

KA-3000RX



*Traveling position in working site

<http://www.kato-works.co.jp>

- Study and follow the local regulation for driving position regarding mounting of Superstructure, Boom, Fly jib and Counter weight.
- Before you use the crane, study the instruction manual thoroughly and follow the instructions it contains.
- Some differences may arise between the machine delivered and the photographs in the catalog due to the country the crane will be used in or any added improvements.
- Note : The specification may be changed without notice.
- The actual colors of the body and interior may appear slightly different from those shown in this catalogue due to the limitations of photography and printing.

● Contact for enquiry:

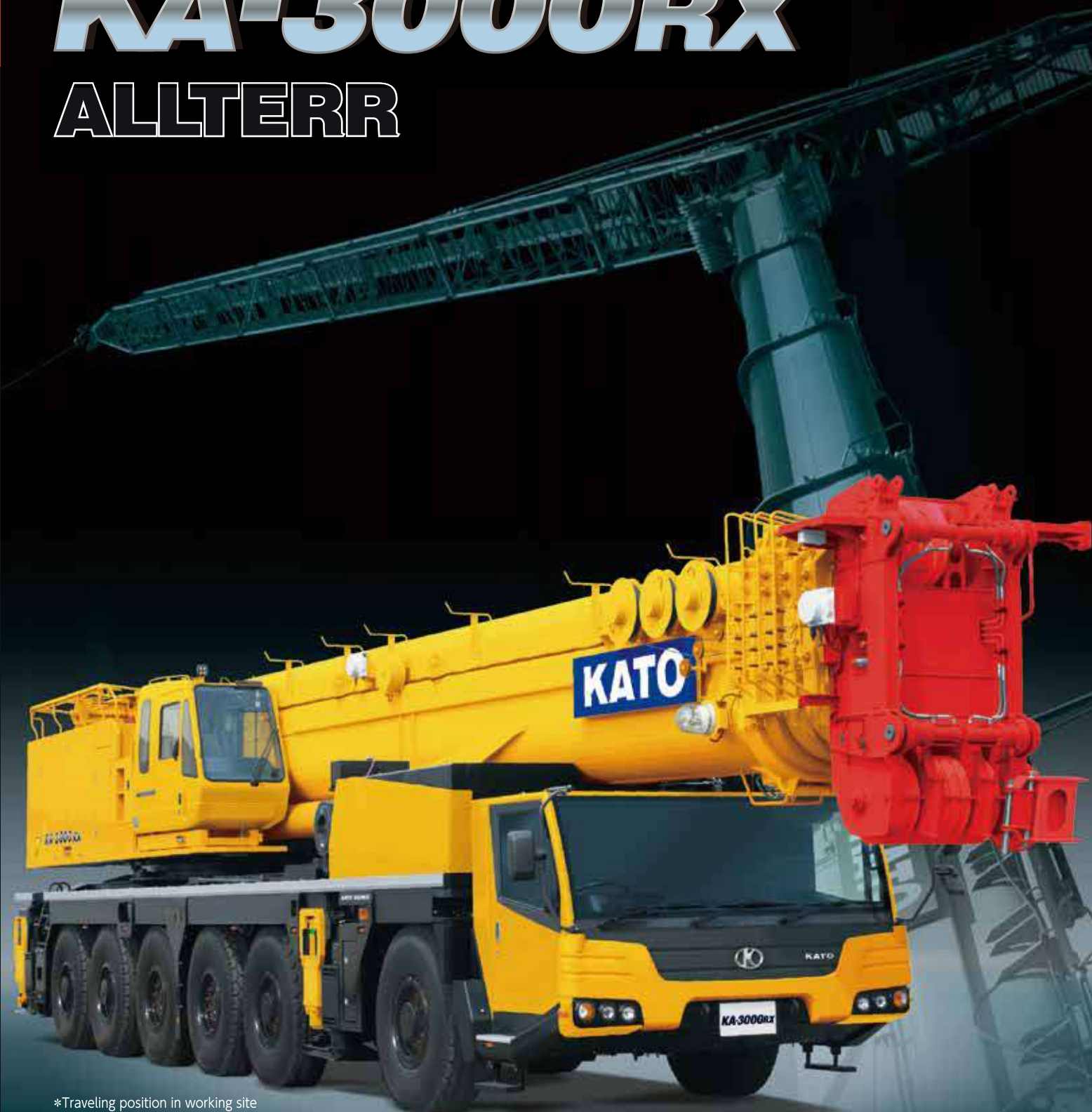


C05181
12.2019-1000(FB)1 Printed in Japan

KA-3000RX

9-37, Higashi-oh 1-chome, Shinagawa-ku, Tokyo, 140-0011, Japan / Tel.: Head Office: Tokyo (03) 3458-1111 Overseas Marketing Department: Tokyo (03) 3458-1115 / FAX: Tokyo (03) 3458-1163

KA-3000RX ALLTERR



*Traveling position in working site

KATO



55m long & powerful, 5-section boom

Adopts a 5-section hydraulic system for long extension/retraction's stroke

- Strong and reliable speedy extension / retraction.
Can be utilized in various worksites.

High rigidity by round-shaped boom

Boom lifting capacity

- Maximum rated lifting capacity..... **300t × 2.5m**
- Boom length..... **14.4m ~ 55.0m**
- Maximum rated lifting height..... **55.3m**
- Boom derricking angle..... **-1.0° ~ 85°**
- Maximum rated lifting capacity (fully extended)..... **32.0t**

- SL Jib length..... **2m base bracket + 10.85 ~ 35m**
- SL Jib offset angle..... **0° ~ 60°**
(SL Jib at 10.85m is 5° ~ 60°)

Super luffing jib lifting capacity

- Maximum rated lifting height..... **92m**
- 45m+2m+10.85mSL (5°)
Maximum rated lifting capacity..... **24t × 20m**
- 55m+2m+35mSL (0°)
Up to 35m working radius at maximum rated lifting..... **6.5t**
- 55m+2m+35mSL (55°)
Up to 48m radius at maximum rise up..... **1.4t**



Can accommodated for various applications and High lift.
4-section hydraulic super luffing jib

SUPER LUFFING



55mB+2m+35mSL
Offset 60°
Working radius
1.3t × 56m

55mB+2m+35mSL
Offset 0°
Maximum rated lifting height
6.5t × 92m



Reaches higher, faster.
The heavy-lift jib can be used in various worksites

Can be moved in worksite even with 54m HL jib

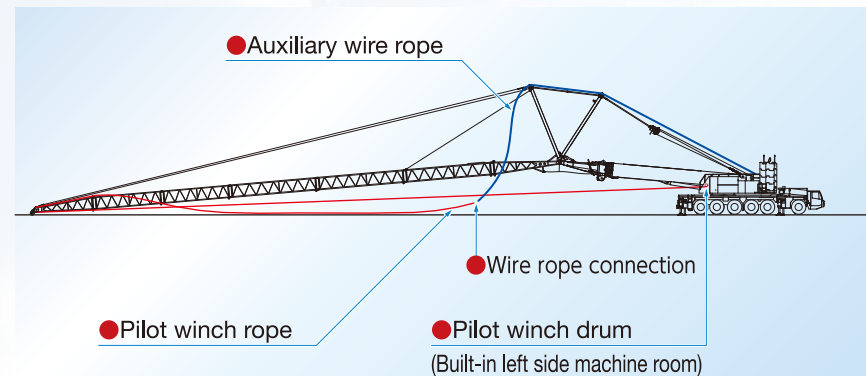
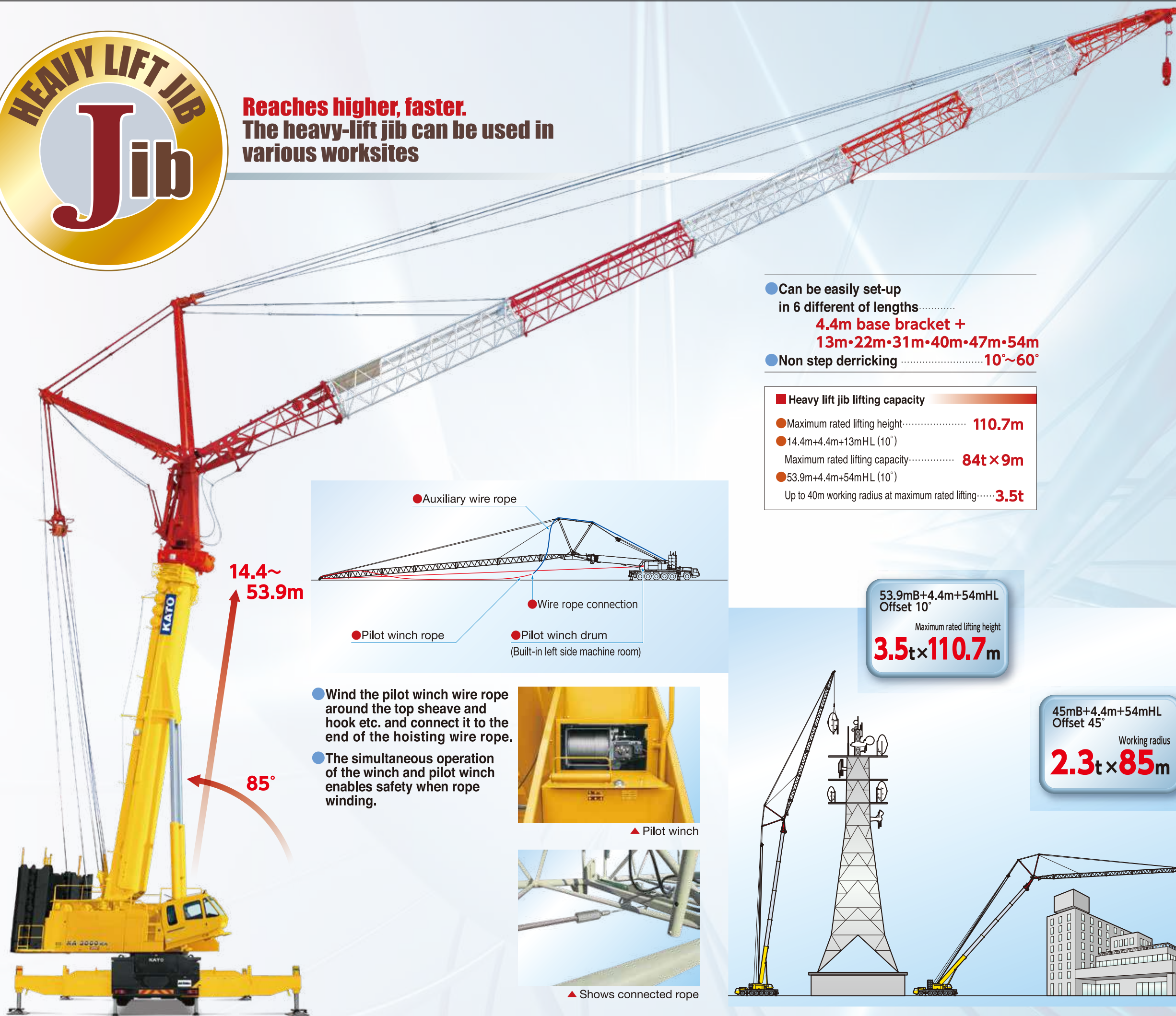
Can be assembled in confined worksites by using the vertical-function

- Can be easily set-up in 6 different of lengths.....
4.4m base bracket + 13m•22m•31m•40m•47m•54m
- Non step derricking **10°~60°**

Heavy lift jib lifting capacity

- Maximum rated lifting height..... **110.7m**
- 14.4m+4.4m+13mHL (10°)
Maximum rated lifting capacity..... **84t×9m**
- 53.9m+4.4m+54mHL (10°)
Up to 40m working radius at maximum rated lifting..... **3.5t**

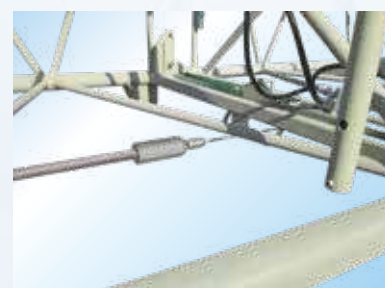
- Pins can be inserted hydraulically during heavy-lift jib deployment.



- Wind the pilot winch wire rope around the top sheave and hook etc. and connect it to the end of the hoisting wire rope.
- The simultaneous operation of the winch and pilot winch enables safety when rope winding.



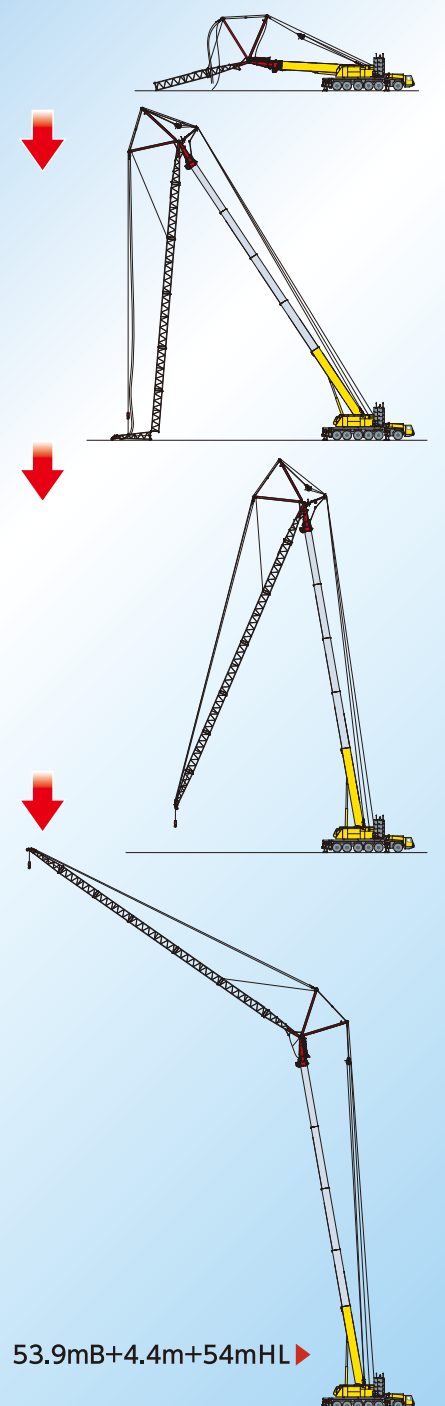
▲ Pilot winch



▲ Shows connected rope

53.9mB+4.4m+54mHL
Offset 10°
Maximum rated lifting height
3.5t×110.7m

45mB+4.4m+54mHL
Offset 45°
Working radius
2.3t×85m



53.9mB+4.4m+54mHL ▶

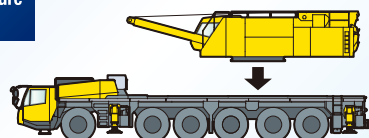
EASY REMOVE Transportation

Boom, luffing jib, heavy-lift assembly/disassembly are now speedy due to the modification of each connecting pin fixing mechanism

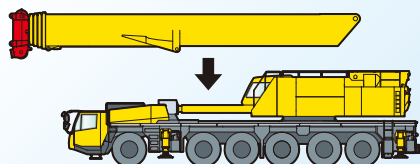
①: Carrier approach



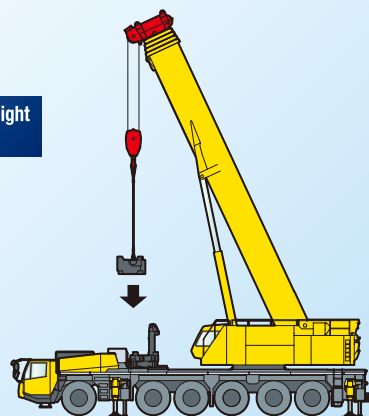
②: Upper slewing structure installation



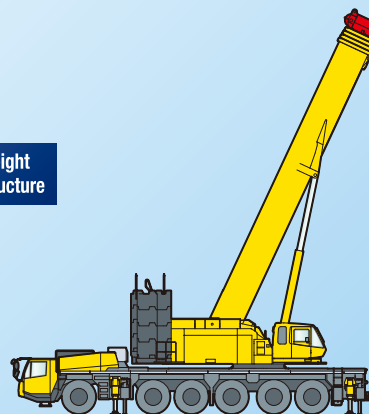
③: Boom installation



④: Installing counter weight on carrier upper side

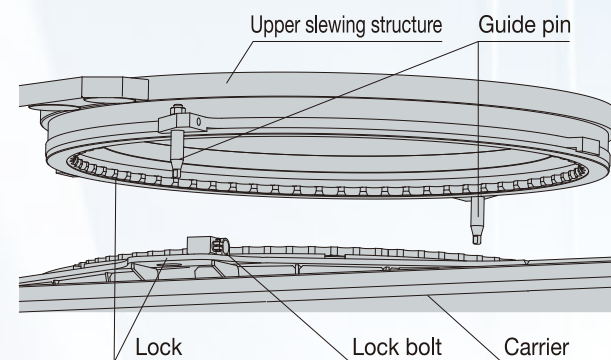


⑤: Installing counter weight on upper slewing structure



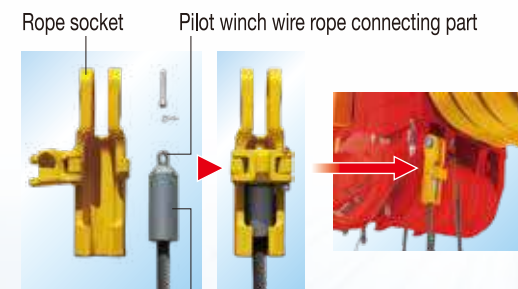
Bayonet mount mechanism adopted for slewing circle

- Equipped with guide pin that accurately determines the connecting position.
- Adoption of a Quick and Easy installation by using the bayonet mount mechanism also used in the KA-1300RX.

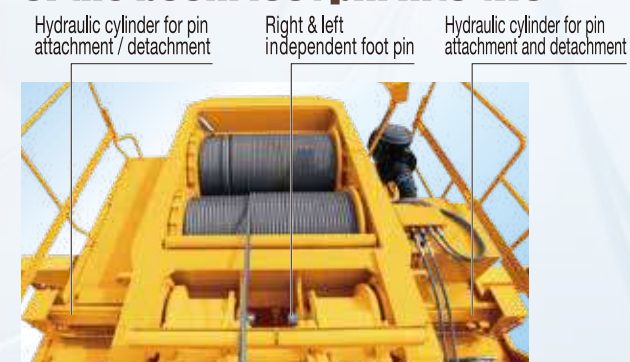


※Bayonet mount mechanism
Bayonet mount mechanism is used to fix overlapping lock of the slewing upper structure and lock of carrier by a slight slew operation and by aligning with guide pin.

Speedy hook installation by New type rope edge & socket



Speedy attachment and detachment due to division of the boom foot pin into two



COUNTER WEIGHT Weight

Side base weight is detachable. Work with the counterweight is equivalent to the carrier width

①: No weight



②: Base + center 4 layers



③: Base+ center 4 layers + side 4 layers



17 types of counter weight combinations

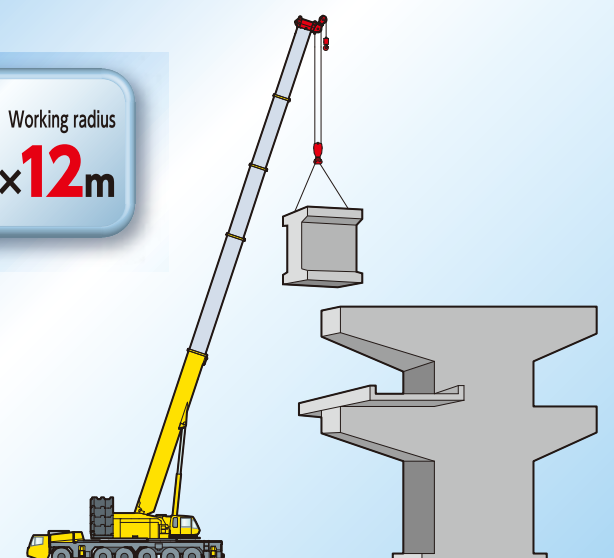
(105t~11t) (9 types of performance classifications)

- Similar counter weight shapes. Assembly order unchangeable.
- Depending on the situation at the worksite it is possible to change the combination with emphasis on height and width.
- Installing stanchions on weight.



▲ Example of counterweight assembly (detaching side base)

40mB Working radius
60t×12m





Wide cabin
Original carrier for Kato's All terrain crane



▲ large size retractable bed
(2320mm×600mm)



▲ Instrument panel equipped
with touch screen information display

◀ Large size cabin
Wide visibility and
comfortability

Extremely little inner circle difference Usually 6 axles steering system

- "Crab steering" and "counter steering" operated with a switch in the cabin, enables smooth entrance in small sites.
- When driving in worksites the tight-turn performance can be used to turn in left/right in right-angle passages.
- Right-angle passage width..... **8.39m**
(worksite traveling position)

Vehicle body position control ability

- The vehicle body position can be adjusted to the front-rear and left-right directions in accordance to the road surface conditions by extending/retracting the suspension cylinder.

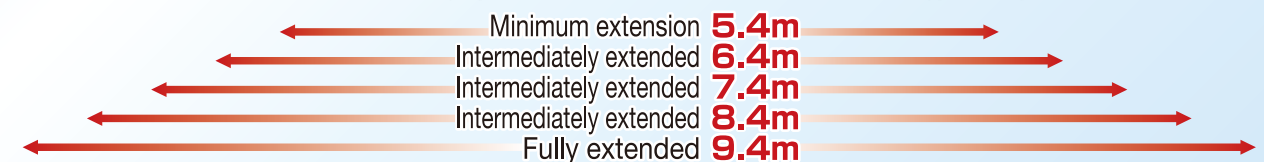
◀ Left and right hand
drive are selectable



Outrigger Ensure safe and stable operation by
5-position outriggers

5-position outriggers

- Can be operated inside
by control panel.



Outrigger control panel (Left side of carrier)

- Easy to set the crane level by using an electronic leveling device.
- Outrigger reaction force display function.
(Can be also checked in cabin)



LCD touch screen panel ▲

Safety brake system

- When going down a long slope, the combination of the retarder, exhaust brake + decompression brake ensures even safer driving.
- All wheels are equipped with full air disc brakes that are easy to maintain and do not easily fade.



- DEF SCR exhaust gas after-treatment device.
- Adopts an electronic fuel control system, a high power engine with low fuel consumption.
- EUROMOT IIIB compliant engine

■ Maximum power	
● 405kW / 1800min ⁻¹	
■ Maximum torque	
● 2600N·m / 1300min ⁻¹	



Safety, Comfortability & Advanced functions

Wide visibility, and lever arrangement with excellent operability. Ergonomically comfortable cabin

- Configuration of control levers are common to the KATO's rough terrain crane.
- The hydraulic pilot lever enables smooth operability with fine to high-speed operation.
- Wide visibility for both upper, right & left side.



※Monitor display is composite picture.

▲Cabin interior

Comfortable tilting cabin

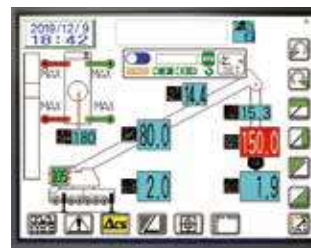
- Able to tilt from 0 to 15 degrees. Tilting type essential for long boom work. Provides a safe and pleasant work environment by securing the upward view.
- Air conditioner vents installed in the front.

New ACS is adopted Various function with touch screen color display

- Able to work with hook lift displayed and can be used in various conditions.
- The load factor limit function. It limits the load factor to 80%~100% of the rated lifting capacity by automatic crane stoppage and keeps a safe margin.
- Shows momentary and average wind speed on display.



▲Tilting cabin



▲Touch panel color display

Newly adopted COR information touchscreen display

- This device always shows various other information e.g. fuel consumption etc, on the wide display. Greatly improves energy efficiency by checking working time and fuel consumption.
- During operation the ECO switch can reduce fuel consumption and noise by adjusting the max. engine speed to optimum working speed.

NEW ● Outrigger mode for checking outrigger reaction force from in the crane cabin.



▲Main screen



▲Main screen (Eco mode)



▲Outrigger mode



▲Maintenance mode



Equipments Progressive Features

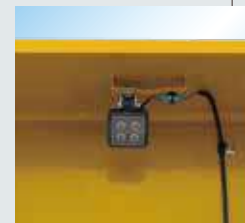
Equipment with reliability and usability is installed in necessary places



▲Catalyzer
(Catalytic device)



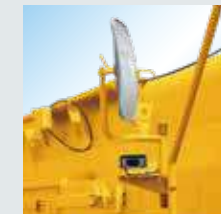
▲LED Lamp
(For boom foot pin)



▲LED Lamp
(For counter weight)



▲Rear view camera



▲Left side view camera



▲LED lamp (Left machine room)



▲Side marker lamp



▲Outrigger touch screen control panel



▲DEF tank



▲ACS outside LED lamp



▲LED Lamp (Cab)



▲Slide step (Cab)



*Traveling position in working site



▲Winch camera & lamp



▲Electric retractable step