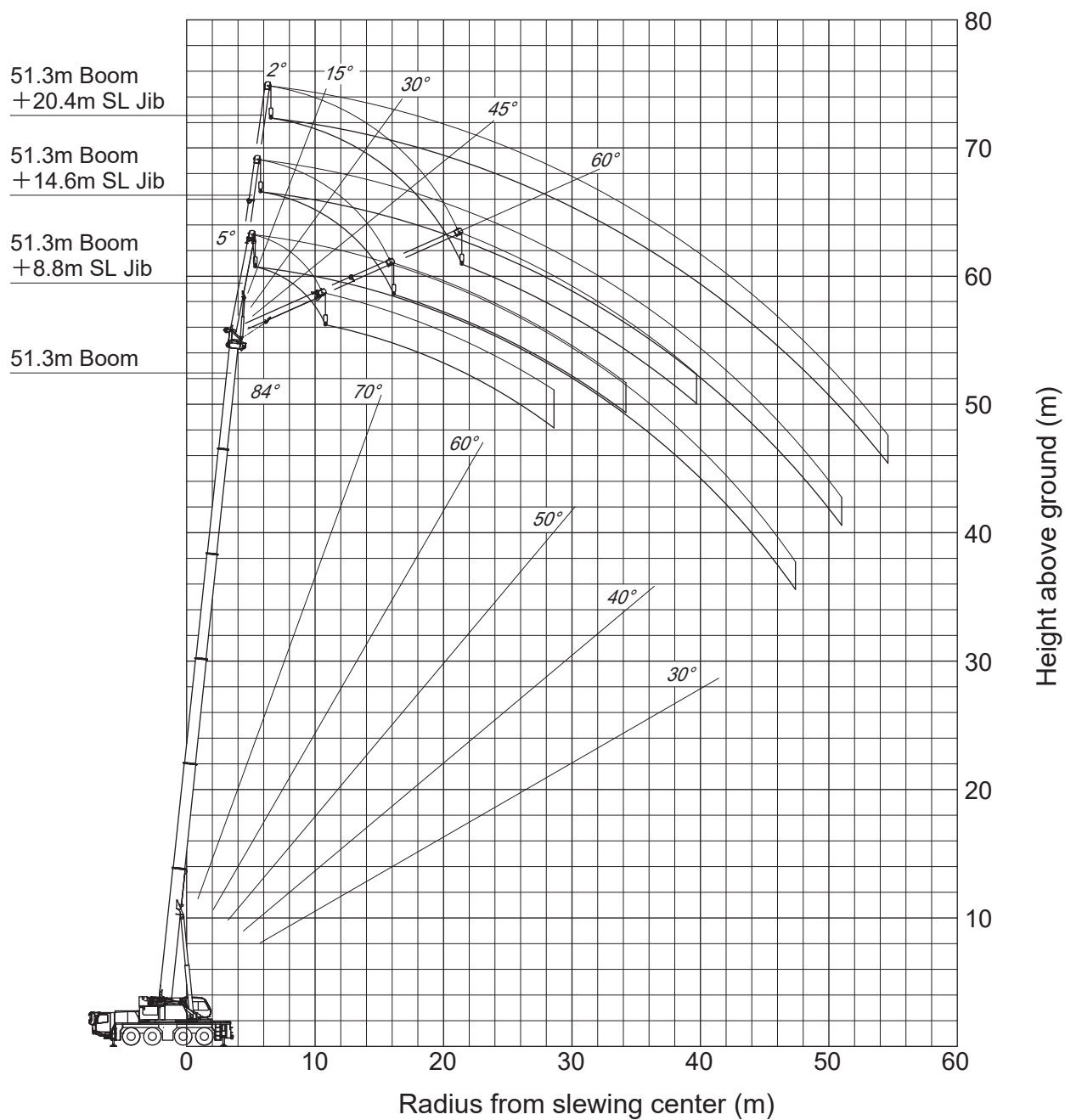
# Super Luffing Jib (SL Jib) Working Ranges (With 47.9 m Boom and 8.8 to 20.4 m SL Jib)



## Notes:

1. This diagram does not include deflection of Boom and SL Jib.
2. This diagram shows the range for specification SS1.

## Super Luffing Jib (SL Jib) Working Ranges (With 51.3 m Boom and 8.8 to 20.4 m SL Jib)



### Notes:

1. This diagram does not include deflection of Boom and SL Jib.
2. This diagram shows the range for specification SS1.













**Specification SS1**

 Outriggers fully extended (7.2m) 360° full range, with 29.8ton counterweight mounted to crane  
 47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 4.50          | 8.0                      | 4.50          | 10.2                     | 4.50          | 11.9                     | 4.50          | 12.9                     | 4.50          |
| 80.0               | 10.6                     | 4.50          | 12.3                     | 4.50          | 14.2                     | 4.50          | 15.7                     | 4.50          | 16.6                     | 4.50          |
| 77.0               | 14.1                     | 4.50          | 15.7                     | 4.50          | 17.5                     | 4.50          | 18.9                     | 4.50          | 19.5                     | 4.50          |
| 75.0               | 16.5                     | 4.50          | 18.0                     | 4.50          | 19.7                     | 4.50          | 20.9                     | 4.50          | 21.5                     | 4.50          |
| 72.0               | 19.9                     | 4.50          | 21.2                     | 4.50          | 22.9                     | 4.50          | 24.0                     | 4.50          | 24.4                     | 4.50          |
| 70.0               | 22.1                     | 4.50          | 23.2                     | 4.50          | 24.9                     | 4.50          | 25.9                     | 4.50          | 26.2                     | 4.35          |
| 68.0               | 24.3                     | 4.50          | 25.3                     | 4.50          | 27.0                     | 4.50          | 27.6                     | 4.45          | 28.1                     | 3.30          |
| 67.0               | 25.4                     | 4.50          | 26.5                     | 4.50          | 27.9                     | 4.50          | 28.4                     | 4.35          |                          |               |
| 65.0               | 27.3                     | 4.45          | 28.5                     | 4.35          | 29.6                     | 4.10          | 30.0                     | 4.00          |                          |               |
| 62.0               | 29.9                     | 3.95          | 31.0                     | 3.75          | 32.0                     | 3.60          | 32.4                     | 3.50          |                          |               |
| 60.0               | 31.6                     | 3.60          | 32.6                     | 3.40          | 33.5                     | 3.30          | 33.9                     | 3.20          |                          |               |
| 57.0               | 34.0                     | 3.10          | 34.9                     | 3.00          | 35.6                     | 2.90          | 36.1                     | 2.70          |                          |               |
| 55.0               | 35.5                     | 2.80          | 36.3                     | 2.75          | 37.0                     | 2.65          | 37.5                     | 2.40          |                          |               |
| 52.0               | 37.6                     | 2.30          | 38.4                     | 2.25          | 39.0                     | 2.20          |                          |               |                          |               |
| 50.0               | 38.9                     | 2.05          | 39.8                     | 1.95          | 40.3                     | 1.95          |                          |               |                          |               |
| 47.0               | 40.9                     | 1.70          | 41.5                     | 1.65          | 42.1                     | 1.65          |                          |               |                          |               |
| 45.0               | 42.1                     | 1.50          | 42.6                     | 1.50          | 43.2                     | 1.45          |                          |               |                          |               |
| 42.0               | 43.9                     | 1.15          | 44.2                     | 1.15          | 44.8                     | 1.15          |                          |               |                          |               |
| 40.0               | 45.0                     | 0.95          | 45.3                     | 0.95          | 45.8                     | 0.95          |                          |               |                          |               |
| 35.0               | 47.5                     | 0.55          | 47.9                     | 0.55          |                          |               |                          |               |                          |               |
| 34.0               | 48.0                     | 0.50          | 48.4                     | 0.50          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 32                       |               | 32                       |               | 37                       |               | 51                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SS2**

 Outriggers intermediately extended (6.0m) over side, with 29.8ton counterweight mounted to crane  
 47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 4.50          | 8.0                      | 4.50          | 10.2                     | 4.50          | 11.9                     | 4.50          | 12.9                     | 4.50          |
| 80.0               | 10.6                     | 4.50          | 12.3                     | 4.50          | 14.2                     | 4.50          | 15.7                     | 4.50          | 16.6                     | 4.50          |
| 77.0               | 14.1                     | 4.50          | 15.7                     | 4.50          | 17.5                     | 4.50          | 18.9                     | 4.50          | 19.5                     | 4.50          |
| 75.0               | 16.5                     | 4.50          | 18.0                     | 4.50          | 19.7                     | 4.50          | 20.9                     | 4.50          | 21.5                     | 4.50          |
| 72.0               | 19.9                     | 4.50          | 21.2                     | 4.50          | 22.9                     | 4.50          | 24.0                     | 4.50          | 24.4                     | 4.50          |
| 70.0               | 22.1                     | 4.50          | 23.2                     | 4.50          | 24.9                     | 4.50          | 25.9                     | 4.50          | 26.2                     | 4.35          |
| 68.0               | 24.3                     | 4.50          | 25.3                     | 4.50          | 27.0                     | 4.50          | 27.6                     | 4.45          | 28.1                     | 3.30          |
| 67.0               | 25.4                     | 4.50          | 26.5                     | 4.50          | 27.9                     | 4.30          | 28.4                     | 4.25          |                          |               |
| 65.0               | 27.3                     | 4.10          | 28.2                     | 3.95          | 29.4                     | 3.75          | 29.9                     | 3.70          |                          |               |
| 62.0               | 29.4                     | 3.40          | 30.5                     | 3.25          | 31.6                     | 3.10          | 32.0                     | 3.05          |                          |               |
| 60.0               | 31.0                     | 2.95          | 32.0                     | 2.80          | 33.0                     | 2.70          | 33.4                     | 2.70          |                          |               |
| 57.0               | 33.4                     | 2.35          | 34.2                     | 2.25          | 35.2                     | 2.15          | 35.4                     | 2.15          |                          |               |
| 55.0               | 34.8                     | 2.00          | 35.6                     | 1.95          | 36.5                     | 1.90          | 36.7                     | 1.90          |                          |               |
| 52.0               | 36.9                     | 1.60          | 37.7                     | 1.55          | 38.5                     | 1.50          |                          |               |                          |               |
| 50.0               | 38.3                     | 1.35          | 39.1                     | 1.30          | 39.7                     | 1.30          |                          |               |                          |               |
| 47.0               | 40.2                     | 0.95          | 41.0                     | 0.95          | 41.5                     | 0.95          |                          |               |                          |               |
| 45.0               | 41.4                     | 0.70          | 42.2                     | 0.70          | 42.6                     | 0.70          |                          |               |                          |               |
| 44.0               | 42.0                     | 0.60          | 42.8                     | 0.60          | 43.2                     | 0.60          |                          |               |                          |               |
| 43.0               | 42.6                     | 0.50          | 43.4                     | 0.50          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 42                       |               | 42                       |               | 42                       |               | 51                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SS3**

 Outriggers intermediately extended (5.0m) over side, with 29.8ton counterweight mounted to crane  
 47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 4.50          | 8.0                      | 4.50          | 10.2                     | 4.50          | 11.9                     | 4.50          | 12.9                     | 4.50          |
| 80.0               | 10.6                     | 4.50          | 12.3                     | 4.50          | 14.2                     | 4.50          | 15.7                     | 4.50          | 16.6                     | 4.50          |
| 77.0               | 14.1                     | 4.50          | 15.7                     | 4.50          | 17.5                     | 4.50          | 18.9                     | 4.50          | 19.5                     | 4.50          |
| 75.0               | 16.5                     | 4.50          | 18.0                     | 4.50          | 19.7                     | 4.50          | 20.9                     | 4.50          | 21.5                     | 4.50          |
| 72.0               | 19.9                     | 4.50          | 21.2                     | 4.50          | 22.9                     | 4.50          | 24.0                     | 4.50          | 24.4                     | 4.50          |
| 70.0               | 22.1                     | 4.50          | 23.2                     | 4.50          | 24.9                     | 4.35          | 25.9                     | 4.15          | 26.2                     | 4.10          |
| 68.0               | 24.1                     | 4.25          | 25.3                     | 3.95          | 26.4                     | 3.75          | 27.1                     | 3.70          | 28.1                     | 3.30          |
| 67.0               | 24.9                     | 3.90          | 26.1                     | 3.65          | 27.2                     | 3.50          | 27.9                     | 3.40          |                          |               |
| 65.0               | 26.5                     | 3.30          | 27.6                     | 3.15          | 28.8                     | 3.00          | 29.3                     | 2.95          |                          |               |
| 62.0               | 28.8                     | 2.60          | 29.9                     | 2.45          | 31.1                     | 2.35          | 31.5                     | 2.35          |                          |               |
| 60.0               | 30.4                     | 2.20          | 31.4                     | 2.10          | 32.5                     | 1.95          | 32.9                     | 1.95          |                          |               |
| 57.0               | 32.8                     | 1.65          | 33.7                     | 1.60          | 34.7                     | 1.50          | 35.0                     | 1.50          |                          |               |
| 55.0               | 34.3                     | 1.25          | 35.1                     | 1.25          | 36.0                     | 1.25          | 36.4                     | 1.25          |                          |               |
| 52.0               | 36.4                     | 0.80          | 37.2                     | 0.80          | 37.9                     | 0.80          |                          |               |                          |               |
| 51.0               | 37.0                     | 0.65          | 37.8                     | 0.65          | 38.5                     | 0.65          |                          |               |                          |               |
| Min. boom angle(°) | 50                       |               | 50                       |               | 50                       |               | 52                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |



**Specification SS1**

 Outriggers fully extended (7.2m) 360° full range, with 29.8ton counterweight mounted to crane  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.5                      | 2.20          | 13.5                     | 2.20          | 18.5                     | 2.20          | 22.0                     | 1.80          | 23.9                     | 1.45          |
| 80.0               | 13.1                     | 2.20          | 18.5                     | 2.20          | 23.1                     | 2.10          | 26.0                     | 1.70          | 27.5                     | 1.45          |
| 77.0               | 17.6                     | 2.20          | 22.6                     | 2.20          | 26.6                     | 2.00          | 29.3                     | 1.65          | 30.5                     | 1.40          |
| 75.0               | 20.5                     | 2.20          | 25.2                     | 2.20          | 28.9                     | 1.90          | 31.3                     | 1.60          | 32.3                     | 1.40          |
| 72.0               | 24.7                     | 2.20          | 29.1                     | 2.20          | 32.3                     | 1.80          | 34.3                     | 1.55          | 35.1                     | 1.40          |
| 70.0               | 27.5                     | 2.20          | 31.7                     | 2.20          | 34.5                     | 1.75          | 36.3                     | 1.55          | 36.9                     | 1.35          |
| 68.0               | 30.0                     | 2.20          | 33.9                     | 2.10          | 36.5                     | 1.70          | 38.2                     | 1.55          | 38.6                     | 1.30          |
| 67.0               | 31.3                     | 2.20          | 34.9                     | 2.05          | 37.5                     | 1.70          | 39.2                     | 1.55          |                          |               |
| 65.0               | 33.7                     | 2.20          | 37.0                     | 1.90          | 39.4                     | 1.70          | 41.0                     | 1.50          |                          |               |
| 62.0               | 37.3                     | 2.20          | 40.1                     | 1.80          | 42.2                     | 1.60          | 43.5                     | 1.50          |                          |               |
| 60.0               | 39.4                     | 2.15          | 42.1                     | 1.70          | 44.1                     | 1.60          | 45.1                     | 1.50          |                          |               |
| 57.0               | 42.3                     | 2.00          | 44.9                     | 1.65          | 46.7                     | 1.55          | 47.4                     | 1.45          |                          |               |
| 55.0               | 44.3                     | 1.90          | 46.7                     | 1.60          | 48.4                     | 1.55          | 48.9                     | 1.40          |                          |               |
| 52.0               | 46.9                     | 1.60          | 49.2                     | 1.55          | 50.7                     | 1.50          |                          |               |                          |               |
| 50.0               | 48.3                     | 1.40          | 50.6                     | 1.35          | 51.9                     | 1.35          |                          |               |                          |               |
| 47.0               | 50.5                     | 1.10          | 52.6                     | 1.10          | 53.7                     | 1.10          |                          |               |                          |               |
| 45.0               | 51.9                     | 0.90          | 53.8                     | 0.90          | 54.8                     | 0.90          |                          |               |                          |               |
| 42.0               | 53.8                     | 0.65          | 55.6                     | 0.65          | 56.4                     | 0.65          |                          |               |                          |               |
| 41.0               | 54.5                     | 0.60          | 56.2                     | 0.60          | 56.9                     | 0.60          |                          |               |                          |               |
| 40.0               | 55.1                     | 0.55          | 56.7                     | 0.55          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 38                       |               | 38                       |               | 38                       |               | 51                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SS2**

 Outriggers intermediately extended (6.0m) over side, with 29.8ton counterweight mounted to crane  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.5                      | 2.20          | 13.5                     | 2.20          | 18.5                     | 2.20          | 22.0                     | 1.80          | 23.9                     | 1.45          |
| 80.0               | 13.1                     | 2.20          | 18.5                     | 2.20          | 23.1                     | 2.10          | 26.0                     | 1.70          | 27.5                     | 1.45          |
| 77.0               | 17.6                     | 2.20          | 22.6                     | 2.20          | 26.6                     | 2.00          | 29.3                     | 1.65          | 30.5                     | 1.40          |
| 75.0               | 20.5                     | 2.20          | 25.2                     | 2.20          | 28.9                     | 1.90          | 31.3                     | 1.60          | 32.3                     | 1.40          |
| 72.0               | 24.7                     | 2.20          | 29.1                     | 2.20          | 32.3                     | 1.80          | 34.3                     | 1.55          | 35.1                     | 1.40          |
| 70.0               | 27.5                     | 2.20          | 31.7                     | 2.20          | 34.5                     | 1.75          | 36.3                     | 1.55          | 36.9                     | 1.35          |
| 68.0               | 30.0                     | 2.20          | 33.9                     | 2.10          | 36.5                     | 1.70          | 38.2                     | 1.55          | 38.6                     | 1.30          |
| 67.0               | 31.3                     | 2.20          | 34.9                     | 2.05          | 37.5                     | 1.70          | 39.2                     | 1.55          |                          |               |
| 65.0               | 33.7                     | 2.20          | 37.0                     | 1.90          | 39.4                     | 1.70          | 41.0                     | 1.50          |                          |               |
| 62.0               | 37.3                     | 2.20          | 40.1                     | 1.80          | 42.2                     | 1.60          | 43.5                     | 1.50          |                          |               |
| 60.0               | 39.4                     | 1.95          | 42.1                     | 1.70          | 44.1                     | 1.60          | 45.1                     | 1.50          |                          |               |
| 57.0               | 41.7                     | 1.60          | 44.5                     | 1.45          | 46.5                     | 1.40          | 47.4                     | 1.40          |                          |               |
| 55.0               | 43.3                     | 1.40          | 46.1                     | 1.25          | 48.0                     | 1.20          | 48.9                     | 1.20          |                          |               |
| 52.0               | 45.8                     | 1.00          | 48.2                     | 0.95          | 50.0                     | 0.95          |                          |               |                          |               |
| 50.0               | 47.3                     | 0.80          | 49.6                     | 0.75          | 51.2                     | 0.75          |                          |               |                          |               |
| 48.0               | 48.7                     | 0.60          | 50.9                     | 0.60          | 52.4                     | 0.60          |                          |               |                          |               |
| Min. boom angle(°) | 46                       |               | 46                       |               | 46                       |               | 51                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SS3**

 Outriggers intermediately extended (5.0m) over side, with 29.8ton counterweight mounted to crane  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.5                      | 2.20          | 13.5                     | 2.20          | 18.5                     | 2.20          | 22.0                     | 1.80          | 23.9                     | 1.45          |
| 80.0               | 13.1                     | 2.20          | 18.5                     | 2.20          | 23.1                     | 2.10          | 26.0                     | 1.70          | 27.5                     | 1.45          |
| 77.0               | 17.6                     | 2.20          | 22.6                     | 2.20          | 26.6                     | 2.00          | 29.3                     | 1.65          | 30.5                     | 1.40          |
| 75.0               | 20.5                     | 2.20          | 25.2                     | 2.20          | 28.9                     | 1.90          | 31.3                     | 1.60          | 32.3                     | 1.40          |
| 72.0               | 24.7                     | 2.20          | 29.1                     | 2.20          | 32.3                     | 1.80          | 34.3                     | 1.55          | 35.1                     | 1.40          |
| 70.0               | 27.5                     | 2.20          | 31.7                     | 2.20          | 34.5                     | 1.75          | 36.3                     | 1.55          | 36.9                     | 1.35          |
| 68.0               | 30.0                     | 2.20          | 33.9                     | 2.10          | 36.5                     | 1.70          | 38.2                     | 1.55          | 38.6                     | 1.30          |
| 67.0               | 31.3                     | 2.20          | 34.9                     | 2.05          | 37.5                     | 1.70          | 39.2                     | 1.55          |                          |               |
| 65.0               | 33.7                     | 2.20          | 37.0                     | 1.90          | 39.4                     | 1.70          | 41.0                     | 1.50          |                          |               |
| 62.0               | 36.4                     | 1.75          | 39.7                     | 1.55          | 42.1                     | 1.50          | 43.5                     | 1.45          |                          |               |
| 60.0               | 38.2                     | 1.50          | 41.3                     | 1.30          | 43.6                     | 1.25          | 44.8                     | 1.25          |                          |               |
| 57.0               | 40.6                     | 1.05          | 43.5                     | 0.95          | 45.8                     | 0.90          | 46.8                     | 0.90          |                          |               |
| 55.0               | 42.2                     | 0.80          | 44.9                     | 0.70          | 47.2                     | 0.65          |                          |               |                          |               |
| Min. boom angle(°) | 54                       |               | 54                       |               | 54                       |               | 54                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SS1

Outriggers fully extended (7.2m) 360° full range, with 29.8ton counterweight mounted to crane  
51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.9                      | 4.10          | 8.5                      | 4.10          | 10.9                     | 4.10          | 12.6                     | 4.10          | 13.7                     | 4.10          |
| 80.0               | 11.6                     | 4.10          | 13.3                     | 4.10          | 15.3                     | 4.10          | 16.9                     | 4.10          | 17.6                     | 4.10          |
| 77.0               | 15.6                     | 4.10          | 17.2                     | 4.10          | 19.0                     | 4.10          | 20.4                     | 4.10          | 21.0                     | 4.10          |
| 75.0               | 18.2                     | 4.10          | 19.6                     | 4.10          | 21.4                     | 4.10          | 22.6                     | 4.10          | 23.1                     | 4.10          |
| 72.0               | 21.8                     | 4.10          | 23.3                     | 4.10          | 24.8                     | 4.00          | 25.8                     | 3.85          | 26.0                     | 3.80          |
| 70.0               | 24.3                     | 4.10          | 25.4                     | 4.05          | 26.7                     | 3.80          | 27.6                     | 3.60          | 27.8                     | 3.55          |
| 69.0               | 25.4                     | 4.10          | 26.5                     | 3.95          | 27.7                     | 3.65          | 28.5                     | 3.45          | 28.6                     | 3.45          |
| 67.0               | 27.5                     | 3.80          | 28.5                     | 3.55          | 29.6                     | 3.30          | 30.3                     | 3.20          |                          |               |
| 65.0               | 29.3                     | 3.40          | 30.4                     | 3.20          | 31.4                     | 3.00          | 32.0                     | 2.95          |                          |               |
| 62.0               | 32.0                     | 2.80          | 33.0                     | 2.70          | 33.9                     | 2.55          | 34.4                     | 2.50          |                          |               |
| 60.0               | 33.8                     | 2.45          | 34.7                     | 2.40          | 35.5                     | 2.30          | 36.0                     | 2.25          |                          |               |
| 57.0               | 36.2                     | 2.10          | 37.1                     | 2.00          | 37.9                     | 1.90          | 38.2                     | 1.90          |                          |               |
| 55.0               | 37.8                     | 1.85          | 38.6                     | 1.80          | 39.4                     | 1.70          | 39.6                     | 1.70          |                          |               |
| 52.0               | 40.1                     | 1.50          | 40.9                     | 1.45          | 41.5                     | 1.45          |                          |               |                          |               |
| 50.0               | 41.6                     | 1.35          | 42.3                     | 1.30          | 42.9                     | 1.25          |                          |               |                          |               |
| 47.0               | 43.7                     | 1.10          | 44.3                     | 1.10          | 44.8                     | 1.05          |                          |               |                          |               |
| 45.0               | 45.0                     | 0.90          | 45.6                     | 0.90          | 46.1                     | 0.90          |                          |               |                          |               |
| 42.0               | 46.8                     | 0.60          | 47.3                     | 0.60          | 47.7                     | 0.60          |                          |               |                          |               |
| 41.0               | 47.4                     | 0.50          | 47.9                     | 0.50          | 48.2                     | 0.50          |                          |               |                          |               |
| Min. boom angle(°) | 39                       |               | 39                       |               | 39                       |               | 51                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SS2

Outriggers intermediately extended (6.0m) over side, with 29.8ton counterweight mounted to crane  
51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.9                      | 4.10          | 8.5                      | 4.10          | 10.9                     | 4.10          | 12.6                     | 4.10          | 13.7                     | 4.10          |
| 80.0               | 11.6                     | 4.10          | 13.3                     | 4.10          | 15.3                     | 4.10          | 16.9                     | 4.10          | 17.6                     | 4.10          |
| 77.0               | 15.6                     | 4.10          | 17.2                     | 4.10          | 19.0                     | 4.10          | 20.4                     | 4.10          | 21.0                     | 4.10          |
| 75.0               | 18.2                     | 4.10          | 19.6                     | 4.10          | 21.4                     | 4.10          | 22.6                     | 4.10          | 23.1                     | 4.10          |
| 72.0               | 21.8                     | 4.10          | 23.3                     | 4.10          | 24.8                     | 4.00          | 25.8                     | 3.85          | 26.0                     | 3.80          |
| 70.0               | 24.3                     | 4.10          | 25.4                     | 4.05          | 26.7                     | 3.80          | 27.6                     | 3.60          | 27.8                     | 3.55          |
| 69.0               | 25.4                     | 4.10          | 26.5                     | 3.95          | 27.7                     | 3.65          | 28.5                     | 3.45          | 28.6                     | 3.45          |
| 67.0               | 27.5                     | 3.80          | 28.5                     | 3.55          | 29.6                     | 3.30          | 30.3                     | 3.20          |                          |               |
| 65.0               | 29.3                     | 3.40          | 30.4                     | 3.20          | 31.4                     | 3.00          | 32.0                     | 2.95          |                          |               |
| 62.0               | 32.0                     | 2.60          | 33.0                     | 2.50          | 33.9                     | 2.45          | 34.4                     | 2.40          |                          |               |
| 60.0               | 33.5                     | 2.25          | 34.7                     | 2.10          | 35.5                     | 2.10          | 36.0                     | 2.05          |                          |               |
| 57.0               | 35.9                     | 1.75          | 36.6                     | 1.70          | 37.6                     | 1.65          | 37.9                     | 1.65          |                          |               |
| 55.0               | 37.4                     | 1.45          | 38.1                     | 1.45          | 39.0                     | 1.40          | 39.3                     | 1.40          |                          |               |
| 52.0               | 39.5                     | 1.00          | 40.3                     | 1.00          | 41.1                     | 1.00          |                          |               |                          |               |
| 50.0               | 40.9                     | 0.75          | 41.7                     | 0.75          | 42.3                     | 0.75          |                          |               |                          |               |
| 49.0               | 41.5                     | 0.60          | 42.3                     | 0.60          |                          |               |                          |               |                          |               |
| 48.0               | 42.2                     | 0.50          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 47                       |               | 48                       |               | 48                       |               | 51                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SS3

Outriggers intermediately extended (5.0m) over side, with 29.8ton counterweight mounted to crane  
51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.9                      | 4.10          | 8.5                      | 4.10          | 10.9                     | 4.10          | 12.6                     | 4.10          | 13.7                     | 4.10          |
| 80.0               | 11.6                     | 4.10          | 13.3                     | 4.10          | 15.3                     | 4.10          | 16.9                     | 4.10          | 17.6                     | 4.10          |
| 77.0               | 15.6                     | 4.10          | 17.2                     | 4.10          | 19.0                     | 4.10          | 20.4                     | 4.10          | 21.0                     | 4.10          |
| 75.0               | 18.2                     | 4.10          | 19.6                     | 4.10          | 21.4                     | 4.10          | 22.6                     | 4.10          | 23.1                     | 4.10          |
| 72.0               | 21.8                     | 4.10          | 23.3                     | 4.10          | 24.8                     | 4.00          | 25.8                     | 3.85          | 26.0                     | 3.80          |
| 70.0               | 24.3                     | 4.10          | 25.4                     | 3.85          | 26.7                     | 3.65          | 27.6                     | 3.50          | 27.8                     | 3.50          |
| 69.0               | 25.0                     | 3.80          | 26.1                     | 3.60          | 27.6                     | 3.35          | 28.3                     | 3.25          | 28.6                     | 3.25          |
| 67.0               | 26.9                     | 3.15          | 27.8                     | 3.05          | 29.2                     | 2.80          | 29.9                     | 2.75          |                          |               |
| 65.0               | 28.6                     | 2.60          | 29.6                     | 2.50          | 30.8                     | 2.40          | 31.5                     | 2.30          |                          |               |
| 62.0               | 31.1                     | 2.00          | 32.1                     | 1.90          | 33.2                     | 1.80          | 33.8                     | 1.75          |                          |               |
| 60.0               | 32.8                     | 1.60          | 33.7                     | 1.55          | 34.8                     | 1.45          | 35.3                     | 1.45          |                          |               |
| 58.0               | 34.4                     | 1.20          | 35.2                     | 1.20          | 36.2                     | 1.15          | 36.7                     | 1.15          |                          |               |
| 57.0               | 35.1                     | 1.00          | 35.9                     | 1.00          | 37.0                     | 1.00          |                          |               |                          |               |
| Min. boom angle(°) | 56                       |               | 56                       |               | 56                       |               | 56                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

SS

SA

SB

SC

SD

SE

33.2m Boom

40.5m Boom

47.9m Boom

51.3m Boom

**Specification SS1**

 Outriggers fully extended (7.2m) 360° full range, with 29.8ton counterweight mounted to crane  
 51.3m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.3                      | 3.00          | 11.3                     | 3.00          | 15.2                     | 3.00          | 17.9                     | 3.00          | 19.2                     | 2.40          |
| 80.0               | 12.5                     | 3.00          | 16.2                     | 3.00          | 19.9                     | 3.00          | 22.2                     | 2.85          | 23.0                     | 2.35          |
| 77.0               | 16.9                     | 3.00          | 20.4                     | 3.00          | 23.8                     | 3.00          | 25.6                     | 2.75          | 26.2                     | 2.35          |
| 75.0               | 19.7                     | 3.00          | 23.1                     | 3.00          | 26.3                     | 3.00          | 27.8                     | 2.70          | 28.3                     | 2.30          |
| 72.0               | 23.8                     | 3.00          | 27.0                     | 3.00          | 29.8                     | 2.90          | 31.0                     | 2.60          | 31.3                     | 2.30          |
| 70.0               | 26.5                     | 3.00          | 29.6                     | 3.00          | 31.8                     | 2.70          | 33.0                     | 2.45          | 33.2                     | 2.30          |
| 69.0               | 27.9                     | 3.00          | 30.7                     | 2.90          | 32.7                     | 2.60          | 34.0                     | 2.40          | 34.2                     | 2.25          |
| 67.0               | 30.4                     | 2.95          | 32.8                     | 2.75          | 34.7                     | 2.40          | 35.8                     | 2.25          |                          |               |
| 65.0               | 32.5                     | 2.85          | 34.8                     | 2.55          | 36.5                     | 2.25          | 37.7                     | 2.10          |                          |               |
| 62.0               | 35.6                     | 2.40          | 37.8                     | 2.20          | 39.3                     | 2.00          | 40.2                     | 1.90          |                          |               |
| 60.0               | 37.6                     | 2.10          | 39.6                     | 1.95          | 41.2                     | 1.80          | 41.8                     | 1.75          |                          |               |
| 57.0               | 40.3                     | 1.75          | 42.2                     | 1.60          | 43.6                     | 1.50          | 44.0                     | 1.45          |                          |               |
| 55.0               | 42.0                     | 1.50          | 43.9                     | 1.45          | 45.1                     | 1.35          | 45.4                     | 1.35          |                          |               |
| 52.0               | 44.5                     | 1.25          | 46.2                     | 1.20          | 47.3                     | 1.15          |                          |               |                          |               |
| 50.0               | 46.1                     | 1.10          | 47.6                     | 1.05          | 48.7                     | 1.00          |                          |               |                          |               |
| 47.0               | 48.3                     | 0.85          | 49.7                     | 0.85          | 50.6                     | 0.80          |                          |               |                          |               |
| 45.0               | 49.7                     | 0.65          | 51.0                     | 0.65          | 51.8                     | 0.65          |                          |               |                          |               |
| 43.0               | 51.0                     | 0.50          | 52.3                     | 0.50          | 53.0                     | 0.50          |                          |               |                          |               |
| Min. boom angle(°) | 41                       |               | 41                       |               | 41                       |               | 51                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SS2**

 Outriggers intermediately extended (6.0m) over side, with 29.8ton counterweight mounted to crane  
 51.3m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.3                      | 3.00          | 11.3                     | 3.00          | 15.2                     | 3.00          | 17.9                     | 3.00          | 19.2                     | 2.40          |
| 80.0               | 12.5                     | 3.00          | 16.2                     | 3.00          | 19.9                     | 3.00          | 22.2                     | 2.85          | 23.0                     | 2.35          |
| 77.0               | 16.9                     | 3.00          | 20.4                     | 3.00          | 23.8                     | 3.00          | 25.6                     | 2.75          | 26.2                     | 2.35          |
| 75.0               | 19.7                     | 3.00          | 23.1                     | 3.00          | 26.3                     | 3.00          | 27.8                     | 2.70          | 28.3                     | 2.30          |
| 72.0               | 23.8                     | 3.00          | 27.0                     | 3.00          | 29.8                     | 2.90          | 31.0                     | 2.60          | 31.3                     | 2.30          |
| 70.0               | 26.5                     | 3.00          | 29.6                     | 3.00          | 31.8                     | 2.70          | 33.0                     | 2.45          | 33.2                     | 2.30          |
| 69.0               | 27.9                     | 3.00          | 30.7                     | 2.90          | 32.7                     | 2.60          | 34.0                     | 2.40          | 34.2                     | 2.25          |
| 67.0               | 30.4                     | 2.95          | 32.8                     | 2.75          | 34.7                     | 2.40          | 35.8                     | 2.25          |                          |               |
| 65.0               | 32.5                     | 2.85          | 34.8                     | 2.55          | 36.5                     | 2.25          | 37.7                     | 2.10          |                          |               |
| 62.0               | 35.6                     | 2.20          | 37.8                     | 2.00          | 39.3                     | 2.00          | 40.2                     | 1.90          |                          |               |
| 60.0               | 37.2                     | 1.90          | 39.3                     | 1.75          | 41.2                     | 1.60          | 41.8                     | 1.60          |                          |               |
| 57.0               | 39.8                     | 1.45          | 41.8                     | 1.35          | 43.3                     | 1.30          | 43.8                     | 1.30          |                          |               |
| 55.0               | 41.5                     | 1.15          | 43.3                     | 1.10          | 44.8                     | 1.10          | 45.1                     | 1.10          |                          |               |
| 52.0               | 43.7                     | 0.80          | 45.4                     | 0.75          | 46.8                     | 0.75          |                          |               |                          |               |
| 51.0               | 44.4                     | 0.65          | 46.1                     | 0.65          | 47.5                     | 0.60          |                          |               |                          |               |
| Min. boom angle(°) | 49                       |               | 49                       |               | 49                       |               | 51                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SS3**

 Outriggers intermediately extended (5.0m) over side, with 29.8ton counterweight mounted to crane  
 51.3m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.3                      | 3.00          | 11.3                     | 3.00          | 15.2                     | 3.00          | 17.9                     | 3.00          | 19.2                     | 2.40          |
| 80.0               | 12.5                     | 3.00          | 16.2                     | 3.00          | 19.9                     | 3.00          | 22.2                     | 2.85          | 23.0                     | 2.35          |
| 77.0               | 16.9                     | 3.00          | 20.4                     | 3.00          | 23.8                     | 3.00          | 25.6                     | 2.75          | 26.2                     | 2.35          |
| 75.0               | 19.7                     | 3.00          | 23.1                     | 3.00          | 26.3                     | 3.00          | 27.8                     | 2.70          | 28.3                     | 2.30          |
| 72.0               | 23.8                     | 3.00          | 27.0                     | 3.00          | 29.8                     | 2.90          | 31.0                     | 2.60          | 31.3                     | 2.30          |
| 70.0               | 26.5                     | 3.00          | 29.6                     | 3.00          | 31.8                     | 2.70          | 33.0                     | 2.45          | 33.2                     | 2.30          |
| 69.0               | 27.9                     | 3.00          | 30.7                     | 2.85          | 32.7                     | 2.60          | 34.0                     | 2.40          | 34.2                     | 2.25          |
| 67.0               | 30.0                     | 2.65          | 32.4                     | 2.40          | 34.4                     | 2.25          | 35.8                     | 2.15          |                          |               |
| 65.0               | 31.7                     | 2.25          | 34.1                     | 2.00          | 36.1                     | 1.85          | 37.3                     | 1.80          |                          |               |
| 62.0               | 34.6                     | 1.65          | 36.8                     | 1.50          | 38.5                     | 1.45          | 39.6                     | 1.40          |                          |               |
| 61.0               | 35.5                     | 1.50          | 37.6                     | 1.35          | 39.4                     | 1.30          | 40.3                     | 1.25          |                          |               |
| 60.0               | 36.4                     | 1.30          | 38.4                     | 1.20          | 40.2                     | 1.15          |                          |               |                          |               |
| 58.0               | 38.1                     | 0.95          | 40.0                     | 0.90          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 57                       |               | 57                       |               | 58                       |               | 58                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SS1

Outriggers fully extended (7.2m) 360° full range, with 29.8ton counterweight mounted to crane  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 8.6                      | 2.10          | 14.2                     | 2.10          | 19.6                     | 2.10          | 22.9                     | 1.75          | 24.8                     | 1.45          |
| 80.0               | 14.2                     | 2.10          | 19.7                     | 2.10          | 24.5                     | 2.05          | 27.2                     | 1.70          | 28.7                     | 1.40          |
| 77.0               | 19.0                     | 2.10          | 24.3                     | 2.10          | 28.5                     | 1.95          | 30.8                     | 1.60          | 31.9                     | 1.40          |
| 75.0               | 22.2                     | 2.10          | 27.2                     | 2.10          | 30.9                     | 1.85          | 33.1                     | 1.60          | 33.9                     | 1.40          |
| 72.0               | 26.8                     | 2.10          | 31.4                     | 2.10          | 34.6                     | 1.75          | 36.4                     | 1.55          | 36.9                     | 1.40          |
| 70.0               | 29.8                     | 2.10          | 34.0                     | 2.05          | 36.8                     | 1.75          | 38.5                     | 1.55          | 38.8                     | 1.40          |
| 69.0               | 31.2                     | 2.10          | 35.2                     | 2.05          | 37.9                     | 1.75          | 39.5                     | 1.55          | 39.7                     | 1.40          |
| 67.0               | 33.8                     | 2.10          | 37.5                     | 1.95          | 40.0                     | 1.65          | 41.5                     | 1.50          |                          |               |
| 65.0               | 36.5                     | 2.10          | 39.7                     | 1.85          | 42.2                     | 1.60          | 43.4                     | 1.50          |                          |               |
| 62.0               | 39.8                     | 2.00          | 43.0                     | 1.70          | 45.1                     | 1.45          | 46.1                     | 1.40          |                          |               |
| 60.0               | 41.7                     | 1.80          | 44.9                     | 1.55          | 46.8                     | 1.40          | 47.6                     | 1.35          |                          |               |
| 57.0               | 44.6                     | 1.50          | 47.6                     | 1.30          | 49.3                     | 1.25          | 49.9                     | 1.20          |                          |               |
| 55.0               | 46.6                     | 1.30          | 49.3                     | 1.15          | 50.9                     | 1.10          | 51.4                     | 1.05          |                          |               |
| 52.0               | 49.4                     | 1.05          | 51.7                     | 0.95          | 53.2                     | 0.90          |                          |               |                          |               |
| 50.0               | 51.0                     | 0.90          | 53.2                     | 0.85          | 54.6                     | 0.80          |                          |               |                          |               |
| 47.0               | 53.2                     | 0.65          | 55.3                     | 0.65          | 56.5                     | 0.65          |                          |               |                          |               |
| 45.0               | 54.6                     | 0.50          | 56.6                     | 0.50          | 57.7                     | 0.50          |                          |               |                          |               |
| Min. boom angle(°) | 43                       |               | 43                       |               | 43                       |               | 51                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SS2

Outriggers intermediately extended (6.0m) over side, with 29.8ton counterweight mounted to crane  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 8.6                      | 2.10          | 14.2                     | 2.10          | 19.6                     | 2.10          | 22.9                     | 1.75          | 24.8                     | 1.45          |
| 80.0               | 14.2                     | 2.10          | 19.7                     | 2.10          | 24.5                     | 2.05          | 27.2                     | 1.70          | 28.7                     | 1.40          |
| 77.0               | 19.0                     | 2.10          | 24.3                     | 2.10          | 28.5                     | 1.95          | 30.8                     | 1.60          | 31.9                     | 1.40          |
| 75.0               | 22.2                     | 2.10          | 27.2                     | 2.10          | 30.9                     | 1.85          | 33.1                     | 1.60          | 33.9                     | 1.40          |
| 72.0               | 26.8                     | 2.10          | 31.4                     | 2.10          | 34.6                     | 1.75          | 36.4                     | 1.55          | 36.9                     | 1.40          |
| 70.0               | 29.8                     | 2.10          | 34.0                     | 2.05          | 36.8                     | 1.75          | 38.5                     | 1.55          | 38.8                     | 1.40          |
| 69.0               | 31.2                     | 2.10          | 35.2                     | 2.05          | 37.9                     | 1.75          | 39.5                     | 1.55          | 39.7                     | 1.40          |
| 67.0               | 33.8                     | 2.10          | 37.5                     | 1.95          | 40.0                     | 1.65          | 41.5                     | 1.50          |                          |               |
| 65.0               | 36.5                     | 2.10          | 39.7                     | 1.85          | 42.2                     | 1.60          | 43.4                     | 1.50          |                          |               |
| 62.0               | 39.8                     | 1.80          | 43.0                     | 1.60          | 45.1                     | 1.45          | 46.1                     | 1.40          |                          |               |
| 60.0               | 41.2                     | 1.60          | 44.6                     | 1.40          | 46.8                     | 1.35          | 47.6                     | 1.35          |                          |               |
| 57.0               | 43.8                     | 1.20          | 46.9                     | 1.05          | 49.0                     | 1.05          | 49.7                     | 1.05          |                          |               |
| 56.0               | 44.7                     | 1.05          | 47.7                     | 0.95          | 49.7                     | 0.95          | 50.4                     | 0.95          |                          |               |
| 55.0               | 45.6                     | 0.95          | 48.5                     | 0.85          | 50.4                     | 0.85          |                          |               |                          |               |
| 54.0               | 46.4                     | 0.80          | 49.2                     | 0.75          | 51.1                     | 0.75          |                          |               |                          |               |
| 53.0               | 47.3                     | 0.70          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 51                       |               | 52                       |               | 52                       |               | 52                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SS3

Outriggers intermediately extended (5.0m) over side, with 29.8ton counterweight mounted to crane  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 8.6                      | 2.10          | 14.2                     | 2.10          | 19.6                     | 2.10          | 22.9                     | 1.75          | 24.8                     | 1.45          |
| 80.0               | 14.2                     | 2.10          | 19.7                     | 2.10          | 24.5                     | 2.05          | 27.2                     | 1.70          | 28.7                     | 1.40          |
| 77.0               | 19.0                     | 2.10          | 24.3                     | 2.10          | 28.5                     | 1.95          | 30.8                     | 1.60          | 31.9                     | 1.40          |
| 75.0               | 22.2                     | 2.10          | 27.2                     | 2.10          | 30.9                     | 1.85          | 33.1                     | 1.60          | 33.9                     | 1.40          |
| 72.0               | 26.8                     | 2.10          | 31.4                     | 2.10          | 34.6                     | 1.75          | 36.4                     | 1.55          | 36.9                     | 1.40          |
| 70.0               | 29.8                     | 2.10          | 34.0                     | 2.05          | 36.8                     | 1.75          | 38.5                     | 1.55          | 38.8                     | 1.40          |
| 69.0               | 31.2                     | 2.10          | 35.2                     | 2.05          | 37.9                     | 1.75          | 39.5                     | 1.55          | 39.7                     | 1.40          |
| 67.0               | 33.8                     | 2.10          | 37.5                     | 1.85          | 40.0                     | 1.65          | 41.5                     | 1.50          |                          |               |
| 65.0               | 35.8                     | 1.80          | 39.1                     | 1.60          | 41.9                     | 1.45          | 43.4                     | 1.40          |                          |               |
| 62.0               | 38.4                     | 1.35          | 41.6                     | 1.15          | 44.2                     | 1.05          | 45.5                     | 1.05          |                          |               |
| 61.0               | 39.2                     | 1.20          | 42.4                     | 1.00          | 45.0                     | 0.95          |                          |               |                          |               |
| 60.0               | 40.0                     | 1.05          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 58                       |               | 59                       |               | 59                       |               | 59                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

SS

SA

SB

SC

SD

SE

33.2m Boom

40.5m Boom

47.9m Boom

51.3m Boom













Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SA1

Outriggers fully extended (7.2m) 360° full range, with 25.8ton counterweight mounted to crane  
40.5m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 2.70          | 12.1                     | 2.70          | 17.0                     | 2.35          | 20.3                     | 1.85          | 22.1                     | 1.50          |
| 80.0               | 10.8                     | 2.70          | 16.3                     | 2.70          | 20.6                     | 2.20          | 23.5                     | 1.75          | 25.1                     | 1.45          |
| 77.0               | 14.4                     | 2.70          | 19.9                     | 2.70          | 23.6                     | 2.10          | 26.2                     | 1.70          | 27.6                     | 1.45          |
| 75.0               | 16.9                     | 2.70          | 22.0                     | 2.60          | 25.5                     | 2.00          | 28.0                     | 1.70          | 29.2                     | 1.40          |
| 72.0               | 20.6                     | 2.70          | 25.2                     | 2.40          | 28.4                     | 1.90          | 30.6                     | 1.60          | 31.5                     | 1.40          |
| 70.0               | 22.9                     | 2.70          | 27.2                     | 2.30          | 30.3                     | 1.85          | 32.3                     | 1.60          | 33.0                     | 1.40          |
| 67.0               | 26.4                     | 2.70          | 30.1                     | 2.15          | 32.9                     | 1.75          | 34.7                     | 1.55          | 35.2                     | 1.40          |
| 65.0               | 28.5                     | 2.65          | 31.9                     | 2.10          | 34.6                     | 1.70          | 36.2                     | 1.55          |                          |               |
| 62.0               | 31.5                     | 2.50          | 34.6                     | 1.95          | 37.1                     | 1.70          | 38.5                     | 1.55          |                          |               |
| 60.0               | 33.4                     | 2.35          | 36.3                     | 1.85          | 38.7                     | 1.65          | 39.9                     | 1.55          |                          |               |
| 57.0               | 36.1                     | 2.15          | 38.8                     | 1.75          | 41.0                     | 1.60          | 41.9                     | 1.50          |                          |               |
| 55.0               | 37.9                     | 2.10          | 40.4                     | 1.70          | 42.4                     | 1.60          | 43.2                     | 1.50          |                          |               |
| 53.0               | 39.5                     | 1.95          | 41.9                     | 1.65          | 43.8                     | 1.60          | 44.4                     | 1.50          |                          |               |
| 52.0               | 40.3                     | 1.90          | 42.6                     | 1.60          | 44.4                     | 1.55          |                          |               |                          |               |
| 50.0               | 41.9                     | 1.80          | 44.0                     | 1.60          | 45.7                     | 1.55          |                          |               |                          |               |
| 47.0               | 43.8                     | 1.50          | 46.0                     | 1.40          | 47.4                     | 1.35          |                          |               |                          |               |
| 45.0               | 45.1                     | 1.35          | 47.1                     | 1.25          | 48.4                     | 1.25          |                          |               |                          |               |
| 42.0               | 47.0                     | 1.10          | 48.8                     | 1.05          | 49.8                     | 1.05          |                          |               |                          |               |
| 40.0               | 48.1                     | 0.90          | 49.9                     | 0.90          | 50.8                     | 0.90          |                          |               |                          |               |
| 35.0               | 50.8                     | 0.55          | 52.3                     | 0.55          |                          |               |                          |               |                          |               |
| 34.0               | 51.3                     | 0.50          | 52.7                     | 0.50          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 33                       |               | 33                       |               | 39                       |               | 50                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SA2

Outriggers intermediately extended (6.0m) over side, with 25.8ton counterweight mounted to crane  
40.5m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 2.70          | 12.1                     | 2.70          | 17.0                     | 2.35          | 20.3                     | 1.85          | 22.1                     | 1.50          |
| 80.0               | 10.8                     | 2.70          | 16.3                     | 2.70          | 20.6                     | 2.20          | 23.5                     | 1.75          | 25.1                     | 1.45          |
| 77.0               | 14.4                     | 2.70          | 19.9                     | 2.70          | 23.6                     | 2.10          | 26.2                     | 1.70          | 27.6                     | 1.45          |
| 75.0               | 16.9                     | 2.70          | 22.0                     | 2.60          | 25.5                     | 2.00          | 28.0                     | 1.70          | 29.2                     | 1.40          |
| 72.0               | 20.6                     | 2.70          | 25.2                     | 2.40          | 28.4                     | 1.90          | 30.6                     | 1.60          | 31.5                     | 1.40          |
| 70.0               | 22.9                     | 2.70          | 27.2                     | 2.30          | 30.3                     | 1.85          | 32.3                     | 1.60          | 33.0                     | 1.40          |
| 67.0               | 26.4                     | 2.70          | 30.1                     | 2.15          | 32.9                     | 1.75          | 34.7                     | 1.55          | 35.2                     | 1.40          |
| 65.0               | 28.5                     | 2.65          | 31.9                     | 2.10          | 34.6                     | 1.70          | 36.2                     | 1.55          |                          |               |
| 62.0               | 31.5                     | 2.50          | 34.6                     | 1.95          | 37.1                     | 1.70          | 38.5                     | 1.55          |                          |               |
| 60.0               | 33.4                     | 2.35          | 36.3                     | 1.85          | 38.7                     | 1.65          | 39.9                     | 1.55          |                          |               |
| 57.0               | 36.1                     | 1.95          | 38.8                     | 1.75          | 41.0                     | 1.60          | 41.9                     | 1.50          |                          |               |
| 55.0               | 37.5                     | 1.70          | 40.4                     | 1.55          | 42.4                     | 1.45          | 43.2                     | 1.45          |                          |               |
| 53.0               | 39.0                     | 1.50          | 41.6                     | 1.35          | 43.6                     | 1.30          | 44.3                     | 1.30          |                          |               |
| 52.0               | 39.8                     | 1.35          | 42.3                     | 1.25          | 44.2                     | 1.20          |                          |               |                          |               |
| 50.0               | 41.2                     | 1.15          | 43.6                     | 1.10          | 45.4                     | 1.05          |                          |               |                          |               |
| 47.0               | 43.2                     | 0.85          | 45.4                     | 0.80          | 47.0                     | 0.80          |                          |               |                          |               |
| 45.0               | 44.4                     | 0.65          | 46.6                     | 0.65          | 48.0                     | 0.65          |                          |               |                          |               |
| 43.0               | 45.6                     | 0.50          | 47.7                     | 0.50          | 49.0                     | 0.50          |                          |               |                          |               |
| Min. boom angle(°) | 42                       |               | 42                       |               | 42                       |               | 51                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SA3

Outriggers intermediately extended (5.0m) over side, with 25.8ton counterweight mounted to crane  
40.5m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 2.70          | 12.1                     | 2.70          | 17.0                     | 2.35          | 20.3                     | 1.85          | 22.1                     | 1.50          |
| 80.0               | 10.8                     | 2.70          | 16.3                     | 2.70          | 20.6                     | 2.20          | 23.5                     | 1.75          | 25.1                     | 1.45          |
| 77.0               | 14.4                     | 2.70          | 19.9                     | 2.70          | 23.6                     | 2.10          | 26.2                     | 1.70          | 27.6                     | 1.45          |
| 75.0               | 16.9                     | 2.70          | 22.0                     | 2.60          | 25.5                     | 2.00          | 28.0                     | 1.70          | 29.2                     | 1.40          |
| 72.0               | 20.6                     | 2.70          | 25.2                     | 2.40          | 28.4                     | 1.90          | 30.6                     | 1.60          | 31.5                     | 1.40          |
| 70.0               | 22.9                     | 2.70          | 27.2                     | 2.30          | 30.3                     | 1.85          | 32.3                     | 1.60          | 33.0                     | 1.40          |
| 67.0               | 26.4                     | 2.70          | 30.1                     | 2.15          | 32.9                     | 1.75          | 34.7                     | 1.55          | 35.2                     | 1.40          |
| 65.0               | 28.5                     | 2.65          | 31.9                     | 2.10          | 34.6                     | 1.70          | 36.2                     | 1.55          |                          |               |
| 62.0               | 31.2                     | 2.20          | 34.6                     | 1.90          | 37.1                     | 1.70          | 38.5                     | 1.55          |                          |               |
| 60.0               | 32.8                     | 1.85          | 36.0                     | 1.60          | 38.5                     | 1.50          | 39.9                     | 1.45          |                          |               |
| 57.0               | 35.3                     | 1.40          | 38.3                     | 1.25          | 40.6                     | 1.20          | 41.7                     | 1.15          |                          |               |
| 55.0               | 36.8                     | 1.10          | 39.7                     | 1.00          | 41.8                     | 0.95          | 42.9                     | 0.95          |                          |               |
| 53.0               | 38.2                     | 0.85          | 41.1                     | 0.75          | 43.1                     | 0.75          | 44.0                     | 0.75          |                          |               |
| 52.0               | 39.0                     | 0.75          | 41.8                     | 0.65          | 43.7                     | 0.65          |                          |               |                          |               |
| 51.0               | 39.6                     | 0.60          | 42.4                     | 0.55          | 44.3                     | 0.55          |                          |               |                          |               |
| Min. boom angle(°) | 50                       |               | 50                       |               | 50                       |               | 51                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SA4

Outriggers intermediately extended (4.2m) over side, with 25.8ton counterweight mounted to crane  
40.5m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 2.70          | 12.1                     | 2.70          | 17.0                     | 2.35          | 20.3                     | 1.85          | 22.1                     | 1.50          |
| 80.0               | 10.8                     | 2.70          | 16.3                     | 2.70          | 20.6                     | 2.20          | 23.5                     | 1.75          | 25.1                     | 1.45          |
| 77.0               | 14.4                     | 2.70          | 19.9                     | 2.70          | 23.6                     | 2.10          | 26.2                     | 1.70          | 27.6                     | 1.45          |
| 75.0               | 16.9                     | 2.70          | 22.0                     | 2.60          | 25.5                     | 2.00          | 28.0                     | 1.70          | 29.2                     | 1.40          |
| 72.0               | 20.6                     | 2.70          | 25.2                     | 2.40          | 28.4                     | 1.90          | 30.6                     | 1.60          | 31.5                     | 1.40          |
| 70.0               | 22.9                     | 2.70          | 27.2                     | 2.30          | 30.3                     | 1.85          | 32.3                     | 1.60          | 33.0                     | 1.40          |
| 67.0               | 26.4                     | 2.70          | 30.1                     | 2.15          | 32.9                     | 1.75          | 34.7                     | 1.55          | 35.2                     | 1.40          |
| 65.0               | 28.1                     | 2.25          | 31.7                     | 1.90          | 34.6                     | 1.70          | 36.2                     | 1.55          |                          |               |
| 62.0               | 30.6                     | 1.70          | 34.0                     | 1.45          | 36.8                     | 1.30          | 38.3                     | 1.25          |                          |               |
| 60.0               | 32.2                     | 1.30          | 35.5                     | 1.10          | 38.1                     | 1.00          | 39.5                     | 1.00          |                          |               |
| 59.0               | 33.0                     | 1.15          | 36.2                     | 0.95          | 38.7                     | 0.90          | 40.1                     | 0.85          |                          |               |
| 58.0               | 33.8                     | 1.00          | 36.9                     | 0.85          | 39.3                     | 0.75          |                          |               |                          |               |
| Min. boom angle(°) | 57                       |               | 57                       |               | 57                       |               | 57                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SA1**

 Outriggers fully extended (7.2m) 360° full range, with 25.8ton counterweight mounted to crane  
 47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 4.50          | 8.0                      | 4.50          | 10.2                     | 4.50          | 11.9                     | 4.50          | 12.9                     | 4.50          |
| 80.0               | 10.6                     | 4.50          | 12.3                     | 4.50          | 14.2                     | 4.50          | 15.7                     | 4.50          | 16.6                     | 4.50          |
| 77.0               | 14.1                     | 4.50          | 15.7                     | 4.50          | 17.5                     | 4.50          | 18.9                     | 4.50          | 19.5                     | 4.50          |
| 75.0               | 16.5                     | 4.50          | 18.0                     | 4.50          | 19.7                     | 4.50          | 20.9                     | 4.50          | 21.5                     | 4.50          |
| 72.0               | 19.9                     | 4.50          | 21.2                     | 4.50          | 22.9                     | 4.50          | 24.0                     | 4.50          | 24.4                     | 4.50          |
| 70.0               | 22.1                     | 4.50          | 23.2                     | 4.50          | 24.9                     | 4.50          | 25.9                     | 4.50          | 26.2                     | 4.35          |
| 68.0               | 24.3                     | 4.50          | 25.3                     | 4.50          | 27.0                     | 4.50          | 27.6                     | 4.45          | 28.1                     | 3.30          |
| 67.0               | 25.4                     | 4.50          | 26.5                     | 4.50          | 27.9                     | 4.50          | 28.4                     | 4.35          |                          |               |
| 65.0               | 27.3                     | 4.45          | 28.5                     | 4.35          | 29.6                     | 4.10          | 30.0                     | 4.00          |                          |               |
| 62.0               | 29.9                     | 3.70          | 31.0                     | 3.50          | 32.0                     | 3.40          | 32.4                     | 3.35          |                          |               |
| 60.0               | 31.6                     | 3.20          | 32.6                     | 3.00          | 33.5                     | 2.95          | 33.9                     | 2.95          |                          |               |
| 57.0               | 33.6                     | 2.65          | 34.5                     | 2.55          | 35.4                     | 2.45          | 36.1                     | 2.35          |                          |               |
| 55.0               | 35.1                     | 2.30          | 35.9                     | 2.20          | 36.7                     | 2.15          | 37.2                     | 2.10          |                          |               |
| 52.0               | 37.2                     | 1.85          | 38.0                     | 1.80          | 38.6                     | 1.75          |                          |               |                          |               |
| 50.0               | 38.5                     | 1.60          | 39.3                     | 1.55          | 39.9                     | 1.50          |                          |               |                          |               |
| 47.0               | 40.4                     | 1.25          | 41.2                     | 1.25          | 41.7                     | 1.25          |                          |               |                          |               |
| 45.0               | 41.7                     | 1.00          | 42.4                     | 1.00          | 42.8                     | 1.00          |                          |               |                          |               |
| 42.0               | 43.5                     | 0.70          | 44.2                     | 0.70          | 44.4                     | 0.70          |                          |               |                          |               |
| 41.0               | 44.1                     | 0.60          | 44.7                     | 0.60          | 44.9                     | 0.60          |                          |               |                          |               |
| 40.0               | 44.6                     | 0.50          | 45.2                     | 0.50          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 39                       |               | 39                       |               | 39                       |               | 51                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SA2**

 Outriggers intermediately extended (6.0m) over side, with 25.8ton counterweight mounted to crane  
 47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 4.50          | 8.0                      | 4.50          | 10.2                     | 4.50          | 11.9                     | 4.50          | 12.9                     | 4.50          |
| 80.0               | 10.6                     | 4.50          | 12.3                     | 4.50          | 14.2                     | 4.50          | 15.7                     | 4.50          | 16.6                     | 4.50          |
| 77.0               | 14.1                     | 4.50          | 15.7                     | 4.50          | 17.5                     | 4.50          | 18.9                     | 4.50          | 19.5                     | 4.50          |
| 75.0               | 16.5                     | 4.50          | 18.0                     | 4.50          | 19.7                     | 4.50          | 20.9                     | 4.50          | 21.5                     | 4.50          |
| 72.0               | 19.9                     | 4.50          | 21.2                     | 4.50          | 22.9                     | 4.50          | 24.0                     | 4.50          | 24.4                     | 4.50          |
| 70.0               | 22.1                     | 4.50          | 23.2                     | 4.50          | 24.9                     | 4.50          | 25.9                     | 4.50          | 26.2                     | 4.35          |
| 68.0               | 24.3                     | 4.50          | 25.3                     | 4.30          | 26.6                     | 4.05          | 27.2                     | 4.00          | 28.1                     | 3.30          |
| 67.0               | 25.4                     | 4.10          | 26.2                     | 3.95          | 27.4                     | 3.75          | 28.0                     | 3.70          |                          |               |
| 65.0               | 26.6                     | 3.65          | 27.8                     | 3.40          | 29.0                     | 3.20          | 29.5                     | 3.20          |                          |               |
| 62.0               | 29.0                     | 2.85          | 30.1                     | 2.70          | 31.2                     | 2.60          | 31.7                     | 2.55          |                          |               |
| 60.0               | 30.6                     | 2.45          | 31.6                     | 2.30          | 32.7                     | 2.20          | 33.1                     | 2.20          |                          |               |
| 57.0               | 32.9                     | 1.85          | 33.8                     | 1.80          | 34.8                     | 1.70          | 35.2                     | 1.70          |                          |               |
| 55.0               | 34.4                     | 1.55          | 35.3                     | 1.50          | 36.2                     | 1.40          | 36.5                     | 1.40          |                          |               |
| 52.0               | 36.6                     | 1.10          | 37.4                     | 1.10          | 38.1                     | 1.10          |                          |               |                          |               |
| 50.0               | 37.9                     | 0.85          | 38.7                     | 0.85          | 39.4                     | 0.85          |                          |               |                          |               |
| 48.0               | 39.1                     | 0.60          | 39.9                     | 0.60          | 40.5                     | 0.60          |                          |               |                          |               |
| Min. boom angle(°) | 47                       |               | 47                       |               | 47                       |               | 52                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SA3**

 Outriggers intermediately extended (5.0m) over side, with 25.8ton counterweight mounted to crane  
 47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 4.50          | 8.0                      | 4.50          | 10.2                     | 4.50          | 11.9                     | 4.50          | 12.9                     | 4.50          |
| 80.0               | 10.6                     | 4.50          | 12.3                     | 4.50          | 14.2                     | 4.50          | 15.7                     | 4.50          | 16.6                     | 4.50          |
| 77.0               | 14.1                     | 4.50          | 15.7                     | 4.50          | 17.5                     | 4.50          | 18.9                     | 4.50          | 19.5                     | 4.50          |
| 75.0               | 16.5                     | 4.50          | 18.0                     | 4.50          | 19.7                     | 4.50          | 20.9                     | 4.50          | 21.5                     | 4.50          |
| 72.0               | 19.9                     | 4.50          | 21.2                     | 4.50          | 22.9                     | 4.50          | 24.0                     | 4.25          | 24.4                     | 4.15          |
| 70.0               | 22.1                     | 4.35          | 23.2                     | 4.10          | 24.5                     | 3.80          | 25.4                     | 3.65          | 26.2                     | 3.40          |
| 68.0               | 23.8                     | 3.60          | 24.9                     | 3.40          | 26.1                     | 3.25          | 26.8                     | 3.15          | 28.1                     | 2.75          |
| 67.0               | 24.6                     | 3.30          | 25.7                     | 3.15          | 26.8                     | 3.00          | 27.6                     | 2.90          |                          |               |
| 65.0               | 26.2                     | 2.75          | 27.2                     | 2.65          | 28.4                     | 2.50          | 29.0                     | 2.45          |                          |               |
| 62.0               | 28.5                     | 2.10          | 29.5                     | 2.00          | 30.7                     | 1.85          | 31.2                     | 1.85          |                          |               |
| 60.0               | 30.1                     | 1.70          | 31.1                     | 1.60          | 32.2                     | 1.55          | 32.6                     | 1.55          |                          |               |
| 58.0               | 31.7                     | 1.30          | 32.6                     | 1.30          | 33.7                     | 1.20          | 34.0                     | 1.20          |                          |               |
| 57.0               | 32.4                     | 1.10          | 33.3                     | 1.10          | 34.4                     | 1.05          |                          |               |                          |               |
| Min. boom angle(°) | 56                       |               | 56                       |               | 56                       |               | 56                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SA4**

 Outriggers intermediately extended (4.2m) over side, with 25.8ton counterweight mounted to crane  
 47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 4.50          | 8.0                      | 4.50          | 10.2                     | 4.50          | 11.9                     | 4.50          | 12.9                     | 4.50          |
| 80.0               | 10.6                     | 4.50          | 12.3                     | 4.50          | 14.2                     | 4.50          | 15.7                     | 4.50          | 16.6                     | 4.50          |
| 77.0               | 14.1                     | 4.50          | 15.7                     | 4.50          | 17.5                     | 4.50          | 18.9                     | 4.50          | 19.5                     | 4.50          |
| 75.0               | 16.5                     | 4.50          | 18.0                     | 4.50          | 19.7                     | 4.50          | 20.9                     | 4.50          | 21.5                     | 4.50          |
| 72.0               | 19.9                     | 4.35          | 21.1                     | 4.05          | 22.4                     | 3.80          | 23.4                     | 3.55          | 24.1                     | 3.40          |
| 70.0               | 21.6                     | 3.60          | 22.8                     | 3.30          | 24.1                     | 3.10          | 24.9                     | 3.00          | 25.8                     | 2.75          |
| 68.0               | 23.3                     | 2.90          | 24.4                     | 2.70          | 25.6                     | 2.55          | 26.4                     | 2.50          | 27.6                     | 2.20          |
| 67.0               | 24.1                     | 2.65          | 25.2                     | 2.45          | 26.4                     | 2.30          | 27.2                     | 2.25          |                          |               |
| 65.0               | 25.7                     | 2.10          | 26.8                     | 2.00          | 28.0                     | 1.85          | 28.6                     | 1.85          |                          |               |
| 62.0               | 28.1                     | 1.40          | 29.1                     | 1.40          | 30.3                     | 1.30          | 30.8                     | 1.30          |                          |               |
| Min. boom angle(°) | 61                       |               | 61                       |               | 61                       |               | 61                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SA1

Outriggers fully extended (7.2m) 360° full range, with 25.8ton counterweight mounted to crane  
47.9m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.0                      | 3.20          | 10.8                     | 3.20          | 14.5                     | 3.20          | 17.0                     | 3.10          | 18.3                     | 2.45          |
| 80.0               | 11.7                     | 3.20          | 15.4                     | 3.20          | 18.9                     | 3.20          | 20.9                     | 2.90          | 21.9                     | 2.40          |
| 77.0               | 15.7                     | 3.20          | 19.2                     | 3.20          | 22.4                     | 3.20          | 24.1                     | 2.75          | 24.8                     | 2.35          |
| 75.0               | 18.3                     | 3.20          | 21.6                     | 3.20          | 24.7                     | 3.15          | 26.1                     | 2.70          | 26.7                     | 2.35          |
| 72.0               | 22.1                     | 3.20          | 25.2                     | 3.20          | 27.8                     | 3.05          | 29.0                     | 2.65          | 29.5                     | 2.35          |
| 70.0               | 24.5                     | 3.20          | 27.6                     | 3.20          | 29.8                     | 2.95          | 31.0                     | 2.60          | 31.3                     | 2.30          |
| 68.0               | 26.9                     | 3.20          | 29.9                     | 3.20          | 31.7                     | 2.85          | 32.8                     | 2.60          | 33.1                     | 2.25          |
| 67.0               | 28.0                     | 3.20          | 30.8                     | 3.15          | 32.7                     | 2.80          | 33.7                     | 2.60          |                          |               |
| 65.0               | 30.3                     | 3.20          | 32.6                     | 3.10          | 34.6                     | 2.75          | 35.5                     | 2.55          |                          |               |
| 62.0               | 33.6                     | 3.10          | 35.4                     | 2.90          | 37.2                     | 2.65          | 38.0                     | 2.55          |                          |               |
| 60.0               | 35.4                     | 2.65          | 37.2                     | 2.55          | 38.9                     | 2.40          | 39.6                     | 2.40          |                          |               |
| 57.0               | 37.6                     | 2.20          | 39.5                     | 2.10          | 41.0                     | 2.00          | 42.0                     | 1.95          |                          |               |
| 55.0               | 39.1                     | 1.90          | 41.0                     | 1.80          | 42.4                     | 1.75          | 43.6                     | 1.65          |                          |               |
| 52.0               | 41.4                     | 1.55          | 43.2                     | 1.45          | 44.4                     | 1.40          |                          |               |                          |               |
| 50.0               | 42.9                     | 1.35          | 44.6                     | 1.25          | 45.7                     | 1.25          |                          |               |                          |               |
| 47.0               | 45.0                     | 1.00          | 46.5                     | 1.00          | 47.5                     | 1.00          |                          |               |                          |               |
| 45.0               | 46.3                     | 0.80          | 47.8                     | 0.80          | 48.7                     | 0.80          |                          |               |                          |               |
| 43.0               | 47.6                     | 0.60          | 49.0                     | 0.60          | 49.8                     | 0.60          |                          |               |                          |               |
| Min. boom angle(°) | 41                       |               | 41                       |               | 41                       |               | 51                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SA2

Outriggers intermediately extended (6.0m) over side, with 25.8ton counterweight mounted to crane  
47.9m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.0                      | 3.20          | 10.8                     | 3.20          | 14.5                     | 3.20          | 17.0                     | 3.10          | 18.3                     | 2.45          |
| 80.0               | 11.7                     | 3.20          | 15.4                     | 3.20          | 18.9                     | 3.20          | 20.9                     | 2.90          | 21.9                     | 2.40          |
| 77.0               | 15.7                     | 3.20          | 19.2                     | 3.20          | 22.4                     | 3.20          | 24.1                     | 2.75          | 24.8                     | 2.35          |
| 75.0               | 18.3                     | 3.20          | 21.6                     | 3.20          | 24.7                     | 3.15          | 26.1                     | 2.70          | 26.7                     | 2.35          |
| 72.0               | 22.1                     | 3.20          | 25.2                     | 3.20          | 27.8                     | 3.05          | 29.0                     | 2.65          | 29.5                     | 2.35          |
| 70.0               | 24.5                     | 3.20          | 27.6                     | 3.20          | 29.8                     | 2.95          | 31.0                     | 2.60          | 31.3                     | 2.30          |
| 68.0               | 26.9                     | 3.20          | 29.9                     | 3.20          | 31.7                     | 2.85          | 32.8                     | 2.60          | 33.1                     | 2.25          |
| 67.0               | 28.0                     | 3.20          | 30.8                     | 3.15          | 32.7                     | 2.80          | 33.7                     | 2.60          |                          |               |
| 65.0               | 30.3                     | 2.95          | 32.3                     | 2.75          | 34.6                     | 2.50          | 35.5                     | 2.45          |                          |               |
| 62.0               | 32.6                     | 2.40          | 34.7                     | 2.20          | 36.7                     | 2.05          | 37.6                     | 2.00          |                          |               |
| 60.0               | 34.3                     | 2.00          | 36.3                     | 1.90          | 38.2                     | 1.75          | 39.0                     | 1.75          |                          |               |
| 57.0               | 36.8                     | 1.50          | 38.7                     | 1.45          | 40.3                     | 1.35          | 40.9                     | 1.40          |                          |               |
| 55.0               | 38.4                     | 1.25          | 40.3                     | 1.20          | 41.8                     | 1.15          | 42.1                     | 1.15          |                          |               |
| 52.0               | 40.7                     | 0.85          | 42.5                     | 0.80          | 43.8                     | 0.80          |                          |               |                          |               |
| 51.0               | 41.4                     | 0.75          | 43.2                     | 0.70          | 44.4                     | 0.70          |                          |               |                          |               |
| 50.0               | 42.1                     | 0.60          | 43.8                     | 0.60          |                          |               |                          |               |                          |               |
| 49.0               | 42.7                     | 0.55          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 48                       |               | 49                       |               | 49                       |               | 52                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SA3

Outriggers intermediately extended (5.0m) over side, with 25.8ton counterweight mounted to crane  
47.9m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.0                      | 3.20          | 10.8                     | 3.20          | 14.5                     | 3.20          | 17.0                     | 3.10          | 18.3                     | 2.45          |
| 80.0               | 11.7                     | 3.20          | 15.4                     | 3.20          | 18.9                     | 3.20          | 20.9                     | 2.90          | 21.9                     | 2.40          |
| 77.0               | 15.7                     | 3.20          | 19.2                     | 3.20          | 22.4                     | 3.20          | 24.1                     | 2.75          | 24.8                     | 2.35          |
| 75.0               | 18.3                     | 3.20          | 21.6                     | 3.20          | 24.7                     | 3.15          | 26.1                     | 2.70          | 26.7                     | 2.35          |
| 72.0               | 22.1                     | 3.20          | 25.2                     | 3.20          | 27.8                     | 3.05          | 29.0                     | 2.65          | 29.5                     | 2.35          |
| 70.0               | 24.5                     | 3.20          | 27.6                     | 3.20          | 29.8                     | 2.90          | 31.0                     | 2.60          | 31.3                     | 2.30          |
| 68.0               | 26.9                     | 3.00          | 29.3                     | 2.65          | 31.4                     | 2.45          | 32.6                     | 2.40          | 33.1                     | 2.25          |
| 67.0               | 27.6                     | 2.75          | 30.1                     | 2.45          | 32.2                     | 2.25          | 33.4                     | 2.20          |                          |               |
| 65.0               | 29.4                     | 2.30          | 31.6                     | 2.10          | 33.7                     | 1.90          | 34.9                     | 1.85          |                          |               |
| 62.0               | 31.9                     | 1.70          | 34.1                     | 1.60          | 36.1                     | 1.45          | 37.1                     | 1.45          |                          |               |
| 60.0               | 33.6                     | 1.40          | 35.7                     | 1.30          | 37.6                     | 1.20          | 38.5                     | 1.20          |                          |               |
| 59.0               | 34.4                     | 1.25          | 36.5                     | 1.10          | 38.3                     | 1.05          | 39.2                     | 1.05          |                          |               |
| 58.0               | 35.2                     | 1.05          | 37.3                     | 0.95          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 57                       |               | 57                       |               | 57                       |               | 57                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SA4

Outriggers intermediately extended (4.2m) over side, with 25.8ton counterweight mounted to crane  
47.9m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.0                      | 3.20          | 10.8                     | 3.20          | 14.5                     | 3.20          | 17.0                     | 3.10          | 18.3                     | 2.45          |
| 80.0               | 11.7                     | 3.20          | 15.4                     | 3.20          | 18.9                     | 3.20          | 20.9                     | 2.90          | 21.9                     | 2.40          |
| 77.0               | 15.7                     | 3.20          | 19.2                     | 3.20          | 22.4                     | 3.20          | 24.1                     | 2.75          | 24.8                     | 2.35          |
| 75.0               | 18.3                     | 3.20          | 21.6                     | 3.20          | 24.7                     | 3.15          | 26.1                     | 2.70          | 26.7                     | 2.35          |
| 72.0               | 22.1                     | 3.20          | 25.2                     | 3.15          | 27.5                     | 2.85          | 29.0                     | 2.65          | 29.5                     | 2.35          |
| 70.0               | 24.3                     | 2.95          | 27.0                     | 2.55          | 29.2                     | 2.35          | 30.6                     | 2.25          | 31.3                     | 2.20          |
| 68.0               | 26.1                     | 2.40          | 28.7                     | 2.10          | 30.8                     | 1.95          | 32.2                     | 1.85          | 33.0                     | 1.80          |
| 67.0               | 27.0                     | 2.15          | 29.5                     | 1.90          | 31.7                     | 1.75          | 33.0                     | 1.70          |                          |               |
| 65.0               | 28.8                     | 1.75          | 31.1                     | 1.60          | 33.3                     | 1.45          | 34.5                     | 1.40          |                          |               |
| 64.0               | 29.6                     | 1.55          | 31.9                     | 1.40          |                          |               |                          |               |                          |               |
| 63.0               | 30.5                     | 1.35          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 62                       |               | 63                       |               | 63                       |               | 63                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SA1**

 Outriggers fully extended (7.2m) 360° full range, with 25.8ton counterweight mounted to crane  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 7.5               | 2.20  | 13.5              | 2.20  | 18.5              | 2.20  | 22.0              | 1.80  | 23.9              | 1.45  |
| 80.0               | 13.1              | 2.20  | 18.5              | 2.20  | 23.1              | 2.10  | 26.0              | 1.70  | 27.5              | 1.45  |
| 77.0               | 17.6              | 2.20  | 22.6              | 2.20  | 26.6              | 2.00  | 29.3              | 1.65  | 30.5              | 1.40  |
| 75.0               | 20.5              | 2.20  | 25.2              | 2.20  | 28.9              | 1.90  | 31.3              | 1.60  | 32.3              | 1.40  |
| 72.0               | 24.7              | 2.20  | 29.1              | 2.20  | 32.3              | 1.80  | 34.3              | 1.55  | 35.1              | 1.40  |
| 70.0               | 27.5              | 2.20  | 31.7              | 2.20  | 34.5              | 1.75  | 36.3              | 1.55  | 36.9              | 1.35  |
| 68.0               | 30.0              | 2.20  | 33.9              | 2.10  | 36.5              | 1.70  | 38.2              | 1.55  | 38.6              | 1.30  |
| 67.0               | 31.3              | 2.20  | 34.9              | 2.05  | 37.5              | 1.70  | 39.2              | 1.55  |                   |       |
| 65.0               | 33.7              | 2.20  | 37.0              | 1.90  | 39.4              | 1.70  | 41.0              | 1.50  |                   |       |
| 62.0               | 37.3              | 2.20  | 40.1              | 1.80  | 42.2              | 1.60  | 43.5              | 1.50  |                   |       |
| 60.0               | 39.4              | 2.15  | 42.1              | 1.70  | 44.1              | 1.60  | 45.1              | 1.50  |                   |       |
| 57.0               | 42.1              | 1.80  | 44.9              | 1.65  | 46.7              | 1.55  | 47.4              | 1.45  |                   |       |
| 55.0               | 43.7              | 1.60  | 46.4              | 1.45  | 48.4              | 1.35  | 48.9              | 1.40  |                   |       |
| 52.0               | 46.2              | 1.25  | 48.6              | 1.20  | 50.2              | 1.15  |                   |       |                   |       |
| 50.0               | 47.7              | 1.05  | 50.0              | 1.00  | 51.5              | 1.00  |                   |       |                   |       |
| 47.0               | 49.8              | 0.75  | 52.0              | 0.75  | 53.3              | 0.75  |                   |       |                   |       |
| 45.0               | 51.1              | 0.60  | 53.2              | 0.55  | 54.4              | 0.55  |                   |       |                   |       |
| Min. boom angle(°) | 43                |       | 43                |       | 43                |       | 51                |       | 64                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |

**Specification SA2**

 Outriggers intermediately extended (6.0m) over side, with 25.8ton counterweight mounted to crane  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 7.5               | 2.20  | 13.5              | 2.20  | 18.5              | 2.20  | 22.0              | 1.80  | 23.9              | 1.45  |
| 80.0               | 13.1              | 2.20  | 18.5              | 2.20  | 23.1              | 2.10  | 26.0              | 1.70  | 27.5              | 1.45  |
| 77.0               | 17.6              | 2.20  | 22.6              | 2.20  | 26.6              | 2.00  | 29.3              | 1.65  | 30.5              | 1.40  |
| 75.0               | 20.5              | 2.20  | 25.2              | 2.20  | 28.9              | 1.90  | 31.3              | 1.60  | 32.3              | 1.40  |
| 72.0               | 24.7              | 2.20  | 29.1              | 2.20  | 32.3              | 1.80  | 34.3              | 1.55  | 35.1              | 1.40  |
| 70.0               | 27.5              | 2.20  | 31.7              | 2.20  | 34.5              | 1.75  | 36.3              | 1.55  | 36.9              | 1.35  |
| 68.0               | 30.0              | 2.20  | 33.9              | 2.10  | 36.5              | 1.70  | 38.2              | 1.55  | 38.6              | 1.30  |
| 67.0               | 31.3              | 2.20  | 34.9              | 2.05  | 37.5              | 1.70  | 39.2              | 1.55  |                   |       |
| 65.0               | 33.7              | 2.20  | 37.0              | 1.90  | 39.4              | 1.70  | 41.0              | 1.50  |                   |       |
| 62.0               | 36.8              | 1.90  | 40.1              | 1.70  | 42.2              | 1.60  | 43.5              | 1.50  |                   |       |
| 60.0               | 38.5              | 1.60  | 41.6              | 1.45  | 43.8              | 1.40  | 45.1              | 1.35  |                   |       |
| 57.0               | 41.0              | 1.25  | 43.9              | 1.15  | 46.0              | 1.10  | 46.9              | 1.10  |                   |       |
| 55.0               | 42.7              | 1.00  | 45.4              | 0.90  | 47.5              | 0.90  | 48.1              | 0.90  |                   |       |
| 53.0               | 44.2              | 0.75  | 46.8              | 0.70  | 48.8              | 0.70  |                   |       |                   |       |
| 52.0               | 45.0              | 0.65  | 47.6              | 0.60  |                   |       |                   |       |                   |       |
| Min. boom angle(°) | 51                |       | 51                |       | 51                |       | 52                |       | 64                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |

**Specification SA3**

 Outriggers intermediately extended (5.0m) over side, with 25.8ton counterweight mounted to crane  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°) | Offset 2°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|-------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                   | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                   | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0              | 7.5               | 2.20  | 13.5              | 2.20  | 18.5              | 2.20  | 22.0              | 1.80  | 23.9              | 1.45  |
| 80.0              | 13.1              | 2.20  | 18.5              | 2.20  | 23.1              | 2.10  | 26.0              | 1.70  | 27.5              | 1.45  |
| 77.0              | 17.6              | 2.20  | 22.6              | 2.20  | 26.6              | 2.00  | 29.3              | 1.65  | 30.5              | 1.40  |
| 75.0              | 20.5              | 2.20  | 25.2              | 2.20  | 28.9              | 1.90  | 31.3              | 1.60  | 32.3              | 1.40  |
| 72.0              | 24.7              | 2.20  | 29.1              | 2.20  | 32.3              | 1.80  | 34.3              | 1.55  | 35.1              | 1.40  |
| 70.0              | 27.5              | 2.20  | 31.7              | 2.20  | 34.5              | 1.75  | 36.3              | 1.55  | 36.9              | 1.35  |
| 68.0              | 30.0              | 2.20  | 33.9              | 2.10  | 36.5              | 1.70  | 38.2              | 1.55  | 38.6              | 1.30  |
| 67.0              | 31.3              | 2.20  | 34.9              | 1.90  | 37.5              | 1.70  | 39.2              | 1.55  |                   |       |
| 65.0              | 33.2              | 1.85  | 36.5              | 1.60  | 39.2              | 1.50  | 41.0              | 1.45  |                   |       |
| 62.0              | 35.8              | 1.40  | 39.1              | 1.20  | 41.6              | 1.15  | 43.0              | 1.10  |                   |       |
| 61.0              | 36.6              | 1.25  | 39.9              | 1.05  | 42.4              | 1.00  |                   |       |                   |       |
| 60.0              | 37.5              | 1.10  | 40.6              | 0.95  |                   |       |                   |       |                   |       |
| Min. boom angle°) | 59                |       | 59                |       | 59                |       | 59                |       | 64                |       |
| Standard hook     | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass         | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line     | 1                 |       |                   |       |                   |       |                   |       |                   |       |

**Specification SA4**

 Outriggers intermediately extended (4.2m) over side, with 25.8ton counterweight mounted to crane  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
|                    |                          |               |                          |               |                          |               |                          |               |                          |               |
| 84.0               | 7.5                      | 2.20          | 13.5                     | 2.20          | 18.5                     | 2.20          | 22.0                     | 1.80          | 23.9                     | 1.45          |
| 80.0               | 13.1                     | 2.20          | 18.5                     | 2.20          | 23.1                     | 2.10          | 26.0                     | 1.70          | 27.5                     | 1.45          |
| 77.0               | 17.6                     | 2.20          | 22.6                     | 2.20          | 26.6                     | 2.00          | 29.3                     | 1.65          | 30.5                     | 1.40          |
| 75.0               | 20.5                     | 2.20          | 25.2                     | 2.20          | 28.9                     | 1.90          | 31.3                     | 1.60          | 32.3                     | 1.40          |
| 72.0               | 24.7                     | 2.20          | 29.1                     | 2.20          | 32.3                     | 1.80          | 34.3                     | 1.55          | 35.1                     | 1.40          |
| 70.0               | 27.5                     | 2.20          | 31.3                     | 2.05          | 34.5                     | 1.75          | 36.3                     | 1.55          | 36.9                     | 1.35          |
| 69.0               | 28.8                     | 2.15          | 32.3                     | 1.85          | 35.3                     | 1.65          | 37.2                     | 1.55          | 37.8                     | 1.35          |
| 68.0               | 29.6                     | 1.95          | 33.2                     | 1.65          | 36.2                     | 1.50          | 38.0                     | 1.45          |                          |               |
| 67.0               | 30.5                     | 1.75          | 34.1                     | 1.50          | 37.0                     | 1.35          |                          |               |                          |               |
| 66.0               | 31.4                     | 1.60          | 35.0                     | 1.30          |                          |               |                          |               |                          |               |
| 65.0               | 32.4                     | 1.35          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 64                       |               | 65                       |               | 65                       |               | 65                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SA1

Outriggers fully extended (7.2m) 360° full range, with 25.8ton counterweight mounted to crane  
51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.9                      | 4.10          | 8.5                      | 4.10          | 10.9                     | 4.10          | 12.6                     | 4.10          | 13.7                     | 4.10          |
| 80.0               | 11.6                     | 4.10          | 13.3                     | 4.10          | 15.3                     | 4.10          | 16.9                     | 4.10          | 17.6                     | 4.10          |
| 77.0               | 15.6                     | 4.10          | 17.2                     | 4.10          | 19.0                     | 4.10          | 20.4                     | 4.10          | 21.0                     | 4.10          |
| 75.0               | 18.2                     | 4.10          | 19.6                     | 4.10          | 21.4                     | 4.10          | 22.6                     | 4.10          | 23.1                     | 4.10          |
| 72.0               | 21.8                     | 4.10          | 23.3                     | 4.10          | 24.8                     | 4.00          | 25.8                     | 3.85          | 26.0                     | 3.80          |
| 70.0               | 24.3                     | 4.10          | 25.4                     | 4.05          | 26.7                     | 3.80          | 27.6                     | 3.60          | 27.8                     | 3.55          |
| 69.0               | 25.4                     | 4.10          | 26.5                     | 3.95          | 27.7                     | 3.65          | 28.5                     | 3.45          | 28.6                     | 3.45          |
| 67.0               | 27.5                     | 3.80          | 28.5                     | 3.55          | 29.6                     | 3.30          | 30.3                     | 3.20          |                          |               |
| 65.0               | 29.3                     | 3.40          | 30.4                     | 3.20          | 31.4                     | 3.00          | 32.0                     | 2.95          |                          |               |
| 62.0               | 32.0                     | 2.80          | 33.0                     | 2.70          | 33.9                     | 2.55          | 34.4                     | 2.50          |                          |               |
| 60.0               | 33.8                     | 2.45          | 34.7                     | 2.40          | 35.5                     | 2.30          | 36.0                     | 2.25          |                          |               |
| 57.0               | 36.2                     | 2.00          | 37.1                     | 1.95          | 37.9                     | 1.90          | 38.2                     | 1.90          |                          |               |
| 55.0               | 37.7                     | 1.70          | 38.6                     | 1.60          | 39.4                     | 1.60          | 39.6                     | 1.60          |                          |               |
| 52.0               | 39.8                     | 1.30          | 40.6                     | 1.30          | 41.3                     | 1.25          |                          |               |                          |               |
| 50.0               | 41.2                     | 1.05          | 42.0                     | 1.05          | 42.6                     | 1.05          |                          |               |                          |               |
| 47.0               | 43.2                     | 0.70          | 43.9                     | 0.70          | 44.4                     | 0.70          |                          |               |                          |               |
| 46.0               | 43.8                     | 0.55          | 44.6                     | 0.55          | 45.0                     | 0.55          |                          |               |                          |               |
| Min. boom angle(°) | 44                       |               | 44                       |               | 44                       |               | 51                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SA2

Outriggers intermediately extended (6.0m) over side, with 25.8ton counterweight mounted to crane  
51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.9                      | 4.10          | 8.5                      | 4.10          | 10.9                     | 4.10          | 12.6                     | 4.10          | 13.7                     | 4.10          |
| 80.0               | 11.6                     | 4.10          | 13.3                     | 4.10          | 15.3                     | 4.10          | 16.9                     | 4.10          | 17.6                     | 4.10          |
| 77.0               | 15.6                     | 4.10          | 17.2                     | 4.10          | 19.0                     | 4.10          | 20.4                     | 4.10          | 21.0                     | 4.10          |
| 75.0               | 18.2                     | 4.10          | 19.6                     | 4.10          | 21.4                     | 4.10          | 22.6                     | 4.10          | 23.1                     | 4.10          |
| 72.0               | 21.8                     | 4.10          | 23.3                     | 4.10          | 24.8                     | 4.00          | 25.8                     | 3.85          | 26.0                     | 3.80          |
| 70.0               | 24.3                     | 4.10          | 25.4                     | 4.05          | 26.7                     | 3.80          | 27.6                     | 3.60          | 27.8                     | 3.55          |
| 69.0               | 25.4                     | 4.05          | 26.5                     | 3.80          | 27.7                     | 3.65          | 28.5                     | 3.45          | 28.6                     | 3.45          |
| 67.0               | 27.1                     | 3.45          | 28.2                     | 3.25          | 29.6                     | 3.00          | 30.3                     | 2.95          |                          |               |
| 65.0               | 28.8                     | 2.90          | 29.9                     | 2.70          | 31.0                     | 2.60          | 31.7                     | 2.55          |                          |               |
| 62.0               | 31.4                     | 2.20          | 32.3                     | 2.10          | 33.4                     | 2.00          | 34.0                     | 2.00          |                          |               |
| 60.0               | 33.0                     | 1.80          | 33.9                     | 1.70          | 35.0                     | 1.65          | 35.4                     | 1.65          |                          |               |
| 57.0               | 35.4                     | 1.30          | 36.2                     | 1.30          | 37.2                     | 1.25          | 37.6                     | 1.20          |                          |               |
| 56.0               | 36.1                     | 1.15          | 36.9                     | 1.15          | 37.9                     | 1.10          | 38.3                     | 1.10          |                          |               |
| 55.0               | 36.8                     | 0.95          | 37.6                     | 0.95          | 38.7                     | 0.95          |                          |               |                          |               |
| 54.0               | 37.6                     | 0.80          | 38.3                     | 0.80          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 53                       |               | 53                       |               | 53                       |               | 53                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SA3

Outriggers intermediately extended (5.0m) over side, with 25.8ton counterweight mounted to crane  
51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.9                      | 4.10          | 8.5                      | 4.10          | 10.9                     | 4.10          | 12.6                     | 4.10          | 13.7                     | 4.10          |
| 80.0               | 11.6                     | 4.10          | 13.3                     | 4.10          | 15.3                     | 4.10          | 16.9                     | 4.10          | 17.6                     | 4.10          |
| 77.0               | 15.6                     | 4.10          | 17.2                     | 4.10          | 19.0                     | 4.10          | 20.4                     | 4.10          | 21.0                     | 4.10          |
| 75.0               | 18.2                     | 4.10          | 19.6                     | 4.10          | 21.4                     | 4.10          | 22.6                     | 4.10          | 23.1                     | 4.10          |
| 72.0               | 21.8                     | 4.10          | 23.3                     | 4.00          | 24.6                     | 3.75          | 25.5                     | 3.60          | 26.0                     | 3.50          |
| 70.0               | 23.8                     | 3.55          | 24.9                     | 3.35          | 26.3                     | 3.15          | 27.1                     | 3.00          | 27.3                     | 3.00          |
| 69.0               | 24.7                     | 3.20          | 25.7                     | 3.10          | 27.1                     | 2.85          | 27.9                     | 2.75          | 28.1                     | 2.75          |
| 67.0               | 26.4                     | 2.65          | 27.4                     | 2.55          | 28.8                     | 2.35          | 29.5                     | 2.30          |                          |               |
| 65.0               | 28.1                     | 2.15          | 29.1                     | 2.05          | 30.3                     | 1.95          | 31.1                     | 1.85          |                          |               |
| 63.0               | 29.8                     | 1.75          | 30.8                     | 1.65          | 31.9                     | 1.55          | 32.6                     | 1.50          |                          |               |
| 62.0               | 30.7                     | 1.50          | 31.6                     | 1.45          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 61                       |               | 61                       |               | 61                       |               | 61                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SA4

Outriggers intermediately extended (4.2m) over side, with 25.8ton counterweight mounted to crane  
51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.9                      | 4.10          | 8.5                      | 4.10          | 10.9                     | 4.10          | 12.6                     | 4.10          | 13.7                     | 4.10          |
| 80.0               | 11.6                     | 4.10          | 13.3                     | 4.10          | 15.3                     | 4.10          | 16.9                     | 4.10          | 17.6                     | 4.10          |
| 77.0               | 15.6                     | 4.10          | 17.2                     | 4.10          | 19.0                     | 4.10          | 20.4                     | 4.10          | 21.0                     | 4.10          |
| 75.0               | 18.2                     | 4.10          | 19.6                     | 4.10          | 21.4                     | 4.10          | 22.5                     | 3.95          | 22.9                     | 3.90          |
| 72.0               | 21.5                     | 3.60          | 22.6                     | 3.35          | 24.0                     | 3.10          | 25.0                     | 2.95          | 25.3                     | 2.95          |
| 70.0               | 23.2                     | 2.90          | 24.3                     | 2.70          | 25.7                     | 2.50          | 26.6                     | 2.40          | 26.9                     | 2.40          |
| 69.0               | 24.1                     | 2.60          | 25.2                     | 2.40          | 26.6                     | 2.20          | 27.4                     | 2.15          | 27.6                     | 2.15          |
| 67.0               | 25.8                     | 2.05          | 26.8                     | 1.95          | 28.2                     | 1.80          | 29.1                     | 1.70          |                          |               |
| 66.0               | 26.6                     | 1.80          | 27.7                     | 1.70          | 29.0                     | 1.60          | 29.9                     | 1.50          |                          |               |
| Min. boom angle(°) | 65                       |               | 65                       |               | 65                       |               | 65                       |               | 66                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SA1**

 Outriggers fully extended (7.2m) 360° full range, with 25.8ton counterweight mounted to crane  
 51.3m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.3                      | 3.00          | 11.3                     | 3.00          | 15.2                     | 3.00          | 17.9                     | 3.00          | 19.2                     | 2.40          |
| 80.0               | 12.5                     | 3.00          | 16.2                     | 3.00          | 19.9                     | 3.00          | 22.2                     | 2.85          | 23.0                     | 2.35          |
| 77.0               | 16.9                     | 3.00          | 20.4                     | 3.00          | 23.8                     | 3.00          | 25.6                     | 2.75          | 26.2                     | 2.35          |
| 75.0               | 19.7                     | 3.00          | 23.1                     | 3.00          | 26.3                     | 3.00          | 27.8                     | 2.70          | 28.3                     | 2.30          |
| 72.0               | 23.8                     | 3.00          | 27.0                     | 3.00          | 29.8                     | 2.90          | 31.0                     | 2.60          | 31.3                     | 2.30          |
| 70.0               | 26.5                     | 3.00          | 29.6                     | 3.00          | 31.8                     | 2.70          | 33.0                     | 2.45          | 33.2                     | 2.30          |
| 69.0               | 27.9                     | 3.00          | 30.7                     | 2.90          | 32.7                     | 2.60          | 34.0                     | 2.40          | 34.2                     | 2.25          |
| 67.0               | 30.4                     | 2.95          | 32.8                     | 2.75          | 34.7                     | 2.40          | 35.8                     | 2.25          |                          |               |
| 65.0               | 32.5                     | 2.85          | 34.8                     | 2.55          | 36.5                     | 2.25          | 37.7                     | 2.10          |                          |               |
| 62.0               | 35.6                     | 2.40          | 37.8                     | 2.20          | 39.3                     | 2.00          | 40.2                     | 1.90          |                          |               |
| 60.0               | 37.6                     | 2.10          | 39.6                     | 1.95          | 41.2                     | 1.80          | 41.8                     | 1.75          |                          |               |
| 57.0               | 40.3                     | 1.65          | 42.2                     | 1.60          | 43.6                     | 1.50          | 44.0                     | 1.45          |                          |               |
| 55.0               | 41.9                     | 1.40          | 43.7                     | 1.35          | 45.1                     | 1.30          | 45.4                     | 1.35          |                          |               |
| 52.0               | 44.2                     | 1.05          | 45.9                     | 1.00          | 47.1                     | 1.00          |                          |               |                          |               |
| 50.0               | 45.6                     | 0.80          | 47.3                     | 0.80          | 48.4                     | 0.80          |                          |               |                          |               |
| 47.0               | 47.7                     | 0.50          | 49.3                     | 0.50          | 50.3                     | 0.50          |                          |               |                          |               |
| Min. boom angle(°) | 45                       |               | 45                       |               | 45                       |               | 51                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SA2**

 Outriggers intermediately extended (6.0m) over side, with 25.8ton counterweight mounted to crane  
 51.3m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.3                      | 3.00          | 11.3                     | 3.00          | 15.2                     | 3.00          | 17.9                     | 3.00          | 19.2                     | 2.40          |
| 80.0               | 12.5                     | 3.00          | 16.2                     | 3.00          | 19.9                     | 3.00          | 22.2                     | 2.85          | 23.0                     | 2.35          |
| 77.0               | 16.9                     | 3.00          | 20.4                     | 3.00          | 23.8                     | 3.00          | 25.6                     | 2.75          | 26.2                     | 2.35          |
| 75.0               | 19.7                     | 3.00          | 23.1                     | 3.00          | 26.3                     | 3.00          | 27.8                     | 2.70          | 28.3                     | 2.30          |
| 72.0               | 23.8                     | 3.00          | 27.0                     | 3.00          | 29.8                     | 2.90          | 31.0                     | 2.60          | 31.3                     | 2.30          |
| 70.0               | 26.5                     | 3.00          | 29.6                     | 3.00          | 31.8                     | 2.70          | 33.0                     | 2.45          | 33.2                     | 2.30          |
| 69.0               | 27.9                     | 3.00          | 30.7                     | 2.90          | 32.7                     | 2.60          | 34.0                     | 2.40          | 34.2                     | 2.25          |
| 67.0               | 30.4                     | 2.85          | 32.8                     | 2.55          | 34.7                     | 2.40          | 35.8                     | 2.25          |                          |               |
| 65.0               | 32.1                     | 2.45          | 34.4                     | 2.20          | 36.5                     | 2.05          | 37.7                     | 1.95          |                          |               |
| 62.0               | 34.8                     | 1.80          | 37.0                     | 1.65          | 38.7                     | 1.60          | 39.8                     | 1.55          |                          |               |
| 60.0               | 36.7                     | 1.50          | 38.7                     | 1.40          | 40.4                     | 1.30          | 41.3                     | 1.30          |                          |               |
| 58.0               | 38.4                     | 1.20          | 40.4                     | 1.10          | 42.1                     | 1.05          | 42.7                     | 1.05          |                          |               |
| 57.0               | 39.3                     | 1.05          | 41.2                     | 1.00          | 42.8                     | 0.90          |                          |               |                          |               |
| Min. boom angle(°) | 55                       |               | 55                       |               | 55                       |               | 55                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SA3**

 Outriggers intermediately extended (5.0m) over side, with 25.8ton counterweight mounted to crane  
 51.3m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.3                      | 3.00          | 11.3                     | 3.00          | 15.2                     | 3.00          | 17.9                     | 3.00          | 19.2                     | 2.40          |
| 80.0               | 12.5                     | 3.00          | 16.2                     | 3.00          | 19.9                     | 3.00          | 22.2                     | 2.85          | 23.0                     | 2.35          |
| 77.0               | 16.9                     | 3.00          | 20.4                     | 3.00          | 23.8                     | 3.00          | 25.6                     | 2.75          | 26.2                     | 2.35          |
| 75.0               | 19.7                     | 3.00          | 23.1                     | 3.00          | 26.3                     | 3.00          | 27.8                     | 2.70          | 28.3                     | 2.30          |
| 72.0               | 23.8                     | 3.00          | 27.0                     | 3.00          | 29.8                     | 2.85          | 31.0                     | 2.60          | 31.3                     | 2.30          |
| 70.0               | 26.5                     | 3.00          | 29.1                     | 2.65          | 31.4                     | 2.40          | 32.8                     | 2.30          | 33.2                     | 2.30          |
| 69.0               | 27.5                     | 2.70          | 30.0                     | 2.40          | 32.2                     | 2.20          | 33.7                     | 2.10          | 34.2                     | 2.10          |
| 67.0               | 29.4                     | 2.20          | 31.8                     | 2.00          | 33.9                     | 1.85          | 35.3                     | 1.75          |                          |               |
| 65.0               | 31.2                     | 1.80          | 33.6                     | 1.65          | 35.6                     | 1.50          | 36.9                     | 1.45          |                          |               |
| 64.0               | 32.0                     | 1.65          | 34.5                     | 1.45          | 36.4                     | 1.35          | 37.7                     | 1.30          |                          |               |
| 63.0               | 32.9                     | 1.45          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 61                       |               | 62                       |               | 62                       |               | 62                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SA4**

 Outriggers intermediately extended (4.2m) over side, with 25.8ton counterweight mounted to crane  
 51.3m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.3                      | 3.00          | 11.3                     | 3.00          | 15.2                     | 3.00          | 17.9                     | 3.00          | 19.2                     | 2.40          |
| 80.0               | 12.5                     | 3.00          | 16.2                     | 3.00          | 19.9                     | 3.00          | 22.2                     | 2.85          | 23.0                     | 2.35          |
| 77.0               | 16.9                     | 3.00          | 20.4                     | 3.00          | 23.8                     | 3.00          | 25.6                     | 2.75          | 26.2                     | 2.35          |
| 75.0               | 19.7                     | 3.00          | 23.1                     | 3.00          | 26.3                     | 3.00          | 27.8                     | 2.70          | 28.3                     | 2.30          |
| 72.0               | 23.8                     | 3.00          | 26.6                     | 2.65          | 29.0                     | 2.35          | 30.6                     | 2.25          | 31.3                     | 2.20          |
| 70.0               | 25.8                     | 2.45          | 28.4                     | 2.15          | 30.7                     | 1.95          | 32.3                     | 1.80          | 32.8                     | 1.80          |
| 69.0               | 26.8                     | 2.15          | 29.3                     | 1.90          | 31.6                     | 1.75          | 33.1                     | 1.65          | 33.5                     | 1.65          |
| 68.0               | 27.7                     | 1.95          | 30.2                     | 1.70          | 32.4                     | 1.60          | 33.9                     | 1.45          |                          |               |
| Min. boom angle(°) | 66                       |               | 66                       |               | 66                       |               | 66                       |               | 66                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SA1

Outriggers fully extended (7.2m) 360° full range, with 25.8ton counterweight mounted to crane  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 8.6                      | 2.10          | 14.2                     | 2.10          | 19.6                     | 2.10          | 22.9                     | 1.75          | 24.8                     | 1.45          |
| 80.0               | 14.2                     | 2.10          | 19.7                     | 2.10          | 24.5                     | 2.05          | 27.2                     | 1.70          | 28.7                     | 1.40          |
| 77.0               | 19.0                     | 2.10          | 24.3                     | 2.10          | 28.5                     | 1.95          | 30.8                     | 1.60          | 31.9                     | 1.40          |
| 75.0               | 22.2                     | 2.10          | 27.2                     | 2.10          | 30.9                     | 1.85          | 33.1                     | 1.60          | 33.9                     | 1.40          |
| 72.0               | 26.8                     | 2.10          | 31.4                     | 2.10          | 34.6                     | 1.75          | 36.4                     | 1.55          | 36.9                     | 1.40          |
| 70.0               | 29.8                     | 2.10          | 34.0                     | 2.05          | 36.8                     | 1.75          | 38.5                     | 1.55          | 38.8                     | 1.40          |
| 69.0               | 31.2                     | 2.10          | 35.2                     | 2.05          | 37.9                     | 1.75          | 39.5                     | 1.55          | 39.7                     | 1.40          |
| 67.0               | 33.8                     | 2.10          | 37.5                     | 1.95          | 40.0                     | 1.65          | 41.5                     | 1.50          |                          |               |
| 65.0               | 36.5                     | 2.10          | 39.7                     | 1.85          | 42.2                     | 1.60          | 43.4                     | 1.50          |                          |               |
| 62.0               | 39.8                     | 2.00          | 43.0                     | 1.70          | 45.1                     | 1.45          | 46.1                     | 1.40          |                          |               |
| 60.0               | 41.7                     | 1.80          | 44.9                     | 1.55          | 46.8                     | 1.40          | 47.6                     | 1.35          |                          |               |
| 57.0               | 44.4                     | 1.40          | 47.4                     | 1.30          | 49.3                     | 1.25          | 49.9                     | 1.20          |                          |               |
| 55.0               | 46.2                     | 1.15          | 49.0                     | 1.05          | 50.8                     | 1.05          | 51.4                     | 1.05          |                          |               |
| 52.0               | 48.6                     | 0.80          | 51.2                     | 0.75          | 53.0                     | 0.75          |                          |               |                          |               |
| 50.0               | 50.2                     | 0.60          | 52.6                     | 0.55          | 54.4                     | 0.55          |                          |               |                          |               |
| 49.0               | 51.0                     | 0.50          | 53.3                     | 0.50          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 47                       |               | 47                       |               | 48                       |               | 51                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SA2

Outriggers intermediately extended (6.0m) over side, with 25.8ton counterweight mounted to crane  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 8.6                      | 2.10          | 14.2                     | 2.10          | 19.6                     | 2.10          | 22.9                     | 1.75          | 24.8                     | 1.45          |
| 80.0               | 14.2                     | 2.10          | 19.7                     | 2.10          | 24.5                     | 2.05          | 27.2                     | 1.70          | 28.7                     | 1.40          |
| 77.0               | 19.0                     | 2.10          | 24.3                     | 2.10          | 28.5                     | 1.95          | 30.8                     | 1.60          | 31.9                     | 1.40          |
| 75.0               | 22.2                     | 2.10          | 27.2                     | 2.10          | 30.9                     | 1.85          | 33.1                     | 1.60          | 33.9                     | 1.40          |
| 72.0               | 26.8                     | 2.10          | 31.4                     | 2.10          | 34.6                     | 1.75          | 36.4                     | 1.55          | 36.9                     | 1.40          |
| 70.0               | 29.8                     | 2.10          | 34.0                     | 2.05          | 36.8                     | 1.75          | 38.5                     | 1.55          | 38.8                     | 1.40          |
| 69.0               | 31.2                     | 2.10          | 35.2                     | 2.05          | 37.9                     | 1.75          | 39.5                     | 1.55          | 39.7                     | 1.40          |
| 67.0               | 33.8                     | 2.10          | 37.5                     | 1.95          | 40.0                     | 1.65          | 41.5                     | 1.50          |                          |               |
| 65.0               | 36.5                     | 1.90          | 39.7                     | 1.65          | 42.2                     | 1.60          | 43.4                     | 1.50          |                          |               |
| 62.0               | 38.8                     | 1.50          | 42.1                     | 1.30          | 44.6                     | 1.25          | 45.8                     | 1.25          |                          |               |
| 60.0               | 40.5                     | 1.25          | 43.7                     | 1.10          | 46.1                     | 1.05          | 47.2                     | 1.05          |                          |               |
| 59.0               | 41.4                     | 1.10          | 44.5                     | 0.95          | 46.9                     | 0.90          | 47.9                     | 0.90          |                          |               |
| 58.0               | 42.2                     | 0.95          | 45.2                     | 0.85          | 47.6                     | 0.80          |                          |               |                          |               |
| Min. boom angle(°) | 56                       |               | 56                       |               | 56                       |               | 56                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SA3

Outriggers intermediately extended (5.0m) over side, with 25.8ton counterweight mounted to crane  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 8.6                      | 2.10          | 14.2                     | 2.10          | 19.6                     | 2.10          | 22.9                     | 1.75          | 24.8                     | 1.45          |
| 80.0               | 14.2                     | 2.10          | 19.7                     | 2.10          | 24.5                     | 2.05          | 27.2                     | 1.70          | 28.7                     | 1.40          |
| 77.0               | 19.0                     | 2.10          | 24.3                     | 2.10          | 28.5                     | 1.95          | 30.8                     | 1.60          | 31.9                     | 1.40          |
| 75.0               | 22.2                     | 2.10          | 27.2                     | 2.10          | 30.9                     | 1.85          | 33.1                     | 1.60          | 33.9                     | 1.40          |
| 72.0               | 26.8                     | 2.10          | 31.4                     | 2.10          | 34.6                     | 1.75          | 36.4                     | 1.55          | 36.9                     | 1.40          |
| 70.0               | 29.8                     | 2.10          | 34.0                     | 2.05          | 36.8                     | 1.75          | 38.5                     | 1.55          | 38.8                     | 1.40          |
| 69.0               | 31.2                     | 2.10          | 34.8                     | 1.85          | 37.9                     | 1.70          | 39.5                     | 1.55          | 39.7                     | 1.40          |
| 67.0               | 33.1                     | 1.80          | 36.6                     | 1.55          | 39.5                     | 1.45          | 41.3                     | 1.35          |                          |               |
| 66.0               | 34.1                     | 1.60          | 37.4                     | 1.45          | 40.4                     | 1.30          | 42.1                     | 1.25          |                          |               |
| 65.0               | 35.0                     | 1.45          | 38.3                     | 1.25          | 41.2                     | 1.15          |                          |               |                          |               |
| 64.0               | 35.8                     | 1.30          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 62                       |               | 63                       |               | 63                       |               | 63                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SA4

Outriggers intermediately extended (4.2m) over side, with 25.8ton counterweight mounted to crane  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 8.6                      | 2.10          | 14.2                     | 2.10          | 19.6                     | 2.10          | 22.9                     | 1.75          | 24.8                     | 1.45          |
| 80.0               | 14.2                     | 2.10          | 19.7                     | 2.10          | 24.5                     | 2.05          | 27.2                     | 1.70          | 28.7                     | 1.40          |
| 77.0               | 19.0                     | 2.10          | 24.3                     | 2.10          | 28.5                     | 1.95          | 30.8                     | 1.60          | 31.9                     | 1.40          |
| 75.0               | 22.2                     | 2.10          | 27.2                     | 2.10          | 30.9                     | 1.85          | 33.1                     | 1.60          | 33.9                     | 1.40          |
| 72.0               | 26.8                     | 2.10          | 31.4                     | 1.95          | 34.6                     | 1.75          | 36.4                     | 1.55          | 36.9                     | 1.40          |
| 71.0               | 28.3                     | 2.10          | 32.1                     | 1.80          | 35.3                     | 1.60          | 37.5                     | 1.50          |                          |               |
| 70.0               | 29.3                     | 1.95          | 33.0                     | 1.65          | 36.2                     | 1.45          |                          |               |                          |               |
| 69.0               | 30.4                     | 1.70          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 67                       |               | 68                       |               | 68                       |               | 68                       |               | 68                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SB1**

 Outriggers fully extended (7.2m) 360° full range, with 21.8ton counterweight mounted to crane  
 33.2m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 4.6                      | 5.60          | 5.9                      | 5.60          | 7.7                      | 5.60          | 9.3                      | 5.60          | 10.2                     | 5.05          |
| 80.0               | 7.1                      | 5.60          | 8.5                      | 5.60          | 10.3                     | 5.60          | 11.7                     | 5.60          | 12.5                     | 4.85          |
| 77.0               | 9.5                      | 5.60          | 10.8                     | 5.60          | 12.6                     | 5.60          | 13.8                     | 5.60          | 14.4                     | 4.80          |
| 75.0               | 11.0                     | 5.60          | 12.3                     | 5.60          | 14.0                     | 5.60          | 15.2                     | 5.55          | 15.7                     | 4.75          |
| 72.0               | 13.3                     | 5.60          | 14.5                     | 5.60          | 16.1                     | 5.60          | 17.1                     | 5.45          | 17.5                     | 4.70          |
| 70.0               | 14.8                     | 5.60          | 15.9                     | 5.60          | 17.4                     | 5.60          | 18.4                     | 5.35          | 18.7                     | 4.70          |
| 67.0               | 16.9                     | 5.60          | 18.0                     | 5.60          | 19.4                     | 5.60          | 20.2                     | 5.25          | 20.5                     | 4.70          |
| 65.0               | 18.3                     | 5.60          | 19.4                     | 5.60          | 20.7                     | 5.60          | 21.5                     | 5.20          | 21.6                     | 4.70          |
| 64.0               | 19.0                     | 5.60          | 20.1                     | 5.60          | 21.4                     | 5.60          | 22.0                     | 5.15          | 22.2                     | 4.65          |
| 62.0               | 20.4                     | 5.60          | 21.4                     | 5.60          | 22.6                     | 5.55          | 23.1                     | 5.10          |                          |               |
| 60.0               | 21.7                     | 5.60          | 22.7                     | 5.60          | 23.8                     | 5.45          | 24.2                     | 5.05          |                          |               |
| 57.0               | 23.6                     | 5.40          | 24.5                     | 5.15          | 25.5                     | 4.85          | 25.8                     | 4.85          |                          |               |
| 55.0               | 24.6                     | 4.90          | 25.5                     | 4.65          | 26.4                     | 4.50          | 26.8                     | 4.40          |                          |               |
| 52.0               | 26.2                     | 4.20          | 27.0                     | 4.05          | 27.8                     | 3.90          | 28.0                     | 3.90          |                          |               |
| 51.0               | 26.7                     | 4.00          | 27.5                     | 3.85          | 28.3                     | 3.70          | 28.4                     | 3.75          |                          |               |
| 50.0               | 27.2                     | 3.80          | 28.0                     | 3.65          | 28.8                     | 3.55          |                          |               |                          |               |
| 47.0               | 28.7                     | 3.30          | 29.4                     | 3.20          | 30.1                     | 3.10          |                          |               |                          |               |
| 45.0               | 29.7                     | 3.00          | 30.4                     | 2.90          | 31.0                     | 2.80          |                          |               |                          |               |
| 42.0               | 31.1                     | 2.55          | 31.7                     | 2.55          | 32.2                     | 2.50          |                          |               |                          |               |
| 40.0               | 32.0                     | 2.35          | 32.5                     | 2.30          | 32.9                     | 2.30          |                          |               |                          |               |
| 37.0               | 33.2                     | 2.10          | 33.7                     | 2.05          | 34.0                     | 2.00          |                          |               |                          |               |
| 35.0               | 34.0                     | 1.90          | 34.4                     | 1.85          |                          |               |                          |               |                          |               |
| 30.0               | 35.7                     | 1.50          | 36.1                     | 1.50          |                          |               |                          |               |                          |               |
| 25.0               | 37.2                     | 1.25          | 37.4                     | 1.25          |                          |               |                          |               |                          |               |
| 22.0               | 37.9                     | 1.15          | 38.1                     | 1.10          |                          |               |                          |               |                          |               |
| 20.0               | 38.4                     | 1.05          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 18                       |               | 20                       |               | 35                       |               | 49                       |               | 62                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SB2**

 Outriggers intermediately extended (6.0m) over side, with 21.8ton counterweight mounted to crane  
 33.2m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 4.6                      | 5.60          | 5.9                      | 5.60          | 7.7                      | 5.60          | 9.3                      | 5.60          | 10.2                     | 5.05          |
| 80.0               | 7.1                      | 5.60          | 8.5                      | 5.60          | 10.3                     | 5.60          | 11.7                     | 5.60          | 12.5                     | 4.85          |
| 77.0               | 9.5                      | 5.60          | 10.8                     | 5.60          | 12.6                     | 5.60          | 13.8                     | 5.60          | 14.4                     | 4.80          |
| 75.0               | 11.0                     | 5.60          | 12.3                     | 5.60          | 14.0                     | 5.60          | 15.2                     | 5.55          | 15.7                     | 4.75          |
| 72.0               | 13.3                     | 5.60          | 14.5                     | 5.60          | 16.1                     | 5.60          | 17.1                     | 5.45          | 17.5                     | 4.70          |
| 70.0               | 14.8                     | 5.60          | 15.9                     | 5.60          | 17.4                     | 5.60          | 18.4                     | 5.35          | 18.7                     | 4.70          |
| 67.0               | 16.9                     | 5.60          | 18.0                     | 5.60          | 19.4                     | 5.60          | 20.2                     | 5.25          | 20.5                     | 4.70          |
| 65.0               | 18.3                     | 5.60          | 19.4                     | 5.60          | 20.7                     | 5.60          | 21.5                     | 5.20          | 21.6                     | 4.70          |
| 64.0               | 19.0                     | 5.60          | 20.1                     | 5.60          | 21.4                     | 5.60          | 22.0                     | 5.15          | 22.2                     | 4.65          |
| 62.0               | 20.4                     | 5.60          | 21.4                     | 5.25          | 22.4                     | 5.00          | 23.1                     | 4.85          |                          |               |
| 60.0               | 21.7                     | 4.85          | 22.4                     | 4.75          | 23.5                     | 4.45          | 24.1                     | 4.35          |                          |               |
| 57.0               | 23.2                     | 4.15          | 24.1                     | 3.95          | 25.1                     | 3.75          | 25.5                     | 3.70          |                          |               |
| 55.0               | 24.3                     | 3.70          | 25.2                     | 3.50          | 26.1                     | 3.35          | 26.5                     | 3.30          |                          |               |
| 52.0               | 25.9                     | 3.10          | 26.7                     | 2.95          | 27.6                     | 2.85          | 27.8                     | 2.85          |                          |               |
| 51.0               | 26.4                     | 2.95          | 27.2                     | 2.80          | 28.1                     | 2.70          | 28.2                     | 2.70          |                          |               |
| 50.0               | 26.9                     | 2.80          | 27.7                     | 2.65          | 28.5                     | 2.55          |                          |               |                          |               |
| 47.0               | 28.4                     | 2.35          | 29.2                     | 2.20          | 29.9                     | 2.15          |                          |               |                          |               |
| 45.0               | 29.4                     | 2.05          | 30.1                     | 2.00          | 30.7                     | 1.95          |                          |               |                          |               |
| 42.0               | 30.8                     | 1.70          | 31.5                     | 1.65          | 32.0                     | 1.60          |                          |               |                          |               |
| 40.0               | 31.7                     | 1.50          | 32.3                     | 1.45          | 32.7                     | 1.45          |                          |               |                          |               |
| 37.0               | 33.0                     | 1.25          | 33.5                     | 1.20          | 33.8                     | 1.20          |                          |               |                          |               |
| 35.0               | 33.8                     | 1.05          | 34.3                     | 1.05          |                          |               |                          |               |                          |               |
| 30.0               | 35.5                     | 0.65          | 35.9                     | 0.65          |                          |               |                          |               |                          |               |
| 27.0               | 36.4                     | 0.50          | 36.8                     | 0.50          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 26                       |               | 26                       |               | 35                       |               | 49                       |               | 62                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SB3**

 Outriggers intermediately extended (5.0m) over side, with 21.8ton counterweight mounted to crane  
 33.2m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 4.6                      | 5.60          | 5.9                      | 5.60          | 7.7                      | 5.60          | 9.3                      | 5.60          | 10.2                     | 5.05          |
| 80.0               | 7.1                      | 5.60          | 8.5                      | 5.60          | 10.3                     | 5.60          | 11.7                     | 5.60          | 12.5                     | 4.85          |
| 77.0               | 9.5                      | 5.60          | 10.8                     | 5.60          | 12.6                     | 5.60          | 13.8                     | 5.60          | 14.4                     | 4.80          |
| 75.0               | 11.0                     | 5.60          | 12.3                     | 5.60          | 14.0                     | 5.60          | 15.2                     | 5.55          | 15.7                     | 4.75          |
| 72.0               | 13.3                     | 5.60          | 14.5                     | 5.60          | 16.1                     | 5.60          | 17.1                     | 5.45          | 17.5                     | 4.70          |
| 70.0               | 14.8                     | 5.60          | 15.9                     | 5.60          | 17.4                     | 5.60          | 18.4                     | 5.35          | 18.7                     | 4.70          |
| 67.0               | 16.9                     | 5.60          | 18.0                     | 5.60          | 19.4                     | 5.40          | 20.2                     | 5.20          | 20.5                     | 4.70          |
| 65.0               | 18.3                     | 5.50          | 19.2                     | 5.20          | 20.5                     | 4.80          | 21.3                     | 4.60          | 21.6                     | 4.50          |
| 64.0               | 19.0                     | 5.05          | 19.8                     | 4.85          | 21.1                     | 4.50          | 21.8                     | 4.30          | 22.1                     | 4.25          |
| 62.0               | 19.8                     | 4.60          | 21.0                     | 4.25          | 22.2                     | 3.95          | 22.9                     | 3.80          |                          |               |
| 60.0               | 21.0                     | 4.00          | 22.2                     | 3.70          | 23.3                     | 3.45          | 23.9                     | 3.35          |                          |               |
| 57.0               | 22.9                     | 3.15          | 23.9                     | 3.00          | 24.8                     | 2.90          | 25.4                     | 2.80          |                          |               |
| 55.0               | 24.0                     | 2.75          | 25.0                     | 2.60          | 25.9                     | 2.50          | 26.3                     | 2.45          |                          |               |
| 52.0               | 25.6                     | 2.20          | 26.5                     | 2.15          | 27.4                     | 2.05          | 27.7                     | 2.00          |                          |               |
| 51.0               | 26.1                     | 2.05          | 27.0                     | 2.00          | 27.9                     | 1.90          | 28.1                     | 1.90          |                          |               |
| 50.0               | 26.7                     | 1.90          | 27.5                     | 1.80          | 28.4                     | 1.75          |                          |               |                          |               |
| 47.0               | 28.2                     | 1.50          | 29.0                     | 1.45          | 29.7                     | 1.40          |                          |               |                          |               |
| 45.0               | 29.2                     | 1.25          | 29.9                     | 1.25          | 30.6                     | 1.20          |                          |               |                          |               |
| 42.0               | 30.6                     | 0.85          | 31.3                     | 0.85          | 31.8                     | 0.85          |                          |               |                          |               |
| 40.0               | 31.5                     | 0.65          | 32.1                     | 0.65          | 32.6                     | 0.65          |                          |               |                          |               |
| 39.0               | 31.9                     | 0.55          | 32.6                     | 0.55          | 32.9                     | 0.55          |                          |               |                          |               |
| Min. boom angle(°) | 38                       |               | 38                       |               | 38                       |               | 49                       |               | 62                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SB4**

 Outriggers intermediately extended (4.2m) over side, with 21.8ton counterweight mounted to crane  
 33.2m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 4.6                      | 5.60          | 5.9                      | 5.60          | 7.7                      | 5.60          | 9.3                      | 5.60          | 10.2                     | 5.05          |
| 80.0               | 7.1                      | 5.60          | 8.5                      | 5.60          | 10.3                     | 5.60          | 11.7                     | 5.60          | 12.5                     | 4.85          |
| 77.0               | 9.5                      | 5.60          | 10.8                     | 5.60          | 12.6                     | 5.60          | 13.8                     | 5.60          | 14.4                     | 4.80          |
| 75.0               | 11.0                     | 5.60          | 12.3                     | 5.60          | 14.0                     | 5.60          | 15.2                     | 5.55          | 15.7                     | 4.75          |
| 72.0               | 13.3                     | 5.60          | 14.5                     | 5.60          | 16.1                     | 5.60          | 17.1                     | 5.45          | 17.5                     | 4.70          |
| 70.0               | 14.8                     | 5.60          | 15.9                     | 5.60          | 17.4                     | 5.60          | 18.4                     | 5.20          | 18.7                     | 4.70          |
| 67.0               | 16.8                     | 5.30          | 17.8                     | 4.90          | 19.2                     | 4.45          | 20.0                     | 4.25          | 20.3                     | 4.20          |
| 65.0               | 18.0                     | 4.50          | 19.0                     | 4.20          | 20.3                     | 3.85          | 21.1                     | 3.70          | 21.3                     | 3.70          |
| 64.0               | 18.6                     | 4.20          | 19.6                     | 3.90          | 20.8                     | 3.60          | 21.6                     | 3.45          | 21.8                     | 3.45          |
| 62.0               | 19.8                     | 3.55          | 20.8                     | 3.30          | 22.0                     | 3.10          | 22.7                     | 2.95          |                          |               |
| 60.0               | 21.0                     | 3.00          | 22.0                     | 2.80          | 23.0                     | 2.70          | 23.7                     | 2.55          |                          |               |
| 57.0               | 22.7                     | 2.35          | 23.7                     | 2.20          | 24.6                     | 2.10          | 25.2                     | 2.05          |                          |               |
| 55.0               | 23.8                     | 2.00          | 24.8                     | 1.85          | 25.7                     | 1.80          | 26.2                     | 1.75          |                          |               |
| 52.0               | 25.4                     | 1.45          | 26.4                     | 1.40          | 27.2                     | 1.35          | 27.6                     | 1.35          |                          |               |
| 51.0               | 25.9                     | 1.30          | 26.8                     | 1.25          | 27.7                     | 1.20          | 28.0                     | 1.20          |                          |               |
| 50.0               | 26.5                     | 1.10          | 27.3                     | 1.10          | 28.2                     | 1.05          |                          |               |                          |               |
| 47.0               | 28.0                     | 0.70          | 28.7                     | 0.70          | 29.5                     | 0.70          |                          |               |                          |               |
| 46.0               | 28.4                     | 0.55          | 29.2                     | 0.55          | 30.0                     | 0.55          |                          |               |                          |               |
| Min. boom angle(°) | 45                       |               | 45                       |               | 45                       |               | 49                       |               | 62                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SB1

Outriggers fully extended (7.2m) 360° full range, with 21.8ton counterweight mounted to crane  
33.2m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.1                      | 4.50          | 8.3                      | 4.50          | 11.5                     | 4.30          | 13.8                     | 3.25          | 15.4                     | 2.50          |
| 80.0               | 8.1                      | 4.50          | 11.3                     | 4.50          | 14.3                     | 3.90          | 16.4                     | 3.05          | 17.9                     | 2.45          |
| 77.0               | 10.9                     | 4.50          | 13.9                     | 4.50          | 16.6                     | 3.65          | 18.7                     | 2.95          | 19.9                     | 2.40          |
| 75.0               | 12.6                     | 4.50          | 15.6                     | 4.50          | 18.2                     | 3.50          | 20.1                     | 2.85          | 21.2                     | 2.40          |
| 72.0               | 15.2                     | 4.50          | 18.0                     | 4.15          | 20.4                     | 3.30          | 22.2                     | 2.75          | 23.0                     | 2.35          |
| 70.0               | 16.9                     | 4.50          | 19.6                     | 3.95          | 21.9                     | 3.20          | 23.5                     | 2.75          | 24.2                     | 2.35          |
| 67.0               | 19.4                     | 4.50          | 21.8                     | 3.65          | 24.0                     | 3.05          | 25.4                     | 2.70          | 26.0                     | 2.35          |
| 65.0               | 21.0                     | 4.45          | 23.3                     | 3.50          | 25.4                     | 2.95          | 26.7                     | 2.65          | 27.1                     | 2.35          |
| 62.0               | 23.2                     | 4.15          | 25.4                     | 3.30          | 27.3                     | 2.85          | 28.5                     | 2.60          |                          |               |
| 60.0               | 24.6                     | 3.95          | 26.8                     | 3.15          | 28.6                     | 2.80          | 29.6                     | 2.60          |                          |               |
| 57.0               | 26.7                     | 3.65          | 28.7                     | 2.95          | 30.4                     | 2.70          | 31.3                     | 2.55          |                          |               |
| 55.0               | 28.1                     | 3.45          | 30.0                     | 2.85          | 31.6                     | 2.65          | 32.3                     | 2.55          |                          |               |
| 52.0               | 30.0                     | 3.20          | 31.8                     | 2.75          | 33.3                     | 2.60          | 33.8                     | 2.55          |                          |               |
| 51.0               | 30.7                     | 3.15          | 32.4                     | 2.70          | 33.8                     | 2.60          | 34.3                     | 2.50          |                          |               |
| 50.0               | 31.3                     | 3.10          | 33.0                     | 2.65          | 34.3                     | 2.55          |                          |               |                          |               |
| 47.0               | 33.1                     | 2.70          | 34.7                     | 2.55          | 35.8                     | 2.45          |                          |               |                          |               |
| 45.0               | 34.1                     | 2.45          | 35.7                     | 2.35          | 36.7                     | 2.25          |                          |               |                          |               |
| 42.0               | 35.6                     | 2.15          | 37.1                     | 2.00          | 37.9                     | 2.00          |                          |               |                          |               |
| 40.0               | 36.6                     | 1.95          | 38.0                     | 1.85          | 38.7                     | 1.85          |                          |               |                          |               |
| 37.0               | 38.0                     | 1.65          | 39.2                     | 1.65          | 39.8                     | 1.60          |                          |               |                          |               |
| 35.0               | 38.9                     | 1.50          | 40.0                     | 1.45          |                          |               |                          |               |                          |               |
| 30.0               | 40.9                     | 1.25          | 41.7                     | 1.20          |                          |               |                          |               |                          |               |
| 25.0               | 42.6                     | 1.00          | 43.2                     | 1.00          |                          |               |                          |               |                          |               |
| 22.0               | 43.5                     | 0.85          | 43.9                     | 0.85          |                          |               |                          |               |                          |               |
| 20.0               | 44.0                     | 0.80          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 19                       |               | 20                       |               | 35                       |               | 49                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SB3

Outriggers intermediately extended (5.0m) over side, with 21.8ton counterweight mounted to crane  
33.2m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.1                      | 4.50          | 8.3                      | 4.50          | 11.5                     | 4.30          | 13.8                     | 3.25          | 15.4                     | 2.50          |
| 80.0               | 8.1                      | 4.50          | 11.3                     | 4.50          | 14.3                     | 3.90          | 16.4                     | 3.05          | 17.9                     | 2.45          |
| 77.0               | 10.9                     | 4.50          | 13.9                     | 4.50          | 16.6                     | 3.65          | 18.7                     | 2.95          | 19.9                     | 2.40          |
| 75.0               | 12.6                     | 4.50          | 15.6                     | 4.50          | 18.2                     | 3.50          | 20.1                     | 2.85          | 21.2                     | 2.40          |
| 72.0               | 15.2                     | 4.50          | 18.0                     | 4.15          | 20.4                     | 3.30          | 22.2                     | 2.75          | 23.0                     | 2.35          |
| 70.0               | 16.9                     | 4.50          | 19.6                     | 3.95          | 21.9                     | 3.20          | 23.5                     | 2.75          | 24.2                     | 2.35          |
| 67.0               | 19.4                     | 4.50          | 21.8                     | 3.65          | 24.0                     | 3.05          | 25.4                     | 2.70          | 26.0                     | 2.35          |
| 65.0               | 21.0                     | 4.45          | 23.3                     | 3.50          | 25.4                     | 2.95          | 26.7                     | 2.65          | 27.1                     | 2.35          |
| 62.0               | 23.0                     | 3.70          | 25.4                     | 3.30          | 27.3                     | 2.85          | 28.5                     | 2.60          |                          |               |
| 60.0               | 24.4                     | 3.20          | 26.6                     | 2.85          | 28.6                     | 2.60          | 29.6                     | 2.55          |                          |               |
| 57.0               | 26.4                     | 2.60          | 28.5                     | 2.35          | 30.3                     | 2.15          | 31.2                     | 2.10          |                          |               |
| 55.0               | 27.7                     | 2.25          | 29.7                     | 2.05          | 31.4                     | 1.90          | 32.1                     | 1.85          |                          |               |
| 52.0               | 29.5                     | 1.75          | 31.5                     | 1.60          | 33.0                     | 1.50          | 33.5                     | 1.50          |                          |               |
| 51.0               | 30.1                     | 1.65          | 32.1                     | 1.50          | 33.5                     | 1.40          | 34.0                     | 1.40          |                          |               |
| 50.0               | 30.7                     | 1.55          | 32.6                     | 1.40          | 34.0                     | 1.30          |                          |               |                          |               |
| 47.0               | 32.4                     | 1.20          | 34.2                     | 1.10          | 35.4                     | 1.05          |                          |               |                          |               |
| 45.0               | 33.5                     | 0.95          | 35.2                     | 0.90          | 36.3                     | 0.85          |                          |               |                          |               |
| 42.0               | 35.0                     | 0.65          | 36.7                     | 0.60          | 37.6                     | 0.60          |                          |               |                          |               |
| 41.0               | 35.5                     | 0.55          | 37.1                     | 0.50          | 38.0                     | 0.50          |                          |               |                          |               |
| Min. boom angle(°) | 40                       |               | 40                       |               | 40                       |               | 49                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SB2

Outriggers intermediately extended (6.0m) over side, with 21.8ton counterweight mounted to crane  
33.2m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.1                      | 4.50          | 8.3                      | 4.50          | 11.5                     | 4.30          | 13.8                     | 3.25          | 15.4                     | 2.50          |
| 80.0               | 8.1                      | 4.50          | 11.3                     | 4.50          | 14.3                     | 3.90          | 16.4                     | 3.05          | 17.9                     | 2.45          |
| 77.0               | 10.9                     | 4.50          | 13.9                     | 4.50          | 16.6                     | 3.65          | 18.7                     | 2.95          | 19.9                     | 2.40          |
| 75.0               | 12.6                     | 4.50          | 15.6                     | 4.50          | 18.2                     | 3.50          | 20.1                     | 2.85          | 21.2                     | 2.40          |
| 72.0               | 15.2                     | 4.50          | 18.0                     | 4.15          | 20.4                     | 3.30          | 22.2                     | 2.75          | 23.0                     | 2.35          |
| 70.0               | 16.9                     | 4.50          | 19.6                     | 3.95          | 21.9                     | 3.20          | 23.5                     | 2.75          | 24.2                     | 2.35          |
| 67.0               | 19.4                     | 4.50          | 21.8                     | 3.65          | 24.0                     | 3.05          | 25.4                     | 2.70          | 26.0                     | 2.35          |
| 65.0               | 21.0                     | 4.45          | 23.3                     | 3.50          | 25.4                     | 2.95          | 26.7                     | 2.65          | 27.1                     | 2.35          |
| 62.0               | 23.2                     | 4.15          | 25.4                     | 3.30          | 27.3                     | 2.85          | 28.5                     | 2.60          |                          |               |
| 60.0               | 24.6                     | 3.95          | 26.8                     | 3.15          | 28.6                     | 2.80          | 29.6                     | 2.60          |                          |               |
| 57.0               | 26.7                     | 3.45          | 28.7                     | 2.95          | 30.4                     | 2.70          | 31.3                     | 2.55          |                          |               |
| 55.0               | 28.0                     | 3.05          | 30.0                     | 2.80          | 31.6                     | 2.65          | 32.3                     | 2.55          |                          |               |
| 52.0               | 29.8                     | 2.55          | 31.8                     | 2.35          | 33.2                     | 2.20          | 33.7                     | 2.20          |                          |               |
| 51.0               | 30.4                     | 2.40          | 32.3                     | 2.20          | 33.7                     | 2.10          | 34.2                     | 2.10          |                          |               |
| 50.0               | 31.0                     | 2.25          | 32.8                     | 2.10          | 34.2                     | 2.00          |                          |               |                          |               |
| 47.0               | 32.7                     | 1.90          | 34.4                     | 1.75          | 35.6                     | 1.70          |                          |               |                          |               |
| 45.0               | 33.8                     | 1.65          | 35.4                     | 1.55          | 36.5                     | 1.50          |                          |               |                          |               |
| 42.0               | 35.4                     | 1.35          | 36.9                     | 1.25          | 37.7                     | 1.25          |                          |               |                          |               |
| 40.0               | 36.4                     | 1.20          | 37.8                     | 1.10          | 38.5                     | 1.10          |                          |               |                          |               |
| 37.0               | 37.8                     | 0.95          | 39.1                     | 0.90          | 39.6                     | 0.90          |                          |               |                          |               |
| 35.0               | 38.7                     | 0.80          | 39.8                     | 0.80          |                          |               |                          |               |                          |               |
| 31.0               | 40.3                     | 0.50          | 41.3                     | 0.50          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 30                       |               | 30                       |               | 35                       |               | 49                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SB4

Outriggers intermediately extended (4.2m) over side, with 21.8ton counterweight mounted to crane  
33.2m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.1                      | 4.50          | 8.3                      | 4.50          | 11.5                     | 4.30          | 13.8                     | 3.25          | 15.4                     | 2.50          |
| 80.0               | 8.1                      | 4.50          | 11.3                     | 4.50          | 14.3                     | 3.90          | 16.4                     | 3.05          | 17.9                     | 2.45          |
| 77.0               | 10.9                     | 4.50          | 13.9                     | 4.50          | 16.6                     | 3.65          | 18.7                     | 2.95          | 19.9                     | 2.40          |
| 75.0               | 12.6                     | 4.50          | 15.6                     | 4.50          | 18.2                     | 3.50          | 20.1                     | 2.85          | 21.2                     | 2.40          |
| 72.0               | 15.2                     | 4.50          | 18.0                     | 4.15          | 20.4                     | 3.30          | 22.2                     | 2.75          | 23.0                     | 2.35          |
| 70.0               | 16.9                     | 4.50          | 19.6                     | 3.95          | 21.9                     | 3.20          | 23.5                     | 2.75          | 24.2                     | 2.35          |
| 67.0               | 19.4                     | 4.30          | 21.8                     | 3.65          | 24.0                     | 3.05          | 25.4                     | 2.70          | 26.0                     | 2.35          |
| 65.0               | 20.7                     | 3.75          | 23.2                     | 3.25          | 25.4                     | 2.90          | 26.7                     | 2.65          | 27.1                     | 2.35          |
| 62.0               | 22.7                     | 2.95          | 25.1                     | 2.55          | 27.2                     | 2.30          | 28.4                     | 2.20          |                          |               |
| 60.0               | 24.1                     | 2.50          | 26.4                     | 2.20          | 28.3                     | 2.00          | 29.4                     | 1.95          |                          |               |
| 57.0               | 26.1                     | 1.90          | 28.3                     | 1.70          | 30.1                     | 1.60          | 31.0                     | 1.55          |                          |               |
| 55.0               | 27.4                     | 1.60          | 29.5                     | 1.45          | 31.2                     | 1.35          | 32.0                     | 1.30          |                          |               |
| 52.0               | 29.3                     | 1.10          | 31.3                     | 1.00          | 32.8                     | 0.95          | 33.4                     | 0.95          |                          |               |
| 51.0               | 29.9                     | 1.00          | 31.8                     | 0.85          | 33.3                     | 0.85          | 33.8                     | 0.85          |                          |               |
| 50.0               | 30.4                     | 0.85          | 32.4                     | 0.75          | 33.8                     | 0.70          |                          |               |                          |               |
| 48.0               | 31.6                     | 0.60          | 33.5                     | 0.50          | 34.8                     | 0.50          |                          |               |                          |               |
| Min. boom angle(°) | 47                       |               | 47                       |               | 47                       |               | 49                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SB1**

 Outriggers fully extended (7.2m) 360° full range, with 21.8ton counterweight mounted to crane  
 33.2m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.9                      | 3.00          | 10.9                     | 3.00          | 15.5                     | 2.40          | 18.8                     | 1.90          | 20.9                     | 1.50          |
| 80.0               | 9.7                      | 3.00          | 14.4                     | 3.00          | 18.5                     | 2.25          | 21.6                     | 1.80          | 23.4                     | 1.50          |
| 77.0               | 12.8                     | 3.00          | 17.3                     | 2.90          | 21.1                     | 2.10          | 23.9                     | 1.75          | 25.4                     | 1.45          |
| 75.0               | 14.8                     | 3.00          | 19.1                     | 2.75          | 22.8                     | 2.05          | 25.4                     | 1.70          | 26.8                     | 1.45          |
| 72.0               | 17.7                     | 3.00          | 21.7                     | 2.55          | 25.2                     | 1.95          | 27.5                     | 1.65          | 28.7                     | 1.40          |
| 70.0               | 19.7                     | 3.00          | 23.4                     | 2.40          | 26.7                     | 1.90          | 28.9                     | 1.65          | 29.9                     | 1.40          |
| 67.0               | 22.4                     | 2.95          | 25.9                     | 2.30          | 29.0                     | 1.85          | 31.0                     | 1.60          | 31.6                     | 1.40          |
| 65.0               | 24.1                     | 2.90          | 27.5                     | 2.15          | 30.5                     | 1.75          | 32.3                     | 1.55          | 32.7                     | 1.40          |
| 62.0               | 26.7                     | 2.65          | 29.9                     | 2.05          | 32.6                     | 1.70          | 34.1                     | 1.55          |                          |               |
| 60.0               | 28.4                     | 2.55          | 31.4                     | 1.95          | 33.9                     | 1.70          | 35.2                     | 1.55          |                          |               |
| 57.0               | 30.7                     | 2.30          | 33.5                     | 1.85          | 35.8                     | 1.65          | 36.9                     | 1.55          |                          |               |
| 55.0               | 32.2                     | 2.20          | 34.9                     | 1.80          | 37.0                     | 1.60          | 37.9                     | 1.55          |                          |               |
| 52.0               | 34.4                     | 2.05          | 36.9                     | 1.70          | 38.8                     | 1.60          | 39.5                     | 1.55          |                          |               |
| 51.0               | 35.1                     | 2.00          | 37.5                     | 1.65          | 39.4                     | 1.60          | 39.9                     | 1.55          |                          |               |
| 50.0               | 35.7                     | 1.95          | 38.1                     | 1.60          | 39.9                     | 1.60          |                          |               |                          |               |
| 47.0               | 37.7                     | 1.85          | 39.9                     | 1.60          | 41.4                     | 1.55          |                          |               |                          |               |
| 45.0               | 39.0                     | 1.80          | 41.0                     | 1.55          | 42.4                     | 1.55          |                          |               |                          |               |
| 42.0               | 40.8                     | 1.70          | 42.6                     | 1.50          | 43.7                     | 1.50          |                          |               |                          |               |
| 40.0               | 41.9                     | 1.55          | 43.6                     | 1.45          | 44.6                     | 1.45          |                          |               |                          |               |
| 37.0               | 43.3                     | 1.35          | 45.0                     | 1.25          | 45.7                     | 1.25          |                          |               |                          |               |
| 35.0               | 44.2                     | 1.25          | 45.7                     | 1.20          |                          |               |                          |               |                          |               |
| 30.0               | 46.4                     | 1.00          | 47.4                     | 1.00          |                          |               |                          |               |                          |               |
| 25.0               | 48.1                     | 0.75          | 48.8                     | 0.75          |                          |               |                          |               |                          |               |
| 23.0               | 48.8                     | 0.70          | 49.2                     | 0.70          |                          |               |                          |               |                          |               |
| 22.0               | 49.0                     | 0.65          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 20                       |               | 21                       |               | 35                       |               | 49                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SB2**

 Outriggers intermediately extended (6.0m) over side, with 21.8ton counterweight mounted to crane  
 33.2m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.9                      | 3.00          | 10.9                     | 3.00          | 15.5                     | 2.40          | 18.8                     | 1.90          | 20.9                     | 1.50          |
| 80.0               | 9.7                      | 3.00          | 14.4                     | 3.00          | 18.5                     | 2.25          | 21.6                     | 1.80          | 23.4                     | 1.50          |
| 77.0               | 12.8                     | 3.00          | 17.3                     | 2.90          | 21.1                     | 2.10          | 23.9                     | 1.75          | 25.4                     | 1.45          |
| 75.0               | 14.8                     | 3.00          | 19.1                     | 2.75          | 22.8                     | 2.05          | 25.4                     | 1.70          | 26.8                     | 1.45          |
| 72.0               | 17.7                     | 3.00          | 21.7                     | 2.55          | 25.2                     | 1.95          | 27.5                     | 1.65          | 28.7                     | 1.40          |
| 70.0               | 19.7                     | 3.00          | 23.4                     | 2.40          | 26.7                     | 1.90          | 28.9                     | 1.65          | 29.9                     | 1.40          |
| 67.0               | 22.4                     | 2.95          | 25.9                     | 2.30          | 29.0                     | 1.85          | 31.0                     | 1.60          | 31.6                     | 1.40          |
| 65.0               | 24.1                     | 2.90          | 27.5                     | 2.15          | 30.5                     | 1.75          | 32.3                     | 1.55          | 32.7                     | 1.40          |
| 62.0               | 26.7                     | 2.65          | 29.9                     | 2.05          | 32.6                     | 1.70          | 34.1                     | 1.55          |                          |               |
| 60.0               | 28.4                     | 2.55          | 31.4                     | 1.95          | 33.9                     | 1.70          | 35.2                     | 1.55          |                          |               |
| 57.0               | 30.7                     | 2.30          | 33.5                     | 1.85          | 35.8                     | 1.65          | 36.9                     | 1.55          |                          |               |
| 55.0               | 32.2                     | 2.20          | 34.9                     | 1.80          | 37.0                     | 1.60          | 37.9                     | 1.55          |                          |               |
| 52.0               | 34.4                     | 2.05          | 36.9                     | 1.70          | 38.8                     | 1.60          | 39.5                     | 1.55          |                          |               |
| 51.0               | 35.1                     | 1.90          | 37.5                     | 1.65          | 39.4                     | 1.60          | 39.9                     | 1.55          |                          |               |
| 50.0               | 35.7                     | 1.75          | 38.1                     | 1.60          | 39.9                     | 1.60          |                          |               |                          |               |
| 47.0               | 37.4                     | 1.50          | 39.8                     | 1.35          | 41.3                     | 1.30          |                          |               |                          |               |
| 45.0               | 38.6                     | 1.30          | 40.8                     | 1.25          | 42.2                     | 1.20          |                          |               |                          |               |
| 42.0               | 40.3                     | 1.10          | 42.4                     | 1.00          | 43.5                     | 1.00          |                          |               |                          |               |
| 40.0               | 41.4                     | 0.95          | 43.3                     | 0.90          | 44.3                     | 0.90          |                          |               |                          |               |
| 37.0               | 42.9                     | 0.70          | 44.6                     | 0.70          | 45.3                     | 0.70          |                          |               |                          |               |
| 35.0               | 43.8                     | 0.55          | 45.4                     | 0.55          |                          |               |                          |               |                          |               |
| 34.0               | 44.3                     | 0.50          | 45.8                     | 0.50          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 33                       |               | 33                       |               | 35                       |               | 49                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SB3**

 Outriggers intermediately extended (5.0m) over side, with 21.8ton counterweight mounted to crane  
 33.2m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.9                      | 3.00          | 10.9                     | 3.00          | 15.5                     | 2.40          | 18.8                     | 1.90          | 20.9                     | 1.50          |
| 80.0               | 9.7                      | 3.00          | 14.4                     | 3.00          | 18.5                     | 2.25          | 21.6                     | 1.80          | 23.4                     | 1.50          |
| 77.0               | 12.8                     | 3.00          | 17.3                     | 2.90          | 21.1                     | 2.10          | 23.9                     | 1.75          | 25.4                     | 1.45          |
| 75.0               | 14.8                     | 3.00          | 19.1                     | 2.75          | 22.8                     | 2.05          | 25.4                     | 1.70          | 26.8                     | 1.45          |
| 72.0               | 17.7                     | 3.00          | 21.7                     | 2.55          | 25.2                     | 1.95          | 27.5                     | 1.65          | 28.7                     | 1.40          |
| 70.0               | 19.7                     | 3.00          | 23.4                     | 2.40          | 26.7                     | 1.90          | 28.9                     | 1.65          | 29.9                     | 1.40          |
| 67.0               | 22.4                     | 2.95          | 25.9                     | 2.30          | 29.0                     | 1.85          | 31.0                     | 1.60          | 31.6                     | 1.40          |
| 65.0               | 24.1                     | 2.90          | 27.5                     | 2.15          | 30.5                     | 1.75          | 32.3                     | 1.55          | 32.7                     | 1.40          |
| 62.0               | 26.7                     | 2.65          | 29.9                     | 2.05          | 32.6                     | 1.70          | 34.1                     | 1.55          |                          |               |
| 60.0               | 28.4                     | 2.55          | 31.4                     | 1.95          | 33.9                     | 1.70          | 35.2                     | 1.55          |                          |               |
| 57.0               | 30.5                     | 2.05          | 33.5                     | 1.85          | 35.8                     | 1.65          | 36.9                     | 1.55          |                          |               |
| 55.0               | 31.8                     | 1.75          | 34.7                     | 1.60          | 37.0                     | 1.45          | 37.9                     | 1.45          |                          |               |
| 52.0               | 33.8                     | 1.45          | 36.6                     | 1.30          | 38.6                     | 1.20          | 39.4                     | 1.20          |                          |               |
| 51.0               | 34.5                     | 1.30          | 37.2                     | 1.20          | 39.1                     | 1.10          | 39.8                     | 1.10          |                          |               |
| 50.0               | 35.1                     | 1.20          | 37.7                     | 1.10          | 39.6                     | 1.05          |                          |               |                          |               |
| 47.0               | 36.9                     | 0.90          | 39.4                     | 0.80          | 41.1                     | 0.80          |                          |               |                          |               |
| 45.0               | 38.0                     | 0.70          | 40.4                     | 0.65          | 42.0                     | 0.65          |                          |               |                          |               |
| 43.0               | 39.1                     | 0.50          | 41.4                     | 0.50          | 42.8                     | 0.50          |                          |               |                          |               |
| Min. boom angle(°) | 42                       |               | 42                       |               | 42                       |               | 49                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SB4**

 Outriggers intermediately extended (4.2m) over side, with 21.8ton counterweight mounted to crane  
 33.2m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.9                      | 3.00          | 10.9                     | 3.00          | 15.5                     | 2.40          | 18.8                     | 1.90          | 20.9                     | 1.50          |
| 80.0               | 9.7                      | 3.00          | 14.4                     | 3.00          | 18.5                     | 2.25          | 21.6                     | 1.80          | 23.4                     | 1.50          |
| 77.0               | 12.8                     | 3.00          | 17.3                     | 2.90          | 21.1                     | 2.10          | 23.9                     | 1.75          | 25.4                     | 1.45          |
| 75.0               | 14.8                     | 3.00          | 19.1                     | 2.75          | 22.8                     | 2.05          | 25.4                     | 1.70          | 26.8                     | 1.45          |
| 72.0               | 17.7                     | 3.00          | 21.7                     | 2.55          | 25.2                     | 1.95          | 27.5                     | 1.65          | 28.7                     | 1.40          |
| 70.0               | 19.7                     | 3.00          | 23.4                     | 2.40          | 26.7                     | 1.90          | 28.9                     | 1.65          | 29.9                     | 1.40          |
| 67.0               | 22.4                     | 2.95          | 25.9                     | 2.30          | 29.0                     | 1.85          | 31.0                     | 1.60          | 31.6                     | 1.40          |
| 65.0               | 24.1                     | 2.90          | 27.5                     | 2.15          | 30.5                     | 1.75          | 32.3                     | 1.55          | 32.7                     | 1.40          |
| 62.0               | 26.4                     | 2.35          | 29.9                     | 1.95          | 32.6                     | 1.70          | 34.1                     | 1.55          |                          |               |
| 60.0               | 27.9                     | 1.95          | 31.2                     | 1.70          | 33.8                     | 1.55          | 35.2                     | 1.50          |                          |               |
| 57.0               | 30.0                     | 1.55          | 33.1                     | 1.35          | 35.6                     | 1.20          | 36.8                     | 1.20          |                          |               |
| 55.0               | 31.4                     | 1.25          | 34.3                     | 1.05          | 36.7                     | 1.00          | 37.8                     | 1.00          |                          |               |
| 52.0               | 33.4                     | 0.85          | 36.2                     | 0.70          | 38.3                     | 0.70          | 39.2                     | 0.70          |                          |               |
| 51.0               | 34.0                     | 0.70          | 36.8                     | 0.60          | 38.8                     | 0.60          | 39.7                     | 0.60          |                          |               |
| 50.0               | 34.6                     | 0.60          | 37.4                     | 0.50          | 39.3                     | 0.50          |                          |               |                          |               |
| 49.0               | 35.2                     | 0.50          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 48                       |               | 49                       |               | 49                       |               | 49                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SB1

Outriggers fully extended (7.2m) 360° full range, with 21.8ton counterweight mounted to crane  
40.5m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.4                      | 5.60          | 6.8                      | 5.60          | 8.8                      | 5.60          | 10.4                     | 5.60          | 11.3                     | 5.00          |
| 80.0               | 8.7                      | 5.60          | 10.2                     | 5.60          | 12.1                     | 5.60          | 13.5                     | 5.60          | 14.2                     | 4.80          |
| 77.0               | 11.7                     | 5.60          | 13.1                     | 5.60          | 14.9                     | 5.60          | 16.2                     | 5.55          | 16.6                     | 4.75          |
| 75.0               | 13.6                     | 5.60          | 14.9                     | 5.60          | 16.7                     | 5.60          | 17.8                     | 5.55          | 18.2                     | 4.70          |
| 72.0               | 16.4                     | 5.60          | 17.7                     | 5.60          | 19.3                     | 5.60          | 20.3                     | 5.35          | 20.5                     | 4.70          |
| 70.0               | 18.3                     | 5.60          | 19.5                     | 5.60          | 21.0                     | 5.60          | 21.9                     | 5.30          | 22.0                     | 4.70          |
| 67.0               | 20.9                     | 5.60          | 22.1                     | 5.60          | 23.5                     | 5.60          | 24.1                     | 5.15          | 24.2                     | 4.65          |
| 65.0               | 22.6                     | 5.60          | 23.8                     | 5.35          | 25.0                     | 5.05          | 25.6                     | 4.95          |                          |               |
| 62.0               | 24.6                     | 4.75          | 25.7                     | 4.50          | 26.7                     | 4.30          | 27.4                     | 4.15          |                          |               |
| 60.0               | 26.0                     | 4.15          | 27.0                     | 3.95          | 28.0                     | 3.75          | 28.6                     | 3.65          |                          |               |
| 57.0               | 28.0                     | 3.40          | 29.0                     | 3.20          | 29.8                     | 3.15          | 30.4                     | 3.05          |                          |               |
| 55.0               | 29.4                     | 2.95          | 30.3                     | 2.85          | 31.1                     | 2.75          | 31.5                     | 2.70          |                          |               |
| 53.0               | 30.6                     | 2.60          | 31.5                     | 2.50          | 32.3                     | 2.45          | 32.6                     | 2.40          |                          |               |
| 52.0               | 31.3                     | 2.40          | 32.1                     | 2.30          | 32.9                     | 2.25          |                          |               |                          |               |
| 50.0               | 32.5                     | 2.10          | 33.3                     | 2.05          | 34.0                     | 2.00          |                          |               |                          |               |
| 47.0               | 34.2                     | 1.70          | 35.0                     | 1.65          | 35.6                     | 1.60          |                          |               |                          |               |
| 45.0               | 35.3                     | 1.50          | 36.1                     | 1.40          | 36.7                     | 1.35          |                          |               |                          |               |
| 42.0               | 37.0                     | 1.15          | 37.6                     | 1.15          | 38.1                     | 1.10          |                          |               |                          |               |
| 40.0               | 38.0                     | 0.95          | 38.6                     | 0.95          | 39.0                     | 0.95          |                          |               |                          |               |
| 39.0               | 38.5                     | 0.85          | 39.0                     | 0.85          | 39.4                     | 0.85          |                          |               |                          |               |
| 35.0               | 40.3                     | 0.50          | 40.8                     | 0.50          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 34                       |               | 34                       |               | 38                       |               | 51                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SB2

Outriggers intermediately extended (6.0m) over side, with 21.8ton counterweight mounted to crane  
40.5m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.4                      | 5.60          | 6.8                      | 5.60          | 8.8                      | 5.60          | 10.4                     | 5.60          | 11.3                     | 5.00          |
| 80.0               | 8.7                      | 5.60          | 10.2                     | 5.60          | 12.1                     | 5.60          | 13.5                     | 5.60          | 14.2                     | 4.80          |
| 77.0               | 11.7                     | 5.60          | 13.1                     | 5.60          | 14.9                     | 5.60          | 16.2                     | 5.55          | 16.6                     | 4.75          |
| 75.0               | 13.6                     | 5.60          | 14.9                     | 5.60          | 16.7                     | 5.60          | 17.8                     | 5.55          | 18.2                     | 4.70          |
| 72.0               | 16.4                     | 5.60          | 17.7                     | 5.60          | 19.3                     | 5.60          | 20.3                     | 5.35          | 20.5                     | 4.70          |
| 70.0               | 18.3                     | 5.60          | 19.5                     | 5.60          | 21.0                     | 5.60          | 21.9                     | 5.30          | 22.0                     | 4.70          |
| 67.0               | 20.9                     | 5.20          | 21.9                     | 4.90          | 23.0                     | 4.65          | 23.8                     | 4.45          | 24.2                     | 4.35          |
| 65.0               | 22.2                     | 4.50          | 23.3                     | 4.20          | 24.4                     | 4.00          | 25.1                     | 3.90          |                          |               |
| 62.0               | 24.3                     | 3.60          | 25.3                     | 3.35          | 26.3                     | 3.25          | 27.0                     | 3.15          |                          |               |
| 60.0               | 25.6                     | 3.10          | 26.6                     | 2.90          | 27.6                     | 2.80          | 28.3                     | 2.70          |                          |               |
| 57.0               | 27.7                     | 2.40          | 28.6                     | 2.30          | 29.5                     | 2.20          | 30.0                     | 2.15          |                          |               |
| 55.0               | 29.0                     | 2.00          | 29.9                     | 1.95          | 30.8                     | 1.85          | 31.2                     | 1.85          |                          |               |
| 53.0               | 30.3                     | 1.70          | 31.2                     | 1.60          | 32.0                     | 1.55          | 32.3                     | 1.55          |                          |               |
| 52.0               | 31.0                     | 1.55          | 31.8                     | 1.45          | 32.6                     | 1.40          |                          |               |                          |               |
| 50.0               | 32.2                     | 1.25          | 33.0                     | 1.20          | 33.7                     | 1.20          |                          |               |                          |               |
| 47.0               | 33.9                     | 0.85          | 34.7                     | 0.85          | 35.4                     | 0.85          |                          |               |                          |               |
| 45.0               | 35.0                     | 0.60          | 35.8                     | 0.60          | 36.4                     | 0.60          |                          |               |                          |               |
| 44.0               | 35.5                     | 0.50          | 36.3                     | 0.50          | 36.9                     | 0.50          |                          |               |                          |               |
| Min. boom angle(°) | 43                       |               | 43                       |               | 43                       |               | 51                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SB3

Outriggers intermediately extended (5.0m) over side, with 21.8ton counterweight mounted to crane  
40.5m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.4                      | 5.60          | 6.8                      | 5.60          | 8.8                      | 5.60          | 10.4                     | 5.60          | 11.3                     | 5.00          |
| 80.0               | 8.7                      | 5.60          | 10.2                     | 5.60          | 12.1                     | 5.60          | 13.5                     | 5.60          | 14.2                     | 4.80          |
| 77.0               | 11.7                     | 5.60          | 13.1                     | 5.60          | 14.9                     | 5.60          | 16.2                     | 5.55          | 16.6                     | 4.75          |
| 75.0               | 13.6                     | 5.60          | 14.9                     | 5.60          | 16.7                     | 5.60          | 17.8                     | 5.55          | 18.2                     | 4.70          |
| 72.0               | 16.4                     | 5.60          | 17.7                     | 5.60          | 19.3                     | 5.40          | 20.3                     | 5.10          | 20.5                     | 4.70          |
| 70.0               | 18.3                     | 5.40          | 19.3                     | 5.05          | 20.6                     | 4.65          | 21.6                     | 4.40          | 21.9                     | 4.35          |
| 67.0               | 20.4                     | 4.15          | 21.5                     | 3.90          | 22.7                     | 3.65          | 23.5                     | 3.50          | 23.8                     | 3.50          |
| 65.0               | 21.8                     | 3.50          | 22.9                     | 3.30          | 24.1                     | 3.10          | 24.8                     | 3.00          |                          |               |
| 62.0               | 24.0                     | 2.65          | 25.0                     | 2.50          | 26.0                     | 2.40          | 26.7                     | 2.35          |                          |               |
| 60.0               | 25.3                     | 2.20          | 26.3                     | 2.10          | 27.3                     | 2.00          | 28.0                     | 1.95          |                          |               |
| 57.0               | 27.4                     | 1.60          | 28.3                     | 1.50          | 29.3                     | 1.45          | 29.8                     | 1.40          |                          |               |
| 55.0               | 28.8                     | 1.20          | 29.6                     | 1.20          | 30.5                     | 1.15          | 31.0                     | 1.15          |                          |               |
| 54.0               | 29.4                     | 1.00          | 30.2                     | 1.00          | 31.1                     | 1.00          | 31.5                     | 1.00          |                          |               |
| 53.0               | 30.0                     | 0.80          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 52                       |               | 53                       |               | 53                       |               | 53                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SB4

Outriggers intermediately extended (4.2m) over side, with 21.8ton counterweight mounted to crane  
40.5m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.4                      | 5.60          | 6.8                      | 5.60          | 8.8                      | 5.60          | 10.4                     | 5.60          | 11.3                     | 5.00          |
| 80.0               | 8.7                      | 5.60          | 10.2                     | 5.60          | 12.1                     | 5.60          | 13.5                     | 5.60          | 14.2                     | 4.80          |
| 77.0               | 11.7                     | 5.60          | 13.1                     | 5.60          | 14.9                     | 5.60          | 16.2                     | 5.55          | 16.6                     | 4.75          |
| 75.0               | 13.6                     | 5.60          | 14.9                     | 5.60          | 16.7                     | 5.60          | 17.8                     | 5.55          | 18.2                     | 4.70          |
| 72.0               | 16.4                     | 5.40          | 17.5                     | 5.00          | 18.9                     | 4.55          | 19.9                     | 4.25          | 20.3                     | 4.20          |
| 70.0               | 17.9                     | 4.45          | 19.0                     | 4.10          | 20.3                     | 3.80          | 21.3                     | 3.55          | 21.6                     | 3.55          |
| 67.0               | 20.0                     | 3.35          | 21.2                     | 3.05          | 22.4                     | 2.85          | 23.2                     | 2.75          | 23.6                     | 2.70          |
| 65.0               | 21.5                     | 2.70          | 22.6                     | 2.50          | 23.8                     | 2.35          | 24.6                     | 2.25          |                          |               |
| 62.0               | 23.7                     | 1.90          | 24.7                     | 1.80          | 25.8                     | 1.70          | 26.5                     | 1.65          |                          |               |
| 60.0               | 25.1                     | 1.40          | 26.0                     | 1.40          | 27.0                     | 1.35          | 27.8                     | 1.30          |                          |               |
| Min. boom angle(°) | 59                       |               | 59                       |               | 59                       |               | 59                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SB1**

 Outriggers fully extended (7.2m) 360° full range, with 21.8ton counterweight mounted to crane  
 40.5m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.9                      | 4.30          | 9.0                      | 4.30          | 12.9                     | 4.20          | 15.2                     | 3.20          | 16.5                     | 2.45          |
| 80.0               | 9.4                      | 4.30          | 12.9                     | 4.30          | 16.3                     | 3.80          | 18.3                     | 3.00          | 19.6                     | 2.45          |
| 77.0               | 12.7                     | 4.30          | 16.1                     | 4.30          | 19.1                     | 3.55          | 21.0                     | 2.90          | 22.0                     | 2.40          |
| 75.0               | 14.9                     | 4.30          | 18.2                     | 4.25          | 21.0                     | 3.40          | 22.7                     | 2.80          | 23.6                     | 2.35          |
| 72.0               | 18.2                     | 4.30          | 21.1                     | 4.00          | 23.7                     | 3.20          | 25.2                     | 2.75          | 25.9                     | 2.35          |
| 70.0               | 20.3                     | 4.30          | 23.0                     | 3.80          | 25.4                     | 3.10          | 26.9                     | 2.70          | 27.4                     | 2.35          |
| 67.0               | 23.3                     | 4.30          | 25.8                     | 3.50          | 27.9                     | 3.00          | 29.2                     | 2.65          | 29.6                     | 2.35          |
| 65.0               | 25.2                     | 4.20          | 27.6                     | 3.30          | 29.6                     | 2.90          | 30.7                     | 2.60          |                          |               |
| 62.0               | 28.0                     | 3.85          | 30.1                     | 3.10          | 31.9                     | 2.80          | 32.9                     | 2.55          |                          |               |
| 60.0               | 29.9                     | 3.35          | 31.7                     | 3.00          | 33.4                     | 2.70          | 34.2                     | 2.55          |                          |               |
| 57.0               | 31.9                     | 2.80          | 34.1                     | 2.55          | 35.6                     | 2.45          | 36.2                     | 2.40          |                          |               |
| 55.0               | 33.3                     | 2.40          | 35.2                     | 2.25          | 36.8                     | 2.15          | 37.4                     | 2.10          |                          |               |
| 53.0               | 34.7                     | 2.15          | 36.5                     | 2.00          | 38.0                     | 1.90          | 38.5                     | 1.90          |                          |               |
| 52.0               | 35.4                     | 2.00          | 37.2                     | 1.90          | 38.6                     | 1.80          |                          |               |                          |               |
| 50.0               | 36.7                     | 1.70          | 38.4                     | 1.60          | 39.8                     | 1.55          |                          |               |                          |               |
| 47.0               | 38.6                     | 1.40          | 40.2                     | 1.30          | 41.3                     | 1.30          |                          |               |                          |               |
| 45.0               | 39.8                     | 1.20          | 41.4                     | 1.15          | 42.3                     | 1.10          |                          |               |                          |               |
| 42.0               | 41.6                     | 0.90          | 43.1                     | 0.90          | 43.8                     | 0.90          |                          |               |                          |               |
| 40.0               | 42.8                     | 0.70          | 44.1                     | 0.70          | 44.7                     | 0.70          |                          |               |                          |               |
| 38.0               | 43.8                     | 0.55          | 45.0                     | 0.55          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 37                       |               | 37                       |               | 38                       |               | 51                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SB2**

 Outriggers intermediately extended (6.0m) over side, with 21.8ton counterweight mounted to crane  
 40.5m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.9                      | 4.30          | 9.0                      | 4.30          | 12.9                     | 4.20          | 15.2                     | 3.20          | 16.5                     | 2.45          |
| 80.0               | 9.4                      | 4.30          | 12.9                     | 4.30          | 16.3                     | 3.80          | 18.3                     | 3.00          | 19.6                     | 2.45          |
| 77.0               | 12.7                     | 4.30          | 16.1                     | 4.30          | 19.1                     | 3.55          | 21.0                     | 2.90          | 22.0                     | 2.40          |
| 75.0               | 14.9                     | 4.30          | 18.2                     | 4.25          | 21.0                     | 3.40          | 22.7                     | 2.80          | 23.6                     | 2.35          |
| 72.0               | 18.2                     | 4.30          | 21.1                     | 4.00          | 23.7                     | 3.20          | 25.2                     | 2.75          | 25.9                     | 2.35          |
| 70.0               | 20.3                     | 4.30          | 23.0                     | 3.80          | 25.4                     | 3.10          | 26.9                     | 2.70          | 27.4                     | 2.35          |
| 67.0               | 23.3                     | 4.30          | 25.8                     | 3.50          | 27.9                     | 3.00          | 29.2                     | 2.65          | 29.6                     | 2.35          |
| 65.0               | 25.0                     | 3.80          | 27.6                     | 3.30          | 29.6                     | 2.90          | 30.7                     | 2.60          |                          |               |
| 62.0               | 27.5                     | 3.00          | 29.7                     | 2.70          | 31.7                     | 2.50          | 32.9                     | 2.35          |                          |               |
| 60.0               | 29.1                     | 2.55          | 31.2                     | 2.30          | 33.1                     | 2.15          | 34.0                     | 2.10          |                          |               |
| 57.0               | 31.4                     | 1.95          | 33.4                     | 1.80          | 35.1                     | 1.70          | 35.9                     | 1.70          |                          |               |
| 55.0               | 32.9                     | 1.60          | 34.8                     | 1.50          | 36.4                     | 1.40          | 37.1                     | 1.40          |                          |               |
| 53.0               | 34.3                     | 1.35          | 36.1                     | 1.30          | 37.7                     | 1.20          | 38.2                     | 1.20          |                          |               |
| 52.0               | 34.9                     | 1.25          | 36.8                     | 1.15          | 38.3                     | 1.10          |                          |               |                          |               |
| 50.0               | 36.2                     | 1.00          | 38.1                     | 0.95          | 39.4                     | 0.90          |                          |               |                          |               |
| 47.0               | 38.1                     | 0.65          | 39.8                     | 0.60          | 41.1                     | 0.55          |                          |               |                          |               |
| 46.0               | 38.8                     | 0.50          | 40.4                     | 0.50          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 45                       |               | 45                       |               | 46                       |               | 51                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SB3**

 Outriggers intermediately extended (5.0m) over side, with 21.8ton counterweight mounted to crane  
 40.5m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.9                      | 4.30          | 9.0                      | 4.30          | 12.9                     | 4.20          | 15.2                     | 3.20          | 16.5                     | 2.45          |
| 80.0               | 9.4                      | 4.30          | 12.9                     | 4.30          | 16.3                     | 3.80          | 18.3                     | 3.00          | 19.6                     | 2.45          |
| 77.0               | 12.7                     | 4.30          | 16.1                     | 4.30          | 19.1                     | 3.55          | 21.0                     | 2.90          | 22.0                     | 2.40          |
| 75.0               | 14.9                     | 4.30          | 18.2                     | 4.25          | 21.0                     | 3.40          | 22.7                     | 2.80          | 23.6                     | 2.35          |
| 72.0               | 18.2                     | 4.30          | 21.1                     | 4.00          | 23.7                     | 3.20          | 25.2                     | 2.75          | 25.9                     | 2.35          |
| 70.0               | 20.3                     | 4.30          | 23.0                     | 3.80          | 25.4                     | 3.10          | 26.9                     | 2.70          | 27.4                     | 2.35          |
| 67.0               | 22.9                     | 3.55          | 25.5                     | 3.05          | 27.8                     | 2.75          | 29.2                     | 2.65          | 29.6                     | 2.35          |
| 65.0               | 24.6                     | 2.95          | 27.1                     | 2.55          | 29.2                     | 2.35          | 30.5                     | 2.25          |                          |               |
| 62.0               | 27.1                     | 2.20          | 29.4                     | 1.95          | 31.3                     | 1.80          | 32.5                     | 1.70          |                          |               |
| 60.0               | 28.7                     | 1.75          | 30.9                     | 1.60          | 32.7                     | 1.50          | 33.8                     | 1.45          |                          |               |
| 57.0               | 31.0                     | 1.25          | 33.0                     | 1.15          | 34.7                     | 1.10          | 35.6                     | 1.10          |                          |               |
| 55.0               | 32.5                     | 0.90          | 34.4                     | 0.85          | 36.0                     | 0.80          | 36.8                     | 0.80          |                          |               |
| Min. boom angle(°) | 54                       |               | 54                       |               | 54                       |               | 54                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SB4**

 Outriggers intermediately extended (4.2m) over side, with 21.8ton counterweight mounted to crane  
 40.5m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.9                      | 4.30          | 9.0                      | 4.30          | 12.9                     | 4.20          | 15.2                     | 3.20          | 16.5                     | 2.45          |
| 80.0               | 9.4                      | 4.30          | 12.9                     | 4.30          | 16.3                     | 3.80          | 18.3                     | 3.00          | 19.6                     | 2.45          |
| 77.0               | 12.7                     | 4.30          | 16.1                     | 4.30          | 19.1                     | 3.55          | 21.0                     | 2.90          | 22.0                     | 2.40          |
| 75.0               | 14.9                     | 4.30          | 18.2                     | 4.25          | 21.0                     | 3.40          | 22.7                     | 2.80          | 23.6                     | 2.35          |
| 72.0               | 18.2                     | 4.30          | 21.1                     | 3.90          | 23.7                     | 3.20          | 25.2                     | 2.75          | 25.9                     | 2.35          |
| 70.0               | 20.1                     | 3.80          | 22.8                     | 3.20          | 25.2                     | 2.85          | 26.9                     | 2.60          | 27.4                     | 2.35          |
| 67.0               | 22.6                     | 2.75          | 25.1                     | 2.40          | 27.4                     | 2.15          | 28.9                     | 2.00          | 29.5                     | 2.00          |
| 65.0               | 24.2                     | 2.25          | 26.8                     | 1.95          | 28.9                     | 1.75          | 30.2                     | 1.70          |                          |               |
| 62.0               | 26.7                     | 1.55          | 29.1                     | 1.35          | 31.0                     | 1.25          | 32.2                     | 1.20          |                          |               |
| 61.0               | 27.6                     | 1.35          | 29.8                     | 1.20          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 60                       |               | 60                       |               | 61                       |               | 61                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SB1

Outriggers fully extended (7.2m) 360° full range, with 21.8ton counterweight mounted to crane  
40.5m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 2.70          | 12.1                     | 2.70          | 17.0                     | 2.35          | 20.3                     | 1.85          | 22.1                     | 1.50          |
| 80.0               | 10.8                     | 2.70          | 16.3                     | 2.70          | 20.6                     | 2.20          | 23.5                     | 1.75          | 25.1                     | 1.45          |
| 77.0               | 14.4                     | 2.70          | 19.9                     | 2.70          | 23.6                     | 2.10          | 26.2                     | 1.70          | 27.6                     | 1.45          |
| 75.0               | 16.9                     | 2.70          | 22.0                     | 2.60          | 25.5                     | 2.00          | 28.0                     | 1.70          | 29.2                     | 1.40          |
| 72.0               | 20.6                     | 2.70          | 25.2                     | 2.40          | 28.4                     | 1.90          | 30.6                     | 1.60          | 31.5                     | 1.40          |
| 70.0               | 22.9                     | 2.70          | 27.2                     | 2.30          | 30.3                     | 1.85          | 32.3                     | 1.60          | 33.0                     | 1.40          |
| 67.0               | 26.4                     | 2.70          | 30.1                     | 2.15          | 32.9                     | 1.75          | 34.7                     | 1.55          | 35.2                     | 1.40          |
| 65.0               | 28.5                     | 2.65          | 31.9                     | 2.10          | 34.6                     | 1.70          | 36.2                     | 1.55          |                          |               |
| 62.0               | 31.5                     | 2.50          | 34.6                     | 1.95          | 37.1                     | 1.70          | 38.5                     | 1.55          |                          |               |
| 60.0               | 33.4                     | 2.35          | 36.3                     | 1.85          | 38.7                     | 1.65          | 39.9                     | 1.55          |                          |               |
| 57.0               | 36.1                     | 2.15          | 38.8                     | 1.75          | 41.0                     | 1.60          | 41.9                     | 1.50          |                          |               |
| 55.0               | 37.9                     | 1.95          | 40.4                     | 1.70          | 42.4                     | 1.60          | 43.2                     | 1.50          |                          |               |
| 53.0               | 39.2                     | 1.70          | 41.9                     | 1.60          | 43.8                     | 1.50          | 44.4                     | 1.50          |                          |               |
| 52.0               | 40.0                     | 1.60          | 42.6                     | 1.45          | 44.4                     | 1.40          |                          |               |                          |               |
| 50.0               | 41.4                     | 1.40          | 43.8                     | 1.30          | 45.5                     | 1.25          |                          |               |                          |               |
| 47.0               | 43.5                     | 1.10          | 45.6                     | 1.05          | 47.1                     | 1.00          |                          |               |                          |               |
| 45.0               | 44.7                     | 0.95          | 46.8                     | 0.90          | 48.2                     | 0.90          |                          |               |                          |               |
| 42.0               | 46.5                     | 0.65          | 48.5                     | 0.65          | 49.6                     | 0.65          |                          |               |                          |               |
| 40.0               | 47.6                     | 0.50          | 49.6                     | 0.50          | 50.5                     | 0.50          |                          |               |                          |               |
| Min. boom angle(°) | 39                       |               | 39                       |               | 39                       |               | 51                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SB2

Outriggers intermediately extended (6.0m) over side, with 21.8ton counterweight mounted to crane  
40.5m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 2.70          | 12.1                     | 2.70          | 17.0                     | 2.35          | 20.3                     | 1.85          | 22.1                     | 1.50          |
| 80.0               | 10.8                     | 2.70          | 16.3                     | 2.70          | 20.6                     | 2.20          | 23.5                     | 1.75          | 25.1                     | 1.45          |
| 77.0               | 14.4                     | 2.70          | 19.9                     | 2.70          | 23.6                     | 2.10          | 26.2                     | 1.70          | 27.6                     | 1.45          |
| 75.0               | 16.9                     | 2.70          | 22.0                     | 2.60          | 25.5                     | 2.00          | 28.0                     | 1.70          | 29.2                     | 1.40          |
| 72.0               | 20.6                     | 2.70          | 25.2                     | 2.40          | 28.4                     | 1.90          | 30.6                     | 1.60          | 31.5                     | 1.40          |
| 70.0               | 22.9                     | 2.70          | 27.2                     | 2.30          | 30.3                     | 1.85          | 32.3                     | 1.60          | 33.0                     | 1.40          |
| 67.0               | 26.4                     | 2.70          | 30.1                     | 2.15          | 32.9                     | 1.75          | 34.7                     | 1.55          | 35.2                     | 1.40          |
| 65.0               | 28.5                     | 2.65          | 31.9                     | 2.10          | 34.6                     | 1.70          | 36.2                     | 1.55          |                          |               |
| 62.0               | 31.5                     | 2.40          | 34.6                     | 1.95          | 37.1                     | 1.70          | 38.5                     | 1.55          |                          |               |
| 60.0               | 33.0                     | 2.10          | 36.3                     | 1.80          | 38.7                     | 1.65          | 39.9                     | 1.55          |                          |               |
| 57.0               | 35.5                     | 1.60          | 38.5                     | 1.40          | 40.7                     | 1.35          | 41.8                     | 1.30          |                          |               |
| 55.0               | 37.0                     | 1.35          | 39.9                     | 1.20          | 42.0                     | 1.15          | 43.0                     | 1.10          |                          |               |
| 53.0               | 38.6                     | 1.10          | 41.3                     | 1.00          | 43.3                     | 0.95          | 44.1                     | 0.95          |                          |               |
| 52.0               | 39.3                     | 0.95          | 41.9                     | 0.90          | 43.9                     | 0.85          |                          |               |                          |               |
| 50.0               | 40.7                     | 0.70          | 43.2                     | 0.65          | 45.1                     | 0.65          |                          |               |                          |               |
| 49.0               | 41.4                     | 0.60          | 43.9                     | 0.55          | 45.6                     | 0.55          |                          |               |                          |               |
| 48.0               | 42.0                     | 0.50          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 47                       |               | 48                       |               | 48                       |               | 51                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SB3

Outriggers intermediately extended (5.0m) over side, with 21.8ton counterweight mounted to crane  
40.5m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 2.70          | 12.1                     | 2.70          | 17.0                     | 2.35          | 20.3                     | 1.85          | 22.1                     | 1.50          |
| 80.0               | 10.8                     | 2.70          | 16.3                     | 2.70          | 20.6                     | 2.20          | 23.5                     | 1.75          | 25.1                     | 1.45          |
| 77.0               | 14.4                     | 2.70          | 19.9                     | 2.70          | 23.6                     | 2.10          | 26.2                     | 1.70          | 27.6                     | 1.45          |
| 75.0               | 16.9                     | 2.70          | 22.0                     | 2.60          | 25.5                     | 2.00          | 28.0                     | 1.70          | 29.2                     | 1.40          |
| 72.0               | 20.6                     | 2.70          | 25.2                     | 2.40          | 28.4                     | 1.90          | 30.6                     | 1.60          | 31.5                     | 1.40          |
| 70.0               | 22.9                     | 2.70          | 27.2                     | 2.30          | 30.3                     | 1.85          | 32.3                     | 1.60          | 33.0                     | 1.40          |
| 67.0               | 26.4                     | 2.70          | 30.1                     | 2.15          | 32.9                     | 1.75          | 34.7                     | 1.55          | 35.2                     | 1.40          |
| 65.0               | 28.2                     | 2.35          | 31.9                     | 1.95          | 34.6                     | 1.70          | 36.2                     | 1.55          |                          |               |
| 62.0               | 30.7                     | 1.75          | 34.1                     | 1.55          | 36.9                     | 1.35          | 38.4                     | 1.35          |                          |               |
| 60.0               | 32.4                     | 1.45          | 35.6                     | 1.25          | 38.2                     | 1.15          | 39.6                     | 1.15          |                          |               |
| 58.0               | 34.0                     | 1.15          | 37.1                     | 0.95          | 39.6                     | 0.90          | 40.8                     | 0.90          |                          |               |
| 57.0               | 34.7                     | 1.00          | 37.9                     | 0.85          | 40.2                     | 0.80          |                          |               |                          |               |
| 56.0               | 35.5                     | 0.85          | 38.6                     | 0.70          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 55                       |               | 55                       |               | 56                       |               | 56                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SB4

Outriggers intermediately extended (4.2m) over side, with 21.8ton counterweight mounted to crane  
40.5m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 2.70          | 12.1                     | 2.70          | 17.0                     | 2.35          | 20.3                     | 1.85          | 22.1                     | 1.50          |
| 80.0               | 10.8                     | 2.70          | 16.3                     | 2.70          | 20.6                     | 2.20          | 23.5                     | 1.75          | 25.1                     | 1.45          |
| 77.0               | 14.4                     | 2.70          | 19.9                     | 2.70          | 23.6                     | 2.10          | 26.2                     | 1.70          | 27.6                     | 1.45          |
| 75.0               | 16.9                     | 2.70          | 22.0                     | 2.60          | 25.5                     | 2.00          | 28.0                     | 1.70          | 29.2                     | 1.40          |
| 72.0               | 20.6                     | 2.70          | 25.2                     | 2.40          | 28.4                     | 1.90          | 30.6                     | 1.60          | 31.5                     | 1.40          |
| 70.0               | 22.9                     | 2.70          | 27.2                     | 2.30          | 30.3                     | 1.85          | 32.3                     | 1.60          | 33.0                     | 1.40          |
| 67.0               | 25.9                     | 2.25          | 29.7                     | 1.85          | 32.8                     | 1.60          | 34.7                     | 1.55          | 35.2                     | 1.40          |
| 65.0               | 27.7                     | 1.80          | 31.3                     | 1.50          | 34.2                     | 1.35          | 36.1                     | 1.25          |                          |               |
| 64.0               | 28.5                     | 1.60          | 32.1                     | 1.30          | 34.9                     | 1.15          | 36.8                     | 1.10          |                          |               |
| 63.0               | 29.4                     | 1.40          | 32.9                     | 1.15          | 35.6                     | 1.00          |                          |               |                          |               |
| 62.0               | 30.2                     | 1.20          | 33.6                     | 0.95          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 61                       |               | 61                       |               | 62                       |               | 62                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SB1**

 Outriggers fully extended (7.2m) 360° full range, with 21.8ton counterweight mounted to crane  
 47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 6.4               | 4.50  | 8.0               | 4.50  | 10.2              | 4.50  | 11.9              | 4.50  | 12.9              | 4.50  |
| 80.0               | 10.6              | 4.50  | 12.3              | 4.50  | 14.2              | 4.50  | 15.7              | 4.50  | 16.6              | 4.50  |
| 77.0               | 14.1              | 4.50  | 15.7              | 4.50  | 17.5              | 4.50  | 18.9              | 4.50  | 19.5              | 4.50  |
| 75.0               | 16.5              | 4.50  | 18.0              | 4.50  | 19.7              | 4.50  | 20.9              | 4.50  | 21.5              | 4.50  |
| 72.0               | 19.9              | 4.50  | 21.2              | 4.50  | 22.9              | 4.50  | 24.0              | 4.50  | 24.4              | 4.50  |
| 70.0               | 22.1              | 4.50  | 23.2              | 4.50  | 24.9              | 4.50  | 25.9              | 4.50  | 26.2              | 4.35  |
| 68.0               | 24.3              | 4.50  | 25.3              | 4.50  | 27.0              | 4.40  | 27.6              | 4.30  | 28.1              | 3.30  |
| 67.0               | 25.4              | 4.50  | 26.5              | 4.35  | 27.9              | 4.05  | 28.4              | 4.00  |                   |       |
| 65.0               | 27.3              | 3.85  | 28.1              | 3.75  | 29.2              | 3.60  | 30.0              | 3.45  |                   |       |
| 62.0               | 29.3              | 3.20  | 30.4              | 3.00  | 31.5              | 2.90  | 31.9              | 2.90  |                   |       |
| 60.0               | 30.9              | 2.75  | 31.9              | 2.60  | 32.9              | 2.50  | 33.3              | 2.50  |                   |       |
| 57.0               | 33.2              | 2.15  | 34.1              | 2.05  | 35.0              | 2.00  | 35.3              | 2.00  |                   |       |
| 55.0               | 34.7              | 1.80  | 35.5              | 1.80  | 36.3              | 1.75  | 36.7              | 1.70  |                   |       |
| 52.0               | 36.8              | 1.40  | 37.5              | 1.40  | 38.3              | 1.35  |                   |       |                   |       |
| 50.0               | 38.1              | 1.20  | 38.9              | 1.15  | 39.6              | 1.10  |                   |       |                   |       |
| 47.0               | 40.0              | 0.80  | 40.8              | 0.80  | 41.3              | 0.80  |                   |       |                   |       |
| 45.0               | 41.3              | 0.55  | 41.9              | 0.55  | 42.4              | 0.55  |                   |       |                   |       |
| Min. boom angle(°) | 44                |       | 44                |       | 44                |       | 51                |       | 64                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |

**Specification SB2**

 Outriggers intermediately extended (6.0m) over side, with 21.8ton counterweight mounted to crane  
 47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 6.4               | 4.50  | 8.0               | 4.50  | 10.2              | 4.50  | 11.9              | 4.50  | 12.9              | 4.50  |
| 80.0               | 10.6              | 4.50  | 12.3              | 4.50  | 14.2              | 4.50  | 15.7              | 4.50  | 16.6              | 4.50  |
| 77.0               | 14.1              | 4.50  | 15.7              | 4.50  | 17.5              | 4.50  | 18.9              | 4.50  | 19.5              | 4.50  |
| 75.0               | 16.5              | 4.50  | 18.0              | 4.50  | 19.7              | 4.50  | 20.9              | 4.50  | 21.5              | 4.50  |
| 72.0               | 19.9              | 4.50  | 21.2              | 4.50  | 22.9              | 4.50  | 24.0              | 4.50  | 24.4              | 4.50  |
| 70.0               | 22.1              | 4.50  | 23.2              | 4.50  | 24.9              | 4.05  | 25.5              | 3.95  | 26.2              | 3.75  |
| 68.0               | 23.9              | 3.95  | 25.0              | 3.70  | 26.2              | 3.55  | 27.0              | 3.40  | 28.1              | 3.10  |
| 67.0               | 24.8              | 3.60  | 25.9              | 3.40  | 27.0              | 3.25  | 27.7              | 3.15  |                   |       |
| 65.0               | 26.4              | 3.05  | 27.4              | 2.90  | 28.6              | 2.70  | 29.2              | 2.70  |                   |       |
| 62.0               | 28.6              | 2.35  | 29.7              | 2.20  | 30.9              | 2.10  | 31.4              | 2.05  |                   |       |
| 60.0               | 30.3              | 1.90  | 31.2              | 1.85  | 32.4              | 1.75  | 32.8              | 1.75  |                   |       |
| 57.0               | 32.6              | 1.40  | 33.5              | 1.35  | 34.5              | 1.30  | 34.8              | 1.30  |                   |       |
| 55.0               | 34.1              | 1.05  | 35.0              | 1.05  | 35.9              | 1.00  | 36.1              | 1.00  |                   |       |
| 54.0               | 34.9              | 0.85  | 35.6              | 0.85  | 36.6              | 0.85  |                   |       |                   |       |
| Min. boom angle(°) | 53                |       | 53                |       | 53                |       | 53                |       | 64                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |

**Specification SB3**

 Outriggers intermediately extended (5.0m) over side, with 21.8ton counterweight mounted to crane  
 47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 6.4               | 4.50  | 8.0               | 4.50  | 10.2              | 4.50  | 11.9              | 4.50  | 12.9              | 4.50  |
| 80.0               | 10.6              | 4.50  | 12.3              | 4.50  | 14.2              | 4.50  | 15.7              | 4.50  | 16.6              | 4.50  |
| 77.0               | 14.1              | 4.50  | 15.7              | 4.50  | 17.5              | 4.50  | 18.9              | 4.50  | 19.5              | 4.50  |
| 75.0               | 16.5              | 4.50  | 18.0              | 4.50  | 19.7              | 4.50  | 20.9              | 4.50  | 21.5              | 4.50  |
| 72.0               | 19.9              | 4.50  | 21.2              | 4.25  | 22.6              | 3.95  | 23.5              | 3.75  | 24.3              | 3.55  |
| 70.0               | 21.7              | 3.75  | 22.9              | 3.50  | 24.2              | 3.25  | 25.0              | 3.15  | 26.2              | 2.85  |
| 68.0               | 23.4              | 3.05  | 24.5              | 2.90  | 25.7              | 2.70  | 26.6              | 2.60  | 28.0              | 2.25  |
| 67.0               | 24.2              | 2.75  | 25.3              | 2.60  | 26.5              | 2.45  | 27.3              | 2.40  |                   |       |
| 65.0               | 25.8              | 2.25  | 26.9              | 2.15  | 28.1              | 2.00  | 28.7              | 1.95  |                   |       |
| 62.0               | 28.1              | 1.65  | 29.2              | 1.50  | 30.4              | 1.45  | 30.9              | 1.45  |                   |       |
| 61.0               | 28.9              | 1.40  | 30.0              | 1.35  | 31.2              | 1.25  | 31.6              | 1.25  |                   |       |
| Min. boom angle(°) | 60                |       | 60                |       | 60                |       | 60                |       | 64                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |

**Specification SB4**

 Outriggers intermediately extended (4.2m) over side, with 21.8ton counterweight mounted to crane  
 47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 6.4               | 4.50  | 8.0               | 4.50  | 10.2              | 4.50  | 11.9              | 4.50  | 12.9              | 4.50  |
| 80.0               | 10.6              | 4.50  | 12.3              | 4.50  | 14.2              | 4.50  | 15.7              | 4.50  | 16.6              | 4.50  |
| 77.0               | 14.1              | 4.50  | 15.7              | 4.50  | 17.5              | 4.50  | 18.9              | 4.50  | 19.5              | 4.50  |
| 75.0               | 16.5              | 4.50  | 18.0              | 4.50  | 19.7              | 4.30  | 20.7              | 4.10  | 21.2              | 4.00  |
| 72.0               | 19.5              | 3.80  | 20.8              | 3.45  | 22.1              | 3.20  | 23.1              | 3.05  | 23.4              | 3.05  |
| 70.0               | 21.2              | 3.05  | 22.5              | 2.75  | 23.7              | 2.60  | 24.6              | 2.50  | 24.9              | 2.50  |
| 68.0               | 22.9              | 2.40  | 24.1              | 2.20  | 25.3              | 2.10  | 26.2              | 2.00  | 26.4              | 2.00  |
| 67.0               | 23.8              | 2.10  | 24.9              | 1.95  | 26.1              | 1.85  | 26.9              | 1.80  |                   |       |
| 66.0               | 24.6              | 1.85  | 25.7              | 1.75  | 26.9              | 1.65  | 27.7              | 1.55  |                   |       |
| Min. boom angle(°) | 65                |       | 65                |       | 65                |       | 65                |       | 66                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SB1

Outriggers fully extended (7.2m) 360° full range, with 21.8ton counterweight mounted to crane  
47.9m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.0                   | 3.20          | 10.8                  | 3.20          | 14.5                  | 3.20          | 17.0                  | 3.10          | 18.3                  | 2.45          |
| 80.0               | 11.7                  | 3.20          | 15.4                  | 3.20          | 18.9                  | 3.20          | 20.9                  | 2.90          | 21.9                  | 2.40          |
| 77.0               | 15.7                  | 3.20          | 19.2                  | 3.20          | 22.4                  | 3.20          | 24.1                  | 2.75          | 24.8                  | 2.35          |
| 75.0               | 18.3                  | 3.20          | 21.6                  | 3.20          | 24.7                  | 3.15          | 26.1                  | 2.70          | 26.7                  | 2.35          |
| 72.0               | 22.1                  | 3.20          | 25.2                  | 3.20          | 27.8                  | 3.05          | 29.0                  | 2.65          | 29.5                  | 2.35          |
| 70.0               | 24.5                  | 3.20          | 27.6                  | 3.20          | 29.8                  | 2.95          | 31.0                  | 2.60          | 31.3                  | 2.30          |
| 68.0               | 26.9                  | 3.20          | 29.9                  | 3.20          | 31.7                  | 2.85          | 32.8                  | 2.60          | 33.1                  | 2.25          |
| 67.0               | 28.0                  | 3.20          | 30.8                  | 3.15          | 32.7                  | 2.80          | 33.7                  | 2.60          |                       |               |
| 65.0               | 30.3                  | 3.20          | 32.6                  | 3.05          | 34.6                  | 2.75          | 35.5                  | 2.55          |                       |               |
| 62.0               | 33.0                  | 2.65          | 35.0                  | 2.45          | 37.2                  | 2.25          | 38.0                  | 2.20          |                       |               |
| 60.0               | 34.7                  | 2.25          | 36.6                  | 2.15          | 38.3                  | 2.05          | 39.2                  | 1.95          |                       |               |
| 57.0               | 37.1                  | 1.80          | 39.0                  | 1.65          | 40.6                  | 1.60          | 41.1                  | 1.60          |                       |               |
| 55.0               | 38.7                  | 1.50          | 40.6                  | 1.40          | 42.0                  | 1.35          | 42.4                  | 1.40          |                       |               |
| 52.0               | 41.0                  | 1.15          | 42.8                  | 1.10          | 44.0                  | 1.05          |                       |               |                       |               |
| 50.0               | 42.4                  | 0.90          | 44.2                  | 0.90          | 45.3                  | 0.85          |                       |               |                       |               |
| 48.0               | 43.8                  | 0.70          | 45.5                  | 0.65          | 46.6                  | 0.65          |                       |               |                       |               |
| 47.0               | 44.5                  | 0.60          | 46.1                  | 0.55          |                       |               |                       |               |                       |               |
| 46.0               | 45.1                  | 0.50          |                       |               |                       |               |                       |               |                       |               |
| Min. boom angle(°) | 45                    |               | 46                    |               | 46                    |               | 51                    |               | 64                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |

### Specification SB2

Outriggers intermediately extended (6.0m) over side, with 21.8ton counterweight mounted to crane  
47.9m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.0                   | 3.20          | 10.8                  | 3.20          | 14.5                  | 3.20          | 17.0                  | 3.10          | 18.3                  | 2.45          |
| 80.0               | 11.7                  | 3.20          | 15.4                  | 3.20          | 18.9                  | 3.20          | 20.9                  | 2.90          | 21.9                  | 2.40          |
| 77.0               | 15.7                  | 3.20          | 19.2                  | 3.20          | 22.4                  | 3.20          | 24.1                  | 2.75          | 24.8                  | 2.35          |
| 75.0               | 18.3                  | 3.20          | 21.6                  | 3.20          | 24.7                  | 3.15          | 26.1                  | 2.70          | 26.7                  | 2.35          |
| 72.0               | 22.1                  | 3.20          | 25.2                  | 3.20          | 27.8                  | 3.05          | 29.0                  | 2.65          | 29.5                  | 2.35          |
| 70.0               | 24.5                  | 3.20          | 27.6                  | 3.20          | 29.8                  | 2.95          | 31.0                  | 2.60          | 31.3                  | 2.30          |
| 68.0               | 26.9                  | 3.20          | 29.9                  | 2.80          | 31.7                  | 2.65          | 32.8                  | 2.60          | 33.1                  | 2.25          |
| 67.0               | 28.0                  | 3.00          | 30.4                  | 2.65          | 32.4                  | 2.50          | 33.7                  | 2.40          |                       |               |
| 65.0               | 29.6                  | 2.55          | 31.8                  | 2.35          | 33.9                  | 2.15          | 35.0                  | 2.10          |                       |               |
| 62.0               | 32.1                  | 1.95          | 34.3                  | 1.75          | 36.2                  | 1.65          | 37.3                  | 1.60          |                       |               |
| 60.0               | 33.8                  | 1.55          | 35.9                  | 1.45          | 37.7                  | 1.35          | 38.7                  | 1.30          |                       |               |
| 57.0               | 36.4                  | 1.15          | 38.3                  | 1.05          | 40.0                  | 1.00          | 40.6                  | 1.00          |                       |               |
| 56.0               | 37.2                  | 0.95          | 39.1                  | 0.90          | 40.7                  | 0.85          | 41.2                  | 0.85          |                       |               |
| 55.0               | 38.0                  | 0.80          | 39.8                  | 0.75          |                       |               |                       |               |                       |               |
| Min. boom angle(°) | 54                    |               | 54                    |               | 54                    |               | 54                    |               | 64                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |

### Specification SB3

Outriggers intermediately extended (5.0m) over side, with 21.8ton counterweight mounted to crane  
47.9m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.0                   | 3.20          | 10.8                  | 3.20          | 14.5                  | 3.20          | 17.0                  | 3.10          | 18.3                  | 2.45          |
| 80.0               | 11.7                  | 3.20          | 15.4                  | 3.20          | 18.9                  | 3.20          | 20.9                  | 2.90          | 21.9                  | 2.40          |
| 77.0               | 15.7                  | 3.20          | 19.2                  | 3.20          | 22.4                  | 3.20          | 24.1                  | 2.75          | 24.8                  | 2.35          |
| 75.0               | 18.3                  | 3.20          | 21.6                  | 3.20          | 24.7                  | 3.15          | 26.1                  | 2.70          | 26.7                  | 2.35          |
| 72.0               | 22.1                  | 3.20          | 25.2                  | 3.20          | 27.8                  | 2.90          | 29.0                  | 2.65          | 29.5                  | 2.35          |
| 70.0               | 24.5                  | 3.10          | 27.1                  | 2.70          | 29.3                  | 2.45          | 30.7                  | 2.35          | 31.3                  | 2.30          |
| 68.0               | 26.2                  | 2.55          | 28.8                  | 2.25          | 31.0                  | 2.05          | 32.3                  | 1.95          | 33.0                  | 1.90          |
| 67.0               | 27.1                  | 2.30          | 29.6                  | 2.05          | 31.8                  | 1.85          | 33.0                  | 1.80          |                       |               |
| 65.0               | 28.9                  | 1.85          | 31.2                  | 1.65          | 33.4                  | 1.50          | 34.6                  | 1.45          |                       |               |
| 64.0               | 29.8                  | 1.65          | 32.0                  | 1.50          | 34.1                  | 1.40          | 35.3                  | 1.35          |                       |               |
| 62.0               | 31.5                  | 1.30          | 33.6                  | 1.20          |                       |               |                       |               |                       |               |
| Min. boom angle(°) | 61                    |               | 61                    |               | 62                    |               | 62                    |               | 64                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |

### Specification SB4

Outriggers intermediately extended (4.2m) over side, with 21.8ton counterweight mounted to crane  
47.9m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.0                   | 3.20          | 10.8                  | 3.20          | 14.5                  | 3.20          | 17.0                  | 3.10          | 18.3                  | 2.45          |
| 80.0               | 11.7                  | 3.20          | 15.4                  | 3.20          | 18.9                  | 3.20          | 20.9                  | 2.90          | 21.9                  | 2.40          |
| 77.0               | 15.7                  | 3.20          | 19.2                  | 3.20          | 22.4                  | 3.20          | 24.1                  | 2.75          | 24.8                  | 2.35          |
| 75.0               | 18.3                  | 3.20          | 21.6                  | 3.20          | 24.7                  | 3.15          | 26.1                  | 2.70          | 26.7                  | 2.35          |
| 72.0               | 22.1                  | 3.10          | 24.7                  | 2.70          | 27.1                  | 2.40          | 28.7                  | 2.25          | 29.5                  | 2.15          |
| 71.0               | 22.9                  | 2.80          | 25.6                  | 2.40          | 28.0                  | 2.15          | 29.4                  | 2.05          | 30.2                  | 2.00          |
| 70.0               | 23.8                  | 2.50          | 26.5                  | 2.15          | 28.8                  | 1.95          | 30.2                  | 1.85          |                       |               |
| 69.0               | 24.8                  | 2.20          | 27.3                  | 1.95          | 29.6                  | 1.75          | 31.0                  | 1.70          |                       |               |
| 67.0               | 26.6                  | 1.75          | 29.0                  | 1.55          |                       |               |                       |               |                       |               |
| Min. boom angle(°) | 66                    |               | 66                    |               | 67                    |               | 67                    |               | 67                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |

**Specification SB1**

 Outriggers fully extended (7.2m) 360° full range, with 21.8ton counterweight mounted to crane  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 7.5               | 2.20  | 13.5              | 2.20  | 18.5              | 2.20  | 22.0              | 1.80  | 23.9              | 1.45  |
| 80.0               | 13.1              | 2.20  | 18.5              | 2.20  | 23.1              | 2.10  | 26.0              | 1.70  | 27.5              | 1.45  |
| 77.0               | 17.6              | 2.20  | 22.6              | 2.20  | 26.6              | 2.00  | 29.3              | 1.65  | 30.5              | 1.40  |
| 75.0               | 20.5              | 2.20  | 25.2              | 2.20  | 28.9              | 1.90  | 31.3              | 1.60  | 32.3              | 1.40  |
| 72.0               | 24.7              | 2.20  | 29.1              | 2.20  | 32.3              | 1.80  | 34.3              | 1.55  | 35.1              | 1.40  |
| 70.0               | 27.5              | 2.20  | 31.7              | 2.20  | 34.5              | 1.75  | 36.3              | 1.55  | 36.9              | 1.35  |
| 68.0               | 30.0              | 2.20  | 33.9              | 2.10  | 36.5              | 1.70  | 38.2              | 1.55  | 38.6              | 1.30  |
| 67.0               | 31.3              | 2.20  | 34.9              | 2.05  | 37.5              | 1.70  | 39.2              | 1.55  |                   |       |
| 65.0               | 33.7              | 2.20  | 37.0              | 1.90  | 39.4              | 1.70  | 41.0              | 1.50  |                   |       |
| 62.0               | 37.3              | 2.15  | 40.1              | 1.80  | 42.2              | 1.60  | 43.5              | 1.50  |                   |       |
| 60.0               | 38.9              | 1.85  | 42.1              | 1.65  | 44.1              | 1.60  | 45.1              | 1.50  |                   |       |
| 57.0               | 41.4              | 1.45  | 44.3              | 1.30  | 46.3              | 1.25  | 47.3              | 1.25  |                   |       |
| 55.0               | 43.0              | 1.25  | 45.8              | 1.15  | 47.8              | 1.10  | 48.7              | 1.05  |                   |       |
| 52.0               | 45.5              | 0.90  | 48.0              | 0.85  | 49.8              | 0.85  |                   |       |                   |       |
| 50.0               | 47.0              | 0.70  | 49.4              | 0.65  | 51.0              | 0.65  |                   |       |                   |       |
| 49.0               | 47.8              | 0.60  | 50.0              | 0.55  | 51.6              | 0.55  |                   |       |                   |       |
| 48.0               | 48.5              | 0.50  | 50.7              | 0.50  |                   |       |                   |       |                   |       |
| Min. boom angle(°) | 47                |       | 47                |       | 47                |       | 51                |       | 64                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |

**Specification SB2**

 Outriggers intermediately extended (6.0m) over side, with 21.8ton counterweight mounted to crane  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 7.5               | 2.20  | 13.5              | 2.20  | 18.5              | 2.20  | 22.0              | 1.80  | 23.9              | 1.45  |
| 80.0               | 13.1              | 2.20  | 18.5              | 2.20  | 23.1              | 2.10  | 26.0              | 1.70  | 27.5              | 1.45  |
| 77.0               | 17.6              | 2.20  | 22.6              | 2.20  | 26.6              | 2.00  | 29.3              | 1.65  | 30.5              | 1.40  |
| 75.0               | 20.5              | 2.20  | 25.2              | 2.20  | 28.9              | 1.90  | 31.3              | 1.60  | 32.3              | 1.40  |
| 72.0               | 24.7              | 2.20  | 29.1              | 2.20  | 32.3              | 1.80  | 34.3              | 1.55  | 35.1              | 1.40  |
| 70.0               | 27.5              | 2.20  | 31.7              | 2.20  | 34.5              | 1.75  | 36.3              | 1.55  | 36.9              | 1.35  |
| 68.0               | 30.0              | 2.20  | 33.9              | 2.10  | 36.5              | 1.70  | 38.2              | 1.55  | 38.6              | 1.30  |
| 67.0               | 31.3              | 2.20  | 34.9              | 2.05  | 37.5              | 1.70  | 39.2              | 1.55  |                   |       |
| 65.0               | 33.7              | 2.00  | 37.0              | 1.75  | 39.4              | 1.70  | 41.0              | 1.50  |                   |       |
| 62.0               | 36.1              | 1.55  | 39.4              | 1.35  | 41.8              | 1.30  | 43.2              | 1.25  |                   |       |
| 60.0               | 37.9              | 1.25  | 41.0              | 1.15  | 43.3              | 1.10  | 44.6              | 1.05  |                   |       |
| 59.0               | 38.7              | 1.15  | 41.7              | 1.00  | 44.1              | 0.95  |                   |       |                   |       |
| 58.0               | 39.5              | 1.00  | 42.5              | 0.90  |                   |       |                   |       |                   |       |
| 57.0               | 40.3              | 0.85  |                   |       |                   |       |                   |       |                   |       |
| Min. boom angle(°) | 56                |       | 57                |       | 57                |       | 57                |       | 64                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |

**Specification SB3**

 Outriggers intermediately extended (5.0m) over side, with 21.8ton counterweight mounted to crane  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 7.5               | 2.20  | 13.5              | 2.20  | 18.5              | 2.20  | 22.0              | 1.80  | 23.9              | 1.45  |
| 80.0               | 13.1              | 2.20  | 18.5              | 2.20  | 23.1              | 2.10  | 26.0              | 1.70  | 27.5              | 1.45  |
| 77.0               | 17.6              | 2.20  | 22.6              | 2.20  | 26.6              | 2.00  | 29.3              | 1.65  | 30.5              | 1.40  |
| 75.0               | 20.5              | 2.20  | 25.2              | 2.20  | 28.9              | 1.90  | 31.3              | 1.60  | 32.3              | 1.40  |
| 72.0               | 24.7              | 2.20  | 29.1              | 2.20  | 32.3              | 1.80  | 34.3              | 1.55  | 35.1              | 1.40  |
| 70.0               | 27.5              | 2.20  | 31.7              | 2.10  | 34.5              | 1.75  | 36.3              | 1.55  | 36.9              | 1.35  |
| 68.0               | 30.0              | 2.00  | 33.4              | 1.75  | 36.4              | 1.55  | 38.2              | 1.50  | 38.6              | 1.30  |
| 67.0               | 30.7              | 1.85  | 34.3              | 1.55  | 37.1              | 1.45  | 38.9              | 1.40  |                   |       |
| 66.0               | 31.6              | 1.65  | 35.1              | 1.45  | 37.9              | 1.30  | 39.7              | 1.25  |                   |       |
| 65.0               | 32.5              | 1.50  | 35.9              | 1.30  | 38.7              | 1.20  |                   |       |                   |       |
| 64.0               | 33.4              | 1.35  | 36.7              | 1.15  |                   |       |                   |       |                   |       |
| Min. boom angle(°) | 63                |       | 63                |       | 63                |       | 63                |       | 64                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |

**Specification SB4**

 Outriggers intermediately extended (4.2m) over side, with 21.8ton counterweight mounted to crane  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 7.5               | 2.20  | 13.5              | 2.20  | 18.5              | 2.20  | 22.0              | 1.80  | 23.9              | 1.45  |
| 80.0               | 13.1              | 2.20  | 18.5              | 2.20  | 23.1              | 2.10  | 26.0              | 1.70  | 27.5              | 1.45  |
| 77.0               | 17.6              | 2.20  | 22.6              | 2.20  | 26.6              | 2.00  | 29.3              | 1.65  | 30.5              | 1.40  |
| 75.0               | 20.5              | 2.20  | 25.2              | 2.20  | 28.9              | 1.90  | 31.3              | 1.60  | 32.3              | 1.40  |
| 72.0               | 24.7              | 2.20  | 28.9              | 2.10  | 32.3              | 1.80  | 34.3              | 1.55  | 35.1              | 1.40  |
| 71.0               | 26.1              | 2.20  | 29.9              | 1.85  | 33.1              | 1.65  | 35.3              | 1.55  |                   |       |
| 70.0               | 27.0              | 2.05  | 30.8              | 1.70  | 34.0              | 1.50  |                   |       |                   |       |
| 69.0               | 28.1              | 1.75  | 31.7              | 1.50  |                   |       |                   |       |                   |       |
| Min. boom angle(°) | 68                |       | 68                |       | 68                |       | 68                |       | 68                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SB1

Outriggers fully extended (7.2m) 360° full range, with 21.8ton counterweight mounted to crane  
51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.9                      | 4.10          | 8.5                      | 4.10          | 10.9                     | 4.10          | 12.6                     | 4.10          | 13.7                     | 4.10          |
| 80.0               | 11.6                     | 4.10          | 13.3                     | 4.10          | 15.3                     | 4.10          | 16.9                     | 4.10          | 17.6                     | 4.10          |
| 77.0               | 15.6                     | 4.10          | 17.2                     | 4.10          | 19.0                     | 4.10          | 20.4                     | 4.10          | 21.0                     | 4.10          |
| 75.0               | 18.2                     | 4.10          | 19.6                     | 4.10          | 21.4                     | 4.10          | 22.6                     | 4.10          | 23.1                     | 4.10          |
| 72.0               | 21.8                     | 4.10          | 23.3                     | 4.10          | 24.8                     | 4.00          | 25.8                     | 3.85          | 26.0                     | 3.80          |
| 70.0               | 24.3                     | 4.10          | 25.4                     | 4.05          | 26.7                     | 3.80          | 27.6                     | 3.60          | 27.8                     | 3.55          |
| 69.0               | 25.4                     | 4.10          | 26.5                     | 3.95          | 27.7                     | 3.65          | 28.5                     | 3.45          | 28.6                     | 3.45          |
| 67.0               | 27.5                     | 3.75          | 28.5                     | 3.55          | 29.6                     | 3.30          | 30.3                     | 3.20          |                          |               |
| 65.0               | 29.3                     | 3.15          | 30.4                     | 3.00          | 31.4                     | 2.90          | 32.0                     | 2.85          |                          |               |
| 62.0               | 31.7                     | 2.45          | 33.0                     | 2.30          | 33.9                     | 2.25          | 34.4                     | 2.20          |                          |               |
| 60.0               | 33.3                     | 2.10          | 34.2                     | 2.00          | 35.2                     | 1.95          | 35.7                     | 1.90          |                          |               |
| 57.0               | 35.6                     | 1.60          | 36.4                     | 1.55          | 37.4                     | 1.45          | 37.8                     | 1.45          |                          |               |
| 55.0               | 37.2                     | 1.30          | 37.9                     | 1.25          | 38.9                     | 1.20          | 39.1                     | 1.20          |                          |               |
| 52.0               | 39.4                     | 0.85          | 40.1                     | 0.85          | 40.9                     | 0.85          |                          |               |                          |               |
| 50.0               | 40.8                     | 0.60          | 41.5                     | 0.60          | 42.2                     | 0.60          |                          |               |                          |               |
| Min. boom angle(°) | 49                       |               | 49                       |               | 49                       |               | 51                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SB2

Outriggers intermediately extended (6.0m) over side, with 21.8ton counterweight mounted to crane  
51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.9                      | 4.10          | 8.5                      | 4.10          | 10.9                     | 4.10          | 12.6                     | 4.10          | 13.7                     | 4.10          |
| 80.0               | 11.6                     | 4.10          | 13.3                     | 4.10          | 15.3                     | 4.10          | 16.9                     | 4.10          | 17.6                     | 4.10          |
| 77.0               | 15.6                     | 4.10          | 17.2                     | 4.10          | 19.0                     | 4.10          | 20.4                     | 4.10          | 21.0                     | 4.10          |
| 75.0               | 18.2                     | 4.10          | 19.6                     | 4.10          | 21.4                     | 4.10          | 22.6                     | 4.10          | 23.1                     | 4.10          |
| 72.0               | 21.8                     | 4.10          | 23.3                     | 4.10          | 24.8                     | 4.00          | 25.8                     | 3.85          | 26.0                     | 3.80          |
| 70.0               | 24.3                     | 3.75          | 25.1                     | 3.65          | 26.5                     | 3.40          | 27.4                     | 3.25          | 27.8                     | 3.15          |
| 69.0               | 24.9                     | 3.50          | 25.9                     | 3.35          | 27.3                     | 3.10          | 28.1                     | 3.00          | 28.3                     | 3.00          |
| 67.0               | 26.6                     | 2.90          | 27.6                     | 2.80          | 29.0                     | 2.55          | 29.7                     | 2.50          |                          |               |
| 65.0               | 28.4                     | 2.35          | 29.4                     | 2.25          | 30.6                     | 2.15          | 31.3                     | 2.10          |                          |               |
| 62.0               | 30.9                     | 1.75          | 31.8                     | 1.65          | 32.9                     | 1.60          | 33.6                     | 1.50          |                          |               |
| 60.0               | 32.6                     | 1.35          | 33.4                     | 1.35          | 34.6                     | 1.25          | 35.1                     | 1.20          |                          |               |
| 59.0               | 33.4                     | 1.15          | 34.2                     | 1.15          | 35.4                     | 1.10          |                          |               |                          |               |
| Min. boom angle(°) | 58                       |               | 58                       |               | 58                       |               | 58                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SB3

Outriggers intermediately extended (5.0m) over side, with 21.8ton counterweight mounted to crane  
51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.9                      | 4.10          | 8.5                      | 4.10          | 10.9                     | 4.10          | 12.6                     | 4.10          | 13.7                     | 4.10          |
| 80.0               | 11.6                     | 4.10          | 13.3                     | 4.10          | 15.3                     | 4.10          | 16.9                     | 4.10          | 17.6                     | 4.10          |
| 77.0               | 15.6                     | 4.10          | 17.2                     | 4.10          | 19.0                     | 4.10          | 20.4                     | 4.10          | 21.0                     | 4.10          |
| 75.0               | 18.2                     | 4.10          | 19.6                     | 4.10          | 21.4                     | 4.10          | 22.6                     | 4.10          | 23.1                     | 4.05          |
| 72.0               | 21.6                     | 3.75          | 22.8                     | 3.50          | 24.2                     | 3.25          | 25.1                     | 3.10          | 25.4                     | 3.10          |
| 70.0               | 23.4                     | 3.00          | 24.5                     | 2.85          | 25.9                     | 2.65          | 26.8                     | 2.55          | 27.0                     | 2.55          |
| 69.0               | 24.2                     | 2.70          | 25.3                     | 2.60          | 26.7                     | 2.40          | 27.6                     | 2.30          | 27.8                     | 2.30          |
| 67.0               | 25.9                     | 2.20          | 27.0                     | 2.05          | 28.3                     | 1.90          | 29.1                     | 1.85          |                          |               |
| 66.0               | 26.8                     | 1.95          | 27.8                     | 1.80          | 29.2                     | 1.70          | 29.9                     | 1.65          |                          |               |
| 65.0               | 27.7                     | 1.70          | 28.6                     | 1.65          | 30.0                     | 1.50          |                          |               |                          |               |
| Min. boom angle(°) | 64                       |               | 64                       |               | 64                       |               | 64                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SB4

Outriggers intermediately extended (4.2m) over side, with 21.8ton counterweight mounted to crane  
51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.9                      | 4.10          | 8.5                      | 4.10          | 10.9                     | 4.10          | 12.6                     | 4.10          | 13.7                     | 4.10          |
| 80.0               | 11.6                     | 4.10          | 13.3                     | 4.10          | 15.3                     | 4.10          | 16.9                     | 4.10          | 17.6                     | 4.10          |
| 77.0               | 15.6                     | 4.10          | 17.2                     | 4.10          | 19.0                     | 4.10          | 20.4                     | 4.10          | 21.0                     | 4.10          |
| 75.0               | 18.2                     | 4.10          | 19.6                     | 3.95          | 21.1                     | 3.60          | 22.1                     | 3.45          | 22.6                     | 3.35          |
| 72.0               | 21.0                     | 3.00          | 22.2                     | 2.85          | 23.7                     | 2.55          | 24.6                     | 2.50          | 25.0                     | 2.45          |
| 71.0               | 22.0                     | 2.65          | 23.1                     | 2.50          | 24.5                     | 2.30          | 25.4                     | 2.20          | 25.8                     | 2.15          |
| 70.0               | 22.8                     | 2.30          | 23.9                     | 2.25          | 25.4                     | 2.05          | 26.3                     | 1.95          |                          |               |
| 69.0               | 23.6                     | 2.00          | 24.8                     | 1.95          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 68                       |               | 68                       |               | 69                       |               | 69                       |               | 69                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SB1**

 Outriggers fully extended (7.2m) 360° full range, with 21.8ton counterweight mounted to crane  
 51.3m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.3                   | 3.00          | 11.3                  | 3.00          | 15.2                  | 3.00          | 17.9                  | 3.00          | 19.2                  | 2.40          |
| 80.0               | 12.5                  | 3.00          | 16.2                  | 3.00          | 19.9                  | 3.00          | 22.2                  | 2.85          | 23.0                  | 2.35          |
| 77.0               | 16.9                  | 3.00          | 20.4                  | 3.00          | 23.8                  | 3.00          | 25.6                  | 2.75          | 26.2                  | 2.35          |
| 75.0               | 19.7                  | 3.00          | 23.1                  | 3.00          | 26.3                  | 3.00          | 27.8                  | 2.70          | 28.3                  | 2.30          |
| 72.0               | 23.8                  | 3.00          | 27.0                  | 3.00          | 29.8                  | 2.90          | 31.0                  | 2.60          | 31.3                  | 2.30          |
| 70.0               | 26.5                  | 3.00          | 29.6                  | 3.00          | 31.8                  | 2.70          | 33.0                  | 2.45          | 33.2                  | 2.30          |
| 69.0               | 27.9                  | 3.00          | 30.7                  | 2.90          | 32.7                  | 2.60          | 34.0                  | 2.40          | 34.2                  | 2.25          |
| 67.0               | 30.4                  | 2.95          | 32.8                  | 2.75          | 34.7                  | 2.40          | 35.8                  | 2.25          |                       |               |
| 65.0               | 32.5                  | 2.70          | 34.8                  | 2.45          | 36.5                  | 2.25          | 37.7                  | 2.10          |                       |               |
| 62.0               | 35.2                  | 2.10          | 37.4                  | 1.95          | 39.3                  | 1.80          | 40.2                  | 1.75          |                       |               |
| 60.0               | 37.0                  | 1.70          | 39.1                  | 1.60          | 40.7                  | 1.55          | 41.5                  | 1.50          |                       |               |
| 57.0               | 39.6                  | 1.30          | 41.5                  | 1.20          | 43.2                  | 1.15          | 43.6                  | 1.15          |                       |               |
| 55.0               | 41.2                  | 1.05          | 43.1                  | 1.00          | 44.6                  | 0.95          | 44.9                  | 0.95          |                       |               |
| 53.0               | 42.8                  | 0.80          | 44.6                  | 0.75          | 46.0                  | 0.75          |                       |               |                       |               |
| Min. boom angle(°) | 51                    |               | 51                    |               | 51                    |               | 51                    |               | 65                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |

**Specification SB2**

 Outriggers intermediately extended (6.0m) over side, with 21.8ton counterweight mounted to crane  
 51.3m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.3                   | 3.00          | 11.3                  | 3.00          | 15.2                  | 3.00          | 17.9                  | 3.00          | 19.2                  | 2.40          |
| 80.0               | 12.5                  | 3.00          | 16.2                  | 3.00          | 19.9                  | 3.00          | 22.2                  | 2.85          | 23.0                  | 2.35          |
| 77.0               | 16.9                  | 3.00          | 20.4                  | 3.00          | 23.8                  | 3.00          | 25.6                  | 2.75          | 26.2                  | 2.35          |
| 75.0               | 19.7                  | 3.00          | 23.1                  | 3.00          | 26.3                  | 3.00          | 27.8                  | 2.70          | 28.3                  | 2.30          |
| 72.0               | 23.8                  | 3.00          | 27.0                  | 3.00          | 29.8                  | 2.90          | 31.0                  | 2.60          | 31.3                  | 2.30          |
| 70.0               | 26.5                  | 3.00          | 29.6                  | 2.80          | 31.8                  | 2.60          | 33.0                  | 2.45          | 33.2                  | 2.30          |
| 69.0               | 27.9                  | 2.95          | 30.3                  | 2.65          | 32.7                  | 2.40          | 34.0                  | 2.30          | 34.2                  | 2.25          |
| 67.0               | 29.7                  | 2.45          | 32.1                  | 2.20          | 34.2                  | 2.05          | 35.8                  | 1.85          |                       |               |
| 65.0               | 31.4                  | 2.05          | 33.8                  | 1.80          | 35.8                  | 1.65          | 37.1                  | 1.60          |                       |               |
| 63.0               | 33.3                  | 1.60          | 35.6                  | 1.45          | 37.5                  | 1.35          | 38.6                  | 1.35          |                       |               |
| 62.0               | 34.3                  | 1.40          | 36.6                  | 1.30          | 38.3                  | 1.25          |                       |               |                       |               |
| 61.0               | 35.2                  | 1.25          |                       |               |                       |               |                       |               |                       |               |
| Min. boom angle(°) | 59                    |               | 60                    |               | 60                    |               | 60                    |               | 65                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |

**Specification SB3**

 Outriggers intermediately extended (5.0m) over side, with 21.8ton counterweight mounted to crane  
 51.3m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.3                   | 3.00          | 11.3                  | 3.00          | 15.2                  | 3.00          | 17.9                  | 3.00          | 19.2                  | 2.40          |
| 80.0               | 12.5                  | 3.00          | 16.2                  | 3.00          | 19.9                  | 3.00          | 22.2                  | 2.85          | 23.0                  | 2.35          |
| 77.0               | 16.9                  | 3.00          | 20.4                  | 3.00          | 23.8                  | 3.00          | 25.6                  | 2.75          | 26.2                  | 2.35          |
| 75.0               | 19.7                  | 3.00          | 23.1                  | 3.00          | 26.3                  | 3.00          | 27.8                  | 2.70          | 28.3                  | 2.30          |
| 72.0               | 23.8                  | 3.00          | 26.7                  | 2.75          | 29.2                  | 2.45          | 30.7                  | 2.35          | 31.3                  | 2.30          |
| 70.0               | 26.0                  | 2.55          | 28.6                  | 2.25          | 30.8                  | 2.05          | 32.4                  | 1.90          | 32.9                  | 1.90          |
| 69.0               | 26.9                  | 2.30          | 29.5                  | 2.00          | 31.7                  | 1.85          | 33.2                  | 1.75          | 33.6                  | 1.75          |
| 68.0               | 27.9                  | 2.00          | 30.4                  | 1.80          | 32.5                  | 1.65          | 34.0                  | 1.55          |                       |               |
| 67.0               | 28.8                  | 1.80          | 31.3                  | 1.60          | 33.4                  | 1.50          |                       |               |                       |               |
| 66.0               | 29.7                  | 1.60          |                       |               |                       |               |                       |               |                       |               |
| Min. boom angle(°) | 64                    |               | 65                    |               | 65                    |               | 65                    |               | 65                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |

**Specification SB4**

 Outriggers intermediately extended (4.2m) over side, with 21.8ton counterweight mounted to crane  
 51.3m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.3                   | 3.00          | 11.3                  | 3.00          | 15.2                  | 3.00          | 17.9                  | 3.00          | 19.2                  | 2.40          |
| 80.0               | 12.5                  | 3.00          | 16.2                  | 3.00          | 19.9                  | 3.00          | 22.2                  | 2.85          | 23.0                  | 2.35          |
| 77.0               | 16.9                  | 3.00          | 20.4                  | 3.00          | 23.8                  | 3.00          | 25.6                  | 2.75          | 26.2                  | 2.35          |
| 75.0               | 19.7                  | 3.00          | 23.1                  | 3.00          | 25.9                  | 2.70          | 27.5                  | 2.60          | 28.3                  | 2.30          |
| 73.0               | 22.4                  | 2.95          | 25.1                  | 2.50          | 27.6                  | 2.20          | 29.3                  | 2.05          | 30.1                  | 2.00          |
| 72.0               | 23.3                  | 2.60          | 26.0                  | 2.25          | 28.5                  | 2.00          |                       |               |                       |               |
| 71.0               | 24.3                  | 2.30          | 26.9                  | 2.00          | 29.4                  | 1.75          |                       |               |                       |               |
| Min. boom angle(°) | 69                    |               | 69                    |               | 69                    |               | 70                    |               | 70                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SB1

Outriggers fully extended (7.2m) 360° full range, with 21.8ton counterweight mounted to crane  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 8.6                      | 2.10          | 14.2                     | 2.10          | 19.6                     | 2.10          | 22.9                     | 1.75          | 24.8                     | 1.45          |
| 80.0               | 14.2                     | 2.10          | 19.7                     | 2.10          | 24.5                     | 2.05          | 27.2                     | 1.70          | 28.7                     | 1.40          |
| 77.0               | 19.0                     | 2.10          | 24.3                     | 2.10          | 28.5                     | 1.95          | 30.8                     | 1.60          | 31.9                     | 1.40          |
| 75.0               | 22.2                     | 2.10          | 27.2                     | 2.10          | 30.9                     | 1.85          | 33.1                     | 1.60          | 33.9                     | 1.40          |
| 72.0               | 26.8                     | 2.10          | 31.4                     | 2.10          | 34.6                     | 1.75          | 36.4                     | 1.55          | 36.9                     | 1.40          |
| 70.0               | 29.8                     | 2.10          | 34.0                     | 2.05          | 36.8                     | 1.75          | 38.5                     | 1.55          | 38.8                     | 1.40          |
| 69.0               | 31.2                     | 2.10          | 35.2                     | 2.05          | 37.9                     | 1.75          | 39.5                     | 1.55          | 39.7                     | 1.40          |
| 67.0               | 33.8                     | 2.10          | 37.5                     | 1.95          | 40.0                     | 1.65          | 41.5                     | 1.50          |                          |               |
| 65.0               | 36.5                     | 2.10          | 39.7                     | 1.85          | 42.2                     | 1.60          | 43.4                     | 1.50          |                          |               |
| 62.0               | 39.2                     | 1.70          | 42.5                     | 1.50          | 45.1                     | 1.40          | 46.1                     | 1.40          |                          |               |
| 60.0               | 41.0                     | 1.45          | 44.2                     | 1.30          | 46.4                     | 1.25          | 47.5                     | 1.20          |                          |               |
| 57.0               | 43.5                     | 1.10          | 46.6                     | 0.95          | 48.7                     | 0.95          | 49.5                     | 0.95          |                          |               |
| 56.0               | 44.4                     | 0.95          | 47.4                     | 0.85          | 49.4                     | 0.85          | 50.2                     | 0.85          |                          |               |
| 55.0               | 45.3                     | 0.85          | 48.2                     | 0.75          | 50.2                     | 0.75          |                          |               |                          |               |
| 54.0               | 46.2                     | 0.70          | 48.9                     | 0.65          | 50.9                     | 0.60          |                          |               |                          |               |
| Min. boom angle(°) | 52                       |               | 52                       |               | 52                       |               | 52                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SB2

Outriggers intermediately extended (6.0m) over side, with 21.8ton counterweight mounted to crane  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 8.6                      | 2.10          | 14.2                     | 2.10          | 19.6                     | 2.10          | 22.9                     | 1.75          | 24.8                     | 1.45          |
| 80.0               | 14.2                     | 2.10          | 19.7                     | 2.10          | 24.5                     | 2.05          | 27.2                     | 1.70          | 28.7                     | 1.40          |
| 77.0               | 19.0                     | 2.10          | 24.3                     | 2.10          | 28.5                     | 1.95          | 30.8                     | 1.60          | 31.9                     | 1.40          |
| 75.0               | 22.2                     | 2.10          | 27.2                     | 2.10          | 30.9                     | 1.85          | 33.1                     | 1.60          | 33.9                     | 1.40          |
| 72.0               | 26.8                     | 2.10          | 31.4                     | 2.10          | 34.6                     | 1.75          | 36.4                     | 1.55          | 36.9                     | 1.40          |
| 70.0               | 29.8                     | 2.10          | 34.0                     | 2.05          | 36.8                     | 1.75          | 38.5                     | 1.55          | 38.8                     | 1.40          |
| 69.0               | 31.2                     | 2.10          | 35.2                     | 2.05          | 37.9                     | 1.75          | 39.5                     | 1.55          | 39.7                     | 1.40          |
| 67.0               | 33.8                     | 1.90          | 36.9                     | 1.70          | 40.0                     | 1.50          | 41.5                     | 1.50          |                          |               |
| 65.0               | 35.4                     | 1.60          | 38.7                     | 1.40          | 41.5                     | 1.30          | 43.1                     | 1.25          |                          |               |
| 64.0               | 36.2                     | 1.45          | 39.6                     | 1.30          | 42.4                     | 1.15          | 43.8                     | 1.15          |                          |               |
| 63.0               | 37.1                     | 1.30          | 40.4                     | 1.15          | 43.2                     | 1.05          |                          |               |                          |               |
| 62.0               | 38.0                     | 1.15          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 60                       |               | 61                       |               | 61                       |               | 61                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SB3

Outriggers intermediately extended (5.0m) over side, with 21.8ton counterweight mounted to crane  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 8.6                      | 2.10          | 14.2                     | 2.10          | 19.6                     | 2.10          | 22.9                     | 1.75          | 24.8                     | 1.45          |
| 80.0               | 14.2                     | 2.10          | 19.7                     | 2.10          | 24.5                     | 2.05          | 27.2                     | 1.70          | 28.7                     | 1.40          |
| 77.0               | 19.0                     | 2.10          | 24.3                     | 2.10          | 28.5                     | 1.95          | 30.8                     | 1.60          | 31.9                     | 1.40          |
| 75.0               | 22.2                     | 2.10          | 27.2                     | 2.10          | 30.9                     | 1.85          | 33.1                     | 1.60          | 33.9                     | 1.40          |
| 72.0               | 26.8                     | 2.10          | 31.4                     | 2.10          | 34.6                     | 1.75          | 36.4                     | 1.55          | 36.9                     | 1.40          |
| 71.0               | 28.3                     | 2.10          | 32.3                     | 1.90          | 35.7                     | 1.65          | 37.5                     | 1.55          | 37.9                     | 1.40          |
| 70.0               | 29.8                     | 1.95          | 33.2                     | 1.70          | 36.4                     | 1.55          | 38.4                     | 1.45          |                          |               |
| 69.0               | 30.6                     | 1.80          | 34.1                     | 1.55          | 37.2                     | 1.40          |                          |               |                          |               |
| 68.0               | 31.5                     | 1.60          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 66                       |               | 67                       |               | 67                       |               | 67                       |               | 67                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SB4

Outriggers intermediately extended (4.2m) over side, with 21.8ton counterweight mounted to crane  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 8.6                      | 2.10          | 14.2                     | 2.10          | 19.6                     | 2.10          | 22.9                     | 1.75          | 24.8                     | 1.45          |
| 80.0               | 14.2                     | 2.10          | 19.7                     | 2.10          | 24.5                     | 2.05          | 27.2                     | 1.70          | 28.7                     | 1.40          |
| 77.0               | 19.0                     | 2.10          | 24.3                     | 2.10          | 28.5                     | 1.95          | 30.8                     | 1.60          | 31.9                     | 1.40          |
| 76.0               | 20.6                     | 2.10          | 25.8                     | 2.10          | 29.7                     | 1.90          | 32.0                     | 1.60          | 32.9                     | 1.40          |
| 75.0               | 22.2                     | 2.10          | 27.2                     | 2.10          | 30.9                     | 1.85          | 33.1                     | 1.60          |                          |               |
| 73.0               | 25.2                     | 2.10          | 29.4                     | 1.90          | 33.0                     | 1.65          |                          |               |                          |               |
| 72.0               | 26.6                     | 2.00          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 70                       |               | 71                       |               | 71                       |               | 72                       |               | 72                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SC1**

 Outriggers fully extended (7.2m) 360° full range, with 15.3ton counterweight mounted to crane  
 33.2m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 4.6                      | 5.60          | 5.9                      | 5.60          | 7.7                      | 5.60          | 9.3                      | 5.60          | 10.2                     | 5.05          |
| 80.0               | 7.1                      | 5.60          | 8.5                      | 5.60          | 10.3                     | 5.60          | 11.7                     | 5.60          | 12.5                     | 4.85          |
| 77.0               | 9.5                      | 5.60          | 10.8                     | 5.60          | 12.6                     | 5.60          | 13.8                     | 5.60          | 14.4                     | 4.80          |
| 75.0               | 11.0                     | 5.60          | 12.3                     | 5.60          | 14.0                     | 5.60          | 15.2                     | 5.55          | 15.7                     | 4.75          |
| 72.0               | 13.3                     | 5.60          | 14.5                     | 5.60          | 16.1                     | 5.60          | 17.1                     | 5.45          | 17.5                     | 4.70          |
| 70.0               | 14.8                     | 5.60          | 15.9                     | 5.60          | 17.4                     | 5.60          | 18.4                     | 5.35          | 18.7                     | 4.70          |
| 67.0               | 16.9                     | 5.60          | 18.0                     | 5.60          | 19.4                     | 5.60          | 20.2                     | 5.25          | 20.5                     | 4.70          |
| 65.0               | 18.3                     | 5.60          | 19.4                     | 5.60          | 20.7                     | 5.60          | 21.5                     | 5.20          | 21.6                     | 4.70          |
| 64.0               | 19.0                     | 5.60          | 20.1                     | 5.60          | 21.4                     | 5.35          | 22.0                     | 5.15          | 22.2                     | 4.65          |
| 62.0               | 20.4                     | 5.40          | 21.4                     | 5.05          | 22.4                     | 4.80          | 23.1                     | 4.60          |                          |               |
| 60.0               | 21.4                     | 4.80          | 22.4                     | 4.50          | 23.5                     | 4.25          | 24.0                     | 4.15          |                          |               |
| 57.0               | 23.1                     | 3.95          | 24.1                     | 3.75          | 25.0                     | 3.55          | 25.5                     | 3.50          |                          |               |
| 55.0               | 24.2                     | 3.50          | 25.1                     | 3.30          | 26.0                     | 3.20          | 26.4                     | 3.15          |                          |               |
| 52.0               | 25.8                     | 2.90          | 26.7                     | 2.75          | 27.6                     | 2.60          | 27.8                     | 2.65          |                          |               |
| 51.0               | 26.3                     | 2.75          | 27.2                     | 2.60          | 28.0                     | 2.50          | 28.2                     | 2.50          |                          |               |
| 50.0               | 26.8                     | 2.60          | 27.6                     | 2.45          | 28.5                     | 2.35          |                          |               |                          |               |
| 47.0               | 28.4                     | 2.10          | 29.1                     | 2.05          | 29.8                     | 2.00          |                          |               |                          |               |
| 45.0               | 29.3                     | 1.85          | 30.1                     | 1.75          | 30.7                     | 1.70          |                          |               |                          |               |
| 42.0               | 30.7                     | 1.50          | 31.4                     | 1.45          | 31.9                     | 1.45          |                          |               |                          |               |
| 40.0               | 31.6                     | 1.30          | 32.3                     | 1.25          | 32.7                     | 1.25          |                          |               |                          |               |
| 37.0               | 32.9                     | 1.05          | 33.5                     | 1.00          | 33.8                     | 1.00          |                          |               |                          |               |
| 35.0               | 33.7                     | 0.90          | 34.2                     | 0.85          |                          |               |                          |               |                          |               |
| 30.0               | 35.4                     | 0.55          | 35.9                     | 0.55          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 29                       |               | 29                       |               | 35                       |               | 49                       |               | 62                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SC2**

 Outriggers intermediately extended (6.0m) over side, with 15.3ton counterweight mounted to crane  
 33.2m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 4.6                      | 5.60          | 5.9                      | 5.60          | 7.7                      | 5.60          | 9.3                      | 5.60          | 10.2                     | 5.05          |
| 80.0               | 7.1                      | 5.60          | 8.5                      | 5.60          | 10.3                     | 5.60          | 11.7                     | 5.60          | 12.5                     | 4.85          |
| 77.0               | 9.5                      | 5.60          | 10.8                     | 5.60          | 12.6                     | 5.60          | 13.8                     | 5.60          | 14.4                     | 4.80          |
| 75.0               | 11.0                     | 5.60          | 12.3                     | 5.60          | 14.0                     | 5.60          | 15.2                     | 5.55          | 15.7                     | 4.75          |
| 72.0               | 13.3                     | 5.60          | 14.5                     | 5.60          | 16.1                     | 5.60          | 17.1                     | 5.45          | 17.5                     | 4.70          |
| 70.0               | 14.8                     | 5.60          | 15.9                     | 5.60          | 17.4                     | 5.60          | 18.4                     | 5.35          | 18.7                     | 4.70          |
| 67.0               | 16.9                     | 5.60          | 18.0                     | 5.60          | 19.3                     | 5.15          | 20.2                     | 4.85          | 20.5                     | 4.70          |
| 65.0               | 18.3                     | 5.10          | 19.2                     | 4.85          | 20.4                     | 4.45          | 21.2                     | 4.25          | 21.5                     | 4.20          |
| 64.0               | 18.8                     | 4.75          | 19.8                     | 4.50          | 21.0                     | 4.15          | 21.8                     | 3.95          | 22.0                     | 3.95          |
| 62.0               | 20.0                     | 4.10          | 21.0                     | 3.85          | 22.1                     | 3.60          | 22.8                     | 3.45          |                          |               |
| 60.0               | 21.1                     | 3.55          | 22.1                     | 3.35          | 23.2                     | 3.15          | 23.8                     | 3.05          |                          |               |
| 57.0               | 22.8                     | 2.85          | 23.8                     | 2.65          | 24.8                     | 2.50          | 25.3                     | 2.45          |                          |               |
| 55.0               | 24.0                     | 2.40          | 24.9                     | 2.25          | 25.8                     | 2.20          | 26.3                     | 2.10          |                          |               |
| 52.0               | 25.6                     | 1.90          | 26.4                     | 1.80          | 27.3                     | 1.75          | 27.6                     | 1.75          |                          |               |
| 51.0               | 26.1                     | 1.75          | 26.9                     | 1.70          | 27.8                     | 1.60          | 28.1                     | 1.60          |                          |               |
| 50.0               | 26.6                     | 1.60          | 27.4                     | 1.55          | 28.3                     | 1.45          |                          |               |                          |               |
| 47.0               | 28.1                     | 1.25          | 28.9                     | 1.15          | 29.6                     | 1.10          |                          |               |                          |               |
| 45.0               | 29.1                     | 0.95          | 29.9                     | 0.95          | 30.5                     | 0.90          |                          |               |                          |               |
| 42.0               | 30.5                     | 0.60          | 31.2                     | 0.60          | 31.7                     | 0.60          |                          |               |                          |               |
| 41.0               | 30.9                     | 0.50          | 31.7                     | 0.50          | 32.1                     | 0.50          |                          |               |                          |               |
| Min. boom angle(°) | 40                       |               | 40                       |               | 40                       |               | 49                       |               | 62                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SC3**

 Outriggers intermediately extended (5.0m) over side, with 15.3ton counterweight mounted to crane  
 33.2m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 4.6                      | 5.60          | 5.9                      | 5.60          | 7.7                      | 5.60          | 9.3                      | 5.60          | 10.2                     | 5.05          |
| 80.0               | 7.1                      | 5.60          | 8.5                      | 5.60          | 10.3                     | 5.60          | 11.7                     | 5.60          | 12.5                     | 4.85          |
| 77.0               | 9.5                      | 5.60          | 10.8                     | 5.60          | 12.6                     | 5.60          | 13.8                     | 5.60          | 14.4                     | 4.80          |
| 75.0               | 11.0                     | 5.60          | 12.3                     | 5.60          | 14.0                     | 5.60          | 15.2                     | 5.55          | 15.7                     | 4.75          |
| 72.0               | 13.3                     | 5.60          | 14.5                     | 5.60          | 16.1                     | 5.60          | 17.1                     | 5.45          | 17.5                     | 4.70          |
| 70.0               | 14.8                     | 5.60          | 15.9                     | 5.60          | 17.3                     | 5.05          | 18.2                     | 4.80          | 18.7                     | 4.60          |
| 67.0               | 16.7                     | 4.75          | 17.7                     | 4.40          | 19.1                     | 3.95          | 19.9                     | 3.80          | 20.2                     | 3.75          |
| 65.0               | 17.9                     | 4.00          | 18.9                     | 3.70          | 20.2                     | 3.40          | 21.0                     | 3.25          | 21.2                     | 3.25          |
| 64.0               | 18.5                     | 3.65          | 19.5                     | 3.40          | 20.7                     | 3.20          | 21.5                     | 3.00          | 21.7                     | 3.00          |
| 62.0               | 19.7                     | 3.05          | 20.7                     | 2.85          | 21.8                     | 2.70          | 22.6                     | 2.55          |                          |               |
| 60.0               | 20.8                     | 2.60          | 21.9                     | 2.35          | 22.9                     | 2.25          | 23.6                     | 2.15          |                          |               |
| 57.0               | 22.6                     | 1.90          | 23.6                     | 1.80          | 24.5                     | 1.70          | 25.2                     | 1.65          |                          |               |
| 55.0               | 23.7                     | 1.55          | 24.7                     | 1.45          | 25.6                     | 1.40          | 26.1                     | 1.35          |                          |               |
| 52.0               | 25.3                     | 1.05          | 26.3                     | 1.00          | 27.2                     | 0.95          | 27.5                     | 0.95          |                          |               |
| 51.0               | 25.8                     | 0.90          | 26.8                     | 0.90          | 27.6                     | 0.85          | 28.0                     | 0.85          |                          |               |
| 50.0               | 26.3                     | 0.75          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 49                       |               | 50                       |               | 50                       |               | 50                       |               | 62                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SC4**

 Outriggers intermediately extended (4.2m) over side, with 15.3ton counterweight mounted to crane  
 33.2m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 4.6                      | 5.60          | 5.9                      | 5.60          | 7.7                      | 5.60          | 9.3                      | 5.60          | 10.2                     | 5.05          |
| 80.0               | 7.1                      | 5.60          | 8.5                      | 5.60          | 10.3                     | 5.60          | 11.7                     | 5.60          | 12.5                     | 4.85          |
| 77.0               | 9.5                      | 5.60          | 10.8                     | 5.60          | 12.6                     | 5.60          | 13.8                     | 5.60          | 14.4                     | 4.80          |
| 75.0               | 11.0                     | 5.60          | 12.3                     | 5.60          | 14.0                     | 5.60          | 15.2                     | 5.55          | 15.7                     | 4.75          |
| 72.0               | 13.3                     | 5.60          | 14.5                     | 5.40          | 15.9                     | 4.85          | 16.9                     | 4.50          | 17.4                     | 4.35          |
| 70.0               | 14.6                     | 4.95          | 15.7                     | 4.55          | 17.1                     | 4.05          | 18.0                     | 3.80          | 18.5                     | 3.70          |
| 67.0               | 16.4                     | 3.75          | 17.5                     | 3.45          | 18.8                     | 3.10          | 19.7                     | 2.90          | 20.0                     | 2.90          |
| 65.0               | 17.6                     | 3.05          | 18.7                     | 2.85          | 20.0                     | 2.60          | 20.8                     | 2.45          | 21.0                     | 2.45          |
| 64.0               | 18.2                     | 2.75          | 19.3                     | 2.55          | 20.5                     | 2.35          | 21.4                     | 2.20          | 21.5                     | 2.20          |
| 62.0               | 19.5                     | 2.20          | 20.5                     | 2.05          | 21.7                     | 1.90          | 22.4                     | 1.80          |                          |               |
| 60.0               | 20.6                     | 1.80          | 21.7                     | 1.60          | 22.8                     | 1.50          | 23.5                     | 1.45          |                          |               |
| 58.0               | 21.8                     | 1.30          | 22.8                     | 1.25          | 23.8                     | 1.20          | 24.5                     | 1.15          |                          |               |
| Min. boom angle(°) | 57                       |               | 57                       |               | 57                       |               | 57                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SC1

Outriggers fully extended (7.2m) 360° full range, with 15.3ton counterweight mounted to crane  
33.2m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.1                      | 4.50          | 8.3                      | 4.50          | 11.5                     | 4.30          | 13.8                     | 3.25          | 15.4                     | 2.50          |
| 80.0               | 8.1                      | 4.50          | 11.3                     | 4.50          | 14.3                     | 3.90          | 16.4                     | 3.05          | 17.9                     | 2.45          |
| 77.0               | 10.9                     | 4.50          | 13.9                     | 4.50          | 16.6                     | 3.65          | 18.7                     | 2.95          | 19.9                     | 2.40          |
| 75.0               | 12.6                     | 4.50          | 15.6                     | 4.50          | 18.2                     | 3.50          | 20.1                     | 2.85          | 21.2                     | 2.40          |
| 72.0               | 15.2                     | 4.50          | 18.0                     | 4.15          | 20.4                     | 3.30          | 22.2                     | 2.75          | 23.0                     | 2.35          |
| 70.0               | 16.9                     | 4.50          | 19.6                     | 3.95          | 21.9                     | 3.20          | 23.5                     | 2.75          | 24.2                     | 2.35          |
| 67.0               | 19.4                     | 4.50          | 21.8                     | 3.65          | 24.0                     | 3.05          | 25.4                     | 2.70          | 26.0                     | 2.35          |
| 65.0               | 21.0                     | 4.45          | 23.3                     | 3.50          | 25.4                     | 2.95          | 26.7                     | 2.65          | 27.1                     | 2.35          |
| 62.0               | 23.2                     | 4.15          | 25.4                     | 3.30          | 27.3                     | 2.85          | 28.5                     | 2.60          |                          |               |
| 60.0               | 24.6                     | 3.95          | 26.8                     | 3.15          | 28.6                     | 2.80          | 29.6                     | 2.60          |                          |               |
| 57.0               | 26.7                     | 3.25          | 28.7                     | 2.95          | 30.4                     | 2.70          | 31.3                     | 2.55          |                          |               |
| 55.0               | 27.9                     | 2.85          | 30.0                     | 2.60          | 31.6                     | 2.45          | 32.3                     | 2.35          |                          |               |
| 52.0               | 29.7                     | 2.35          | 31.7                     | 2.15          | 33.1                     | 2.05          | 33.7                     | 2.05          |                          |               |
| 51.0               | 30.3                     | 2.20          | 32.2                     | 2.05          | 33.6                     | 1.95          | 34.1                     | 1.95          |                          |               |
| 50.0               | 30.9                     | 2.05          | 32.8                     | 1.90          | 34.1                     | 1.80          |                          |               |                          |               |
| 47.0               | 32.6                     | 1.70          | 34.4                     | 1.55          | 35.6                     | 1.50          |                          |               |                          |               |
| 45.0               | 33.7                     | 1.50          | 35.4                     | 1.40          | 36.4                     | 1.35          |                          |               |                          |               |
| 42.0               | 35.3                     | 1.15          | 36.8                     | 1.10          | 37.7                     | 1.05          |                          |               |                          |               |
| 40.0               | 36.3                     | 1.00          | 37.7                     | 0.95          | 38.5                     | 0.90          |                          |               |                          |               |
| 37.0               | 37.7                     | 0.80          | 39.0                     | 0.75          | 39.5                     | 0.75          |                          |               |                          |               |
| 35.0               | 38.6                     | 0.65          | 39.8                     | 0.65          |                          |               |                          |               |                          |               |
| 33.0               | 39.5                     | 0.50          | 40.5                     | 0.50          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 32                       |               | 32                       |               | 35                       |               | 49                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC2

Outriggers intermediately extended (6.0m) over side, with 15.3ton counterweight mounted to crane  
33.2m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.1                      | 4.50          | 8.3                      | 4.50          | 11.5                     | 4.30          | 13.8                     | 3.25          | 15.4                     | 2.50          |
| 80.0               | 8.1                      | 4.50          | 11.3                     | 4.50          | 14.3                     | 3.90          | 16.4                     | 3.05          | 17.9                     | 2.45          |
| 77.0               | 10.9                     | 4.50          | 13.9                     | 4.50          | 16.6                     | 3.65          | 18.7                     | 2.95          | 19.9                     | 2.40          |
| 75.0               | 12.6                     | 4.50          | 15.6                     | 4.50          | 18.2                     | 3.50          | 20.1                     | 2.85          | 21.2                     | 2.40          |
| 72.0               | 15.2                     | 4.50          | 18.0                     | 4.15          | 20.4                     | 3.30          | 22.2                     | 2.75          | 23.0                     | 2.35          |
| 70.0               | 16.9                     | 4.50          | 19.6                     | 3.95          | 21.9                     | 3.20          | 23.5                     | 2.75          | 24.2                     | 2.35          |
| 67.0               | 19.4                     | 4.50          | 21.8                     | 3.65          | 24.0                     | 3.05          | 25.4                     | 2.70          | 26.0                     | 2.35          |
| 65.0               | 21.0                     | 4.25          | 23.3                     | 3.50          | 25.4                     | 2.95          | 26.7                     | 2.65          | 27.1                     | 2.35          |
| 62.0               | 22.9                     | 3.40          | 25.4                     | 2.95          | 27.3                     | 2.70          | 28.5                     | 2.60          |                          |               |
| 60.0               | 24.3                     | 2.90          | 26.6                     | 2.55          | 28.5                     | 2.35          | 29.5                     | 2.30          |                          |               |
| 57.0               | 26.3                     | 2.30          | 28.4                     | 2.10          | 30.2                     | 1.90          | 31.1                     | 1.85          |                          |               |
| 55.0               | 27.6                     | 1.95          | 29.6                     | 1.80          | 31.3                     | 1.65          | 32.1                     | 1.60          |                          |               |
| 52.0               | 29.4                     | 1.50          | 31.4                     | 1.35          | 32.9                     | 1.25          | 33.5                     | 1.25          |                          |               |
| 51.0               | 30.0                     | 1.40          | 32.0                     | 1.25          | 33.4                     | 1.20          | 33.9                     | 1.20          |                          |               |
| 50.0               | 30.6                     | 1.25          | 32.5                     | 1.15          | 33.9                     | 1.10          |                          |               |                          |               |
| 47.0               | 32.3                     | 0.95          | 34.1                     | 0.85          | 35.4                     | 0.80          |                          |               |                          |               |
| 45.0               | 33.4                     | 0.70          | 35.2                     | 0.65          | 36.3                     | 0.65          |                          |               |                          |               |
| 44.0               | 33.9                     | 0.60          | 35.7                     | 0.55          | 36.7                     | 0.55          |                          |               |                          |               |
| 43.0               | 34.5                     | 0.50          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 42                       |               | 43                       |               | 43                       |               | 49                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC3

Outriggers intermediately extended (5.0m) over side, with 15.3ton counterweight mounted to crane  
33.2m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.1                      | 4.50          | 8.3                      | 4.50          | 11.5                     | 4.30          | 13.8                     | 3.25          | 15.4                     | 2.50          |
| 80.0               | 8.1                      | 4.50          | 11.3                     | 4.50          | 14.3                     | 3.90          | 16.4                     | 3.05          | 17.9                     | 2.45          |
| 77.0               | 10.9                     | 4.50          | 13.9                     | 4.50          | 16.6                     | 3.65          | 18.7                     | 2.95          | 19.9                     | 2.40          |
| 75.0               | 12.6                     | 4.50          | 15.6                     | 4.50          | 18.2                     | 3.50          | 20.1                     | 2.85          | 21.2                     | 2.40          |
| 72.0               | 15.2                     | 4.50          | 18.0                     | 4.15          | 20.4                     | 3.30          | 22.2                     | 2.75          | 23.0                     | 2.35          |
| 70.0               | 16.9                     | 4.50          | 19.6                     | 3.95          | 21.9                     | 3.20          | 23.5                     | 2.75          | 24.2                     | 2.35          |
| 67.0               | 19.2                     | 3.90          | 21.7                     | 3.35          | 24.0                     | 2.90          | 25.4                     | 2.70          | 26.0                     | 2.35          |
| 65.0               | 20.6                     | 3.30          | 23.0                     | 2.85          | 25.2                     | 2.50          | 26.6                     | 2.35          | 27.1                     | 2.35          |
| 62.0               | 22.6                     | 2.50          | 25.0                     | 2.20          | 27.0                     | 2.00          | 28.3                     | 1.85          |                          |               |
| 60.0               | 24.0                     | 2.10          | 26.2                     | 1.85          | 28.2                     | 1.65          | 29.3                     | 1.55          |                          |               |
| 57.0               | 26.0                     | 1.50          | 28.2                     | 1.35          | 30.0                     | 1.25          | 30.9                     | 1.20          |                          |               |
| 55.0               | 27.3                     | 1.20          | 29.4                     | 1.10          | 31.1                     | 1.00          | 31.9                     | 1.00          |                          |               |
| 53.0               | 28.6                     | 0.90          | 30.6                     | 0.80          | 32.2                     | 0.75          | 32.8                     | 0.75          |                          |               |
| 52.0               | 29.3                     | 0.75          | 31.1                     | 0.70          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 51                       |               | 51                       |               | 52                       |               | 52                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC4

Outriggers intermediately extended (4.2m) over side, with 15.3ton counterweight mounted to crane  
33.2m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.1                      | 4.50          | 8.3                      | 4.50          | 11.5                     | 4.30          | 13.8                     | 3.25          | 15.4                     | 2.50          |
| 80.0               | 8.1                      | 4.50          | 11.3                     | 4.50          | 14.3                     | 3.90          | 16.4                     | 3.05          | 17.9                     | 2.45          |
| 77.0               | 10.9                     | 4.50          | 13.9                     | 4.50          | 16.6                     | 3.65          | 18.7                     | 2.95          | 19.9                     | 2.40          |
| 75.0               | 12.6                     | 4.50          | 15.6                     | 4.50          | 18.2                     | 3.50          | 20.1                     | 2.85          | 21.2                     | 2.40          |
| 72.0               | 15.2                     | 4.50          | 18.0                     | 4.10          | 20.4                     | 3.30          | 22.2                     | 2.75          | 23.0                     | 2.35          |
| 70.0               | 16.7                     | 4.15          | 19.4                     | 3.40          | 21.8                     | 2.95          | 23.5                     | 2.70          | 24.2                     | 2.35          |
| 67.0               | 18.8                     | 3.10          | 21.4                     | 2.60          | 23.7                     | 2.25          | 25.3                     | 2.05          | 25.9                     | 2.05          |
| 65.0               | 20.3                     | 2.45          | 22.8                     | 2.10          | 25.0                     | 1.85          | 26.4                     | 1.75          | 26.9                     | 1.70          |
| 62.0               | 22.3                     | 1.80          | 24.8                     | 1.55          | 26.8                     | 1.40          | 28.1                     | 1.30          |                          |               |
| 60.0               | 23.7                     | 1.40          | 26.0                     | 1.20          | 28.0                     | 1.10          | 29.2                     | 1.00          |                          |               |
| 59.0               | 24.4                     | 1.20          | 26.6                     | 1.05          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 58                       |               | 58                       |               | 59                       |               | 59                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SC1**

 Outriggers fully extended (7.2m) 360° full range, with 15.3ton counterweight mounted to crane  
 33.2m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.9                      | 3.00          | 10.9                     | 3.00          | 15.5                     | 2.40          | 18.8                     | 1.90          | 20.9                     | 1.50          |
| 80.0               | 9.7                      | 3.00          | 14.4                     | 3.00          | 18.5                     | 2.25          | 21.6                     | 1.80          | 23.4                     | 1.50          |
| 77.0               | 12.8                     | 3.00          | 17.3                     | 2.90          | 21.1                     | 2.10          | 23.9                     | 1.75          | 25.4                     | 1.45          |
| 75.0               | 14.8                     | 3.00          | 19.1                     | 2.75          | 22.8                     | 2.05          | 25.4                     | 1.70          | 26.8                     | 1.45          |
| 72.0               | 17.7                     | 3.00          | 21.7                     | 2.55          | 25.2                     | 1.95          | 27.5                     | 1.65          | 28.7                     | 1.40          |
| 70.0               | 19.7                     | 3.00          | 23.4                     | 2.40          | 26.7                     | 1.90          | 28.9                     | 1.65          | 29.9                     | 1.40          |
| 67.0               | 22.4                     | 2.95          | 25.9                     | 2.30          | 29.0                     | 1.85          | 31.0                     | 1.60          | 31.6                     | 1.40          |
| 65.0               | 24.1                     | 2.90          | 27.5                     | 2.15          | 30.5                     | 1.75          | 32.3                     | 1.55          | 32.7                     | 1.40          |
| 62.0               | 26.7                     | 2.65          | 29.9                     | 2.05          | 32.6                     | 1.70          | 34.1                     | 1.55          |                          |               |
| 60.0               | 28.4                     | 2.55          | 31.4                     | 1.95          | 33.9                     | 1.70          | 35.2                     | 1.55          |                          |               |
| 57.0               | 30.7                     | 2.30          | 33.5                     | 1.85          | 35.8                     | 1.65          | 36.9                     | 1.55          |                          |               |
| 55.0               | 32.2                     | 2.20          | 34.9                     | 1.80          | 37.0                     | 1.60          | 37.9                     | 1.55          |                          |               |
| 52.0               | 34.4                     | 1.85          | 36.9                     | 1.70          | 38.8                     | 1.60          | 39.5                     | 1.55          |                          |               |
| 51.0               | 35.1                     | 1.70          | 37.5                     | 1.60          | 39.4                     | 1.50          | 39.9                     | 1.50          |                          |               |
| 50.0               | 35.4                     | 1.65          | 38.1                     | 1.50          | 39.9                     | 1.40          |                          |               |                          |               |
| 47.0               | 37.2                     | 1.35          | 39.6                     | 1.25          | 41.3                     | 1.20          |                          |               |                          |               |
| 45.0               | 38.4                     | 1.15          | 40.7                     | 1.05          | 42.2                     | 1.00          |                          |               |                          |               |
| 42.0               | 40.2                     | 0.90          | 42.2                     | 0.85          | 43.4                     | 0.85          |                          |               |                          |               |
| 40.0               | 41.3                     | 0.80          | 43.2                     | 0.75          | 44.2                     | 0.75          |                          |               |                          |               |
| 37.0               | 42.8                     | 0.60          | 44.6                     | 0.55          | 45.3                     | 0.55          |                          |               |                          |               |
| 36.0               | 43.3                     | 0.50          | 45.0                     | 0.50          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 35                       |               | 35                       |               | 35                       |               | 49                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SC2**

 Outriggers intermediately extended (6.0m) over side, with 15.3ton counterweight mounted to crane  
 33.2m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.9                      | 3.00          | 10.9                     | 3.00          | 15.5                     | 2.40          | 18.8                     | 1.90          | 20.9                     | 1.50          |
| 80.0               | 9.7                      | 3.00          | 14.4                     | 3.00          | 18.5                     | 2.25          | 21.6                     | 1.80          | 23.4                     | 1.50          |
| 77.0               | 12.8                     | 3.00          | 17.3                     | 2.90          | 21.1                     | 2.10          | 23.9                     | 1.75          | 25.4                     | 1.45          |
| 75.0               | 14.8                     | 3.00          | 19.1                     | 2.75          | 22.8                     | 2.05          | 25.4                     | 1.70          | 26.8                     | 1.45          |
| 72.0               | 17.7                     | 3.00          | 21.7                     | 2.55          | 25.2                     | 1.95          | 27.5                     | 1.65          | 28.7                     | 1.40          |
| 70.0               | 19.7                     | 3.00          | 23.4                     | 2.40          | 26.7                     | 1.90          | 28.9                     | 1.65          | 29.9                     | 1.40          |
| 67.0               | 22.4                     | 2.95          | 25.9                     | 2.30          | 29.0                     | 1.85          | 31.0                     | 1.60          | 31.6                     | 1.40          |
| 65.0               | 24.1                     | 2.90          | 27.5                     | 2.15          | 30.5                     | 1.75          | 32.3                     | 1.55          | 32.7                     | 1.40          |
| 62.0               | 26.7                     | 2.65          | 29.9                     | 2.05          | 32.6                     | 1.70          | 34.1                     | 1.55          |                          |               |
| 60.0               | 28.4                     | 2.25          | 31.4                     | 1.95          | 33.9                     | 1.70          | 35.2                     | 1.55          |                          |               |
| 57.0               | 30.3                     | 1.85          | 33.3                     | 1.60          | 35.8                     | 1.45          | 36.9                     | 1.45          |                          |               |
| 55.0               | 31.6                     | 1.55          | 34.6                     | 1.35          | 36.9                     | 1.25          | 37.8                     | 1.25          |                          |               |
| 52.0               | 33.6                     | 1.20          | 36.4                     | 1.05          | 38.5                     | 1.00          | 39.3                     | 1.00          |                          |               |
| 51.0               | 34.3                     | 1.10          | 37.0                     | 1.00          | 39.0                     | 0.90          | 39.8                     | 0.90          |                          |               |
| 50.0               | 34.9                     | 1.00          | 37.6                     | 0.90          | 39.5                     | 0.85          |                          |               |                          |               |
| 47.0               | 36.7                     | 0.70          | 39.2                     | 0.60          | 41.0                     | 0.60          |                          |               |                          |               |
| 46.0               | 37.3                     | 0.60          | 39.7                     | 0.55          | 41.4                     | 0.50          |                          |               |                          |               |
| 45.0               | 37.8                     | 0.50          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 44                       |               | 45                       |               | 45                       |               | 49                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SC3**

 Outriggers intermediately extended (5.0m) over side, with 15.3ton counterweight mounted to crane  
 33.2m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.9                      | 3.00          | 10.9                     | 3.00          | 15.5                     | 2.40          | 18.8                     | 1.90          | 20.9                     | 1.50          |
| 80.0               | 9.7                      | 3.00          | 14.4                     | 3.00          | 18.5                     | 2.25          | 21.6                     | 1.80          | 23.4                     | 1.50          |
| 77.0               | 12.8                     | 3.00          | 17.3                     | 2.90          | 21.1                     | 2.10          | 23.9                     | 1.75          | 25.4                     | 1.45          |
| 75.0               | 14.8                     | 3.00          | 19.1                     | 2.75          | 22.8                     | 2.05          | 25.4                     | 1.70          | 26.8                     | 1.45          |
| 72.0               | 17.7                     | 3.00          | 21.7                     | 2.55          | 25.2                     | 1.95          | 27.5                     | 1.65          | 28.7                     | 1.40          |
| 70.0               | 19.7                     | 3.00          | 23.4                     | 2.40          | 26.7                     | 1.90          | 28.9                     | 1.65          | 29.9                     | 1.40          |
| 67.0               | 22.4                     | 2.95          | 25.9                     | 2.30          | 29.0                     | 1.85          | 31.0                     | 1.60          | 31.6                     | 1.40          |
| 65.0               | 23.9                     | 2.60          | 27.5                     | 2.15          | 30.5                     | 1.75          | 32.3                     | 1.55          | 32.7                     | 1.40          |
| 62.0               | 26.1                     | 2.00          | 29.6                     | 1.65          | 32.4                     | 1.45          | 34.1                     | 1.40          |                          |               |
| 60.0               | 27.6                     | 1.60          | 30.9                     | 1.40          | 33.6                     | 1.25          | 35.1                     | 1.20          |                          |               |
| 57.0               | 29.8                     | 1.20          | 32.9                     | 1.05          | 35.4                     | 0.95          | 36.6                     | 0.90          |                          |               |
| 55.0               | 31.1                     | 0.95          | 34.1                     | 0.80          | 36.5                     | 0.70          | 37.7                     | 0.70          |                          |               |
| 54.0               | 31.8                     | 0.80          | 34.7                     | 0.65          | 37.1                     | 0.60          | 38.2                     | 0.60          |                          |               |
| 53.0               | 32.5                     | 0.65          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 52                       |               | 53                       |               | 53                       |               | 53                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SC4**

 Outriggers intermediately extended (4.2m) over side, with 15.3ton counterweight mounted to crane  
 33.2m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.9                      | 3.00          | 10.9                     | 3.00          | 15.5                     | 2.40          | 18.8                     | 1.90          | 20.9                     | 1.50          |
| 80.0               | 9.7                      | 3.00          | 14.4                     | 3.00          | 18.5                     | 2.25          | 21.6                     | 1.80          | 23.4                     | 1.50          |
| 77.0               | 12.8                     | 3.00          | 17.3                     | 2.90          | 21.1                     | 2.10          | 23.9                     | 1.75          | 25.4                     | 1.45          |
| 75.0               | 14.8                     | 3.00          | 19.1                     | 2.75          | 22.8                     | 2.05          | 25.4                     | 1.70          | 26.8                     | 1.45          |
| 72.0               | 17.7                     | 3.00          | 21.7                     | 2.55          | 25.2                     | 1.95          | 27.5                     | 1.65          | 28.7                     | 1.40          |
| 70.0               | 19.7                     | 3.00          | 23.4                     | 2.40          | 26.7                     | 1.90          | 28.9                     | 1.65          | 29.9                     | 1.40          |
| 67.0               | 22.0                     | 2.40          | 25.6                     | 1.95          | 28.9                     | 1.65          | 31.0                     | 1.55          | 31.6                     | 1.40          |
| 65.0               | 23.4                     | 2.00          | 27.1                     | 1.60          | 30.2                     | 1.40          | 32.1                     | 1.30          | 32.7                     | 1.30          |
| 62.0               | 25.6                     | 1.45          | 29.2                     | 1.15          | 32.0                     | 1.00          | 33.8                     | 0.95          |                          |               |
| 60.0               | 27.1                     | 1.10          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 59                       |               | 61                       |               | 61                       |               | 61                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SC1

Outriggers fully extended (7.2m) 360° full range, with 15.3ton counterweight mounted to crane  
40.5m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.4                      | 5.60          | 6.8                      | 5.60          | 8.8                      | 5.60          | 10.4                     | 5.60          | 11.3                     | 5.00          |
| 80.0               | 8.7                      | 5.60          | 10.2                     | 5.60          | 12.1                     | 5.60          | 13.5                     | 5.60          | 14.2                     | 4.80          |
| 77.0               | 11.7                     | 5.60          | 13.1                     | 5.60          | 14.9                     | 5.60          | 16.2                     | 5.55          | 16.6                     | 4.75          |
| 75.0               | 13.6                     | 5.60          | 14.9                     | 5.60          | 16.7                     | 5.60          | 17.8                     | 5.55          | 18.2                     | 4.70          |
| 72.0               | 16.4                     | 5.60          | 17.7                     | 5.60          | 19.3                     | 5.60          | 20.3                     | 5.35          | 20.5                     | 4.70          |
| 70.0               | 18.3                     | 5.60          | 19.5                     | 5.60          | 21.0                     | 5.50          | 21.9                     | 5.25          | 22.0                     | 4.70          |
| 67.0               | 20.9                     | 4.95          | 21.8                     | 4.70          | 23.0                     | 4.40          | 23.8                     | 4.25          | 24.2                     | 4.15          |
| 65.0               | 22.1                     | 4.30          | 23.2                     | 4.05          | 24.3                     | 3.85          | 25.1                     | 3.65          |                          |               |
| 62.0               | 24.2                     | 3.35          | 25.2                     | 3.20          | 26.2                     | 3.05          | 27.0                     | 2.90          |                          |               |
| 60.0               | 25.6                     | 2.85          | 26.5                     | 2.70          | 27.6                     | 2.55          | 28.2                     | 2.50          |                          |               |
| 57.0               | 27.6                     | 2.20          | 28.6                     | 2.10          | 29.5                     | 2.00          | 30.0                     | 2.00          |                          |               |
| 55.0               | 29.0                     | 1.80          | 29.8                     | 1.75          | 30.7                     | 1.70          | 31.1                     | 1.65          |                          |               |
| 53.0               | 30.2                     | 1.50          | 31.1                     | 1.45          | 31.9                     | 1.40          | 32.3                     | 1.35          |                          |               |
| 52.0               | 30.9                     | 1.30          | 31.7                     | 1.30          | 32.5                     | 1.25          |                          |               |                          |               |
| 50.0               | 32.1                     | 1.05          | 32.9                     | 1.00          | 33.6                     | 1.00          |                          |               |                          |               |
| 47.0               | 33.8                     | 0.70          | 34.6                     | 0.70          | 35.3                     | 0.70          |                          |               |                          |               |
| 46.0               | 34.4                     | 0.60          | 35.2                     | 0.60          | 35.8                     | 0.60          |                          |               |                          |               |
| Min. boom angle(°) | 45                       |               | 45                       |               | 45                       |               | 51                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC2

Outriggers intermediately extended (6.0m) over side, with 15.3ton counterweight mounted to crane  
40.5m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.4                      | 5.60          | 6.8                      | 5.60          | 8.8                      | 5.60          | 10.4                     | 5.60          | 11.3                     | 5.00          |
| 80.0               | 8.7                      | 5.60          | 10.2                     | 5.60          | 12.1                     | 5.60          | 13.5                     | 5.60          | 14.2                     | 4.80          |
| 77.0               | 11.7                     | 5.60          | 13.1                     | 5.60          | 14.9                     | 5.60          | 16.2                     | 5.55          | 16.6                     | 4.75          |
| 75.0               | 13.6                     | 5.60          | 14.9                     | 5.60          | 16.7                     | 5.60          | 17.8                     | 5.55          | 18.2                     | 4.70          |
| 72.0               | 16.4                     | 5.60          | 17.7                     | 5.60          | 19.3                     | 5.05          | 20.1                     | 4.85          | 20.5                     | 4.70          |
| 70.0               | 18.3                     | 4.95          | 19.2                     | 4.75          | 20.5                     | 4.35          | 21.4                     | 4.10          | 21.8                     | 4.05          |
| 67.0               | 20.3                     | 3.80          | 21.4                     | 3.55          | 22.6                     | 3.30          | 23.4                     | 3.20          | 23.8                     | 3.15          |
| 65.0               | 21.7                     | 3.15          | 22.8                     | 2.95          | 24.0                     | 2.75          | 24.7                     | 2.65          |                          |               |
| 62.0               | 23.8                     | 2.35          | 24.8                     | 2.20          | 25.9                     | 2.10          | 26.6                     | 2.00          |                          |               |
| 60.0               | 25.2                     | 1.85          | 26.2                     | 1.80          | 27.2                     | 1.70          | 27.9                     | 1.65          |                          |               |
| 57.0               | 27.3                     | 1.30          | 28.2                     | 1.25          | 29.2                     | 1.15          | 29.7                     | 1.15          |                          |               |
| 56.0               | 28.0                     | 1.10          | 28.9                     | 1.10          | 29.8                     | 1.05          | 30.3                     | 1.00          |                          |               |
| Min. boom angle(°) | 55                       |               | 55                       |               | 55                       |               | 55                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC3

Outriggers intermediately extended (5.0m) over side, with 15.3ton counterweight mounted to crane  
40.5m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.4                      | 5.60          | 6.8                      | 5.60          | 8.8                      | 5.60          | 10.4                     | 5.60          | 11.3                     | 5.00          |
| 80.0               | 8.7                      | 5.60          | 10.2                     | 5.60          | 12.1                     | 5.60          | 13.5                     | 5.60          | 14.2                     | 4.80          |
| 77.0               | 11.7                     | 5.60          | 13.1                     | 5.60          | 14.9                     | 5.60          | 16.2                     | 5.55          | 16.6                     | 4.75          |
| 75.0               | 13.6                     | 5.60          | 14.9                     | 5.60          | 16.7                     | 5.40          | 17.7                     | 5.05          | 18.2                     | 4.70          |
| 72.0               | 16.2                     | 4.95          | 17.4                     | 4.45          | 18.8                     | 4.05          | 19.8                     | 3.80          | 20.2                     | 3.75          |
| 70.0               | 17.7                     | 3.95          | 18.8                     | 3.65          | 20.2                     | 3.35          | 21.1                     | 3.20          | 21.5                     | 3.10          |
| 67.0               | 19.9                     | 2.85          | 21.0                     | 2.65          | 22.2                     | 2.50          | 23.1                     | 2.35          | 23.5                     | 2.30          |
| 65.0               | 21.4                     | 2.20          | 22.4                     | 2.10          | 23.6                     | 1.95          | 24.4                     | 1.85          |                          |               |
| 63.0               | 22.8                     | 1.70          | 23.8                     | 1.60          | 25.0                     | 1.50          | 25.7                     | 1.45          |                          |               |
| Min. boom angle(°) | 62                       |               | 62                       |               | 62                       |               | 62                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC4

Outriggers intermediately extended (4.2m) over side, with 15.3ton counterweight mounted to crane  
40.5m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.4                      | 5.60          | 6.8                      | 5.60          | 8.8                      | 5.60          | 10.4                     | 5.60          | 11.3                     | 5.00          |
| 80.0               | 8.7                      | 5.60          | 10.2                     | 5.60          | 12.1                     | 5.60          | 13.5                     | 5.60          | 14.2                     | 4.80          |
| 77.0               | 11.7                     | 5.60          | 13.1                     | 5.60          | 14.9                     | 5.55          | 16.0                     | 5.10          | 16.6                     | 4.75          |
| 75.0               | 13.6                     | 5.60          | 14.8                     | 5.05          | 16.3                     | 4.50          | 17.4                     | 4.15          | 18.0                     | 4.00          |
| 72.0               | 15.9                     | 3.90          | 17.0                     | 3.60          | 18.5                     | 3.20          | 19.5                     | 3.00          | 20.0                     | 2.90          |
| 70.0               | 17.4                     | 3.00          | 18.6                     | 2.75          | 19.9                     | 2.55          | 20.9                     | 2.35          | 21.3                     | 2.35          |
| 68.0               | 18.9                     | 2.30          | 20.0                     | 2.15          | 21.3                     | 2.00          | 22.2                     | 1.85          | 22.6                     | 1.80          |
| Min. boom angle(°) | 67                       |               | 67                       |               | 67                       |               | 67                       |               | 67                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SC1**

 Outriggers fully extended (7.2m) 360° full range, with 15.3ton counterweight mounted to crane  
 40.5m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 5.9               | 4.30  | 9.0               | 4.30  | 12.9              | 4.20  | 15.2              | 3.20  | 16.5              | 2.45  |
| 80.0               | 9.4               | 4.30  | 12.9              | 4.30  | 16.3              | 3.80  | 18.3              | 3.00  | 19.6              | 2.45  |
| 77.0               | 12.7              | 4.30  | 16.1              | 4.30  | 19.1              | 3.55  | 21.0              | 2.90  | 22.0              | 2.40  |
| 75.0               | 14.9              | 4.30  | 18.2              | 4.25  | 21.0              | 3.40  | 22.7              | 2.80  | 23.6              | 2.35  |
| 72.0               | 18.2              | 4.30  | 21.1              | 4.00  | 23.7              | 3.20  | 25.2              | 2.75  | 25.9              | 2.35  |
| 70.0               | 20.3              | 4.30  | 23.0              | 3.80  | 25.4              | 3.10  | 26.9              | 2.70  | 27.4              | 2.35  |
| 67.0               | 23.3              | 4.30  | 25.8              | 3.50  | 27.9              | 3.00  | 29.2              | 2.65  | 29.6              | 2.35  |
| 65.0               | 24.9              | 3.65  | 27.6              | 3.10  | 29.6              | 2.90  | 30.7              | 2.60  |                   |       |
| 62.0               | 27.4              | 2.80  | 29.7              | 2.50  | 31.6              | 2.35  | 32.9              | 2.20  |                   |       |
| 60.0               | 29.0              | 2.35  | 31.2              | 2.15  | 33.0              | 1.95  | 34.0              | 1.90  |                   |       |
| 57.0               | 31.3              | 1.75  | 33.3              | 1.65  | 35.0              | 1.55  | 35.8              | 1.50  |                   |       |
| 55.0               | 32.8              | 1.45  | 34.7              | 1.35  | 36.3              | 1.30  | 37.0              | 1.25  |                   |       |
| 53.0               | 34.2              | 1.15  | 36.0              | 1.10  | 37.6              | 1.00  | 38.1              | 1.05  |                   |       |
| 52.0               | 34.8              | 1.05  | 36.7              | 1.00  | 38.2              | 0.90  |                   |       |                   |       |
| 50.0               | 36.2              | 0.85  | 38.0              | 0.80  | 39.4              | 0.70  |                   |       |                   |       |
| 48.0               | 37.4              | 0.65  | 39.3              | 0.55  | 40.5              | 0.55  |                   |       |                   |       |
| 47.0               | 38.0              | 0.50  |                   |       |                   |       |                   |       |                   |       |
| Min. boom angle(°) | 46                |       | 47                |       | 47                |       | 51                |       | 64                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |

**Specification SC2**

 Outriggers intermediately extended (6.0m) over side, with 15.3ton counterweight mounted to crane  
 40.5m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 5.9               | 4.30  | 9.0               | 4.30  | 12.9              | 4.20  | 15.2              | 3.20  | 16.5              | 2.45  |
| 80.0               | 9.4               | 4.30  | 12.9              | 4.30  | 16.3              | 3.80  | 18.3              | 3.00  | 19.6              | 2.45  |
| 77.0               | 12.7              | 4.30  | 16.1              | 4.30  | 19.1              | 3.55  | 21.0              | 2.90  | 22.0              | 2.40  |
| 75.0               | 14.9              | 4.30  | 18.2              | 4.25  | 21.0              | 3.40  | 22.7              | 2.80  | 23.6              | 2.35  |
| 72.0               | 18.2              | 4.30  | 21.1              | 4.00  | 23.7              | 3.20  | 25.2              | 2.75  | 25.9              | 2.35  |
| 70.0               | 20.3              | 4.30  | 23.0              | 3.70  | 25.4              | 3.10  | 26.9              | 2.70  | 27.4              | 2.35  |
| 67.0               | 22.8              | 3.25  | 25.4              | 2.80  | 27.7              | 2.50  | 29.2              | 2.30  | 29.6              | 2.35  |
| 65.0               | 24.4              | 2.65  | 27.0              | 2.30  | 29.1              | 2.10  | 30.4              | 2.00  |                   |       |
| 62.0               | 26.9              | 1.95  | 29.2              | 1.70  | 31.2              | 1.55  | 32.4              | 1.50  |                   |       |
| 60.0               | 28.5              | 1.50  | 30.7              | 1.35  | 32.6              | 1.25  | 33.7              | 1.20  |                   |       |
| 58.0               | 30.1              | 1.20  | 32.2              | 1.05  | 33.9              | 1.00  | 34.9              | 0.95  |                   |       |
| 57.0               | 30.9              | 1.00  | 32.9              | 0.95  |                   |       |                   |       |                   |       |
| Min. boom angle(°) | 56                |       | 56                |       | 57                |       | 57                |       | 64                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |

**Specification SC3**

 Outriggers intermediately extended (5.0m) over side, with 15.3ton counterweight mounted to crane  
 40.5m Boom + 14.6m SL Jib

| Boom angle<br>( ° )  | Offset 2°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|----------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                      | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                      | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0                 | 5.9               | 4.30  | 9.0               | 4.30  | 12.9              | 4.20  | 15.2              | 3.20  | 16.5              | 2.45  |
| 80.0                 | 9.4               | 4.30  | 12.9              | 4.30  | 16.3              | 3.80  | 18.3              | 3.00  | 19.6              | 2.45  |
| 77.0                 | 12.7              | 4.30  | 16.1              | 4.30  | 19.1              | 3.55  | 21.0              | 2.90  | 22.0              | 2.40  |
| 75.0                 | 14.9              | 4.30  | 18.2              | 4.25  | 21.0              | 3.40  | 22.7              | 2.80  | 23.6              | 2.35  |
| 72.0                 | 18.2              | 4.20  | 20.9              | 3.50  | 23.5              | 3.00  | 25.2              | 2.75  | 25.9              | 2.35  |
| 70.0                 | 19.9              | 3.35  | 22.5              | 2.85  | 25.0              | 2.45  | 26.6              | 2.30  | 27.4              | 2.20  |
| 67.0                 | 22.4              | 2.40  | 24.9              | 2.05  | 27.2              | 1.80  | 28.7              | 1.70  | 29.4              | 1.65  |
| 65.0                 | 24.0              | 1.85  | 26.5              | 1.60  | 28.7              | 1.45  | 30.1              | 1.35  |                   |       |
| 64.0                 | 24.8              | 1.65  | 27.3              | 1.40  | 29.4              | 1.30  | 30.7              | 1.20  |                   |       |
| Min. boom angle( ° ) | 63                |       | 63                |       | 63                |       | 63                |       | 64                |       |
| Standard hook        | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass            | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line        | 1                 |       |                   |       |                   |       |                   |       |                   |       |

**Specification SC4**

 Outriggers intermediately extended (4.2m) over side, with 15.3ton counterweight mounted to crane  
 40.5m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 5.9               | 4.30  | 9.0               | 4.30  | 12.9              | 4.20  | 15.2              | 3.20  | 16.5              | 2.45  |
| 80.0               | 9.4               | 4.30  | 12.9              | 4.30  | 16.3              | 3.80  | 18.3              | 3.00  | 19.6              | 2.45  |
| 77.0               | 12.7              | 4.30  | 16.1              | 4.30  | 19.1              | 3.55  | 21.0              | 2.90  | 22.0              | 2.40  |
| 75.0               | 14.9              | 4.30  | 18.0              | 3.95  | 20.8              | 3.25  | 22.7              | 2.80  | 23.6              | 2.35  |
| 72.0               | 17.8              | 3.35  | 20.6              | 2.75  | 23.2              | 2.35  | 24.9              | 2.15  | 25.8              | 2.05  |
| 70.0               | 19.6              | 2.55  | 22.2              | 2.15  | 24.7              | 1.85  | 26.4              | 1.70  | 27.2              | 1.65  |
| 69.0               | 20.4              | 2.25  | 23.0              | 1.90  | 25.5              | 1.65  | 27.1              | 1.50  | 27.8              | 1.50  |
| Min. boom angle(°) | 68                |       | 68                |       | 68                |       | 68                |       | 68                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SC1

Outriggers fully extended (7.2m) 360° full range, with 15.3ton counterweight mounted to crane  
40.5m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 2.70          | 12.1                     | 2.70          | 17.0                     | 2.35          | 20.3                     | 1.85          | 22.1                     | 1.50          |
| 80.0               | 10.8                     | 2.70          | 16.3                     | 2.70          | 20.6                     | 2.20          | 23.5                     | 1.75          | 25.1                     | 1.45          |
| 77.0               | 14.4                     | 2.70          | 19.9                     | 2.70          | 23.6                     | 2.10          | 26.2                     | 1.70          | 27.6                     | 1.45          |
| 75.0               | 16.9                     | 2.70          | 22.0                     | 2.60          | 25.5                     | 2.00          | 28.0                     | 1.70          | 29.2                     | 1.40          |
| 72.0               | 20.6                     | 2.70          | 25.2                     | 2.40          | 28.4                     | 1.90          | 30.6                     | 1.60          | 31.5                     | 1.40          |
| 70.0               | 22.9                     | 2.70          | 27.2                     | 2.30          | 30.3                     | 1.85          | 32.3                     | 1.60          | 33.0                     | 1.40          |
| 67.0               | 26.4                     | 2.70          | 30.1                     | 2.15          | 32.9                     | 1.75          | 34.7                     | 1.55          | 35.2                     | 1.40          |
| 65.0               | 28.5                     | 2.65          | 31.9                     | 2.10          | 34.6                     | 1.70          | 36.2                     | 1.55          |                          |               |
| 62.0               | 31.5                     | 2.20          | 34.6                     | 1.95          | 37.1                     | 1.70          | 38.5                     | 1.55          |                          |               |
| 60.0               | 32.8                     | 1.90          | 36.3                     | 1.65          | 38.7                     | 1.50          | 39.9                     | 1.50          |                          |               |
| 57.0               | 35.3                     | 1.45          | 38.3                     | 1.25          | 40.6                     | 1.15          | 41.7                     | 1.15          |                          |               |
| 55.0               | 36.9                     | 1.15          | 39.8                     | 1.05          | 41.9                     | 1.00          | 42.9                     | 0.95          |                          |               |
| 53.0               | 38.4                     | 0.95          | 41.2                     | 0.85          | 43.2                     | 0.80          | 44.0                     | 0.80          |                          |               |
| 52.0               | 39.1                     | 0.85          | 41.9                     | 0.75          | 43.8                     | 0.70          |                          |               |                          |               |
| 50.0               | 40.6                     | 0.60          | 43.2                     | 0.55          | 45.0                     | 0.55          |                          |               |                          |               |
| Min. boom angle(°) | 49                       |               | 49                       |               | 49                       |               | 51                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC2

Outriggers intermediately extended (6.0m) over side, with 15.3ton counterweight mounted to crane  
40.5m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 2.70          | 12.1                     | 2.70          | 17.0                     | 2.35          | 20.3                     | 1.85          | 22.1                     | 1.50          |
| 80.0               | 10.8                     | 2.70          | 16.3                     | 2.70          | 20.6                     | 2.20          | 23.5                     | 1.75          | 25.1                     | 1.45          |
| 77.0               | 14.4                     | 2.70          | 19.9                     | 2.70          | 23.6                     | 2.10          | 26.2                     | 1.70          | 27.6                     | 1.45          |
| 75.0               | 16.9                     | 2.70          | 22.0                     | 2.60          | 25.5                     | 2.00          | 28.0                     | 1.70          | 29.2                     | 1.40          |
| 72.0               | 20.6                     | 2.70          | 25.2                     | 2.40          | 28.4                     | 1.90          | 30.6                     | 1.60          | 31.5                     | 1.40          |
| 70.0               | 22.9                     | 2.70          | 27.2                     | 2.30          | 30.3                     | 1.85          | 32.3                     | 1.60          | 33.0                     | 1.40          |
| 67.0               | 26.4                     | 2.50          | 30.1                     | 2.10          | 32.9                     | 1.75          | 34.7                     | 1.55          | 35.2                     | 1.40          |
| 65.0               | 28.0                     | 2.10          | 31.6                     | 1.80          | 34.6                     | 1.55          | 36.2                     | 1.55          |                          |               |
| 62.0               | 30.5                     | 1.55          | 33.9                     | 1.30          | 36.7                     | 1.20          | 38.2                     | 1.20          |                          |               |
| 60.0               | 32.1                     | 1.25          | 35.4                     | 1.05          | 38.0                     | 1.05          | 39.5                     | 0.95          |                          |               |
| 58.0               | 33.7                     | 0.95          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 57                       |               | 59                       |               | 59                       |               | 59                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC3

Outriggers intermediately extended (5.0m) over side, with 15.3ton counterweight mounted to crane  
40.5m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 2.70          | 12.1                     | 2.70          | 17.0                     | 2.35          | 20.3                     | 1.85          | 22.1                     | 1.50          |
| 80.0               | 10.8                     | 2.70          | 16.3                     | 2.70          | 20.6                     | 2.20          | 23.5                     | 1.75          | 25.1                     | 1.45          |
| 77.0               | 14.4                     | 2.70          | 19.9                     | 2.70          | 23.6                     | 2.10          | 26.2                     | 1.70          | 27.6                     | 1.45          |
| 75.0               | 16.9                     | 2.70          | 22.0                     | 2.60          | 25.5                     | 2.00          | 28.0                     | 1.70          | 29.2                     | 1.40          |
| 72.0               | 20.6                     | 2.70          | 25.2                     | 2.40          | 28.4                     | 1.90          | 30.6                     | 1.60          | 31.5                     | 1.40          |
| 70.0               | 22.9                     | 2.70          | 27.0                     | 2.05          | 30.3                     | 1.80          | 32.3                     | 1.60          | 33.0                     | 1.40          |
| 67.0               | 25.6                     | 1.90          | 29.4                     | 1.50          | 32.5                     | 1.35          | 34.5                     | 1.25          | 35.2                     | 1.25          |
| 66.0               | 26.5                     | 1.65          | 30.2                     | 1.35          | 33.2                     | 1.20          | 35.2                     | 1.10          |                          |               |
| 65.0               | 27.4                     | 1.45          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 64                       |               | 65                       |               | 65                       |               | 65                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC4

Outriggers intermediately extended (4.2m) over side, with 15.3ton counterweight mounted to crane  
40.5m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 2.70          | 12.1                     | 2.70          | 17.0                     | 2.35          | 20.3                     | 1.85          | 22.1                     | 1.50          |
| 80.0               | 10.8                     | 2.70          | 16.3                     | 2.70          | 20.6                     | 2.20          | 23.5                     | 1.75          | 25.1                     | 1.45          |
| 77.0               | 14.4                     | 2.70          | 19.9                     | 2.70          | 23.6                     | 2.10          | 26.2                     | 1.70          | 27.6                     | 1.45          |
| 75.0               | 16.9                     | 2.70          | 22.0                     | 2.60          | 25.5                     | 2.00          | 28.0                     | 1.70          | 29.2                     | 1.40          |
| 72.0               | 20.6                     | 2.65          | 24.8                     | 2.00          | 28.2                     | 1.70          | 30.7                     | 1.55          | 31.5                     | 1.40          |
| 71.0               | 21.4                     | 2.35          | 25.6                     | 1.80          | 29.1                     | 1.50          | 31.5                     | 1.35          | 32.3                     | 1.40          |
| 70.0               | 22.4                     | 2.05          |                          |               |                          |               |                          |               |                          |               |
| 69.0               | 23.3                     | 1.75          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 68                       |               | 70                       |               | 70                       |               | 70                       |               | 70                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SC1**

 Outriggers fully extended (7.2m) 360° full range, with 15.3ton counterweight mounted to crane  
 47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                   | 4.50          | 8.0                   | 4.50          | 10.2                  | 4.50          | 11.9                  | 4.50          | 12.9                  | 4.50          |
| 80.0               | 10.6                  | 4.50          | 12.3                  | 4.50          | 14.2                  | 4.50          | 15.7                  | 4.50          | 16.6                  | 4.50          |
| 77.0               | 14.1                  | 4.50          | 15.7                  | 4.50          | 17.5                  | 4.50          | 18.9                  | 4.50          | 19.5                  | 4.50          |
| 75.0               | 16.5                  | 4.50          | 18.0                  | 4.50          | 19.7                  | 4.50          | 20.9                  | 4.50          | 21.5                  | 4.50          |
| 72.0               | 19.9                  | 4.50          | 21.2                  | 4.50          | 22.9                  | 4.50          | 24.0                  | 4.40          | 24.4                  | 4.30          |
| 70.0               | 22.1                  | 4.50          | 23.2                  | 4.30          | 24.9                  | 3.80          | 25.4                  | 3.80          | 26.2                  | 3.60          |
| 68.0               | 23.8                  | 3.75          | 25.0                  | 3.50          | 26.1                  | 3.35          | 26.9                  | 3.20          | 28.1                  | 2.90          |
| 67.0               | 24.6                  | 3.45          | 25.7                  | 3.20          | 26.9                  | 3.05          | 27.6                  | 2.95          |                       |               |
| 65.0               | 26.2                  | 2.85          | 27.3                  | 2.70          | 28.5                  | 2.55          | 29.1                  | 2.50          |                       |               |
| 62.0               | 28.5                  | 2.20          | 29.6                  | 2.05          | 30.8                  | 1.90          | 31.2                  | 1.95          |                       |               |
| 60.0               | 30.1                  | 1.75          | 31.1                  | 1.65          | 32.2                  | 1.55          | 32.6                  | 1.55          |                       |               |
| 57.0               | 32.4                  | 1.20          | 33.4                  | 1.15          | 34.4                  | 1.10          | 34.7                  | 1.10          |                       |               |
| 56.0               | 33.2                  | 1.05          | 34.1                  | 1.00          | 35.1                  | 0.95          | 35.4                  | 0.95          |                       |               |
| 55.0               | 34.0                  | 0.90          | 34.8                  | 0.90          | 35.8                  | 0.80          |                       |               |                       |               |
| Min. boom angle(°) | 54                    |               | 54                    |               | 54                    |               | 54                    |               | 64                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |

**Specification SC2**

 Outriggers intermediately extended (6.0m) over side, with 15.3ton counterweight mounted to crane  
 47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                   | 4.50          | 8.0                   | 4.50          | 10.2                  | 4.50          | 11.9                  | 4.50          | 12.9                  | 4.50          |
| 80.0               | 10.6                  | 4.50          | 12.3                  | 4.50          | 14.2                  | 4.50          | 15.7                  | 4.50          | 16.6                  | 4.50          |
| 77.0               | 14.1                  | 4.50          | 15.7                  | 4.50          | 17.5                  | 4.50          | 18.9                  | 4.50          | 19.5                  | 4.50          |
| 75.0               | 16.5                  | 4.50          | 18.0                  | 4.50          | 19.7                  | 4.50          | 20.9                  | 4.50          | 21.5                  | 4.50          |
| 72.0               | 19.9                  | 4.30          | 21.1                  | 3.95          | 22.4                  | 3.65          | 23.3                  | 3.50          | 24.0                  | 3.30          |
| 70.0               | 21.5                  | 3.50          | 22.7                  | 3.20          | 24.0                  | 3.00          | 24.9                  | 2.85          | 25.8                  | 2.60          |
| 68.0               | 23.2                  | 2.80          | 24.3                  | 2.60          | 25.6                  | 2.40          | 26.4                  | 2.35          | 27.5                  | 2.05          |
| 67.0               | 24.0                  | 2.50          | 25.1                  | 2.35          | 26.3                  | 2.20          | 27.1                  | 2.15          |                       |               |
| 65.0               | 25.7                  | 2.00          | 26.7                  | 1.85          | 27.9                  | 1.75          | 28.6                  | 1.70          |                       |               |
| 63.0               | 27.2                  | 1.55          | 28.2                  | 1.45          | 29.5                  | 1.35          | 30.0                  | 1.35          |                       |               |
| Min. boom angle(°) | 62                    |               | 62                    |               | 62                    |               | 62                    |               | 64                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |

**Specification SC3**

 Outriggers intermediately extended (5.0m) over side, with 15.3ton counterweight mounted to crane  
 47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                   | 4.50          | 8.0                   | 4.50          | 10.2                  | 4.50          | 11.9                  | 4.50          | 12.9                  | 4.50          |
| 80.0               | 10.6                  | 4.50          | 12.3                  | 4.50          | 14.2                  | 4.50          | 15.7                  | 4.50          | 16.6                  | 4.50          |
| 77.0               | 14.1                  | 4.50          | 15.7                  | 4.50          | 17.5                  | 4.50          | 18.9                  | 4.50          | 19.5                  | 4.40          |
| 75.0               | 16.5                  | 4.50          | 18.0                  | 4.30          | 19.4                  | 3.95          | 20.5                  | 3.70          | 21.0                  | 3.60          |
| 72.0               | 19.3                  | 3.35          | 20.6                  | 3.05          | 21.9                  | 2.80          | 22.9                  | 2.65          | 23.2                  | 2.65          |
| 70.0               | 21.0                  | 2.60          | 22.2                  | 2.35          | 23.5                  | 2.20          | 24.4                  | 2.10          | 24.7                  | 2.10          |
| 69.0               | 21.8                  | 2.30          | 23.0                  | 2.10          | 24.3                  | 1.95          | 25.2                  | 1.85          |                       |               |
| Min. boom angle(°) | 68                    |               | 68                    |               | 68                    |               | 68                    |               | 68                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |

**Specification SC4**

 Outriggers intermediately extended (4.2m) over side, with 15.3ton counterweight mounted to crane  
 47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                   | 4.50          | 8.0                   | 4.50          | 10.2                  | 4.50          | 11.9                  | 4.50          | 12.9                  | 4.50          |
| 80.0               | 10.6                  | 4.50          | 12.3                  | 4.50          | 14.2                  | 4.50          | 15.7                  | 4.50          | 16.6                  | 4.50          |
| 77.0               | 14.1                  | 4.50          | 15.7                  | 4.50          | 17.2                  | 4.15          | 18.5                  | 3.75          | 19.1                  | 3.60          |
| 75.0               | 16.2                  | 3.75          | 17.6                  | 3.45          | 19.0                  | 3.20          | 20.1                  | 2.95          | 20.6                  | 2.90          |
| 72.0               | 18.9                  | 2.35          | 20.1                  | 2.30          | 21.4                  | 2.15          | 22.5                  | 2.00          | 22.9                  | 2.00          |
| Min. boom angle(°) | 71                    |               | 71                    |               | 71                    |               | 71                    |               | 71                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SC1

Outriggers fully extended (7.2m) 360° full range, with 15.3ton counterweight mounted to crane  
47.9m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.0                      | 3.20          | 10.8                     | 3.20          | 14.5                     | 3.20          | 17.0                     | 3.10          | 18.3                     | 2.45          |
| 80.0               | 11.7                     | 3.20          | 15.4                     | 3.20          | 18.9                     | 3.20          | 20.9                     | 2.90          | 21.9                     | 2.40          |
| 77.0               | 15.7                     | 3.20          | 19.2                     | 3.20          | 22.4                     | 3.20          | 24.1                     | 2.75          | 24.8                     | 2.35          |
| 75.0               | 18.3                     | 3.20          | 21.6                     | 3.20          | 24.7                     | 3.15          | 26.1                     | 2.70          | 26.7                     | 2.35          |
| 72.0               | 22.1                     | 3.20          | 25.2                     | 3.20          | 27.8                     | 3.05          | 29.0                     | 2.65          | 29.5                     | 2.35          |
| 70.0               | 24.5                     | 3.20          | 27.6                     | 3.20          | 29.8                     | 2.95          | 31.0                     | 2.60          | 31.3                     | 2.30          |
| 68.0               | 26.9                     | 3.10          | 29.9                     | 2.60          | 31.7                     | 2.45          | 32.8                     | 2.40          | 33.1                     | 2.25          |
| 67.0               | 28.0                     | 2.75          | 30.2                     | 2.50          | 32.2                     | 2.35          | 33.7                     | 2.20          |                          |               |
| 65.0               | 29.4                     | 2.35          | 31.7                     | 2.15          | 33.8                     | 2.00          | 34.9                     | 1.90          |                          |               |
| 62.0               | 31.9                     | 1.75          | 34.1                     | 1.60          | 36.1                     | 1.50          | 37.2                     | 1.45          |                          |               |
| 60.0               | 33.6                     | 1.45          | 35.7                     | 1.30          | 37.6                     | 1.20          | 38.6                     | 1.20          |                          |               |
| 57.0               | 36.2                     | 0.95          | 38.2                     | 0.90          | 39.8                     | 0.85          | 40.4                     | 0.85          |                          |               |
| 56.0               | 37.0                     | 0.85          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 55                       |               | 56                       |               | 56                       |               | 56                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC2

Outriggers intermediately extended (6.0m) over side, with 15.3ton counterweight mounted to crane  
47.9m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.0                      | 3.20          | 10.8                     | 3.20          | 14.5                     | 3.20          | 17.0                     | 3.10          | 18.3                     | 2.45          |
| 80.0               | 11.7                     | 3.20          | 15.4                     | 3.20          | 18.9                     | 3.20          | 20.9                     | 2.90          | 21.9                     | 2.40          |
| 77.0               | 15.7                     | 3.20          | 19.2                     | 3.20          | 22.4                     | 3.20          | 24.1                     | 2.75          | 24.8                     | 2.35          |
| 75.0               | 18.3                     | 3.20          | 21.6                     | 3.20          | 24.7                     | 3.15          | 26.1                     | 2.70          | 26.7                     | 2.35          |
| 72.0               | 22.1                     | 3.20          | 25.2                     | 3.00          | 27.4                     | 2.75          | 29.0                     | 2.55          | 29.5                     | 2.35          |
| 70.0               | 24.5                     | 2.80          | 26.8                     | 2.50          | 29.1                     | 2.25          | 30.5                     | 2.15          | 31.3                     | 2.10          |
| 68.0               | 26.0                     | 2.30          | 28.5                     | 2.05          | 30.7                     | 1.85          | 32.1                     | 1.75          | 33.0                     | 1.65          |
| 67.0               | 26.9                     | 2.05          | 29.4                     | 1.80          | 31.6                     | 1.65          | 32.9                     | 1.55          |                          |               |
| 65.0               | 28.7                     | 1.60          | 31.0                     | 1.45          | 33.2                     | 1.30          | 34.4                     | 1.25          |                          |               |
| 64.0               | 29.5                     | 1.40          | 31.8                     | 1.30          | 33.9                     | 1.15          | 35.1                     | 1.15          |                          |               |
| Min. boom angle(°) | 63                       |               | 63                       |               | 63                       |               | 63                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC3

Outriggers intermediately extended (5.0m) over side, with 15.3ton counterweight mounted to crane  
47.9m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.0                      | 3.20          | 10.8                     | 3.20          | 14.5                     | 3.20          | 17.0                     | 3.10          | 18.3                     | 2.45          |
| 80.0               | 11.7                     | 3.20          | 15.4                     | 3.20          | 18.9                     | 3.20          | 20.9                     | 2.90          | 21.9                     | 2.40          |
| 77.0               | 15.7                     | 3.20          | 19.2                     | 3.20          | 22.4                     | 3.20          | 24.1                     | 2.75          | 24.8                     | 2.35          |
| 75.0               | 18.3                     | 3.20          | 21.6                     | 3.20          | 24.3                     | 2.85          | 26.1                     | 2.60          | 26.7                     | 2.35          |
| 72.0               | 21.6                     | 2.80          | 24.4                     | 2.35          | 26.8                     | 2.05          | 28.4                     | 1.95          | 29.2                     | 1.90          |
| 71.0               | 22.6                     | 2.45          | 25.3                     | 2.05          | 27.7                     | 1.85          | 29.2                     | 1.70          | 29.9                     | 1.70          |
| 70.0               | 23.5                     | 2.15          | 26.2                     | 1.85          | 28.5                     | 1.65          | 29.9                     | 1.55          |                          |               |
| 69.0               | 24.4                     | 1.90          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 68                       |               | 69                       |               | 69                       |               | 69                       |               | 69                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC4

Outriggers intermediately extended (4.2m) over side, with 15.3ton counterweight mounted to crane  
47.9m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.0                      | 3.20          | 10.8                     | 3.20          | 14.5                     | 3.20          | 17.0                     | 3.10          | 18.3                     | 2.45          |
| 80.0               | 11.7                     | 3.20          | 15.4                     | 3.20          | 18.9                     | 3.20          | 20.9                     | 2.90          | 21.9                     | 2.40          |
| 77.0               | 15.7                     | 3.20          | 19.2                     | 3.20          | 22.1                     | 2.90          | 23.9                     | 2.65          | 24.8                     | 2.35          |
| 75.0               | 18.3                     | 3.20          | 21.1                     | 2.65          | 23.8                     | 2.30          | 25.6                     | 2.10          | 26.5                     | 2.05          |
| 74.0               | 19.2                     | 2.75          | 22.0                     | 2.30          | 24.6                     | 2.00          | 26.4                     | 1.85          | 27.3                     | 1.80          |
| 72.0               | 21.1                     | 2.00          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 71                       |               | 73                       |               | 73                       |               | 73                       |               | 73                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SC1**

 Outriggers fully extended (7.2m) 360° full range, with 15.3ton counterweight mounted to crane  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.5                      | 2.20          | 13.5                     | 2.20          | 18.5                     | 2.20          | 22.0                     | 1.80          | 23.9                     | 1.45          |
| 80.0               | 13.1                     | 2.20          | 18.5                     | 2.20          | 23.1                     | 2.10          | 26.0                     | 1.70          | 27.5                     | 1.45          |
| 77.0               | 17.6                     | 2.20          | 22.6                     | 2.20          | 26.6                     | 2.00          | 29.3                     | 1.65          | 30.5                     | 1.40          |
| 75.0               | 20.5                     | 2.20          | 25.2                     | 2.20          | 28.9                     | 1.90          | 31.3                     | 1.60          | 32.3                     | 1.40          |
| 72.0               | 24.7                     | 2.20          | 29.1                     | 2.20          | 32.3                     | 1.80          | 34.3                     | 1.55          | 35.1                     | 1.40          |
| 70.0               | 27.5                     | 2.20          | 31.7                     | 2.20          | 34.5                     | 1.75          | 36.3                     | 1.55          | 36.9                     | 1.35          |
| 68.0               | 30.0                     | 2.20          | 33.9                     | 2.10          | 36.5                     | 1.70          | 38.2                     | 1.55          | 38.6                     | 1.30          |
| 67.0               | 31.3                     | 2.20          | 34.9                     | 2.00          | 37.5                     | 1.70          | 39.2                     | 1.55          |                          |               |
| 65.0               | 33.7                     | 1.80          | 37.0                     | 1.55          | 39.4                     | 1.50          | 41.0                     | 1.45          |                          |               |
| 62.0               | 35.9                     | 1.40          | 39.1                     | 1.20          | 41.6                     | 1.15          | 43.0                     | 1.10          |                          |               |
| 60.0               | 37.6                     | 1.10          | 40.8                     | 1.00          | 43.2                     | 0.90          | 44.4                     | 0.90          |                          |               |
| 58.0               | 39.3                     | 0.90          | 42.4                     | 0.80          | 44.6                     | 0.75          | 45.8                     | 0.70          |                          |               |
| 57.0               | 40.2                     | 0.75          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 56                       |               | 57                       |               | 57                       |               | 57                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SC2**

 Outriggers intermediately extended (6.0m) over side, with 15.3ton counterweight mounted to crane  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.5                      | 2.20          | 13.5                     | 2.20          | 18.5                     | 2.20          | 22.0                     | 1.80          | 23.9                     | 1.45          |
| 80.0               | 13.1                     | 2.20          | 18.5                     | 2.20          | 23.1                     | 2.10          | 26.0                     | 1.70          | 27.5                     | 1.45          |
| 77.0               | 17.6                     | 2.20          | 22.6                     | 2.20          | 26.6                     | 2.00          | 29.3                     | 1.65          | 30.5                     | 1.40          |
| 75.0               | 20.5                     | 2.20          | 25.2                     | 2.20          | 28.9                     | 1.90          | 31.3                     | 1.60          | 32.3                     | 1.40          |
| 72.0               | 24.7                     | 2.20          | 29.1                     | 2.20          | 32.3                     | 1.80          | 34.3                     | 1.55          | 35.1                     | 1.40          |
| 70.0               | 27.5                     | 2.20          | 31.2                     | 1.95          | 34.5                     | 1.70          | 36.3                     | 1.55          | 36.9                     | 1.35          |
| 69.0               | 28.8                     | 2.00          | 32.1                     | 1.75          | 35.2                     | 1.55          | 37.2                     | 1.45          | 37.8                     | 1.35          |
| 67.0               | 30.3                     | 1.65          | 33.9                     | 1.40          | 36.9                     | 1.25          | 38.7                     | 1.20          |                          |               |
| 66.0               | 31.2                     | 1.45          | 34.8                     | 1.25          | 37.7                     | 1.15          | 39.6                     | 1.05          |                          |               |
| Min. boom angle(°) | 65                       |               | 65                       |               | 65                       |               | 65                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SC3**

 Outriggers intermediately extended (5.0m) over side, with 15.3ton counterweight mounted to crane  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.5                      | 2.20          | 13.5                     | 2.20          | 18.5                     | 2.20          | 22.0                     | 1.80          | 23.9                     | 1.45          |
| 80.0               | 13.1                     | 2.20          | 18.5                     | 2.20          | 23.1                     | 2.10          | 26.0                     | 1.70          | 27.5                     | 1.45          |
| 77.0               | 17.6                     | 2.20          | 22.6                     | 2.20          | 26.6                     | 2.00          | 29.3                     | 1.65          | 30.5                     | 1.40          |
| 75.0               | 20.5                     | 2.20          | 25.2                     | 2.20          | 28.9                     | 1.90          | 31.3                     | 1.60          | 32.3                     | 1.40          |
| 74.0               | 21.9                     | 2.20          | 26.5                     | 2.20          | 30.0                     | 1.85          | 32.3                     | 1.60          | 33.3                     | 1.40          |
| 72.0               | 24.7                     | 2.20          | 28.6                     | 1.80          | 31.9                     | 1.55          | 34.1                     | 1.45          |                          |               |
| 70.0               | 26.6                     | 1.75          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 69                       |               | 71                       |               | 71                       |               | 71                       |               | 71                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SC4**

 Outriggers intermediately extended (4.2m) over side, with 15.3ton counterweight mounted to crane  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.5                      | 2.20          | 13.5                     | 2.20          | 18.5                     | 2.20          | 22.0                     | 1.80          | 23.9                     | 1.45          |
| 80.0               | 13.1                     | 2.20          | 18.5                     | 2.20          | 23.1                     | 2.10          | 26.0                     | 1.70          | 27.5                     | 1.45          |
| 77.0               | 17.6                     | 2.20          | 22.6                     | 2.20          | 26.6                     | 2.00          | 29.3                     | 1.65          | 30.5                     | 1.40          |
| 76.0               | 19.0                     | 2.20          | 23.9                     | 2.20          | 27.6                     | 1.90          | 30.3                     | 1.60          |                          |               |
| 75.0               | 20.5                     | 2.20          |                          |               |                          |               |                          |               |                          |               |
| 74.0               | 21.9                     | 2.20          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 73                       |               | 75                       |               | 75                       |               | 75                       |               | 75                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SC1

Outriggers fully extended (7.2m) 360° full range, with 15.3ton counterweight mounted to crane  
51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.9                      | 4.10          | 8.5                      | 4.10          | 10.9                     | 4.10          | 12.6                     | 4.10          | 13.7                     | 4.10          |
| 80.0               | 11.6                     | 4.10          | 13.3                     | 4.10          | 15.3                     | 4.10          | 16.9                     | 4.10          | 17.6                     | 4.10          |
| 77.0               | 15.6                     | 4.10          | 17.2                     | 4.10          | 19.0                     | 4.10          | 20.4                     | 4.10          | 21.0                     | 4.10          |
| 75.0               | 18.2                     | 4.10          | 19.6                     | 4.10          | 21.4                     | 4.10          | 22.6                     | 4.10          | 23.1                     | 4.10          |
| 72.0               | 21.8                     | 4.10          | 23.3                     | 4.10          | 24.8                     | 3.80          | 25.8                     | 3.65          | 26.0                     | 3.65          |
| 70.0               | 24.3                     | 3.50          | 25.4                     | 3.30          | 26.4                     | 3.20          | 27.6                     | 2.95          | 27.8                     | 2.95          |
| 69.0               | 24.8                     | 3.30          | 25.8                     | 3.20          | 27.2                     | 2.95          | 28.0                     | 2.80          | 28.2                     | 2.80          |
| 67.0               | 26.4                     | 2.75          | 27.4                     | 2.60          | 28.8                     | 2.40          | 29.6                     | 2.30          |                          |               |
| 65.0               | 28.2                     | 2.20          | 29.2                     | 2.10          | 30.4                     | 2.00          | 31.1                     | 1.95          |                          |               |
| 62.0               | 30.7                     | 1.55          | 31.7                     | 1.45          | 32.8                     | 1.40          | 33.4                     | 1.40          |                          |               |
| 61.0               | 31.6                     | 1.35          | 32.4                     | 1.35          | 33.6                     | 1.25          | 34.2                     | 1.20          |                          |               |
| 60.0               | 32.5                     | 1.15          | 33.2                     | 1.15          | 34.5                     | 1.05          |                          |               |                          |               |
| Min. boom angle(°) | 59                       |               | 59                       |               | 59                       |               | 59                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC2

Outriggers intermediately extended (6.0m) over side, with 15.3ton counterweight mounted to crane  
51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.9                      | 4.10          | 8.5                      | 4.10          | 10.9                     | 4.10          | 12.6                     | 4.10          | 13.7                     | 4.10          |
| 80.0               | 11.6                     | 4.10          | 13.3                     | 4.10          | 15.3                     | 4.10          | 16.9                     | 4.10          | 17.6                     | 4.10          |
| 77.0               | 15.6                     | 4.10          | 17.2                     | 4.10          | 19.0                     | 4.10          | 20.4                     | 4.10          | 21.0                     | 4.10          |
| 75.0               | 18.2                     | 4.10          | 19.6                     | 4.10          | 21.4                     | 4.10          | 22.6                     | 3.75          | 23.1                     | 3.70          |
| 72.0               | 21.4                     | 3.50          | 22.5                     | 3.25          | 24.0                     | 2.95          | 24.9                     | 2.85          | 25.2                     | 2.85          |
| 70.0               | 23.1                     | 2.80          | 24.3                     | 2.55          | 25.7                     | 2.35          | 26.5                     | 2.30          | 26.8                     | 2.30          |
| 69.0               | 24.0                     | 2.45          | 25.1                     | 2.30          | 26.5                     | 2.15          | 27.3                     | 2.05          | 27.6                     | 2.05          |
| 67.0               | 25.6                     | 1.95          | 26.7                     | 1.80          | 28.1                     | 1.65          | 29.0                     | 1.60          |                          |               |
| 66.0               | 26.5                     | 1.70          | 27.6                     | 1.55          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 65                       |               | 65                       |               | 66                       |               | 66                       |               | 66                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC3

Outriggers intermediately extended (5.0m) over side, with 15.3ton counterweight mounted to crane  
51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.9                      | 4.10          | 8.5                      | 4.10          | 10.9                     | 4.10          | 12.6                     | 4.10          | 13.7                     | 4.10          |
| 80.0               | 11.6                     | 4.10          | 13.3                     | 4.10          | 15.3                     | 4.10          | 16.9                     | 4.10          | 17.6                     | 4.10          |
| 77.0               | 15.6                     | 4.10          | 17.2                     | 4.10          | 19.0                     | 4.10          | 20.2                     | 3.80          | 20.8                     | 3.70          |
| 75.0               | 18.0                     | 3.90          | 19.2                     | 3.65          | 20.8                     | 3.25          | 21.9                     | 3.05          | 22.4                     | 3.00          |
| 73.0               | 19.8                     | 3.00          | 21.0                     | 2.80          | 22.5                     | 2.55          | 23.5                     | 2.40          | 24.0                     | 2.35          |
| 72.0               | 20.7                     | 2.60          | 21.9                     | 2.45          | 23.4                     | 2.25          | 24.3                     | 2.10          |                          |               |
| 71.0               | 21.6                     | 2.25          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 70                       |               | 71                       |               | 71                       |               | 71                       |               | 71                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC4

Outriggers intermediately extended (4.2m) over side, with 15.3ton counterweight mounted to crane  
51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.9                      | 4.10          | 8.5                      | 4.10          | 10.9                     | 4.10          | 12.6                     | 4.10          | 13.7                     | 4.10          |
| 80.0               | 11.6                     | 4.10          | 13.3                     | 4.10          | 15.3                     | 4.10          | 16.9                     | 4.10          | 17.6                     | 4.10          |
| 77.0               | 15.6                     | 4.10          | 16.8                     | 3.70          | 18.4                     | 3.35          | 19.7                     | 3.10          | 20.3                     | 3.05          |
| 75.0               | 17.4                     | 2.90          | 18.6                     | 2.80          | 20.2                     | 2.50          | 21.4                     | 2.35          | 22.0                     | 2.30          |
| Min. boom angle(°) | 74                       |               | 74                       |               | 74                       |               | 74                       |               | 74                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SC1**

 Outriggers fully extended (7.2m) 360° full range, with 15.3ton counterweight mounted to crane  
 51.3m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.3                   | 3.00          | 11.3                  | 3.00          | 15.2                  | 3.00          | 17.9                  | 3.00          | 19.2                  | 2.40          |
| 80.0               | 12.5                  | 3.00          | 16.2                  | 3.00          | 19.9                  | 3.00          | 22.2                  | 2.85          | 23.0                  | 2.35          |
| 77.0               | 16.9                  | 3.00          | 20.4                  | 3.00          | 23.8                  | 3.00          | 25.6                  | 2.75          | 26.2                  | 2.35          |
| 75.0               | 19.7                  | 3.00          | 23.1                  | 3.00          | 26.3                  | 3.00          | 27.8                  | 2.70          | 28.3                  | 2.30          |
| 72.0               | 23.8                  | 3.00          | 27.0                  | 3.00          | 29.8                  | 2.90          | 31.0                  | 2.60          | 31.3                  | 2.30          |
| 70.0               | 26.5                  | 3.00          | 29.6                  | 2.60          | 31.8                  | 2.40          | 33.0                  | 2.35          | 33.2                  | 2.30          |
| 69.0               | 27.9                  | 2.70          | 30.7                  | 2.30          | 32.7                  | 2.20          | 34.0                  | 2.10          | 34.2                  | 2.10          |
| 67.0               | 29.5                  | 2.25          | 31.9                  | 2.05          | 34.0                  | 1.90          | 35.3                  | 1.80          |                       |               |
| 65.0               | 31.2                  | 1.85          | 33.7                  | 1.65          | 35.6                  | 1.55          | 36.9                  | 1.50          |                       |               |
| 62.0               | 34.1                  | 1.25          | 36.3                  | 1.15          | 38.1                  | 1.05          | 39.2                  | 1.05          |                       |               |
| 61.0               | 35.0                  | 1.10          | 37.2                  | 1.00          | 38.8                  | 0.95          |                       |               |                       |               |
| 60.0               | 35.9                  | 0.95          |                       |               |                       |               |                       |               |                       |               |
| Min. boom angle(°) | 59                    |               | 60                    |               | 60                    |               | 60                    |               | 65                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |

**Specification SC2**

 Outriggers intermediately extended (6.0m) over side, with 15.3ton counterweight mounted to crane  
 51.3m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.3                   | 3.00          | 11.3                  | 3.00          | 15.2                  | 3.00          | 17.9                  | 3.00          | 19.2                  | 2.40          |
| 80.0               | 12.5                  | 3.00          | 16.2                  | 3.00          | 19.9                  | 3.00          | 22.2                  | 2.85          | 23.0                  | 2.35          |
| 77.0               | 16.9                  | 3.00          | 20.4                  | 3.00          | 23.8                  | 3.00          | 25.6                  | 2.75          | 26.2                  | 2.35          |
| 75.0               | 19.7                  | 3.00          | 23.1                  | 3.00          | 26.3                  | 3.00          | 27.8                  | 2.70          | 28.3                  | 2.30          |
| 72.0               | 23.8                  | 2.95          | 26.4                  | 2.60          | 28.9                  | 2.25          | 30.4                  | 2.15          | 31.3                  | 2.10          |
| 70.0               | 25.7                  | 2.35          | 28.3                  | 2.05          | 30.6                  | 1.85          | 32.1                  | 1.75          | 32.7                  | 1.75          |
| 68.0               | 27.6                  | 1.80          | 30.1                  | 1.60          | 32.2                  | 1.45          | 33.8                  | 1.35          |                       |               |
| 67.0               | 28.5                  | 1.60          | 31.0                  | 1.40          |                       |               |                       |               |                       |               |
| Min. boom angle(°) | 66                    |               | 66                    |               | 67                    |               | 67                    |               | 67                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |

**Specification SC3**

 Outriggers intermediately extended (5.0m) over side, with 15.3ton counterweight mounted to crane  
 51.3m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.3                   | 3.00          | 11.3                  | 3.00          | 15.2                  | 3.00          | 17.9                  | 3.00          | 19.2                  | 2.40          |
| 80.0               | 12.5                  | 3.00          | 16.2                  | 3.00          | 19.9                  | 3.00          | 22.2                  | 2.85          | 23.0                  | 2.35          |
| 77.0               | 16.9                  | 3.00          | 20.4                  | 3.00          | 23.8                  | 3.00          | 25.6                  | 2.75          | 26.2                  | 2.35          |
| 75.0               | 19.7                  | 3.00          | 22.8                  | 2.85          | 25.5                  | 2.40          | 27.3                  | 2.20          | 28.3                  | 2.30          |
| 74.0               | 21.1                  | 2.95          | 23.8                  | 2.50          | 26.3                  | 2.20          | 28.1                  | 2.00          | 29.0                  | 1.95          |
| 73.0               | 22.0                  | 2.60          | 24.7                  | 2.20          | 27.1                  | 1.95          | 28.9                  | 1.80          |                       |               |
| 72.0               | 23.2                  | 2.20          | 25.6                  | 1.95          |                       |               |                       |               |                       |               |
| Min. boom angle(°) | 71                    |               | 71                    |               | 72                    |               | 72                    |               | 72                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |

**Specification SC4**

 Outriggers intermediately extended (4.2m) over side, with 15.3ton counterweight mounted to crane  
 51.3m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.3                   | 3.00          | 11.3                  | 3.00          | 15.2                  | 3.00          | 17.9                  | 3.00          | 19.2                  | 2.40          |
| 80.0               | 12.5                  | 3.00          | 16.2                  | 3.00          | 19.9                  | 3.00          | 22.2                  | 2.85          | 23.0                  | 2.35          |
| 77.0               | 16.9                  | 3.00          | 20.4                  | 2.80          | 23.0                  | 2.40          | 25.1                  | 2.20          | 26.1                  | 2.15          |
| 76.0               | 18.3                  | 3.00          | 21.8                  | 2.25          | 23.9                  | 2.10          |                       |               |                       |               |
| Min. boom angle(°) | 75                    |               | 75                    |               | 75                    |               | 76                    |               | 76                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SC1

Outriggers fully extended (7.2m) 360° full range, with 15.3ton counterweight mounted to crane  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 8.6                      | 2.10          | 14.2                     | 2.10          | 19.6                     | 2.10          | 22.9                     | 1.75          | 24.8                     | 1.45          |
| 80.0               | 14.2                     | 2.10          | 19.7                     | 2.10          | 24.5                     | 2.05          | 27.2                     | 1.70          | 28.7                     | 1.40          |
| 77.0               | 19.0                     | 2.10          | 24.3                     | 2.10          | 28.5                     | 1.95          | 30.8                     | 1.60          | 31.9                     | 1.40          |
| 75.0               | 22.2                     | 2.10          | 27.2                     | 2.10          | 30.9                     | 1.85          | 33.1                     | 1.60          | 33.9                     | 1.40          |
| 72.0               | 26.8                     | 2.10          | 31.4                     | 2.10          | 34.6                     | 1.75          | 36.4                     | 1.55          | 36.9                     | 1.40          |
| 70.0               | 29.8                     | 2.10          | 34.0                     | 2.05          | 36.8                     | 1.75          | 38.5                     | 1.55          | 38.8                     | 1.40          |
| 69.0               | 31.2                     | 2.10          | 35.2                     | 1.85          | 37.9                     | 1.75          | 39.5                     | 1.55          | 39.7                     | 1.40          |
| 67.0               | 33.8                     | 1.70          | 36.7                     | 1.55          | 39.6                     | 1.45          | 41.5                     | 1.35          |                          |               |
| 65.0               | 35.0                     | 1.50          | 38.4                     | 1.30          | 41.3                     | 1.15          | 42.8                     | 1.10          |                          |               |
| 64.0               | 35.9                     | 1.35          | 39.3                     | 1.10          | 42.1                     | 1.00          |                          |               |                          |               |
| 63.0               | 36.8                     | 1.15          | 40.2                     | 1.00          |                          |               |                          |               |                          |               |
| 62.0               | 37.7                     | 1.05          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 61                       |               | 62                       |               | 62                       |               | 62                       |               | 65                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC2

Outriggers intermediately extended (6.0m) over side, with 15.3ton counterweight mounted to crane  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 8.6                      | 2.10          | 14.2                     | 2.10          | 19.6                     | 2.10          | 22.9                     | 1.75          | 24.8                     | 1.45          |
| 80.0               | 14.2                     | 2.10          | 19.7                     | 2.10          | 24.5                     | 2.05          | 27.2                     | 1.70          | 28.7                     | 1.40          |
| 77.0               | 19.0                     | 2.10          | 24.3                     | 2.10          | 28.5                     | 1.95          | 30.8                     | 1.60          | 31.9                     | 1.40          |
| 75.0               | 22.2                     | 2.10          | 27.2                     | 2.10          | 30.9                     | 1.85          | 33.1                     | 1.60          | 33.9                     | 1.40          |
| 73.0               | 25.2                     | 2.10          | 30.0                     | 2.10          | 33.4                     | 1.80          | 35.3                     | 1.55          | 35.9                     | 1.40          |
| 72.0               | 26.8                     | 2.10          | 31.4                     | 1.85          | 34.6                     | 1.60          | 36.4                     | 1.55          |                          |               |
| 70.0               | 29.2                     | 1.80          | 32.8                     | 1.55          | 36.0                     | 1.35          |                          |               |                          |               |
| 69.0               | 30.1                     | 1.60          | 33.7                     | 1.35          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 68                       |               | 68                       |               | 69                       |               | 69                       |               | 69                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC3

Outriggers intermediately extended (5.0m) over side, with 15.3ton counterweight mounted to crane  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 8.6                      | 2.10          | 14.2                     | 2.10          | 19.6                     | 2.10          | 22.9                     | 1.75          | 24.8                     | 1.45          |
| 80.0               | 14.2                     | 2.10          | 19.7                     | 2.10          | 24.5                     | 2.05          | 27.2                     | 1.70          | 28.7                     | 1.40          |
| 77.0               | 19.0                     | 2.10          | 24.3                     | 2.10          | 28.5                     | 1.95          | 30.8                     | 1.60          | 31.9                     | 1.40          |
| 76.0               | 20.6                     | 2.10          | 25.8                     | 2.10          | 29.7                     | 1.90          | 32.0                     | 1.60          |                          |               |
| 75.0               | 22.2                     | 2.10          | 27.2                     | 2.05          | 30.7                     | 1.80          |                          |               |                          |               |
| 74.0               | 23.7                     | 2.10          | 28.1                     | 1.85          | 31.6                     | 1.60          |                          |               |                          |               |
| Min. boom angle(°) | 73                       |               | 73                       |               | 73                       |               | 74                       |               | 74                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

### Specification SC4

Outriggers intermediately extended (4.2m) over side, with 15.3ton counterweight mounted to crane  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 8.6                      | 2.10          | 14.2                     | 2.10          | 19.6                     | 2.10          | 22.9                     | 1.75          | 24.8                     | 1.45          |
| 80.0               | 14.2                     | 2.10          | 19.7                     | 2.10          | 24.5                     | 2.05          | 27.2                     | 1.70          | 28.7                     | 1.40          |
| 79.0               | 15.8                     | 2.10          | 21.3                     | 2.10          | 25.9                     | 2.05          | 28.4                     | 1.65          | 29.8                     | 1.40          |
| 78.0               | 17.4                     | 2.10          | 22.8                     | 2.10          | 27.3                     | 1.90          | 29.6                     | 1.65          |                          |               |
| 77.0               | 19.0                     | 2.10          |                          |               |                          |               |                          |               |                          |               |
| 76.0               | 20.6                     | 2.10          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 75                       |               | 77                       |               | 77                       |               | 77                       |               | 77                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

SS

SA

SB

SC

SD

SE

33.2m Boom

40.5m Boom

47.9m Boom

51.3m Boom

**Specification SD1**

 Outriggers fully extended (7.2m) 360° full range, with 7.4ton counterweight mounted to crane  
 33.2m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 4.6               | 5.60  | 5.9               | 5.60  | 7.7               | 5.60  | 9.3               | 5.60  | 10.2              | 5.05  |
| 80.0               | 7.1               | 5.60  | 8.5               | 5.60  | 10.3              | 5.60  | 11.7              | 5.60  | 12.5              | 4.85  |
| 77.0               | 9.5               | 5.60  | 10.8              | 5.60  | 12.6              | 5.60  | 13.8              | 5.60  | 14.4              | 4.80  |
| 75.0               | 11.0              | 5.60  | 12.3              | 5.60  | 14.0              | 5.60  | 15.2              | 5.55  | 15.7              | 4.75  |
| 72.0               | 13.3              | 5.60  | 14.5              | 5.60  | 16.1              | 5.60  | 17.1              | 5.45  | 17.5              | 4.70  |
| 70.0               | 14.8              | 5.60  | 15.9              | 5.60  | 17.4              | 5.60  | 18.4              | 5.20  | 18.7              | 4.70  |
| 67.0               | 16.9              | 5.20  | 18.0              | 4.80  | 19.4              | 4.30  | 20.0              | 4.20  | 20.5              | 4.05  |
| 65.0               | 18.0              | 4.45  | 19.0              | 4.15  | 20.3              | 3.80  | 21.1              | 3.60  | 21.3              | 3.60  |
| 64.0               | 18.6              | 4.10  | 19.6              | 3.80  | 20.8              | 3.55  | 21.6              | 3.35  | 21.8              | 3.35  |
| 62.0               | 19.8              | 3.45  | 20.8              | 3.20  | 22.0              | 2.95  | 22.7              | 2.85  |                   |       |
| 60.0               | 21.0              | 2.90  | 21.9              | 2.75  | 23.0              | 2.55  | 23.7              | 2.45  |                   |       |
| 57.0               | 22.6              | 2.25  | 23.7              | 2.05  | 24.6              | 1.95  | 25.2              | 1.90  |                   |       |
| 55.0               | 23.8              | 1.80  | 24.8              | 1.70  | 25.6              | 1.65  | 26.2              | 1.60  |                   |       |
| 52.0               | 25.4              | 1.35  | 26.3              | 1.25  | 27.2              | 1.20  | 27.6              | 1.15  |                   |       |
| 51.0               | 25.9              | 1.20  | 26.8              | 1.10  | 27.7              | 1.05  | 28.0              | 1.05  |                   |       |
| 50.0               | 26.4              | 1.05  | 27.3              | 1.00  | 28.2              | 0.95  |                   |       |                   |       |
| 47.0               | 27.9              | 0.70  | 28.7              | 0.65  | 29.6              | 0.55  |                   |       |                   |       |
| Min. boom angle(°) | 46                |       | 46                |       | 46                |       | 50                |       | 62                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |

**Specification SD2**

 Outriggers intermediately extended (6.0m) over side, with 7.4ton counterweight mounted to crane  
 33.2m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 4.6               | 5.60  | 5.9               | 5.60  | 7.7               | 5.60  | 9.3               | 5.60  | 10.2              | 5.05  |
| 80.0               | 7.1               | 5.60  | 8.5               | 5.60  | 10.3              | 5.60  | 11.7              | 5.60  | 12.5              | 4.85  |
| 77.0               | 9.5               | 5.60  | 10.8              | 5.60  | 12.6              | 5.60  | 13.8              | 5.60  | 14.4              | 4.80  |
| 75.0               | 11.0              | 5.60  | 12.3              | 5.60  | 14.0              | 5.60  | 15.2              | 5.55  | 15.7              | 4.75  |
| 72.0               | 13.3              | 5.60  | 14.5              | 5.60  | 16.1              | 4.95  | 16.9              | 4.75  | 17.5              | 4.50  |
| 70.0               | 14.8              | 5.10  | 15.7              | 4.75  | 17.1              | 4.25  | 18.1              | 3.95  | 18.5              | 3.85  |
| 67.0               | 16.5              | 3.85  | 17.5              | 3.60  | 18.9              | 3.20  | 19.8              | 3.00  | 20.1              | 3.00  |
| 65.0               | 17.7              | 3.15  | 18.7              | 2.95  | 20.0              | 2.70  | 20.8              | 2.55  | 21.1              | 2.50  |
| 64.0               | 18.3              | 2.85  | 19.3              | 2.65  | 20.6              | 2.40  | 21.4              | 2.30  | 21.6              | 2.30  |
| 62.0               | 19.5              | 2.30  | 20.5              | 2.15  | 21.7              | 1.95  | 22.4              | 1.85  |                   |       |
| 60.0               | 20.7              | 1.80  | 21.7              | 1.65  | 22.8              | 1.55  | 23.5              | 1.50  |                   |       |
| 57.0               | 22.4              | 1.20  | 23.4              | 1.10  | 24.3              | 1.05  | 25.0              | 1.00  |                   |       |
| Min. boom angle(°) | 56                |       | 56                |       | 56                |       | 56                |       | 63                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |

**LIFTING CAPACITIES (14.6m SL Jib)**
**Specification SD1**

 Outriggers fully extended (7.2m) 360° full range, with 7.4ton counterweight mounted to crane  
 33.2m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 5.1               | 4.50  | 8.3               | 4.50  | 11.5              | 4.30  | 13.8              | 3.25  | 15.4              | 2.50  |
| 80.0               | 8.1               | 4.50  | 11.3              | 4.50  | 14.3              | 3.90  | 16.4              | 3.05  | 17.9              | 2.45  |
| 77.0               | 10.9              | 4.50  | 13.9              | 4.50  | 16.6              | 3.65  | 18.7              | 2.95  | 19.9              | 2.40  |
| 75.0               | 12.6              | 4.50  | 15.6              | 4.50  | 18.2              | 3.50  | 20.1              | 2.85  | 21.2              | 2.40  |
| 72.0               | 15.2              | 4.50  | 18.0              | 4.15  | 20.4              | 3.30  | 22.2              | 2.75  | 23.0              | 2.35  |
| 70.0               | 16.9              | 4.50  | 19.6              | 3.95  | 21.9              | 3.20  | 23.5              | 2.75  | 24.2              | 2.35  |
| 67.0               | 19.4              | 4.30  | 21.8              | 3.65  | 24.0              | 3.05  | 25.4              | 2.70  | 26.0              | 2.35  |
| 65.0               | 20.7              | 3.65  | 23.3              | 3.10  | 25.4              | 2.75  | 26.7              | 2.65  | 27.1              | 2.35  |
| 62.0               | 22.7              | 2.80  | 25.1              | 2.45  | 27.1              | 2.20  | 28.3              | 2.10  |                   |       |
| 60.0               | 24.0              | 2.35  | 26.3              | 2.10  | 28.3              | 1.85  | 29.4              | 1.80  |                   |       |
| 57.0               | 26.1              | 1.75  | 28.2              | 1.55  | 30.1              | 1.40  | 30.9              | 1.40  |                   |       |
| 55.0               | 27.4              | 1.40  | 29.4              | 1.30  | 31.2              | 1.20  | 31.9              | 1.15  |                   |       |
| 52.0               | 29.3              | 1.00  | 31.2              | 0.90  | 32.8              | 0.80  | 33.3              | 0.80  |                   |       |
| 51.0               | 29.8              | 0.90  | 31.8              | 0.80  | 33.3              | 0.70  | 33.8              | 0.70  |                   |       |
| 50.0               | 30.4              | 0.75  | 32.4              | 0.65  | 33.8              | 0.65  |                   |       |                   |       |
| 49.0               | 31.0              | 0.65  | 33.0              | 0.55  | 34.3              | 0.55  |                   |       |                   |       |
| 48.0               | 31.6              | 0.55  |                   |       |                   |       |                   |       |                   |       |
| Min. boom angle(°) | 47                |       | 48                |       | 48                |       | 50                |       | 63                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |

**Specification SD2**

 Outriggers intermediately extended (6.0m) over side, with 7.4ton counterweight mounted to crane  
 33.2m Boom + 14.6m SL Jib

| Boom angle<br>( ° )  | Offset 2°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|----------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                      | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                      | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0                 | 5.1               | 4.50  | 8.3               | 4.50  | 11.5              | 4.30  | 13.8              | 3.25  | 15.4              | 2.50  |
| 80.0                 | 8.1               | 4.50  | 11.3              | 4.50  | 14.3              | 3.90  | 16.4              | 3.05  | 17.9              | 2.45  |
| 77.0                 | 10.9              | 4.50  | 13.9              | 4.50  | 16.6              | 3.65  | 18.7              | 2.95  | 19.9              | 2.40  |
| 75.0                 | 12.6              | 4.50  | 15.6              | 4.50  | 18.2              | 3.50  | 20.1              | 2.85  | 21.2              | 2.40  |
| 72.0                 | 15.2              | 4.50  | 18.0              | 4.15  | 20.4              | 3.30  | 22.2              | 2.75  | 23.0              | 2.35  |
| 70.0                 | 16.9              | 4.25  | 19.6              | 3.45  | 21.9              | 3.00  | 23.5              | 2.75  | 24.2              | 2.35  |
| 67.0                 | 18.9              | 3.20  | 21.4              | 2.65  | 23.8              | 2.30  | 25.3              | 2.15  | 26.0              | 2.05  |
| 65.0                 | 20.3              | 2.60  | 22.8              | 2.15  | 25.0              | 1.90  | 26.5              | 1.75  | 26.9              | 1.75  |
| 62.0                 | 22.3              | 1.85  | 24.8              | 1.55  | 26.8              | 1.45  | 28.1              | 1.35  |                   |       |
| 60.0                 | 23.7              | 1.45  | 26.0              | 1.25  | 28.0              | 1.10  | 29.2              | 1.05  |                   |       |
| 59.0                 | 24.4              | 1.25  | 26.6              | 1.10  | 28.6              | 0.95  | 29.7              | 0.90  |                   |       |
| 58.0                 | 25.1              | 1.10  | 27.2              | 0.95  |                   |       |                   |       |                   |       |
| Min. boom angle( ° ) | 57                |       | 57                |       | 58                |       | 58                |       | 63                |       |
| Standard hook        | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass            | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line        | 1                 |       |                   |       |                   |       |                   |       |                   |       |



Based on ISO 4305 / Not exceed 75% of static tipping loads

## Specification SD1

Outriggers fully extended (7.2m) 360° full range, with 7.4ton counterweight mounted to crane  
33.2m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.9                      | 3.00          | 10.9                     | 3.00          | 15.5                     | 2.40          | 18.8                     | 1.90          | 20.9                     | 1.50          |
| 80.0               | 9.7                      | 3.00          | 14.4                     | 3.00          | 18.5                     | 2.25          | 21.6                     | 1.80          | 23.4                     | 1.50          |
| 77.0               | 12.8                     | 3.00          | 17.3                     | 2.90          | 21.1                     | 2.10          | 23.9                     | 1.75          | 25.4                     | 1.45          |
| 75.0               | 14.8                     | 3.00          | 19.1                     | 2.75          | 22.8                     | 2.05          | 25.4                     | 1.70          | 26.8                     | 1.45          |
| 72.0               | 17.7                     | 3.00          | 21.7                     | 2.55          | 25.2                     | 1.95          | 27.5                     | 1.65          | 28.7                     | 1.40          |
| 70.0               | 19.7                     | 3.00          | 23.4                     | 2.40          | 26.7                     | 1.90          | 28.9                     | 1.65          | 29.9                     | 1.40          |
| 67.0               | 22.4                     | 2.95          | 25.9                     | 2.30          | 29.0                     | 1.85          | 31.0                     | 1.60          | 31.6                     | 1.40          |
| 65.0               | 24.1                     | 2.90          | 27.5                     | 2.15          | 30.5                     | 1.75          | 32.3                     | 1.55          | 32.7                     | 1.40          |
| 62.0               | 26.3                     | 2.20          | 29.9                     | 1.85          | 32.6                     | 1.65          | 34.1                     | 1.55          |                          |               |
| 60.0               | 27.8                     | 1.85          | 31.1                     | 1.55          | 33.9                     | 1.35          | 35.2                     | 1.35          |                          |               |
| 57.0               | 29.9                     | 1.40          | 33.0                     | 1.20          | 35.5                     | 1.05          | 36.7                     | 1.05          |                          |               |
| 55.0               | 31.3                     | 1.10          | 34.2                     | 0.95          | 36.6                     | 0.85          | 37.7                     | 0.85          |                          |               |
| 52.0               | 33.3                     | 0.80          | 36.2                     | 0.65          | 38.2                     | 0.60          | 39.2                     | 0.60          |                          |               |
| 51.0               | 34.0                     | 0.65          | 36.8                     | 0.55          | 38.8                     | 0.55          | 39.6                     | 0.55          |                          |               |
| 50.0               | 34.6                     | 0.60          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 49                       |               | 50                       |               | 50                       |               | 50                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

## Specification SD2

Outriggers intermediately extended (6.0m) over side, with 7.4ton counterweight mounted to crane  
33.2m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.9                      | 3.00          | 10.9                     | 3.00          | 15.5                     | 2.40          | 18.8                     | 1.90          | 20.9                     | 1.50          |
| 80.0               | 9.7                      | 3.00          | 14.4                     | 3.00          | 18.5                     | 2.25          | 21.6                     | 1.80          | 23.4                     | 1.50          |
| 77.0               | 12.8                     | 3.00          | 17.3                     | 2.90          | 21.1                     | 2.10          | 23.9                     | 1.75          | 25.4                     | 1.45          |
| 75.0               | 14.8                     | 3.00          | 19.1                     | 2.75          | 22.8                     | 2.05          | 25.4                     | 1.70          | 26.8                     | 1.45          |
| 72.0               | 17.7                     | 3.00          | 21.7                     | 2.55          | 25.2                     | 1.95          | 27.5                     | 1.65          | 28.7                     | 1.40          |
| 70.0               | 19.7                     | 3.00          | 23.4                     | 2.40          | 26.7                     | 1.90          | 28.9                     | 1.65          | 29.9                     | 1.40          |
| 67.0               | 22.0                     | 2.50          | 25.9                     | 1.90          | 29.0                     | 1.65          | 31.0                     | 1.60          | 31.6                     | 1.40          |
| 65.0               | 23.5                     | 2.00          | 27.1                     | 1.65          | 30.2                     | 1.40          | 32.1                     | 1.30          | 32.7                     | 1.30          |
| 62.0               | 25.7                     | 1.45          | 29.2                     | 1.15          | 32.1                     | 1.00          | 33.8                     | 0.95          |                          |               |
| 60.0               | 27.1                     | 1.15          | 30.5                     | 0.95          | 33.3                     | 0.80          | 34.9                     | 0.75          |                          |               |
| 59.0               | 27.8                     | 1.00          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 58                       |               | 59                       |               | 59                       |               | 59                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

## LIFTING CAPACITIES (8.8m SL Jib)

## Specification SD1

Outriggers fully extended (7.2m) 360° full range, with 7.4ton counterweight mounted to crane  
40.5m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.4                      | 5.60          | 6.8                      | 5.60          | 8.8                      | 5.60          | 10.4                     | 5.60          | 11.3                     | 5.00          |
| 80.0               | 8.7                      | 5.60          | 10.2                     | 5.60          | 12.1                     | 5.60          | 13.5                     | 5.60          | 14.2                     | 4.80          |
| 77.0               | 11.7                     | 5.60          | 13.1                     | 5.60          | 14.9                     | 5.60          | 16.2                     | 5.55          | 16.6                     | 4.75          |
| 75.0               | 13.6                     | 5.60          | 14.9                     | 5.60          | 16.7                     | 5.60          | 17.8                     | 5.55          | 18.2                     | 4.70          |
| 72.0               | 16.4                     | 5.45          | 17.7                     | 4.85          | 18.9                     | 4.55          | 19.9                     | 4.20          | 20.5                     | 4.05          |
| 70.0               | 17.9                     | 4.40          | 19.0                     | 4.05          | 20.3                     | 3.70          | 21.2                     | 3.50          | 21.6                     | 3.45          |
| 67.0               | 20.0                     | 3.20          | 21.1                     | 3.00          | 22.4                     | 2.75          | 23.2                     | 2.65          | 23.6                     | 2.55          |
| 65.0               | 21.5                     | 2.50          | 22.6                     | 2.35          | 23.7                     | 2.20          | 24.5                     | 2.10          |                          |               |
| 62.0               | 23.6                     | 1.75          | 24.6                     | 1.65          | 25.7                     | 1.55          | 26.4                     | 1.50          |                          |               |
| 60.0               | 25.0                     | 1.35          | 26.0                     | 1.25          | 27.0                     | 1.20          | 27.7                     | 1.10          |                          |               |
| Min. boom angle(°) | 59                       |               | 59                       |               | 59                       |               | 59                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

## Specification SD2

Outriggers intermediately extended (6.0m) over side, with 7.4ton counterweight mounted to crane  
40.5m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.4                      | 5.60          | 6.8                      | 5.60          | 8.8                      | 5.60          | 10.4                     | 5.60          | 11.3                     | 5.00          |
| 80.0               | 8.7                      | 5.60          | 10.2                     | 5.60          | 12.1                     | 5.60          | 13.5                     | 5.60          | 14.2                     | 4.80          |
| 77.0               | 11.7                     | 5.60          | 13.1                     | 5.60          | 14.9                     | 5.60          | 16.2                     | 5.20          | 16.6                     | 4.75          |
| 75.0               | 13.6                     | 5.60          | 14.9                     | 5.30          | 16.4                     | 4.65          | 17.5                     | 4.30          | 18.0                     | 4.20          |
| 72.0               | 16.0                     | 4.05          | 17.1                     | 3.70          | 18.5                     | 3.35          | 19.6                     | 3.10          | 20.0                     | 3.05          |
| 70.0               | 17.4                     | 3.15          | 18.6                     | 2.85          | 19.9                     | 2.65          | 20.9                     | 2.45          | 21.3                     | 2.45          |
| 67.0               | 19.6                     | 2.10          | 20.7                     | 1.95          | 22.0                     | 1.80          | 22.8                     | 1.75          | 23.2                     | 1.70          |
| Min. boom angle(°) | 66                       |               | 66                       |               | 66                       |               | 66                       |               | 66                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SD1**

 Outriggers fully extended (7.2m) 360° full range, with 7.4ton counterweight mounted to crane  
 40.5m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.9                   | 4.30          | 9.0                   | 4.30          | 12.9                  | 4.20          | 15.2                  | 3.20          | 16.5                  | 2.45          |
| 80.0               | 9.4                   | 4.30          | 12.9                  | 4.30          | 16.3                  | 3.80          | 18.3                  | 3.00          | 19.6                  | 2.45          |
| 77.0               | 12.7                  | 4.30          | 16.1                  | 4.30          | 19.1                  | 3.55          | 21.0                  | 2.90          | 22.0                  | 2.40          |
| 75.0               | 14.9                  | 4.30          | 18.2                  | 4.25          | 21.0                  | 3.40          | 22.7                  | 2.80          | 23.6                  | 2.35          |
| 72.0               | 18.2                  | 4.30          | 21.1                  | 3.85          | 23.7                  | 3.20          | 25.2                  | 2.75          | 25.9                  | 2.35          |
| 70.0               | 20.3                  | 3.60          | 22.7                  | 3.15          | 25.4                  | 2.65          | 26.9                  | 2.50          | 27.4                  | 2.35          |
| 67.0               | 22.5                  | 2.70          | 25.1                  | 2.25          | 27.4                  | 2.00          | 28.8                  | 1.90          | 29.5                  | 1.85          |
| 65.0               | 24.1                  | 2.15          | 26.7                  | 1.80          | 28.8                  | 1.60          | 30.2                  | 1.50          |                       |               |
| 62.0               | 26.6                  | 1.40          | 29.0                  | 1.25          | 30.9                  | 1.15          | 32.2                  | 1.05          |                       |               |
| 61.0               | 27.4                  | 1.25          |                       |               |                       |               |                       |               |                       |               |
| Min. boom angle(°) | 60                    |               | 61                    |               | 61                    |               | 61                    |               | 64                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |

**Specification SD2**

 Outriggers intermediately extended (6.0m) over side, with 7.4ton counterweight mounted to crane  
 40.5m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.9                   | 4.30          | 9.0                   | 4.30          | 12.9                  | 4.20          | 15.2                  | 3.20          | 16.5                  | 2.45          |
| 80.0               | 9.4                   | 4.30          | 12.9                  | 4.30          | 16.3                  | 3.80          | 18.3                  | 3.00          | 19.6                  | 2.45          |
| 77.0               | 12.7                  | 4.30          | 16.1                  | 4.30          | 19.1                  | 3.55          | 21.0                  | 2.90          | 22.0                  | 2.40          |
| 75.0               | 14.9                  | 4.30          | 18.2                  | 4.05          | 21.0                  | 3.30          | 22.7                  | 2.80          | 23.6                  | 2.35          |
| 72.0               | 17.8                  | 3.55          | 20.6                  | 2.85          | 23.2                  | 2.40          | 24.9                  | 2.20          | 25.9                  | 2.10          |
| 70.0               | 19.6                  | 2.65          | 22.2                  | 2.25          | 24.7                  | 1.90          | 26.4                  | 1.75          | 27.2                  | 1.70          |
| 69.0               | 20.4                  | 2.30          | 23.0                  | 1.95          | 25.5                  | 1.70          | 27.1                  | 1.55          | 27.8                  | 1.50          |
| 68.0               | 21.3                  | 2.00          | 23.8                  | 1.70          |                       |               |                       |               |                       |               |
| Min. boom angle(°) | 67                    |               | 67                    |               | 68                    |               | 68                    |               | 68                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |

**LIFTING CAPACITIES (20.4m SL Jib)**
**Specification SD1**

 Outriggers fully extended (7.2m) 360° full range, with 7.4ton counterweight mounted to crane  
 40.5m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                   | 2.70          | 12.1                  | 2.70          | 17.0                  | 2.35          | 20.3                  | 1.85          | 22.1                  | 1.50          |
| 80.0               | 10.8                  | 2.70          | 16.3                  | 2.70          | 20.6                  | 2.20          | 23.5                  | 1.75          | 25.1                  | 1.45          |
| 77.0               | 14.4                  | 2.70          | 19.9                  | 2.70          | 23.6                  | 2.10          | 26.2                  | 1.70          | 27.6                  | 1.45          |
| 75.0               | 16.9                  | 2.70          | 22.0                  | 2.60          | 25.5                  | 2.00          | 28.0                  | 1.70          | 29.2                  | 1.40          |
| 72.0               | 20.6                  | 2.70          | 25.2                  | 2.40          | 28.4                  | 1.90          | 30.6                  | 1.60          | 31.5                  | 1.40          |
| 70.0               | 22.9                  | 2.70          | 27.2                  | 2.30          | 30.3                  | 1.85          | 32.3                  | 1.60          | 33.0                  | 1.40          |
| 67.0               | 25.8                  | 2.10          | 29.6                  | 1.70          | 32.9                  | 1.45          | 34.7                  | 1.35          | 35.2                  | 1.40          |
| 65.0               | 27.5                  | 1.65          | 31.2                  | 1.35          | 34.1                  | 1.20          | 36.0                  | 1.15          |                       |               |
| 63.0               | 29.2                  | 1.30          | 32.8                  | 1.00          | 35.6                  | 0.90          | 37.3                  | 0.90          |                       |               |
| 62.0               | 30.1                  | 1.10          |                       |               |                       |               |                       |               |                       |               |
| Min. boom angle(°) | 61                    |               | 62                    |               | 62                    |               | 62                    |               | 64                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |

**Specification SD2**

 Outriggers intermediately extended (6.0m) over side, with 7.4ton counterweight mounted to crane  
 40.5m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°             |               | Offset 15°            |               | Offset 30°            |               | Offset 45°            |               | Offset 60°            |               |
|--------------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|-----------------------|---------------|
|                    | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] | Working radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                   | 2.70          | 12.1                  | 2.70          | 17.0                  | 2.35          | 20.3                  | 1.85          | 22.1                  | 1.50          |
| 80.0               | 10.8                  | 2.70          | 16.3                  | 2.70          | 20.6                  | 2.20          | 23.5                  | 1.75          | 25.1                  | 1.45          |
| 77.0               | 14.4                  | 2.70          | 19.9                  | 2.70          | 23.6                  | 2.10          | 26.2                  | 1.70          | 27.6                  | 1.45          |
| 75.0               | 16.9                  | 2.70          | 22.0                  | 2.60          | 25.5                  | 2.00          | 28.0                  | 1.70          | 29.2                  | 1.40          |
| 73.0               | 19.4                  | 2.70          | 24.1                  | 2.25          | 27.5                  | 1.95          | 29.8                  | 1.65          | 30.8                  | 1.40          |
| 72.0               | 20.6                  | 2.70          | 24.8                  | 2.05          | 28.4                  | 1.70          | 30.6                  | 1.60          |                       |               |
| 71.0               | 21.5                  | 2.40          | 25.6                  | 1.80          | 29.1                  | 1.50          | 31.3                  | 1.40          |                       |               |
| 70.0               | 22.4                  | 2.10          | 26.5                  | 1.60          |                       |               |                       |               |                       |               |
| 69.0               | 23.4                  | 1.80          | 27.3                  | 1.40          |                       |               |                       |               |                       |               |
| Min. boom angle(°) | 68                    |               | 68                    |               | 70                    |               | 70                    |               | 70                    |               |
| Standard hook      | for 5.6ton            |               |                       |               |                       |               |                       |               |                       |               |
| Hook mass          | 150kg                 |               |                       |               |                       |               |                       |               |                       |               |
| Parts of line      | 1                     |               |                       |               |                       |               |                       |               |                       |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

**Specification SD1**

Outriggers fully extended (7.2m) 360° full range, with 7.4ton counterweight mounted to crane  
47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 4.50          | 8.0                      | 4.50          | 10.2                     | 4.50          | 11.9                     | 4.50          | 12.9                     | 4.50          |
| 80.0               | 10.6                     | 4.50          | 12.3                     | 4.50          | 14.2                     | 4.50          | 15.7                     | 4.50          | 16.6                     | 4.50          |
| 77.0               | 14.1                     | 4.50          | 15.7                     | 4.50          | 17.5                     | 4.50          | 18.9                     | 4.50          | 19.5                     | 4.50          |
| 75.0               | 16.5                     | 4.50          | 18.0                     | 4.50          | 19.7                     | 4.30          | 20.9                     | 3.90          | 21.5                     | 3.75          |
| 72.0               | 19.5                     | 3.70          | 20.8                     | 3.35          | 22.0                     | 3.15          | 23.0                     | 2.95          | 23.4                     | 2.90          |
| 70.0               | 21.2                     | 2.90          | 22.4                     | 2.65          | 23.7                     | 2.50          | 24.6                     | 2.35          | 24.8                     | 2.40          |
| 69.0               | 22.0                     | 2.55          | 23.2                     | 2.35          | 24.4                     | 2.20          | 25.3                     | 2.10          | 25.6                     | 2.10          |
| 67.0               | 23.7                     | 1.95          | 24.8                     | 1.80          | 26.0                     | 1.70          | 26.8                     | 1.60          |                          |               |
| Min. boom angle(°) | 66                       |               | 66                       |               | 66                       |               | 66                       |               | 66                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SD2**

Outriggers intermediately extended (6.0m) over side, with 7.4ton counterweight mounted to crane  
47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 4.50          | 8.0                      | 4.50          | 10.2                     | 4.50          | 11.9                     | 4.50          | 12.9                     | 4.50          |
| 80.0               | 10.6                     | 4.50          | 12.3                     | 4.50          | 14.2                     | 4.50          | 15.7                     | 4.50          | 16.6                     | 4.50          |
| 77.0               | 14.1                     | 4.50          | 15.7                     | 4.50          | 17.5                     | 4.15          | 18.6                     | 3.85          | 19.2                     | 3.70          |
| 75.0               | 16.3                     | 4.05          | 17.6                     | 3.65          | 19.0                     | 3.30          | 20.2                     | 3.05          | 20.7                     | 2.95          |
| 73.0               | 18.1                     | 3.05          | 19.3                     | 2.75          | 20.6                     | 2.55          | 21.8                     | 2.30          | 22.2                     | 2.30          |
| 72.0               | 19.0                     | 2.60          | 20.2                     | 2.35          | 21.4                     | 2.25          | 22.5                     | 2.05          |                          |               |
| Min. boom angle(°) | 71                       |               | 71                       |               | 71                       |               | 71                       |               | 71                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**LIFTING CAPACITIES (14.6m SL Jib)**
**Specification SD1**

Outriggers fully extended (7.2m) 360° full range, with 7.4ton counterweight mounted to crane  
47.9m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.0                      | 3.20          | 10.8                     | 3.20          | 14.5                     | 3.20          | 17.0                     | 3.10          | 18.3                     | 2.45          |
| 80.0               | 11.7                     | 3.20          | 15.4                     | 3.20          | 18.9                     | 3.20          | 20.9                     | 2.90          | 21.9                     | 2.40          |
| 77.0               | 15.7                     | 3.20          | 19.2                     | 3.20          | 22.4                     | 3.20          | 24.1                     | 2.75          | 24.8                     | 2.35          |
| 75.0               | 18.3                     | 3.20          | 21.6                     | 3.20          | 24.7                     | 3.05          | 26.1                     | 2.70          | 26.7                     | 2.35          |
| 72.0               | 22.1                     | 3.00          | 24.6                     | 2.55          | 27.0                     | 2.25          | 28.6                     | 2.15          | 29.5                     | 2.05          |
| 70.0               | 23.7                     | 2.40          | 26.4                     | 2.05          | 28.7                     | 1.80          | 30.1                     | 1.70          | 30.8                     | 1.70          |
| 68.0               | 25.5                     | 1.85          | 28.1                     | 1.60          | 30.3                     | 1.45          | 31.7                     | 1.35          |                          |               |
| 67.0               | 26.4                     | 1.60          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 66                       |               | 67                       |               | 67                       |               | 67                       |               | 67                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SD2**

Outriggers intermediately extended (6.0m) over side, with 7.4ton counterweight mounted to crane  
47.9m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.0                      | 3.20          | 10.8                     | 3.20          | 14.5                     | 3.20          | 17.0                     | 3.10          | 18.3                     | 2.45          |
| 80.0               | 11.7                     | 3.20          | 15.4                     | 3.20          | 18.9                     | 3.20          | 20.9                     | 2.90          | 21.9                     | 2.40          |
| 77.0               | 15.7                     | 3.20          | 19.2                     | 3.20          | 22.2                     | 2.90          | 24.1                     | 2.65          | 24.8                     | 2.35          |
| 75.0               | 18.3                     | 3.20          | 21.2                     | 2.75          | 23.8                     | 2.35          | 25.6                     | 2.15          | 26.5                     | 2.10          |
| 74.0               | 19.6                     | 2.80          | 22.2                     | 2.35          | 24.6                     | 2.10          | 26.4                     | 1.90          |                          |               |
| 73.0               | 20.9                     | 2.30          | 23.1                     | 2.05          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 72                       |               | 72                       |               | 73                       |               | 73                       |               | 73                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SD1**

 Outriggers fully extended (7.2m) 360° full range, with 7.4ton counterweight mounted to crane  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.5                      | 2.20          | 13.5                     | 2.20          | 18.5                     | 2.20          | 22.0                     | 1.80          | 23.9                     | 1.45          |
| 80.0               | 13.1                     | 2.20          | 18.5                     | 2.20          | 23.1                     | 2.10          | 26.0                     | 1.70          | 27.5                     | 1.45          |
| 77.0               | 17.6                     | 2.20          | 22.6                     | 2.20          | 26.6                     | 2.00          | 29.3                     | 1.65          | 30.5                     | 1.40          |
| 75.0               | 20.5                     | 2.20          | 25.2                     | 2.20          | 28.9                     | 1.90          | 31.3                     | 1.60          | 32.3                     | 1.40          |
| 72.0               | 24.7                     | 2.20          | 29.1                     | 1.90          | 32.3                     | 1.65          | 34.3                     | 1.55          | 35.1                     | 1.40          |
| 70.0               | 26.9                     | 1.90          | 30.6                     | 1.55          | 33.8                     | 1.40          | 35.9                     | 1.30          |                          |               |
| 69.0               | 27.8                     | 1.70          | 31.5                     | 1.35          | 34.6                     | 1.20          | 36.7                     | 1.10          |                          |               |
| 68.0               | 28.7                     | 1.45          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 67                       |               | 68                       |               | 68                       |               | 68                       |               | 68                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SD2**

 Outriggers intermediately extended (6.0m) over side, with 7.4ton counterweight mounted to crane  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.5                      | 2.20          | 13.5                     | 2.20          | 18.5                     | 2.20          | 22.0                     | 1.80          | 23.9                     | 1.45          |
| 80.0               | 13.1                     | 2.20          | 18.5                     | 2.20          | 23.1                     | 2.10          | 26.0                     | 1.70          | 27.5                     | 1.45          |
| 77.0               | 17.6                     | 2.20          | 22.6                     | 2.20          | 26.6                     | 2.00          | 29.3                     | 1.65          | 30.5                     | 1.40          |
| 75.0               | 20.5                     | 2.20          | 25.0                     | 2.10          | 28.9                     | 1.65          | 31.3                     | 1.55          |                          |               |
| 74.0               | 21.9                     | 2.20          | 26.0                     | 1.85          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 73                       |               | 73                       |               | 74                       |               | 74                       |               | 74                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**LIFTING CAPACITIES (8.8m SL Jib)**
**Specification SD1**

 Outriggers fully extended (7.2m) 360° full range, with 7.4ton counterweight mounted to crane  
 51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.9                      | 4.10          | 8.5                      | 4.10          | 10.9                     | 4.10          | 12.6                     | 4.10          | 13.7                     | 4.10          |
| 80.0               | 11.6                     | 4.10          | 13.3                     | 4.10          | 15.3                     | 4.10          | 16.9                     | 4.10          | 17.6                     | 4.10          |
| 77.0               | 15.6                     | 4.10          | 17.2                     | 4.10          | 19.0                     | 4.10          | 20.4                     | 4.10          | 21.0                     | 4.05          |
| 75.0               | 18.2                     | 4.10          | 19.6                     | 3.90          | 21.1                     | 3.55          | 22.1                     | 3.35          | 22.6                     | 3.25          |
| 72.0               | 21.0                     | 2.95          | 22.1                     | 2.75          | 23.6                     | 2.45          | 24.5                     | 2.35          | 24.9                     | 2.30          |
| 70.0               | 22.7                     | 2.25          | 23.8                     | 2.10          | 25.2                     | 1.90          | 26.1                     | 1.85          |                          |               |
| Min. boom angle(°) | 69                       |               | 69                       |               | 69                       |               | 69                       |               | 69                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SD2**

 Outriggers intermediately extended (6.0m) over side, with 7.4ton counterweight mounted to crane  
 51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.9                      | 4.10          | 8.5                      | 4.10          | 10.9                     | 4.10          | 12.6                     | 4.10          | 13.7                     | 4.10          |
| 80.0               | 11.6                     | 4.10          | 13.3                     | 4.10          | 15.3                     | 4.10          | 16.9                     | 4.10          | 17.6                     | 4.10          |
| 77.0               | 15.6                     | 4.10          | 16.9                     | 4.05          | 18.6                     | 3.50          | 19.8                     | 3.20          | 20.3                     | 3.10          |
| 76.0               | 16.7                     | 3.65          | 17.9                     | 3.45          | 19.5                     | 3.05          | 20.6                     | 2.85          | 21.2                     | 2.70          |
| 75.0               | 17.6                     | 3.15          | 18.8                     | 2.95          | 20.4                     | 2.65          | 21.5                     | 2.45          |                          |               |
| Min. boom angle(°) | 74                       |               | 74                       |               | 74                       |               | 74                       |               | 74                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

**Specification SD1**

Outriggers fully extended (7.2m) 360° full range, with 7.4ton counterweight mounted to crane  
51.3m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.3                      | 3.00          | 11.3                     | 3.00          | 15.2                     | 3.00          | 17.9                     | 3.00          | 19.2                     | 2.40          |
| 80.0               | 12.5                     | 3.00          | 16.2                     | 3.00          | 19.9                     | 3.00          | 22.2                     | 2.85          | 23.0                     | 2.35          |
| 77.0               | 16.9                     | 3.00          | 20.4                     | 3.00          | 23.8                     | 3.00          | 25.6                     | 2.75          | 26.2                     | 2.35          |
| 75.0               | 19.7                     | 3.00          | 23.1                     | 3.00          | 26.3                     | 2.45          | 27.8                     | 2.35          | 28.3                     | 2.30          |
| 73.0               | 22.5                     | 2.75          | 25.0                     | 2.40          | 27.5                     | 2.10          | 29.2                     | 1.95          | 30.0                     | 1.90          |
| 72.0               | 23.2                     | 2.50          | 25.9                     | 2.15          | 28.3                     | 1.90          | 30.0                     | 1.75          |                          |               |
| 71.0               | 24.2                     | 2.20          | 26.8                     | 1.90          | 29.2                     | 1.65          | 30.8                     | 1.55          |                          |               |
| 70.0               | 25.1                     | 1.90          | 27.7                     | 1.60          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 69                       |               | 69                       |               | 70                       |               | 70                       |               | 70                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SD2**

Outriggers intermediately extended (6.0m) over side, with 7.4ton counterweight mounted to crane  
51.3m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.3                      | 3.00          | 11.3                     | 3.00          | 15.2                     | 3.00          | 17.9                     | 3.00          | 19.2                     | 2.40          |
| 80.0               | 12.5                     | 3.00          | 16.2                     | 3.00          | 19.9                     | 3.00          | 22.2                     | 2.85          | 23.0                     | 2.35          |
| 78.0               | 15.4                     | 3.00          | 19.0                     | 3.00          | 22.4                     | 2.80          | 24.2                     | 2.60          | 25.1                     | 2.35          |
| 77.0               | 16.9                     | 3.00          | 20.4                     | 3.00          | 23.2                     | 2.55          | 25.1                     | 2.30          |                          |               |
| 75.0               | 19.3                     | 2.80          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 74                       |               | 76                       |               | 76                       |               | 76                       |               | 76                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**LIFTING CAPACITIES (20.4m SL Jib)**
**Specification SD1**

Outriggers fully extended (7.2m) 360° full range, with 7.4ton counterweight mounted to crane  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 8.6                      | 2.10          | 14.2                     | 2.10          | 19.6                     | 2.10          | 22.9                     | 1.75          | 24.8                     | 1.45          |
| 80.0               | 14.2                     | 2.10          | 19.7                     | 2.10          | 24.5                     | 2.05          | 27.2                     | 1.70          | 28.7                     | 1.40          |
| 77.0               | 19.0                     | 2.10          | 24.3                     | 2.10          | 28.5                     | 1.95          | 30.8                     | 1.60          | 31.9                     | 1.40          |
| 76.0               | 20.6                     | 2.10          | 25.8                     | 2.10          | 29.7                     | 1.90          | 32.0                     | 1.60          | 32.9                     | 1.40          |
| 75.0               | 22.2                     | 2.10          | 27.2                     | 2.10          | 30.9                     | 1.85          | 33.1                     | 1.60          |                          |               |
| 74.0               | 23.7                     | 2.10          | 28.6                     | 1.95          | 32.2                     | 1.65          |                          |               |                          |               |
| 72.0               | 26.7                     | 1.85          | 30.2                     | 1.55          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 71                       |               | 71                       |               | 72                       |               | 72                       |               | 72                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SD2**

Outriggers intermediately extended (6.0m) over side, with 7.4ton counterweight mounted to crane  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 8.6                      | 2.10          | 14.2                     | 2.10          | 19.6                     | 2.10          | 22.9                     | 1.75          | 24.8                     | 1.45          |
| 80.0               | 14.2                     | 2.10          | 19.7                     | 2.10          | 24.5                     | 2.05          | 27.2                     | 1.70          | 28.7                     | 1.40          |
| 79.0               | 15.8                     | 2.10          | 21.3                     | 2.10          | 25.9                     | 2.05          | 28.4                     | 1.65          |                          |               |
| 78.0               | 17.4                     | 2.10          | 22.8                     | 2.10          | 27.2                     | 2.00          |                          |               |                          |               |
| 77.0               | 19.0                     | 2.10          | 24.3                     | 2.10          |                          |               |                          |               |                          |               |
| 76.0               | 20.6                     | 2.10          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 75                       |               | 76                       |               | 77                       |               | 77                       |               | 77                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SE1**

 Outriggers fully extended (7.2m) 360° full range, without counterweight  
 33.2m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 4.6                      | 5.60          | 5.9                      | 5.60          | 7.7                      | 5.60          | 9.3                      | 5.60          | 10.2                     | 5.05          |
| 80.0               | 7.1                      | 5.60          | 8.5                      | 5.60          | 10.3                     | 5.60          | 11.7                     | 5.60          | 12.5                     | 4.85          |
| 77.0               | 9.5                      | 5.60          | 10.8                     | 5.60          | 12.6                     | 5.60          | 13.8                     | 5.60          | 14.4                     | 4.80          |
| 75.0               | 11.0                     | 5.60          | 12.3                     | 5.60          | 14.0                     | 5.60          | 15.2                     | 5.20          | 15.7                     | 4.75          |
| 72.0               | 13.3                     | 5.50          | 14.5                     | 4.85          | 15.8                     | 4.30          | 16.8                     | 4.00          | 17.3                     | 3.85          |
| 70.0               | 14.5                     | 4.40          | 15.6                     | 3.95          | 17.0                     | 3.50          | 17.9                     | 3.25          | 18.4                     | 3.15          |
| 67.0               | 16.3                     | 3.10          | 17.4                     | 2.80          | 18.7                     | 2.55          | 19.6                     | 2.35          | 19.9                     | 2.35          |
| 65.0               | 17.5                     | 2.45          | 18.5                     | 2.25          | 19.8                     | 2.00          | 20.7                     | 1.85          | 20.9                     | 1.85          |
| 64.0               | 18.1                     | 2.15          | 19.1                     | 1.95          | 20.4                     | 1.75          | 21.2                     | 1.65          | 21.4                     | 1.65          |
| 62.0               | 19.3                     | 1.60          | 20.3                     | 1.50          | 21.5                     | 1.35          | 22.3                     | 1.25          |                          |               |
| 61.0               | 19.9                     | 1.35          | 20.9                     | 1.25          | 22.1                     | 1.15          | 22.8                     | 1.05          |                          |               |
| Min. boom angle(°) | 60                       |               | 60                       |               | 60                       |               | 60                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SE1**

 Outriggers fully extended (7.2m) 360° full range, without counterweight  
 33.2m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.1                      | 4.50          | 8.3                      | 4.50          | 11.5                     | 4.30          | 13.8                     | 3.25          | 15.4                     | 2.50          |
| 80.0               | 8.1                      | 4.50          | 11.3                     | 4.50          | 14.3                     | 3.90          | 16.4                     | 3.05          | 17.9                     | 2.45          |
| 77.0               | 10.9                     | 4.50          | 13.9                     | 4.50          | 16.6                     | 3.65          | 18.7                     | 2.95          | 19.9                     | 2.40          |
| 75.0               | 12.6                     | 4.50          | 15.6                     | 4.50          | 18.2                     | 3.50          | 20.1                     | 2.85          | 21.2                     | 2.40          |
| 72.0               | 15.2                     | 4.50          | 18.0                     | 3.55          | 20.4                     | 3.00          | 22.2                     | 2.70          | 23.0                     | 2.35          |
| 70.0               | 16.5                     | 3.65          | 19.2                     | 2.90          | 21.6                     | 2.50          | 23.4                     | 2.20          | 24.2                     | 2.15          |
| 67.0               | 18.6                     | 2.55          | 21.2                     | 2.10          | 23.6                     | 1.75          | 25.2                     | 1.60          | 25.8                     | 1.60          |
| 65.0               | 20.1                     | 1.95          | 22.6                     | 1.60          | 24.8                     | 1.40          | 26.3                     | 1.25          | 26.8                     | 1.25          |
| 63.0               | 21.4                     | 1.45          | 23.9                     | 1.20          | 26.1                     | 1.05          | 27.4                     | 1.00          |                          |               |
| 62.0               | 22.1                     | 1.25          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 61                       |               | 62                       |               | 62                       |               | 62                       |               | 63                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SE1**

 Outriggers fully extended (7.2m) 360° full range, without counterweight  
 33.2m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 5.9                      | 3.00          | 10.9                     | 3.00          | 15.5                     | 2.40          | 18.8                     | 1.90          | 20.9                     | 1.50          |
| 80.0               | 9.7                      | 3.00          | 14.4                     | 3.00          | 18.5                     | 2.25          | 21.6                     | 1.80          | 23.4                     | 1.50          |
| 77.0               | 12.8                     | 3.00          | 17.3                     | 2.90          | 21.1                     | 2.10          | 23.9                     | 1.75          | 25.4                     | 1.45          |
| 75.0               | 14.8                     | 3.00          | 19.1                     | 2.75          | 22.8                     | 2.05          | 25.4                     | 1.70          | 26.8                     | 1.45          |
| 72.0               | 17.7                     | 3.00          | 21.7                     | 2.55          | 25.2                     | 1.95          | 27.5                     | 1.65          | 28.7                     | 1.40          |
| 70.0               | 19.7                     | 2.65          | 23.4                     | 2.05          | 26.7                     | 1.75          | 28.9                     | 1.60          | 29.9                     | 1.40          |
| 67.0               | 21.6                     | 1.95          | 25.3                     | 1.50          | 28.6                     | 1.30          | 30.7                     | 1.20          | 31.6                     | 1.15          |
| 65.0               | 23.1                     | 1.50          | 26.7                     | 1.20          | 29.8                     | 1.00          | 31.9                     | 0.90          | 32.6                     | 0.90          |
| 64.0               | 23.8                     | 1.30          | 27.3                     | 1.05          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 63                       |               | 63                       |               | 64                       |               | 64                       |               | 64                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SE1

Outriggers fully extended (7.2m) 360° full range, without counterweight  
40.5m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 5.4               | 5.60  | 6.8               | 5.60  | 8.8               | 5.60  | 10.4              | 5.60  | 11.3              | 5.00  |
| 80.0               | 8.7               | 5.60  | 10.2              | 5.60  | 12.1              | 5.60  | 13.5              | 5.60  | 14.2              | 4.80  |
| 77.0               | 11.7              | 5.60  | 13.1              | 5.60  | 14.9              | 4.95  | 15.9              | 4.60  | 16.6              | 4.35  |
| 75.0               | 13.6              | 5.00  | 14.6              | 4.60  | 16.2              | 3.95  | 17.3              | 3.60  | 17.8              | 3.50  |
| 72.0               | 15.7              | 3.35  | 16.9              | 2.95  | 18.3              | 2.65  | 19.3              | 2.45  | 19.9              | 2.35  |
| 71.0               | 16.4              | 2.90  | 17.6              | 2.60  | 19.0              | 2.30  | 20.0              | 2.15  | 20.5              | 2.10  |
| Min. boom angle(°) | 70                |       | 70                |       | 70                |       | 70                |       | 70                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |

### Specification SE1

Outriggers fully extended (7.2m) 360° full range, without counterweight  
40.5m Boom + 14.6m SL Jib

| Boom angle<br>( ° )  | Offset 2°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|----------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                      | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                      | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
|                      | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0                 | 5.9               | 4.30  | 9.0               | 4.30  | 12.9              | 4.20  | 15.2              | 3.20  | 16.5              | 2.45  |
| 80.0                 | 9.4               | 4.30  | 12.9              | 4.30  | 16.3              | 3.80  | 18.3              | 3.00  | 19.6              | 2.45  |
| 77.0                 | 12.7              | 4.30  | 16.1              | 4.30  | 19.1              | 3.55  | 21.0              | 2.90  | 22.0              | 2.40  |
| 75.0                 | 14.9              | 4.30  | 17.8              | 3.45  | 20.6              | 2.75  | 22.7              | 2.40  | 23.6              | 2.35  |
| 72.0                 | 17.6              | 2.80  | 20.3              | 2.25  | 23.0              | 1.85  | 24.7              | 1.70  | 25.6              | 1.65  |
| 71.0                 | 18.4              | 2.45  | 21.1              | 1.95  | 23.7              | 1.65  | 25.4              | 1.50  | 26.3              | 1.40  |
| Min. boom angle( ° ) | 70                |       | 70                |       | 70                |       | 70                |       | 70                |       |
| Standard hook        | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass            | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line        | 1                 |       |                   |       |                   |       |                   |       |                   |       |

### Specification SE1

Outriggers fully extended (7.2m) 360° full range, without counterweight  
40.5m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 6.4               | 2.70  | 12.1              | 2.70  | 17.0              | 2.35  | 20.3              | 1.85  | 22.1              | 1.50  |
| 80.0               | 10.8              | 2.70  | 16.3              | 2.70  | 20.6              | 2.20  | 23.5              | 1.75  | 25.1              | 1.45  |
| 77.0               | 14.4              | 2.70  | 19.9              | 2.70  | 23.6              | 2.10  | 26.2              | 1.70  | 27.6              | 1.45  |
| 75.0               | 16.9              | 2.70  | 22.0              | 2.35  | 25.5              | 1.95  | 28.0              | 1.70  | 29.2              | 1.40  |
| 73.0               | 19.4              | 2.50  | 23.5              | 1.85  | 27.2              | 1.50  | 29.6              | 1.35  | 30.8              | 1.35  |
| 72.0               | 20.2              | 2.20  | 24.4              | 1.55  |                   |       |                   |       |                   |       |
| Min. boom angle(°) | 71                |       | 71                |       | 72                |       | 72                |       | 72                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |

SS

SA

SB

SC

SD

SE

33.2m Boom

40.5m Boom

47.9m Boom

51.3m Boom

**Specification SE1**

 Outriggers fully extended (7.2m) 360° full range, without counterweight  
 47.9m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 6.4                      | 4.50          | 8.0                      | 4.50          | 10.2                     | 4.50          | 11.9                     | 4.50          | 12.9                     | 4.50          |
| 80.0               | 10.6                     | 4.50          | 12.3                     | 4.50          | 14.2                     | 4.50          | 15.7                     | 4.50          | 16.6                     | 4.50          |
| 77.0               | 14.1                     | 4.50          | 15.5                     | 4.15          | 17.1                     | 3.60          | 18.3                     | 3.25          | 18.9                     | 3.10          |
| 75.0               | 16.0                     | 3.40          | 17.3                     | 3.00          | 18.7                     | 2.70          | 19.9                     | 2.45          | 20.4                     | 2.40          |
| 74.0               | 16.9                     | 2.85          | 18.2                     | 2.50          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 73                       |               | 73                       |               | 74                       |               | 74                       |               | 74                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SE1**

 Outriggers fully extended (7.2m) 360° full range, without counterweight  
 47.9m Boom + 14.6m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.0                      | 3.20          | 10.8                     | 3.20          | 14.5                     | 3.20          | 17.0                     | 3.10          | 18.3                     | 2.45          |
| 80.0               | 11.7                     | 3.20          | 15.4                     | 3.20          | 18.9                     | 3.20          | 20.9                     | 2.90          | 21.9                     | 2.40          |
| 77.0               | 15.7                     | 3.20          | 19.2                     | 2.90          | 21.7                     | 2.45          | 23.6                     | 2.25          | 24.8                     | 2.10          |
| 75.0               | 17.9                     | 2.80          | 20.8                     | 2.20          |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 74                       |               | 74                       |               | 76                       |               | 76                       |               | 76                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |

**Specification SE1**

 Outriggers fully extended (7.2m) 360° full range, without counterweight  
 47.9m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°                |               | Offset 15°               |               | Offset 30°               |               | Offset 45°               |               | Offset 60°               |               |
|--------------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|--------------------------|---------------|
|                    | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] | Working<br>radius<br>[m] | Load<br>[ton] |
| 84.0               | 7.5                      | 2.20          | 13.5                     | 2.20          | 18.5                     | 2.20          | 22.0                     | 1.80          | 23.9                     | 1.45          |
| 80.0               | 13.1                     | 2.20          | 18.5                     | 2.20          | 23.1                     | 2.10          | 26.0                     | 1.70          | 27.5                     | 1.45          |
| 78.0               | 16.1                     | 2.20          | 21.2                     | 2.20          | 25.5                     | 2.05          | 28.2                     | 1.65          | 29.5                     | 1.40          |
| 77.0               | 17.6                     | 2.20          | 22.6                     | 2.20          | 26.6                     | 1.75          |                          |               |                          |               |
| 76.0               | 19.0                     | 2.20          |                          |               |                          |               |                          |               |                          |               |
| Min. boom angle(°) | 75                       |               | 76                       |               | 76                       |               | 77                       |               | 77                       |               |
| Standard hook      | for 5.6ton               |               |                          |               |                          |               |                          |               |                          |               |
| Hook mass          | 150kg                    |               |                          |               |                          |               |                          |               |                          |               |
| Parts of line      | 1                        |               |                          |               |                          |               |                          |               |                          |               |



Based on ISO 4305 / Not exceed 75% of static tipping loads

### Specification SE1

Outriggers fully extended (7.2m) 360° full range, without counterweight  
51.3m Boom + 8.8m SL Jib

| Boom angle<br>(°)  | Offset 5°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 6.9               | 4.10  | 8.5               | 4.10  | 10.9              | 4.10  | 12.6              | 4.10  | 13.7              | 4.10  |
| 80.0               | 11.6              | 4.10  | 13.3              | 4.10  | 15.3              | 4.10  | 16.9              | 4.10  | 17.6              | 3.90  |
| 78.0               | 14.2              | 4.10  | 15.7              | 3.95  | 17.3              | 3.45  | 18.6              | 3.05  | 19.2              | 2.95  |
| 77.0               | 15.3              | 3.60  |                   |       |                   |       |                   |       |                   |       |
| Min. boom angle(°) | 76                |       | 77                |       | 77                |       | 77                |       | 77                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |

### Specification SE1

Outriggers fully extended (7.2m) 360° full range, without counterweight  
51.3m Boom + 14.6m SL Jib

| Boom angle<br>( ° )  | Offset 2°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|----------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                      | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                      | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0                 | 7.3               | 3.00  | 11.3              | 3.00  | 15.2              | 3.00  | 17.9              | 3.00  | 19.2              | 2.40  |
| 80.0                 | 12.5              | 3.00  | 16.2              | 3.00  | 19.9              | 3.00  | 22.2              | 2.70  | 23.0              | 2.35  |
| 79.0                 | 14.0              | 3.00  | 17.6              | 3.00  | 21.4              | 2.55  | 23.0              | 2.40  | 24.1              | 2.35  |
| 78.0                 | 15.4              | 3.00  | 19.0              | 2.95  |                   |       |                   |       |                   |       |
| 77.0                 | 16.9              | 3.00  |                   |       |                   |       |                   |       |                   |       |
| Min. boom angle( ° ) | 76                |       | 77                |       | 78                |       | 78                |       | 78                |       |
| Standard hook        | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass            | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line        | 1                 |       |                   |       |                   |       |                   |       |                   |       |

### Specification SE1

Outriggers fully extended (7.2m) 360° full range, without counterweight  
51.3m Boom + 20.4m SL Jib

| Boom angle<br>(°)  | Offset 2°         |       | Offset 15°        |       | Offset 30°        |       | Offset 45°        |       | Offset 60°        |       |
|--------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
|                    | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  | Working<br>radius | Load  |
|                    | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] | [m]               | [ton] |
| 84.0               | 8.6               | 2.10  | 14.2              | 2.10  | 19.6              | 2.10  | 22.9              | 1.75  | 24.8              | 1.45  |
| 80.0               | 14.2              | 2.10  | 19.7              | 2.10  | 24.5              | 2.05  | 27.2              | 1.70  | 28.7              | 1.40  |
| 79.0               | 15.8              | 2.10  | 21.3              | 2.10  |                   |       |                   |       |                   |       |
| 78.0               | 17.4              | 2.10  |                   |       |                   |       |                   |       |                   |       |
| Min. boom angle(°) | 77                |       | 78                |       | 79                |       | 79                |       | 79                |       |
| Standard hook      | for 5.6ton        |       |                   |       |                   |       |                   |       |                   |       |
| Hook mass          | 150kg             |       |                   |       |                   |       |                   |       |                   |       |
| Parts of line      | 1                 |       |                   |       |                   |       |                   |       |                   |       |

SS

SA

SB

SC

SD

SE

33.2m Boom

40.5m Boom

47.9m Boom

51.3m Boom

