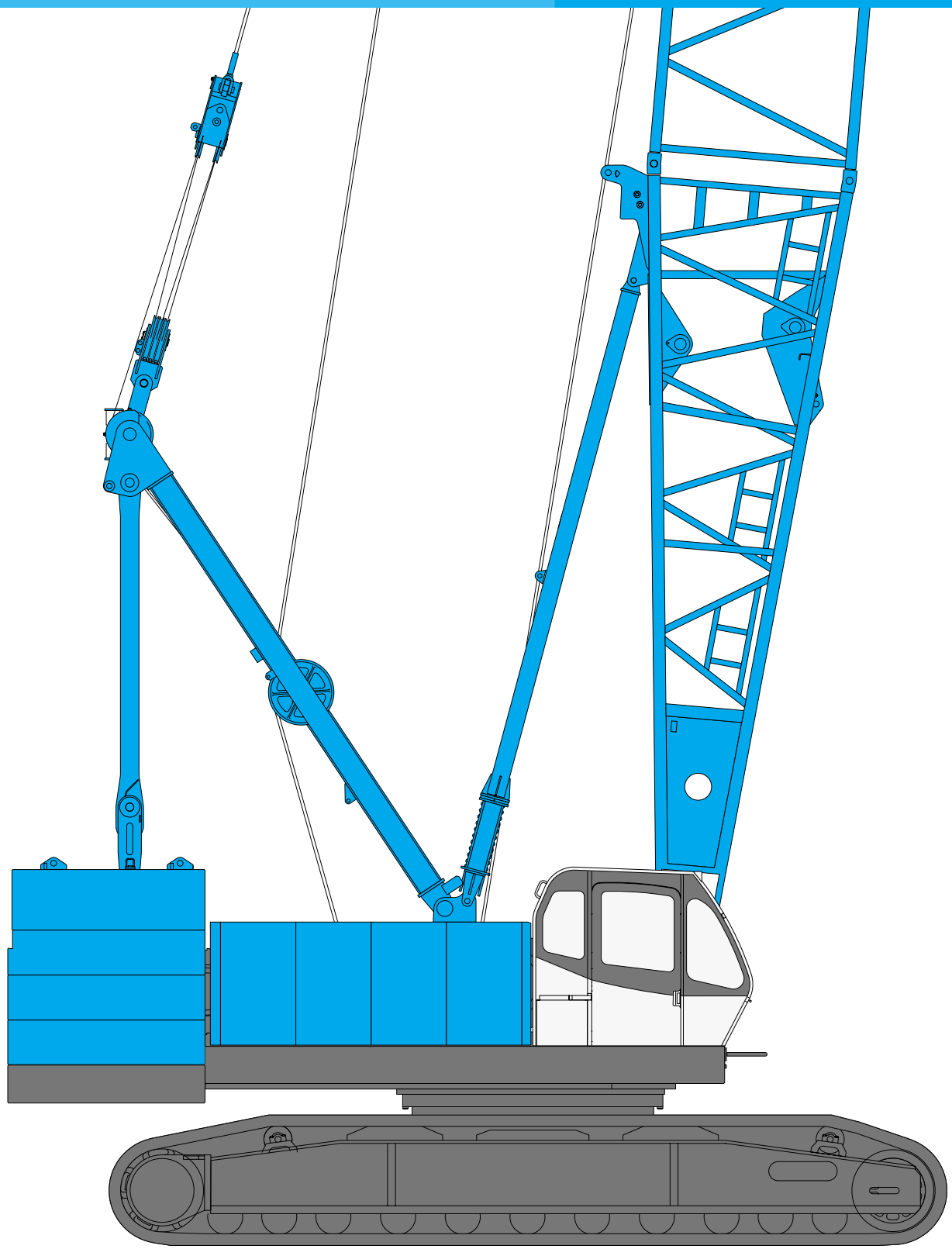
KOBELCO

# HYDRAULIC CRAWLER CRANE

# 7120

**Model: 7120-1F**



**Max. Lifting Capacity: 120 t x 5.0 m**
**Max. Crane Boom Length: 61.0 m**
**Max. Long Boom Length: 79.2 m**
**Max. Fixed Jib Combination: 61.0 + 30.5 m**
**Max. Tower Jib Combination: 51.7 + 44.2 m**

# CONFIGURATION

## Long Boom

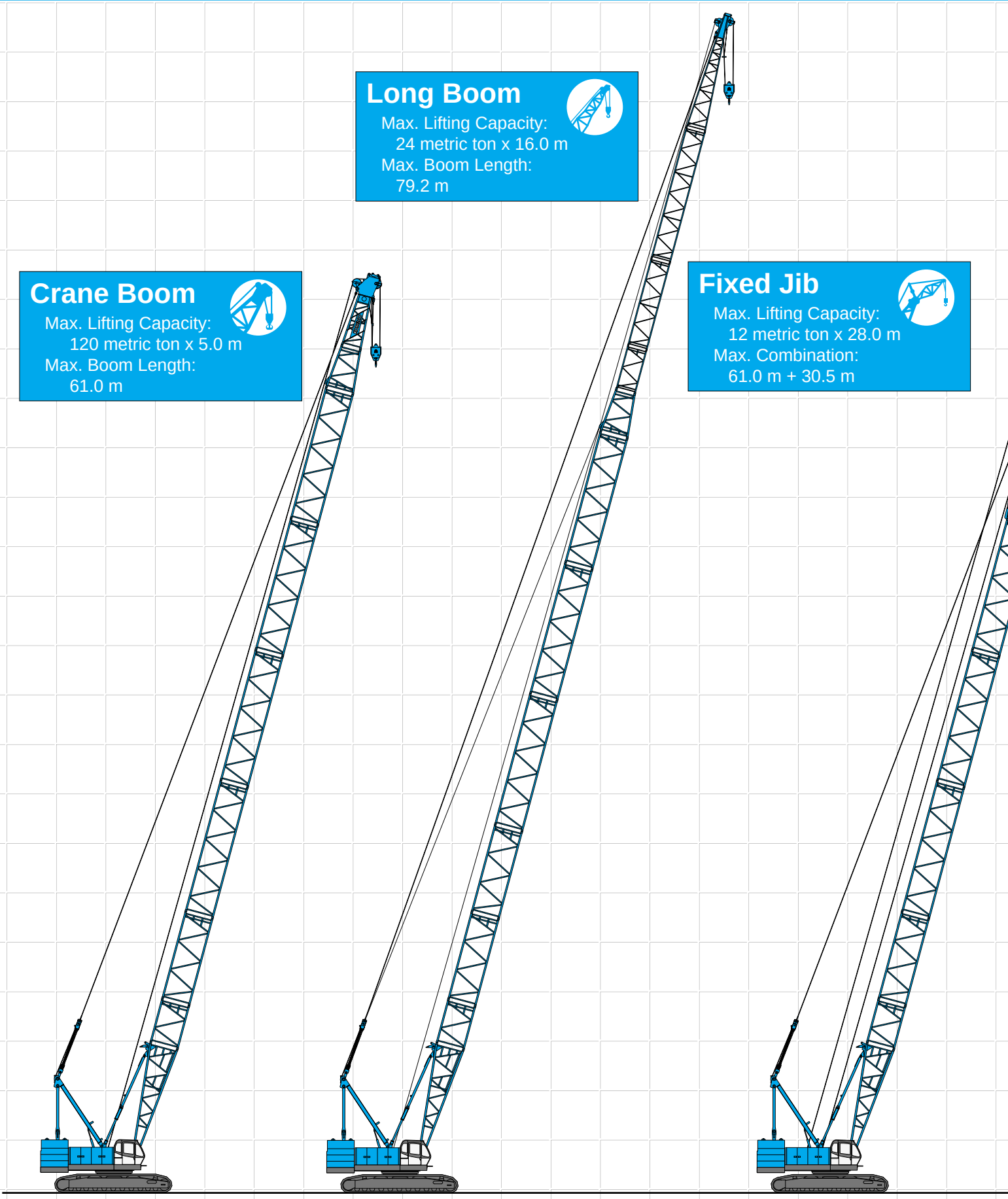
Max. Lifting Capacity:
24 metric ton x 16.0 m
Max. Boom Length:
79.2 m

## Crane Boom

Max. Lifting Capacity:
120 metric ton x 5.0 m
Max. Boom Length:
61.0 m

## Fixed Jib

Max. Lifting Capacity:
12 metric ton x 28.0 m
Max. Combination:
61.0 m + 30.5 m



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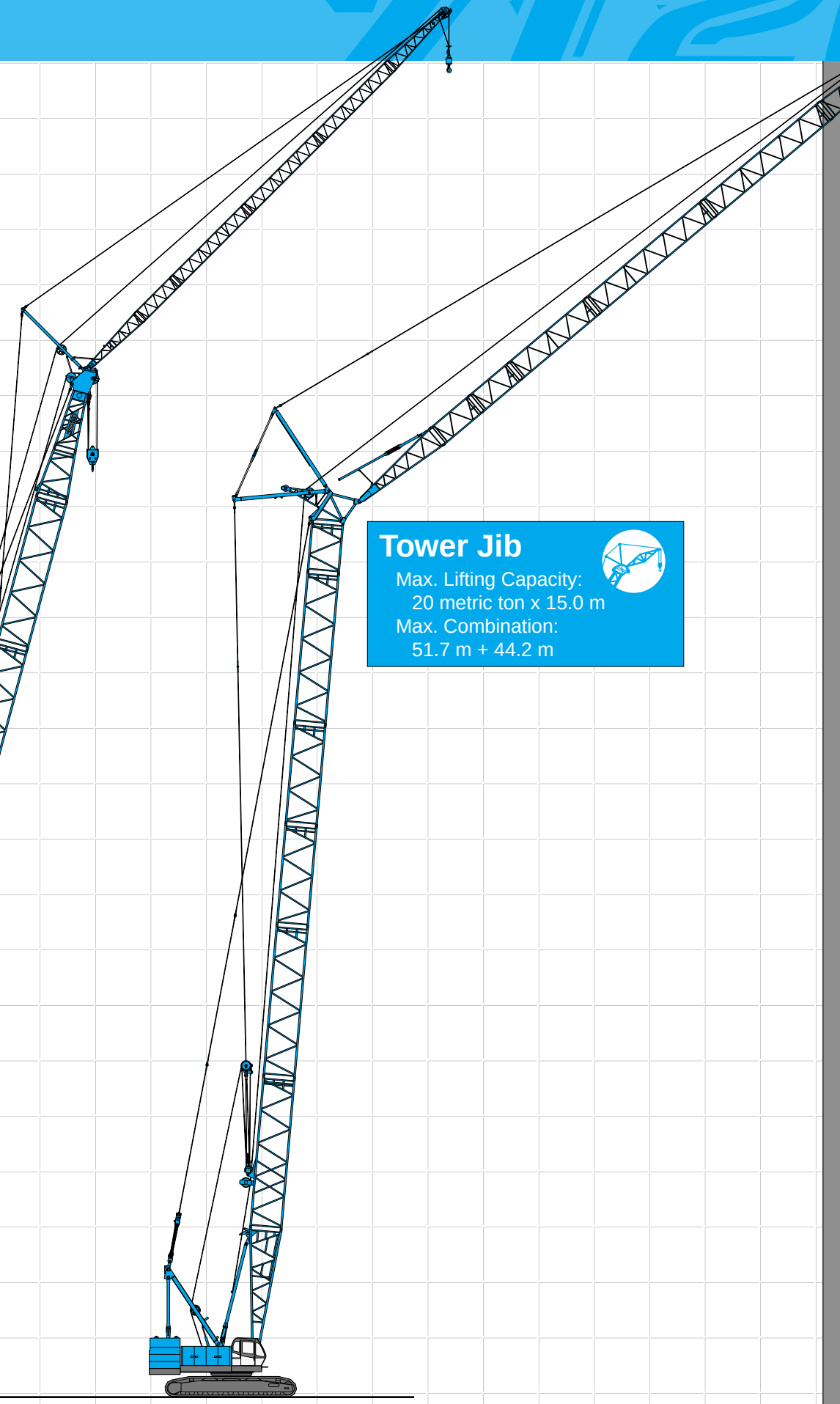


**Tower Jib**

Max. Lifting Capacity:
20 metric ton x 15.0 m
Max. Combination:
51.7 m + 44.2 m

## CONTENTS

# SPECIFICATIONS

## Power Plant

**Model:** Hino diesel engine P11C-UN
**Type:** Water-cooled, direct fuel injection, with turbocharger Compiles with NRMM (Europe) Stage IIIA and US EPA Tier III.
**Displacement:** 10.520 liters
**Rated Power:** 247 kW at 2,000 $min^{-1}$ {rpm} (ISO)
**Max. torque:** 1,300 N·m/1,500 $min^{-1}$
**Cooling system:** Liquid, recirculating bypass
**Starter:** 24 V/6.0 kW
**Radiator:** Corrugated type core, thermostatically controlled
**Air cleaner:** Dry type with replaceable paper element
**Throttle:** Electric throttle control, twist grip type
**Fuel filter:** Replaceable paper element
**Batteries:** Two 12V, 136 Ah/5HR capacity batteries, series connected.
**Fuel tank capacity:** 400 liters

## Hydraulic System

Four variable displacement piston pumps are driven by heavy-duty pump drive. Two of variable displacement pumps are used in the main hook hoist circuit, auxiliary hook hoist circuit and each propel circuit. One of the other two pumps is used in the swing circuit. The other is used in the boom hoist circuit and third hoist circuit.
**Control:** Full-flow hydraulic control system for infinitely variable pressure to front and rear drums, boom hoist brakes and clutches. Controls respond instantly to the touch, delivering smooth function operation.
**Cooling:** Oil-to-air heat exchanger (plate-fin type)
**Filtration:** Full-flow and bypass type with replaceable element
**Electrical system:** All wiring corded for easy servicing, individual fused branch circuits.

**Max. relief valve pressure:**
**Load hoist, boom hoist and propel system:**
31.9 MPa {325 $kgf/cm^2$}
**Swing system:** 27.5 MPa {280 $kgf/cm^2$}
**Control system:** 7.0 MPa {71 $kgf/cm^2$}
**Reservoir capacity:** 535 liters

## Boom Hoisting System

Powered by a hydraulic motor through a planetary reducer.
**Brake:** A spring-set, hydraulically released multiple-disc brake is mounted on the boom hoist motor and operated through a counter-balance valve.
**Drum lock:** External ratchet for locking drum.
**Drum:** Single drum, grooved for 20 mm dia. wire rope.
**Line speed:** Single line on first drum layer
**Hoisting/Lowering:** 48 to 2 m/min

**Diameter of wire ropes**
**Boom guy line:** 30 mm
**Boom hoist reeving:** 12 parts of 20 mm dia.high strength wire rope
**Boom backstops:** Telescopic type with spring bumper
Required for all boom lengths

## Load Hoist System

Front and rear drums for load hoist powered by a hydraulic variable plunger motors, driven through planetary reducers.
**Negative Brake:** A spring-set, hydraulically released multiple-disc brake is mounted on the hoist motor and operated through a counter-balance valve. (Positive free fall brake is optional item.)
**Drum lock:** External ratchet for locking drum.
**Drums:**
**Front drum:**
666 mm P.C.D. x 672 mm Lg. wide drum, grooved for 26 mm wire rope. Rope capacity is 275 m working length and 350 m storage length.
**Rear drum:**
666 mm P.C.D. x 672 mm Lg. wide drum, grooved for 26 mm wire rope. Rope capacity is 255 m working length and 350 m storage length.
Note: Rope lengths listed above denote drum capacity and may differ from actual rope lengths supplied when machinery is shipped.
**Line speed:** Single line on the first drum layer
**Hoisting/Lowering:** 120 to 3 m/min
**Tower Jib Hoisting/Lowering:** 60 to 3 m/min (Rear drum)
**Line Pull (Single-line):**
**Rated line pull:** 118 kN {12.0 tf}

## Swing System

Swing unit is powered by hydraulic motor driving spur gear through planetary reducer, the swing system provides 360° rotation.
**Swing brakes:** A spring-set, hydraulically released multiple-disc brake is mounted on swing motor.
**Swing circle:** Single-row ball bearing with an integral internally cut swing gear.
**Swing lock:** Manually, four position lock for transportation
**Swing speed:** 2.1 $min^{-1}$ {rpm}

## Upper Structure

Torsion-free precision machined upper frame. All components are located clearly and service friendly. Engine with low noise level.
**Counterweight:** 52.3 ton

## Cab & Control

Totally enclosed, full vision cab with safety glass, fully adjustable, high backed seat with a head-rest and armrests, and intermittent wiper and window washer (skylight and front window).

**Cab fittings:**

Air conditioner, convenient compartment (for tool), cup holder, ashtray, cigarette lighter, sun visor, roof blind, tinted glass, floor mat, foot-rest, shoe tray

**Controls:**

Four adjustable levers for front drum, rear drum, boom drum and swing controls

## Lower Structure

Steel-welded carbody with axles. Crawler assemblies are designed with quick disconnect feature for individual removal as a unit from axles. Crawler belt tension is maintained by hydraulic jack force on the track-adjusting bearing block.

**Crawler drive:** Independent hydraulic propel drive is built into each crawler side frame. Each drive consists of a hydraulic motor propelling a driving tumbler through a planetary gear box. Hydraulic motor and gear box are built into the crawler side frame within the shoe width.

**Crawler brakes:** Spring-set, hydraulically released parking brakes are built into each propel drive.

**Steering mechanism:** A hydraulic propel system provides both skid steering (driving one track only) and counter-rotating steering (driving each track in opposite directions).

**Track rollers:** Sealed track rollers for maintenance-free operation.

**Shoes (flat):** 60 shoes, 910 mm wide each crawler

**Max. travel speed:** 1.3/0.9 km/h

**Max. gradeability:** 30%

## Weight

Including upper and lower machine, 52.3 ton counterweight, basic boom (or basic tower + basic tower jib), hook, and other accessories.

| Specification | Weight | Ground pressure |
|---|---|---|
| **Crane boom** | Approx. 120 ton, | 94 kPa {0.96 kgf/cm²} |
| **Tower Jib** | Approx. 130 ton, | 102 kPa {1.04 kgf/cm²} |

## Attachment

**Boom and Jib:**

Welded lattice construction using tubular, high-tensile steel chords with pin connections between sections.

Boom and Jib Length

| | Min. Length (Min. Combination) | Max. Length (Max. Combination) |
|---|---|---|
| Crane Boom | 15.2 m | 61.0 m |
| Long Boom | 61.0 m | 79.2 m |
| Fixed Jib | 24.4 m + 12.2 m | 61.0 m + 30.5 m |
| Tower Jib | 30.4 m + 22.9 m | 51.7 m + 44.2 m |

## Main Specifications (Model: 7120-1F)

| | | |
|---|---|---|
| **Crane Boom** | | |
| Max. Lifting Capacity | 120 t/5.0 m | |
| Max. Length | 61.0 m | |
| **Long Boom** | | |
| Max. Lifting Capacity | 24 t/16.0 m | |
| Max. Length | 79.2 m | |
| **Fixed Jib** | | |
| Max. Lifting Capacity | 12 t/28.0 m | |
| Max. Combination | 61.0 m + 30.5 m | |
| **Tower Jib** | | |
| Max. Lifting Capacity | 20 t/15.0 m | |
| Max. Combination | 51.7 m + 44.2 m | |
| Tower Angle | 60˚ ~ 90˚ | |
| **Main & Aux. Winch** | | |
| Max. Line Speed | 120 m/min (1st layer) | |
| Rated Line Pull (Single-line) | 118 kN {12.0 tf} | |
| Wire Rope Diameter | ϕ26 mm | |
| Wire Rope Length | Crane | 275 m (Main) 255 m (Aux.) |
| | Tower | 290 m (Main) 145 m (Aux.) |
| Brake Type | Spring set hydraulically released multiple disc brake(Negative) | |
| Free-Fall Brake Type | Wet-type multiple disc brake (Optional) | |

| | |
|---|---|
| **Working Speed** | |
| Swing Speed | 2.1 min$^{-1}$ {rpm} |
| Travel Speed | 1.3/0.9 km/h |
| **Power Plant** | |
| Model | Hino P11C-UN |
| Engine Output | 247 kW/2,000 min$^{-1}$ {rpm} |
| Fuel Tank Capacity | 400 liters |
| **Hydraulic System** | |
| Main Pumps | 4 variable displacement |
| Max. Pressure | 31.9 MPa {325 kgf/cm²} |
| Hydraulic Tank Capacity | 535 liters |
| **Weight** | |
| Operating Weight* | Approx. 120 t |
| Ground Pressure* | 94 kPa {0.96 kgf/cm²} |
| Counterweight | 52.3 t |
| Transport Weight** | Approx. 36.8 t |

* Including upper and lower machine, 52.3 ton counterweight, basic boom, hook, and other accessories.

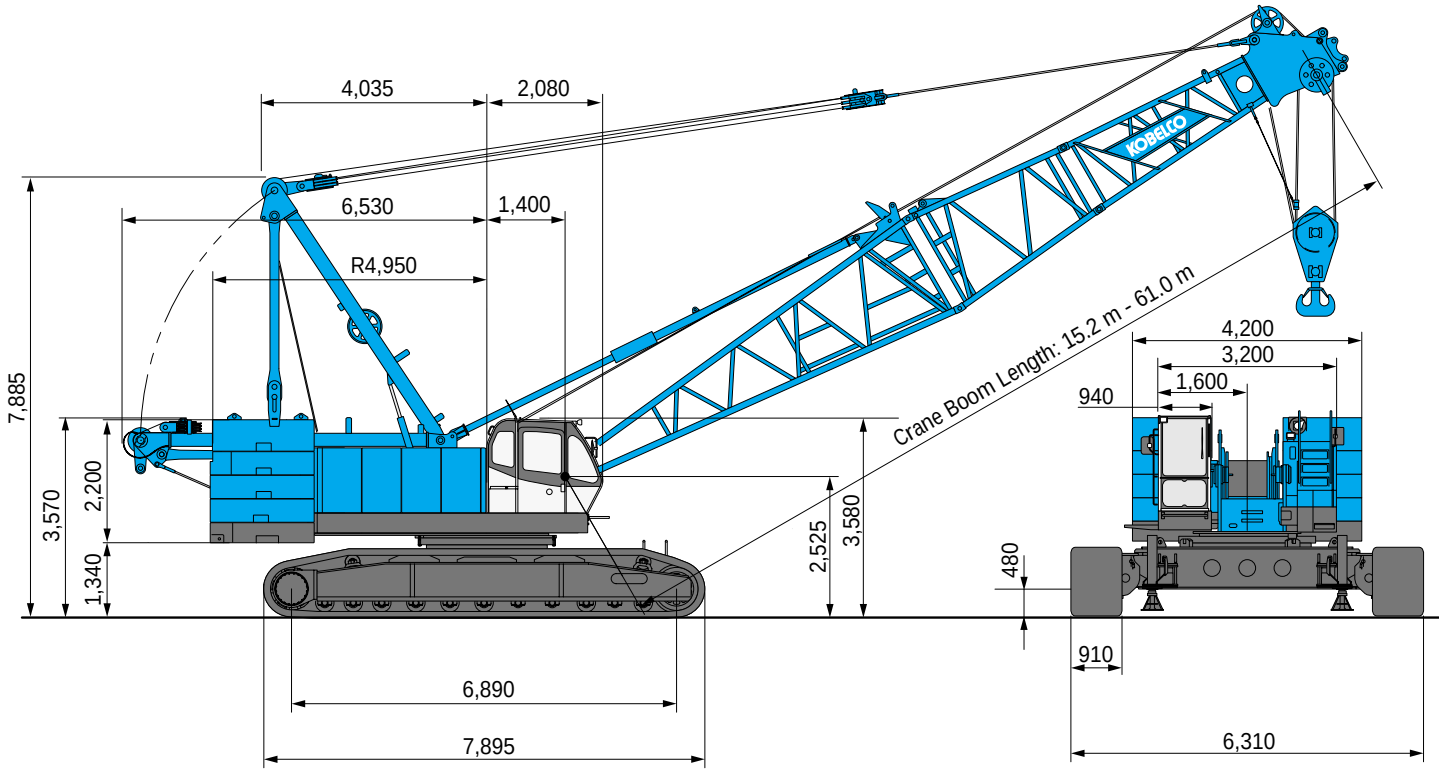
** Base machine with boom base, gantry, carbody, lower spreader and upper spreader.

Units are SI units. {} indicates conventional units.

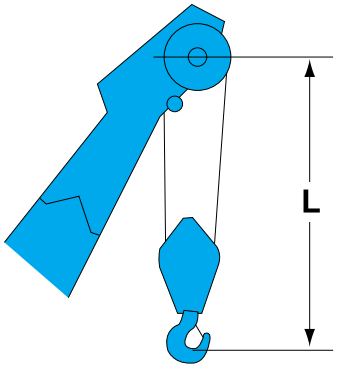
# GENERAL DIMENSIONS

## Crane Boom

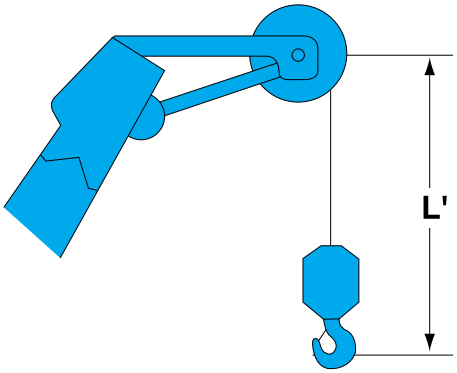
(Unit: mm )




## Limit of Hook Lifting



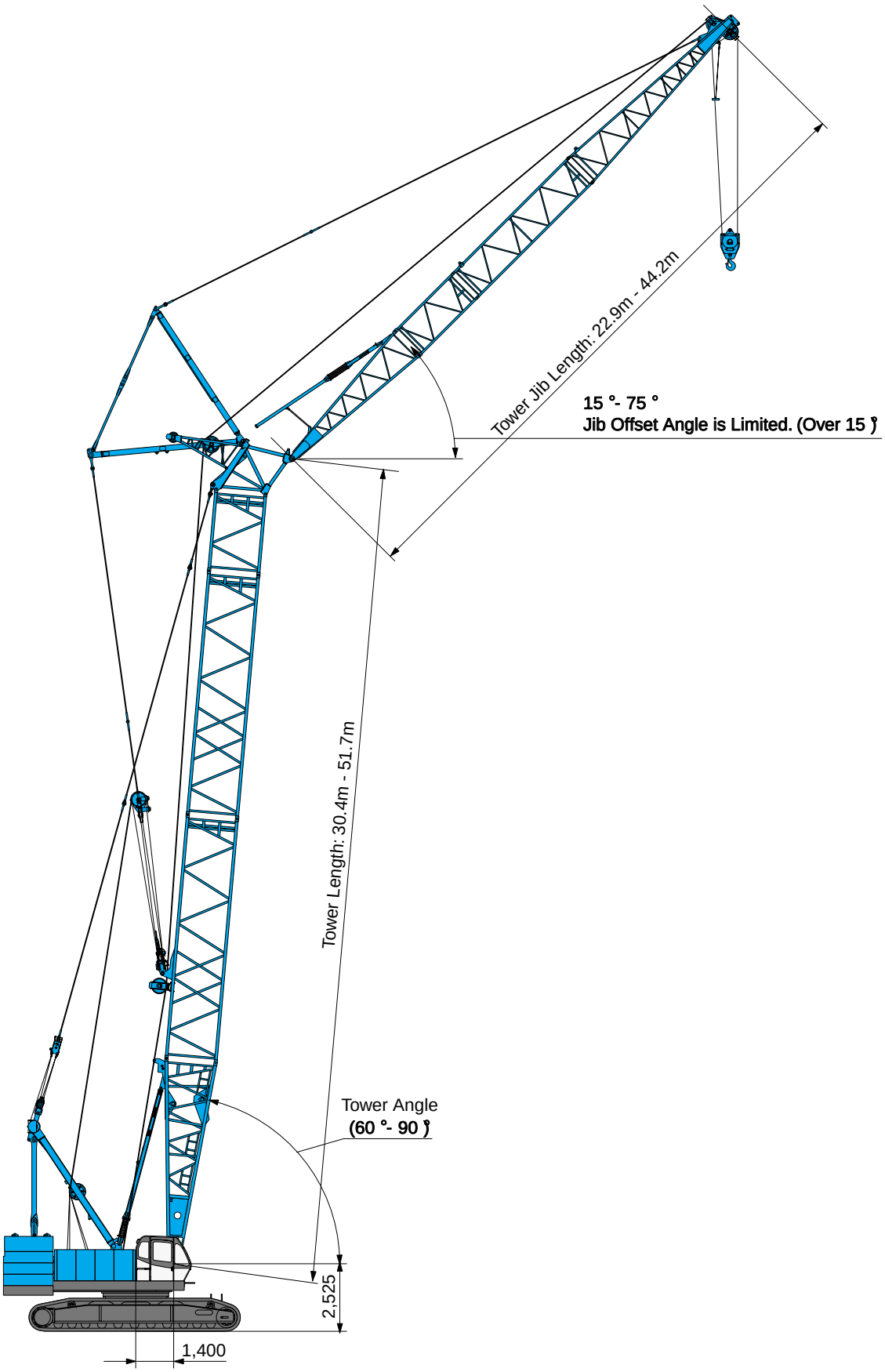

| Hook | L |
|---|---|
| 120 t hook | 5.0 m |
| 70 t hook | 5.0 m |
| 35 t hook | 5.0 m |




| Hook | L' |
|---|---|
| 12 t ball hook | 4.2 m |

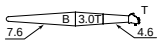
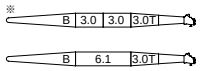
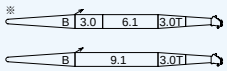
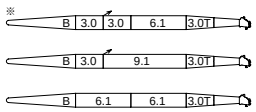
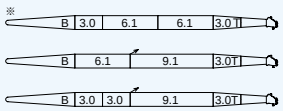
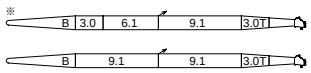
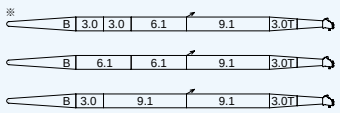
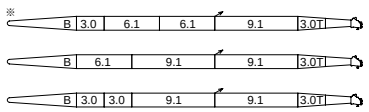
# Tower Jib

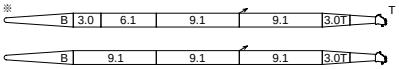
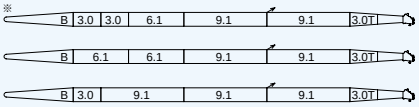
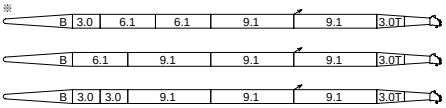
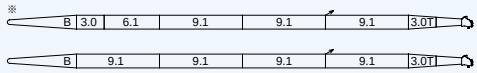
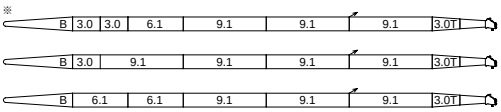
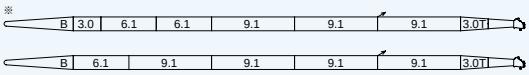
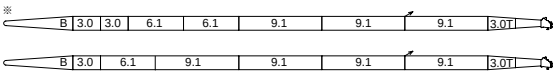
(Unit: mm )



# BOOM AND JIB ARRANGEMENTS

## Crane Boom Arrangements

| Boom length m (ft) | Boom arrangement |
|---|---|
| 15.2 (50) |  |
| 18.3 (60) |  |
| 21.3 (70) |  |
| 24.4 (80) |  |
| 27.4 (90) |  |
| 30.5 (100) |  |
| 33.5 (110) |  |
| 36.6 (120) |  |
| 39.6 (130) |  |

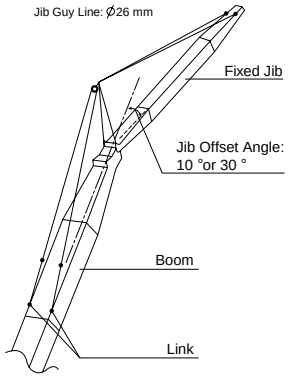
| Boom length m (ft) | Boom arrangement |
|---|---|
| 42.7 (140) |  |
| 45.7 (150) |  |
| 48.8 (160) |  |
| 51.8 (170) |  |
| 54.9 (180) |  |
| 57.9 (190) |  |
| 61.0 (200) |  |

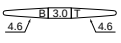
| Symbol | Boom Length | Remarks |
|---|---|---|
| B | 7.6 m | Boom Base |
| T | 4.6 m | Boom Top |
| 3.0T | 3.0 m | Tapered Boom |
| 3.0 | 3.0 m | Insert Boom |
| 6.1 | 6.1 m | Insert Boom |
| 9.1 | 9.1 m | Insert Boom |

mark shows the guy line installing position when the fixed jib is used.

※ Indicates the most flexible combination of insert booms, which can be modified to form all shorter boom arrangements.

## Fixed Jib Arrangements

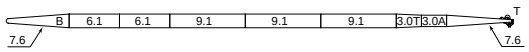
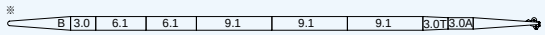
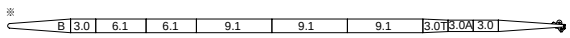
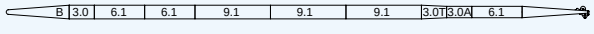
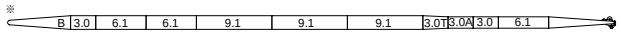
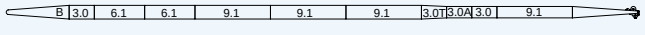
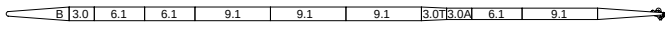



| Crane boom length | Jib length m (ft) | Jib arrangement | Jib offset angle |
|---|---|---|---|
| 24.4 m ≀ 61.0 m | 12.2(40) |  | 30 ° |
| | 18.3 (60) |  | 10 °/30 ° |
| | 24.4 (80) |  | 10 °/30 ° |
| | 30.5 (100) |  | 10 °/30 ° |

| Symbol | Jib Length | Remarks |
|---|---|---|
| B | 4.6 m | Jib Base |
| T | 4.6 m | Jib Top |
| 3.0 | 3.0 m | Insert Jib |
| 6.1 | 6.1 m | Insert Jib |

※ The jib length of 12.2 m is based on the only setting of 30 degrees offset.

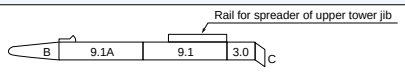
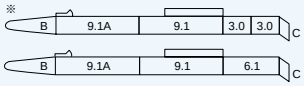
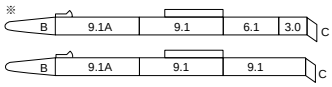
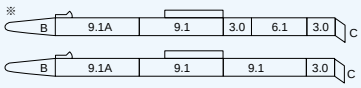
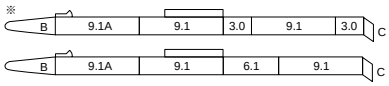
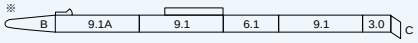
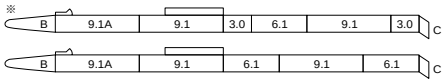
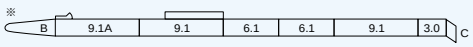
# Long Boom Arrangements

| Boom length m (ft) | Long Boom arrangement |
|---|---|
| 61.0 (200) |  |
| 64.0 (210) |  |
| 67.1 (220) |  |
| 70.1 (230) |  |
| 73.2 (240) |  |
| 76.2 (250) |  |
| 79.2 (260) |  |

| Symbol | Long Boom Length | Remarks |
|---|---|---|
| B | 7.6 m | Boom Base |
| | 7.6 m | Tower Jib Top |
| 3.0 | 3.0 m | Insert Boom |
| 6.1 | 6.1 m | Insert Boom |
| 9.1 | 9.1 m | Insert Boom |
| 3.0T | 3.0 m | Tapered Boom |
| 3.0A | 3.0 m | Relay Jib |
| 3.0 | 3.0 m | Tower Insert Jib |
| 6.1 | 6.1 m | Tower Insert Jib |
| 9.1 | 9.1 m | Tower Insert Jib |

※ Indicates the most flexible combination of insert long booms, which can be modified to form all shorter long boom arrangements.

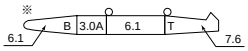
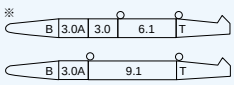
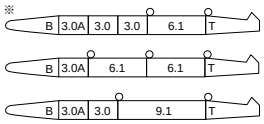
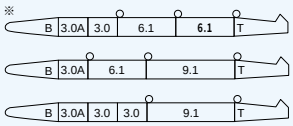
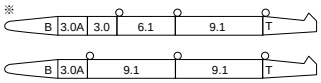
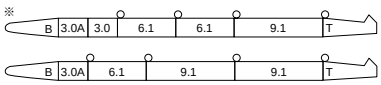
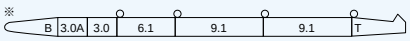
# Tower Arrangements

| Tower length m (ft) | Tower arrangement |
|---|---|
| 30.4 (100) |   |
| 33.4 (110) |   |
| 36.5 (120) |   |
| 39.5 (130) |   |
| 42.5 (140) |   |
| 45.6 (150) |   |
| 48.6 (160) |   |
| 51.7 (170) |   |

| Symbol | Tower Length | Remarks |
|---|---|---|
| B | 7.6 m | Boom Base |
| C | 1.4 m | Tower Cap |
| 3.0 | 3.0 m | Insert Boom |
| 6.1 | 6.1 m | Insert Boom |
| 9.1 | 9.1 m | Insert Boom |
| 9.1A | 9.1 m | Special Insert Boom for Tower |

※ Indicates the most flexible combination of insert tower booms, which can be modified to form all shorter tower boom arrangements.
9.1A should be basically used in tower, and it may be also used as insert boom for crane.

# Tower Jib Arrangements

| Jib length m (ft) | Jib arrangement |
|---|---|
| 22.9 (75) |   |
| 25.9 (85) |   |
| 29.0 (95) |   |
| 32.0 (105) |   |
| 35.1 (115) |   |
| 38.1 (125) |   |
| 41.1 (135) |   |
| 44.2 (145) |   |

| Symbol | Tower Jib Length | Remarks |
|---|---|---|
| B | 6.1 m | Tower Jib Base |
| T | 7.6 m | Tower Jib Top |
| 3.0A | 3.0 m | Relay Jib |
| 3.0 | 3.0 m | Tower Insert Jib |
| 6.1 | 6.1 m | Tower Insert Jib |
| 9.1 | 9.1 m | Tower Insert Jib |

※ Indicates the most flexible combination of insert tower jibs, which can be modified to form all shorter tower jib arrangements.
○ mark indicates position where cable rollers attached

## Tower and Jib Combinations and Allowable Tower Angle

| Tower length \ Jib length | 22.9 m | 25.9 m | 29.0 m | 32.0 m | 35.1 m | 38.1 m | 41.1 m | 44.2 m | Pillow plate |
|---|---|---|---|---|---|---|---|---|---|
| 30.4 m | 90 °60 ° | 90 °60 ° | — | — | — | — | — | — | — |
| 33.4 m | 90 °60 ° | 90 °60 ° | 90 °60 ° | 90 °60 ° | — | — | — | — | — |
| 36.5 m | 90 °60 ° | 90 °60 ° | 90 °60 ° | 90 °60 ° | — | — | — | — | — |
| 39.5 m | 90 °60 ° | 90 °60 ° | 90 °60 ° | 90 °60 ° | 90 °60 ° | — | — | — | — |
| 42.5 m | 90 °60 ° | 90 °60 ° | 90 °60 ° | 90 °60 ° | 90 °60 ° | 90 °60 ° | — | — | — |
| 45.6 m | 90 °60 ° | 90 °60 ° | 90 °60 ° | 90 °60 ° | 90 °60 ° | 90 °60 ° | 90 °70 ° | — | — |
| 48.6 m | 90 °60 ° | 90 °60 ° | 90 °60 ° | 90 °60 ° | 90 °60 ° | 90 °70 ° | 90 °70 ° | 90 °70 ° | — |
| 51.7 m | 90 °60 ° | 90 °60 ° | 90 °60 ° | 90 °60 ° | 90 °70 ° | 90 °70 ° | 90 °70 ° | 90 °70 ° | Need |
| Hook: 35 ton hook | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
| Hook: Ball hook | × | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |

○ : Available
× : Not available

## Hook Blocks

A range of hook blocks can be specified, each with a safety latch.

| Hooks | Weight (kg) | No. of sheaves | No. of lines and max. rated loads (tons) | | | | |
|---|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 | 5 |
| 120-ton | 1,700 | 5 | - | - | - | 48.0 | 60.0 |
| 70-ton | 1,200 | 3 | - | 24.0 | 36.0 | 48.0 | 60.0 |
| 35-ton | 900 | 1 | - | 24.0 | 35.0 | - | - |
| 12-ton ball hook | 450 | 0 | 12.0 | - | - | - | - |

| Hooks | Weight (kg) | No. of sheaves | No. of lines and max. rated loads (tons) | | | | |
|---|---|---|---|---|---|---|---|
| | | | 6 | 7 | 8 | 9 | 10 |
| 120-ton | 1,700 | 5 | 72.0 | 84.0 | 96.0 | 108.0 | 120.0 |
| 70-ton | 1,200 | 3 | 70.0 | - | - | - | - |
| 35-ton | 900 | 1 | - | - | - | - | - |
| 12-ton ball hook | 450 | 0 | - | - | - | - | - |

## Symbols for Attachments:

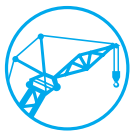

Crane Boom


Auxiliary Sheave for Crane Boom


Long Boom

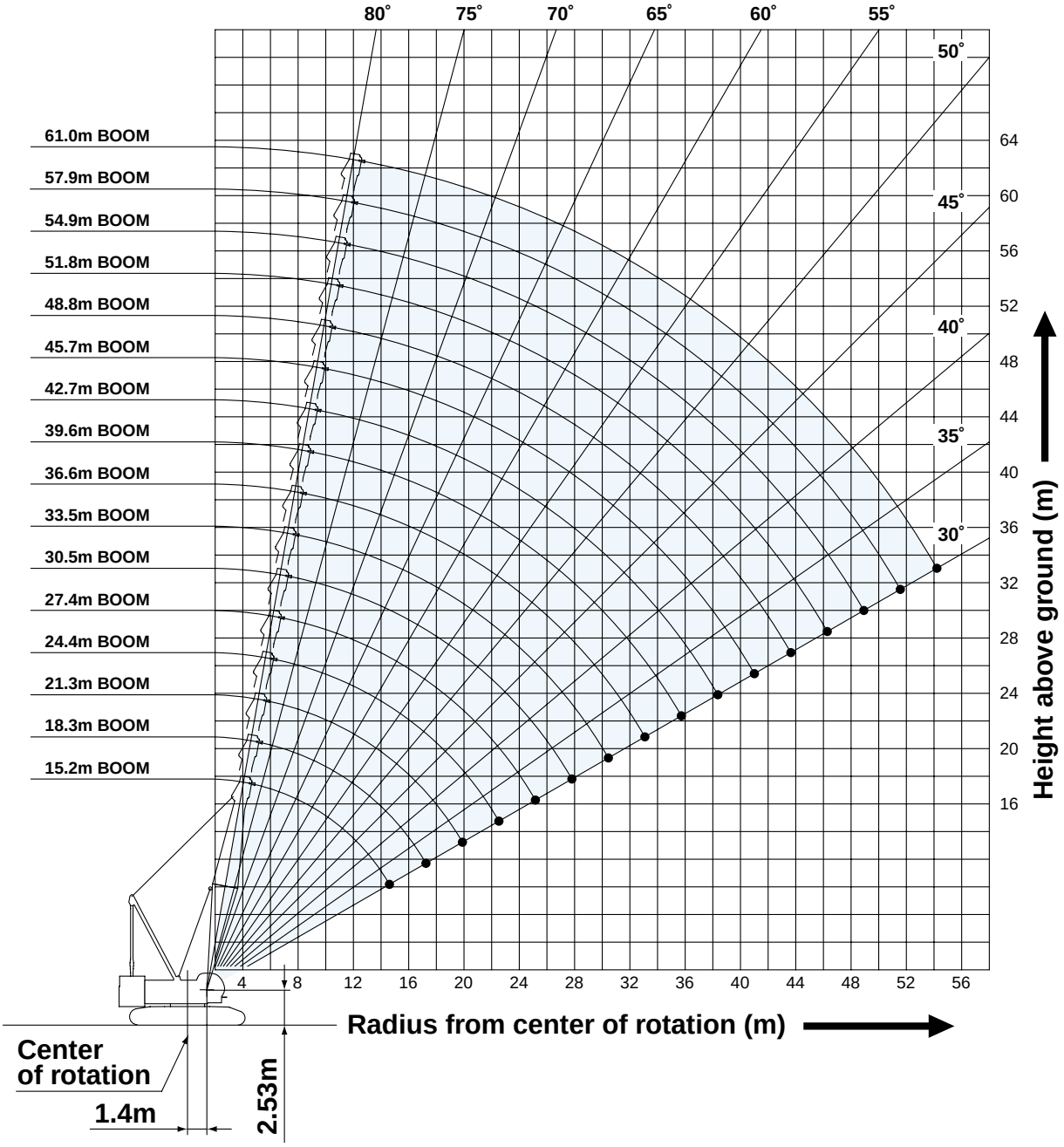

Auxiliary Sheave for Long Boom


Fixed Jib


Tower Jib

# WORKING RANGES AND LIFTING CAPACITIES

## Crane Boom Working Ranges




**NOTES:**

1. Ratings according to Japanese Construction Codes for Mobile Cranes and Japanese Safety Ordinance on Cranes, etc.
2. Ratings in metric tons for 360° working area.
3. Operating radius is the horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
4. Weight of hook block(s), slings and other load handling accessories is included in rated load. Their total weight must be subtracted from rated load to obtain weight that can be lifted.
5. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. Operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
6. Ratings are for operation on a firm and level surface.
7. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
8. Boom inserts and guy lines must be arranged as shown in the "Operator's Manual".
9. Boom hoist reeving is 12 part line.
10. Gantry must be in raised position for all conditions.
11. Boom backstops are required for all boom lengths.
12. Ratings shown in ☐ are determined by the strength of the boom or other structural component.
13. Instruction in the "Operator's Manual" must be strictly observed when operating the machine.
14. Crane boom ratings: Deduct weight of main hook block, slings, and all other load handling accessories from crane boom ratings shown.
15. Auxiliary sheave ratings for crane boom: Deduct weight of ball hook, slings, and all other load handling accessories from auxiliary sheave ratings shown.
16. Crane boom lengths for auxiliary sheave mounting are 15.2 m to 61.0 m.
17. Crane boom ratings with auxiliary sheave: Deduct 0.8 ton from crane boom ratings shown. Minimum rated loads must exceed 2.0 ton.

# Crane Boom Lifting Capacity

Unit: metric ton

**Counterweight: 52.3 t**

| Working radius (m) \ Boom Length (m) | 15.2 | 18.3 | 21.3 | 24.4 | 27.4 | 30.5 | 33.5 | 36.6 | 39.6 | 42.7 | 45.7 | 48.8 | Boom Length (m) \ Working radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **4.5** | 4.5 m/120.0 | | | | | | | | | | | | **4.5** |
| **5.0** | 120.0 | 5.1 m/108.0 | 5.6 m/96.0 | | | | | | | | | | **5.0** |
| **6.0** | 100.0 | 99.8 | 94.9 | 6.1 m/84.0 | 6.7m/74.6 | | | | | | | | **6.0** |
| **7.0** | 85.7 | 85.5 | 85.3 | 81.5 | 73.7 | 7.2 m/66.4 | 7.7m/59.4 | | | | | | **7.0** |
| **8.0** | 73.7 | 73.6 | 73.5 | 73.5 | 71.3 | 64.7 | 58.9 | 8.2 m/53.6 | 8.8 m/48.0 | | | | **8.0** |
| **9.0** | 61.5 | 61.3 | 61.2 | 61.1 | 61.0 | 60.9 | 57.2 | 52.5 | 48.0 | 9.3 m/43.5 | 9.8 m/39.6 | | **9.0** |
| **10.0** | 52.6 | 52.5 | 52.3 | 52.2 | 52.1 | 52.0 | 52.0 | 51.2 | 46.8 | 42.8 | 39.5 | 10.4 m/36.0 | **10.0** |
| **12.0** | 40.6 | 40.5 | 40.3 | 40.2 | 40.0 | 40.0 | 39.9 | 39.7 | 39.7 | 39.5 | 37.8 | 34.7 | **12.0** |
| **14.0** | 33.0 | 32.8 | 32.6 | 32.5 | 32.3 | 32.3 | 32.2 | 32.0 | 31.9 | 31.8 | 31.6 | 31.6 | **14.0** |
| **16.0** | 14.9 m/29.1 | 27.5 | 27.3 | 27.2 | 26.9 | 26.9 | 26.8 | 26.6 | 26.5 | 26.4 | 26.2 | 26.1 | **16.0** |
| **18.0** | | 17.5 m/24.5 | 23.3 | 23.2 | 23.0 | 22.9 | 22.8 | 22.6 | 22.5 | 22.4 | 22.2 | 22.1 | **18.0** |
| **20.0** | | | 20.3 | 20.2 | 20.0 | 19.9 | 19.8 | 19.5 | 19.5 | 19.3 | 19.1 | 19.1 | **20.0** |
| **22.0** | | | 20.1 m/20.2 | 17.8 | 17.6 | 17.5 | 17.4 | 17.1 | 17.1 | 16.9 | 16.7 | 16.6 | **22.0** |
| **24.0** | | | | 22.8 m/17.1 | 15.6 | 15.5 | 15.4 | 15.2 | 15.1 | 14.9 | 14.7 | 14.7 | **24.0** |
| **26.0** | | | | | 25.4 m/14.5 | 13.9 | 13.8 | 13.6 | 13.5 | 13.3 | 13.1 | 13.0 | **26.0** |
| **28.0** | | | | | | 12.6 | 12.5 | 12.2 | 12.1 | 12.0 | 11.7 | 11.7 | **28.0** |
| **30.0** | | | | | | | 11.3 | 11.1 | 11.0 | 10.8 | 10.6 | 10.5 | **30.0** |
| **32.0** | | | | | | | 30.7 m/11.0 | 10.1 | 10.0 | 9.8 | 9.6 | 9.5 | **32.0** |
| **34.0** | | | | | | | | 33.3 m/9.5 | 9.1 | 8.9 | 8.7 | 8.6 | **34.0** |
| **36.0** | | | | | | | | | 8.4 | 8.2 | 8.0 | 7.9 | **36.0** |
| **38.0** | | | | | | | | | | 7.5 | 7.3 | 7.2 | **38.0** |
| **40.0** | | | | | | | | | | 38.6m/7.4 | 6.7 | 6.6 | **40.0** |
| **42.0** | | | | | | | | | | | 41.2 m/6.4 | 6.1 | **42.0** |
| **44.0** | | | | | | | | | | | | 43.9 m/5.6 | **44.0** |
| **Reeves** | 10 | 9 | 8 | 7 | 7 | 6 | 5 | 5 | 4 | 4 | 4 | 3 | **Reeves** |

| Working radius (m) \ Boom Length (m) | 51.8 | 54.9 | 57.9 | 61.0 | Boom Length (m) \ Working radius (m) |
|---|---|---|---|---|---|
| **10.0** | 10.9 m/32.1 | 11.4 m/29.4 | | | **10.0** |
| **12.0** | 31.4 | 29.0 | 26.9 | 12.5 m/24.0 | **12.0** |
| **14.0** | 30.1 | 27.9 | 25.9 | 23.5 | **14.0** |
| **16.0** | 26.0 | 25.8 | 24.9 | 22.8 | **16.0** |
| **18.0** | 22.0 | 21.8 | 21.6 | 21.4 | **18.0** |
| **20.0** | 18.9 | 18.7 | 18.6 | 18.5 | **20.0** |
| **22.0** | 16.5 | 16.3 | 16.1 | 16.0 | **22.0** |
| **24.0** | 14.5 | 14.3 | 14.1 | 14.1 | **24.0** |
| **26.0** | 12.9 | 12.7 | 12.5 | 12.4 | **26.0** |
| **28.0** | 11.5 | 11.3 | 11.1 | 11.0 | **28.0** |
| **30.0** | 10.3 | 10.1 | 10.0 | 9.9 | **30.0** |
| **32.0** | 9.3 | 9.1 | 9.0 | 8.9 | **32.0** |
| **34.0** | 8.5 | 8.2 | 8.1 | 8.0 | **34.0** |
| **36.0** | 7.7 | 7.5 | 7.3 | 7.2 | **36.0** |
| **38.0** | 7.0 | 6.8 | 6.6 | 6.5 | **38.0** |
| **40.0** | 6.4 | 6.2 | 6.0 | 5.9 | **40.0** |
| **42.0** | 5.9 | 5.7 | 5.5 | 5.4 | **42.0** |
| **44.0** | 5.4 | 5.2 | 5.0 | 4.9 | **44.0** |
| **46.0** | 5.0 | 4.7 | 4.6 | 4.4 | **46.0** |
| **48.0** | 46.5 m/4.9 | 4.3 | 4.1 | 3.9 | **48.0** |
| **50.0** | | 49.2 m/4.1 | 3.7 | 3.5 | **50.0** |
| **52.0** | | | 51.8 m/3.3 | 3.1 | **52.0** |
| **54.0** | | | | 2.7 | **54.0** |
| **56.0** | | | | 54.4 m/2.7 | **56.0** |
| **Reeves** | 3 | 3 | 3 | 2 | **Reeves** |

Note:
Ratings according to Japanese Construction Codes for Mobile Cranes and Japanese Safety Ordinance on Cranes, etc.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Refer to notes P11.

# Auxiliary Sheave Lifting Capacity for Crane Boom (Without Main Hook)

Unit: metric ton

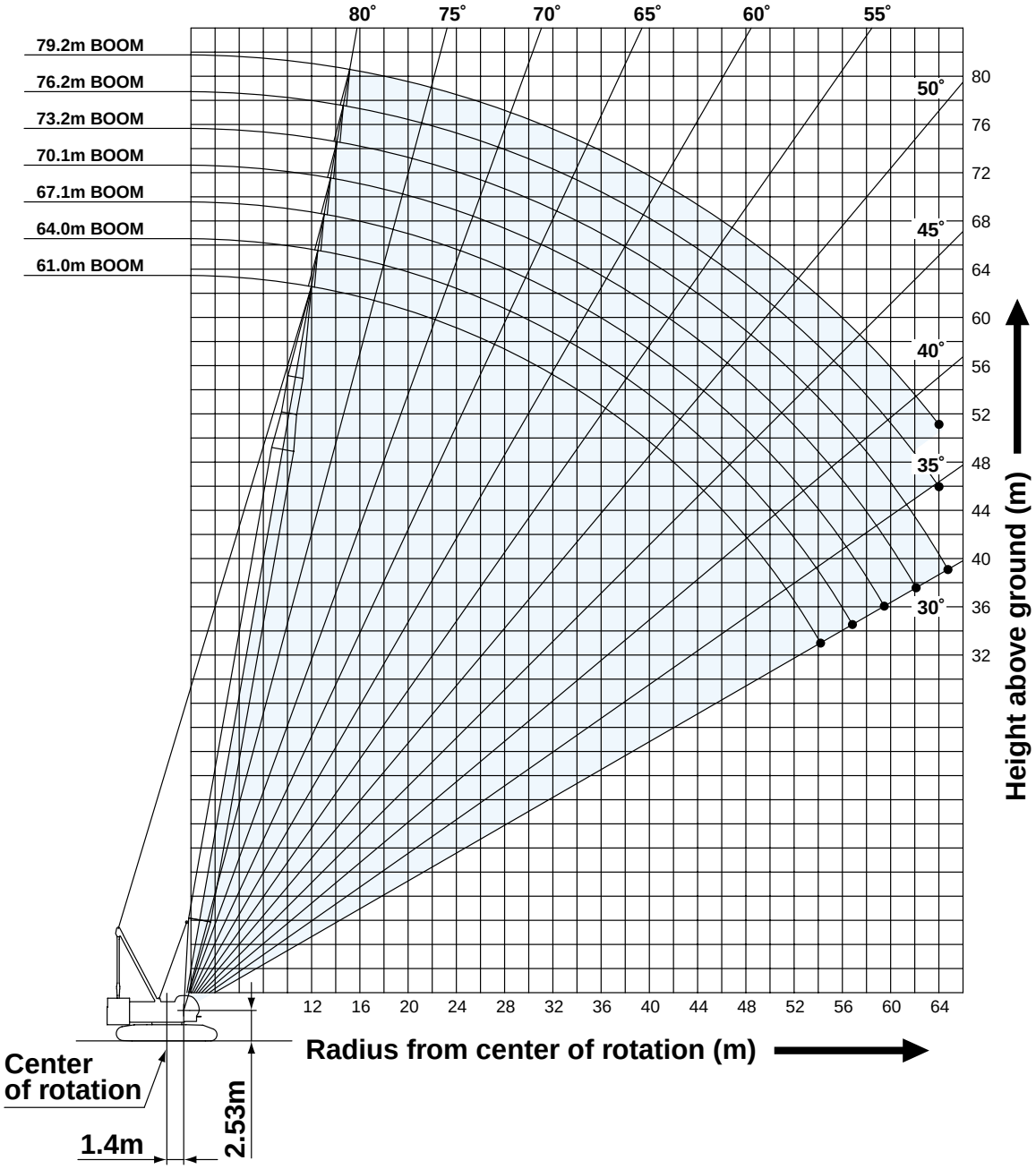
**Counterweight: 52.3 t**

| Working radius (m) \ Boom Length (m) | 15.2 | 18.3 | 21.3 | 24.4 | 27.4 | 30.5 | 33.5 | 36.6 | 39.6 | 42.7 | 45.7 | Boom Length (m) \ Working radius (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **4.5** | | | | | | | | | | | | **4.5** |
| **5.0** | 5.3m/12.0 | 5.8m/12.0 | | | | | | | | | | **5.0** |
| **6.0** | 12.0 | 12.0 | 6.3m/12.0 | 6.9m/12.0 | | | | | | | | **6.0** |
| **7.0** | 12.0 | 12.0 | 12.0 | 12.0 | 7.4m/12.0 | 7.9m/12.0 | | | | | | **7.0** |
| **8.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 8.4m/12.0 | | | | | **8.0** |
| **9.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 9.5m/12.0 | | | **9.0** |
| **10.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 10.6m/12.0 | **10.0** |
| **12.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **12.0** |
| **14.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **14.0** |
| **16.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **16.0** |
| **18.0** | 16.2m/12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **18.0** |
| **20.0** | | 18.8m/12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **20.0** |
| **22.0** | | | 21.5m/12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **22.0** |
| **24.0** | | | | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **24.0** |
| **26.0** | | | | 24.1m/12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **26.0** |
| **28.0** | | | | | 26.7m/12.0 | 12.0 | 12.0 | 11.9 | 11.8 | 11.7 | 11.4 | **28.0** |
| **30.0** | | | | | | 29.4m/12.0 | 11.0 | 10.8 | 10.7 | 10.5 | 10.3 | **30.0** |
| **32.0** | | | | | | | 10.1 | 9.8 | 9.7 | 9.5 | 9.3 | **32.0** |
| **34.0** | | | | | | | | 8.9 | 8.8 | 8.6 | 8.4 | **34.0** |
| **36.0** | | | | | | | | 34.7m/8.6 | 8.1 | 7.9 | 7.7 | **36.0** |
| **38.0** | | | | | | | | | 37.3m/7.6 | 7.2 | 7.0 | **38.0** |
| **40.0** | | | | | | | | | | 39.9m/6.9 | 6.4 | **40.0** |
| **42.0** | | | | | | | | | | | 5.9 | **42.0** |
| **44.0** | | | | | | | | | | | 42.6m/5.8 | **44.0** |
| **Reeves** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | **Reeves** |

| Working radius (m) \ Boom Length (m) | 48.8 | 51.8 | 54.9 | 57.9 | 61.0 | Boom Length (m) \ Working radius (m) |
|---|---|---|---|---|---|---|
| **10.0** | 11.1m/12.0 | 11.6m/12.0 | | | | **10.0** |
| **12.0** | 12.0 | 12.0 | 12.2m/12.0 | 12.7m/12.0 | 13.2m/12.0 | **12.0** |
| **14.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **14.0** |
| **16.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **16.0** |
| **18.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **18.0** |
| **20.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **20.0** |
| **22.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **22.0** |
| **24.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **24.0** |
| **26.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **26.0** |
| **28.0** | 11.4 | 11.2 | 11.0 | 10.8 | 10.7 | **28.0** |
| **30.0** | 10.2 | 10.0 | 9.8 | 9.7 | 9.6 | **30.0** |
| **32.0** | 9.2 | 9.0 | 8.8 | 8.7 | 8.6 | **32.0** |
| **34.0** | 8.3 | 8.2 | 7.9 | 7.8 | 7.7 | **34.0** |
| **36.0** | 7.6 | 7.4 | 7.2 | 7.0 | 6.9 | **36.0** |
| **38.0** | 6.9 | 6.7 | 6.5 | 6.3 | 6.2 | **38.0** |
| **40.0** | 6.3 | 6.1 | 5.9 | 5.7 | 5.6 | **40.0** |
| **42.0** | 5.8 | 5.6 | 5.4 | 5.2 | 5.1 | **42.0** |
| **44.0** | 5.3 | 5.1 | 4.9 | 4.7 | 4.6 | **44.0** |
| **46.0** | 45.2m/5.0 | 4.7 | 4.4 | 4.3 | 4.1 | **46.0** |
| **48.0** | | 47.9m/4.3 | 4.0 | 3.8 | 3.6 | **48.0** |
| **50.0** | | | 3.7 | 3.4 | 3.2 | **50.0** |
| **52.0** | | | 50.5m/3.6 | 3.0 | 2.8 | **52.0** |
| **54.0** | | | | 53.1m/2.7 | 2.4 | **54.0** |
| **56.0** | | | | | 55.8m/2.0 | **56.0** |
| **Reeves** | 1 | 1 | 1 | 1 | 1 | **Reeves** |

Note:
Ratings according to Japanese Construction Codes for Mobile Cranes and Japanese Safety Ordinance on Cranes, etc.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Refer to notes P11.

# Long Boom Working Ranges




**NOTES:**

1. Ratings according to Japanese Construction Codes for Mobile Cranes and Japanese Safety Ordinance on Cranes, etc.
2. Ratings in metric tons for 360° working area.
3. Operating radius is the horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
4. Weight of hook block(s), slings and other load handling accessories is included in rated load. Their total weight must be subtracted from rated load to obtain weight that can be lifted.
5. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. Operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
6. Ratings are for operation on a firm and level surface.
7. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
8. Boom inserts and guy lines must be arranged as shown in the "Operator's Manual".
9. Gantry must be in raised position for all conditions.
10. Boom backstops are required for all boom lengths.
11. Ratings shown in [ ] are determined by the strength of the boom or other structural component.
12. Instruction in the "Operator's Manual" must be strictly observed when operating the machine.
13. Long boom ratings: Deduct weight of hook block, slings, and all other load handling accessories from long boom ratings shown.
14. Auxiliary sheave ratings: Deduct weight of ball hook, slings, and all other load handling accessories from auxiliary sheave ratings for long boom shown.
15. Long boom lengths for auxiliary sheave mounting are 61.0 m to 76.2 m.

# Long Boom Lifting Capacity

Unit: metric ton

**Counterweight: 52.3 t**

| Working radius (m) \ Boom Length (m) | 61.0 | 64.0 | 67.1 | 70.1 | 73.2 | 76.2 | 79.2 | Boom Length (m) / Working radius (m) |
|---|---|---|---|---|---|---|---|---|
| **12.0** | 12.3 m/24.0 | 12.8m/24.0 | 13.3 m/24.0 | 13.9 m/24.0 | | | | **12.0** |
| **14.0** | 24.0 | 24.0 | 24.0 | 24.0 | 14.4m/22.1 | 14.9 m/18.7 | 15.4 m/16.3 | **14.0** |
| **16.0** | 24.0 | 24.0 | 24.0 | 24.0 | 20.9 | 17.9 | 15.9 | **16.0** |
| **18.0** | 22.8 | 22.6 | 22.5 | 22.5 | 19.5 | 16.7 | 14.8 | **18.0** |
| **20.0** | 19.7 | 19.5 | 19.5 | 19.4 | 18.3 | 15.7 | 13.9 | **20.0** |
| **22.0** | 17.3 | 17.1 | 17.0 | 17.0 | 16.9 | 14.8 | 13.1 | **22.0** |
| **24.0** | 15.3 | 15.1 | 15.0 | 15.0 | 14.9 | 14.0 | 12.3 | **24.0** |
| **26.0** | 13.7 | 13.5 | 13.4 | 13.4 | 13.3 | 13.1 | 11.7 | **26.0** |
| **28.0** | 12.3 | 12.1 | 12.0 | 12.0 | 11.9 | 11.7 | 11.2 | **28.0** |
| **30.0** | 11.1 | 10.9 | 10.8 | 10.8 | 10.7 | 10.6 | 10.5 | **30.0** |
| **32.0** | 10.1 | 9.9 | 9.8 | 9.8 | 9.7 | 9.5 | 9.5 | **32.0** |
| **34.0** | 9.2 | 9.0 | 8.9 | 8.9 | 8.8 | 8.7 | 8.6 | **34.0** |
| **36.0** | 8.4 | 8.3 | 8.2 | 8.1 | 8.0 | 7.9 | 7.8 | **36.0** |
| **38.0** | 7.8 | 7.6 | 7.5 | 7.5 | 7.4 | 7.2 | 7.2 | **38.0** |
| **40.0** | 7.2 | 7.0 | 6.9 | 6.8 | 6.7 | 6.6 | 6.5 | **40.0** |
| **42.0** | 6.6 | 6.4 | 6.3 | 6.3 | 6.2 | 6.0 | 6.0 | **42.0** |
| **44.0** | 6.1 | 5.9 | 5.8 | 5.8 | 5.7 | 5.5 | 5.5 | **44.0** |
| **46.0** | 5.7 | 5.5 | 5.4 | 5.3 | 5.2 | 5.1 | 5.0 | **46.0** |
| **48.0** | 5.3 | 5.1 | 5.0 | 4.9 | 4.8 | 4.7 | 4.6 | **48.0** |
| **50.0** | 4.9 | 4.7 | 4.6 | 4.6 | 4.5 | 4.3 | 4.3 | **50.0** |
| **52.0** | 4.6 | 4.4 | 4.3 | 4.2 | 4.1 | 4.0 | 3.9 | **52.0** |
| **54.0** | 4.3 | 4.1 | 3.9 | 3.9 | 3.8 | 3.6 | 3.5 | **54.0** |
| **56.0** | 54.4m/4.2 | 3.8 | 3.7 | 3.6 | 3.5 | 3.3 | 3.2 | **56.0** |
| **58.0** | | 57.0 m/3.6 | 3.4 | 3.3 | 3.2 | 2.9 | 2.9 | **58.0** |
| **60.0** | | | 59.7 m/3.1 | 3.0 | 2.9 | 2.6 | 2.6 | **60.0** |
| **62.0** | | | | 2.8 | 2.6 | 2.4 | 2.3 | **62.0** |
| **64.0** | | | | 62.3 m/2.7 | 2.4 | 2.1 | 2.0 | **64.0** |
| **66.0** | | | | | 64.9 m/2.2 | | | **66.0** |
| **Reeves** | 2 | 2 | 2 | 2 | 2 | 2 | 2 | **Reeves** |

Note:
Ratings according to Japanese Construction Codes for Mobile Cranes and Japanese Safety Ordinance on Cranes, etc.
Ratings shown in ☐ are determined by the strength of the boom or other structural components.
Refer to notes P14.

# Auxiliary Sheave Lifting Capacity for Long Boom (Without Main Hook)

Unit: metric ton

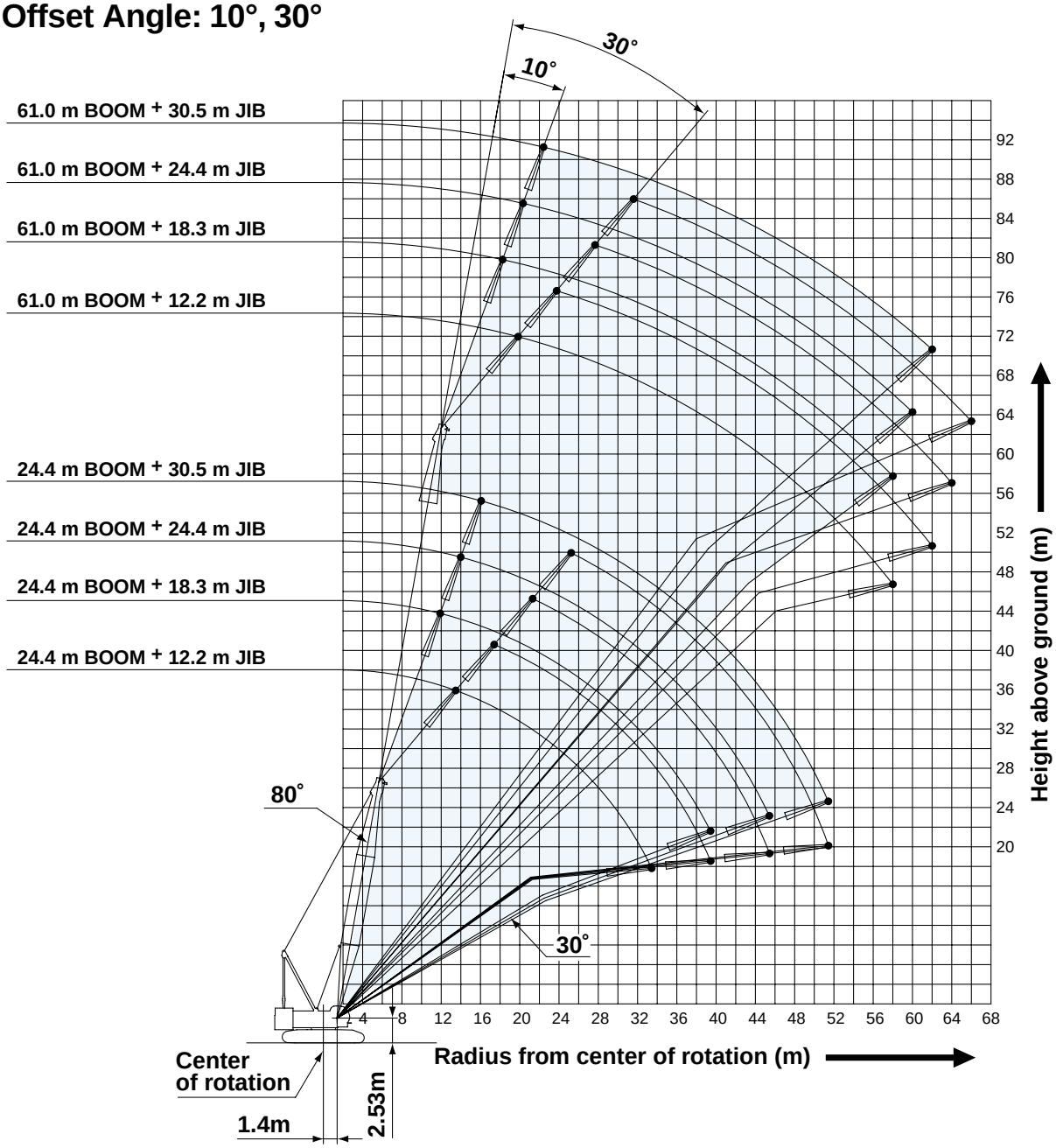
**Counterweight: 52.3 t**

| Working radius (m) \ Boom Length (m) | 61.0 | 64.0 | 67.1 | 70.1 | 73.2 | 76.2 | Boom Length (m) / Working radius (m) |
|---|---|---|---|---|---|---|---|
| **12.0** | 12.9m/12.0 | 13.4m/12.0 | | | | | **12.0** |
| **14.0** | 12.0 | 12.0 | 12.0 | 14.5m/12.0 | 15.0m/12.0 | 15.5m/12.0 | **14.0** |
| **16.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **16.0** |
| **18.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **18.0** |
| **20.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **20.0** |
| **22.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **22.0** |
| **24.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **24.0** |
| **26.0** | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | **26.0** |
| **28.0** | 12.0 | 11.8 | 11.7 | 11.7 | 11.6 | 11.4 | **28.0** |
| **30.0** | 10.8 | 10.6 | 10.5 | 10.5 | 10.4 | 10.3 | **30.0** |
| **32.0** | 9.8 | 9.6 | 9.5 | 9.5 | 9.4 | 9.2 | **32.0** |
| **34.0** | 8.9 | 8.7 | 8.6 | 8.6 | 8.5 | 8.4 | **34.0** |
| **36.0** | 8.1 | 8.0 | 7.9 | 7.8 | 7.7 | 7.6 | **36.0** |
| **38.0** | 7.5 | 7.3 | 7.2 | 7.2 | 7.1 | 6.9 | **38.0** |
| **40.0** | 6.9 | 6.7 | 6.6 | 6.5 | 6.4 | 6.3 | **40.0** |
| **42.0** | 6.3 | 6.1 | 6.0 | 6.0 | 5.9 | 5.7 | **42.0** |
| **44.0** | 5.8 | 5.6 | 5.5 | 5.5 | 5.4 | 5.2 | **44.0** |
| **46.0** | 5.4 | 5.2 | 5.1 | 5.0 | 4.9 | 4.8 | **46.0** |
| **48.0** | 5.0 | 4.8 | 4.7 | 4.6 | 4.5 | 4.4 | **48.0** |
| **50.0** | 4.6 | 4.4 | 4.3 | 4.3 | 4.2 | 4.0 | **50.0** |
| **52.0** | 4.3 | 4.1 | 4.0 | 3.9 | 3.8 | 3.7 | **52.0** |
| **54.0** | 4.0 | 3.8 | 3.6 | 3.6 | 3.5 | 3.3 | **54.0** |
| **56.0** | 55.1m/3.7 | 3.5 | 3.4 | 3.3 | 3.2 | 3.0 | **56.0** |
| **58.0** | | 57.8m/3.2 | 3.1 | 3.0 | 2.9 | 2.6 | **58.0** |
| **60.0** | | | 2.8 | 2.7 | 2.6 | 2.3 | **60.0** |
| **62.0** | | | 60.4m/2.7 | 2.5 | 2.3 | 2.1 | **62.0** |
| **64.0** | | | | 63.0m/2.4 | 2.1 | | **64.0** |
| **66.0** | | | | | | | **66.0** |
| **Reeves** | 2 | 2 | 2 | 2 | 2 | 2 | **Reeves** |

Note:
Ratings according to Japanese Construction Codes for Mobile Cranes and Japanese Safety Ordinance on Cranes, etc.
Ratings shown in ☐ are determined by the strength of the boom or other structural components.
Refer to notes P14.

# Fixed Jib Working Ranges

## Jib Offset Angle: 10°, 30°




**NOTES:**

1. Ratings according to Japanese Construction Codes for Mobile Cranes and Japanese Safety Ordinance on Cranes, etc.
2. Ratings in metric tons for 360° working area.
3. Operating radius is the horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
4. Weight of hook block(s), slings and other load handling accessories is included in rated load. Their total weight must be subtracted from rated load to obtain weight that can be lifted.
5. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. Operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
6. Ratings are for operation on a firm and level surface.
7. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
8. Boom/jib inserts and guy lines must be arranged as shown in the "Operator's Manual".
9. Gantry must be in raised position for all conditions.
10. Boom backstops are required for all boom lengths.
11. Ratings shown in [ ] are determined by the strength of the boom or other structural component.
12. Instruction in the "Operator's Manual" must be strictly observed when operating the machine.
13. Fixed jib ratings: Deduct weight of jib hook block, slings, and all other load handling accessories from jib ratings shown.
14. Crane boom lengths for fixed jib mounting are 24.4 m to 61.0 m.
15. The jib length of 12.2 m is based on the only setting of 30 degrees offset.

# Fixed Jib Lifting Capacities (Without Main Hook)

## Jib Offset Angle: 10°

Unit: metric ton

**Counterweight: 52.3 t**

| Boom length (m) | 24.4 | | | 30.5 | | | 36.6 | | | 42.7 | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 18.3 | 24.4 | 30.5 | 18.3 | 24.4 | 30.5 | 18.3 | 24.4 | 30.5 | 18.3 | 24.4 | 30.5 | Jib length (m) |
| 12.0 | 12.2 m/12.0 | | | 13.3 m/12.0 | | | | | | | | | 12.0 |
| 14.0 | 12.0 | 14.3 m/8.0 | | 12.0 | 15.4 m/8.0 | | 14.4 m/12.0 | | | 15.4 m/12.0 | | | 14.0 |
| 16.0 | 12.0 | 8.0 | 16.4 m/4.0 | 12.0 | 8.0 | 17.5 m/4.0 | 12.0 | 16.4 m/8.0 | | 12.0 | 17.5 m/8.0 | | 16.0 |
| 18.0 | 12.0 | 8.0 | 4.0 | 12.0 | 8.0 | 4.0 | 12.0 | 8.0 | 18.5 m/4.0 | 12.0 | 8.0 | 19.6 m/4.0 | 18.0 |
| 20.0 | 12.0 | 8.0 | 4.0 | 12.0 | 8.0 | 4.0 | 12.0 | 8.0 | 4.0 | 12.0 | 8.0 | 4.0 | 20.0 |
| 22.0 | 12.0 | 7.6 | 4.0 | 12.0 | 8.0 | 4.0 | 12.0 | 8.0 | 4.0 | 12.0 | 8.0 | 4.0 | 22.0 |
| 24.0 | 12.0 | 7.3 | 4.0 | 12.0 | 7.6 | 4.0 | 12.0 | 7.9 | 4.0 | 12.0 | 8.0 | 4.0 | 24.0 |
| 26.0 | 12.0 | 7.0 | 4.0 | 12.0 | 7.3 | 4.0 | 12.0 | 7.6 | 4.0 | 12.0 | 7.9 | 4.0 | 26.0 |
| 28.0 | 11.8 | 6.7 | 3.9 | 12.0 | 7.0 | 4.0 | 12.0 | 7.3 | 4.0 | 12.0 | 7.6 | 4.0 | 28.0 |
| 30.0 | 11.0 | 6.4 | 3.7 | 11.9 | 6.8 | 3.9 | 11.5 | 7.1 | 4.0 | 11.2 | 7.4 | 4.0 | 30.0 |
| 34.0 | 9.7 | 6.0 | 3.4 | 10.0 | 6.3 | 3.6 | 9.6 | 6.6 | 3.8 | 9.3 | 6.9 | 4.0 | 34.0 |
| 38.0 | 8.7 | 5.6 | 3.1 | 8.5 | 5.9 | 3.3 | 8.1 | 6.2 | 3.5 | 7.8 | 6.5 | 3.7 | 38.0 |
| 42.0 | 40.0 m/8.3 | 5.3 | 2.9 | 7.3 | 5.6 | 3.1 | 6.9 | 5.9 | 3.3 | 6.6 | 6.2 | 3.4 | 42.0 |
| 46.0 | | 44.0 m/5.2 | 2.7 | 44.0 m/6.9 | 5.4 | 2.9 | 6.0 | 5.6 | 3.1 | 5.7 | 5.9 | 3.2 | 46.0 |
| 50.0 | | | 2.6 | | 5.2 | 2.7 | 5.2 | 5.4 | 2.9 | 4.9 | 5.1 | 3.0 | 50.0 |
| 54.0 | | | | | | 2.6 | | 4.7 | 2.7 | 4.2 | 4.4 | 2.9 | 54.0 |
| 58.0 | | | | | | 56.0 m/2.5 | | 56.0 m/4.5 | 2.6 | 56.0 m/3.9 | 3.9 | 2.7 | 58.0 |
| 62.0 | | | | | | | | | 60.0 m/2.5 | | 60.0 m/3.6 | 2.6 | 62.0 |
| 66.0 | | | | | | | | | | | | 2.5 | 66.0 |
| Reeves | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Reeves |

Working radius (m)

| Boom length (m) | 48.8 | | | 54.9 | | | 61.0 | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 18.3 | 24.4 | 30.5 | 18.3 | 24.4 | 30.5 | 18.3 | 24.4 | 30.5 | Jib length (m) |
| 16.0 | 16.5 m/12.0 | | | 17.5 m/12.0 | | | | | | 16.0 |
| 18.0 | 12.0 | 18.6 m/8.0 | | 12.0 | 19.6 m/8.0 | | 18.6 m/12.0 | | | 18.0 |
| 20.0 | 12.0 | 8.0 | 20.6 m/4.0 | 12.0 | 8.0 | 21.7 m/4.0 | 12.0 | 20.7 m/8.0 | | 20.0 |
| 22.0 | 12.0 | 8.0 | 4.0 | 12.0 | 8.0 | 4.0 | 12.0 | 8.0 | 22.8 m/4.0 | 22.0 |
| 24.0 | 12.0 | 8.0 | 4.0 | 12.0 | 8.0 | 4.0 | 12.0 | 8.0 | 4.0 | 24.0 |
| 26.0 | 12.0 | 8.0 | 4.0 | 12.0 | 8.0 | 4.0 | 12.0 | 8.0 | 4.0 | 26.0 |
| 28.0 | 12.0 | 7.9 | 4.0 | 11.7 | 8.0 | 4.0 | 11.4 | 8.0 | 4.0 | 28.0 |
| 30.0 | 10.9 | 7.6 | 4.0 | 10.5 | 7.9 | 4.0 | 10.2 | 8.0 | 4.0 | 30.0 |
| 34.0 | 8.9 | 7.2 | 4.0 | 8.6 | 7.4 | 4.0 | 8.2 | 7.6 | 4.0 | 34.0 |
| 38.0 | 7.4 | 6.8 | 3.8 | 7.1 | 7.0 | 4.0 | 6.7 | 7.1 | 4.0 | 38.0 |
| 42.0 | 6.2 | 6.4 | 3.6 | 5.9 | 6.2 | 3.7 | 5.5 | 5.9 | 3.9 | 42.0 |
| 46.0 | 5.3 | 5.6 | 3.4 | 4.9 | 5.2 | 3.5 | 4.5 | 4.9 | 3.7 | 46.0 |
| 50.0 | 4.5 | 4.8 | 3.2 | 4.1 | 4.4 | 3.3 | 3.6 | 4.1 | 3.5 | 50.0 |
| 54.0 | 3.8 | 4.1 | 3.0 | 3.3 | 3.7 | 3.2 | 2.8 | 3.2 | 3.3 | 54.0 |
| 58.0 | 3.2 | 3.5 | 2.9 | 2.6 | 3.0 | 3.0 | 2.1 | 2.5 | 2.7 | 58.0 |
| 62.0 | 60.0 m/2.9 | 2.9 | 2.7 | 2.1 | 2.4 | 2.5 | | 60.0 m/2.2 | 2.1 | 62.0 |
| 66.0 | | 2.4 | 2.5 | | 64.0 m/2.1 | 2.0 | | | | 66.0 |
| 70.0 | | | 2.1 | | | | | | | 70.0 |
| Reeves | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Reeves |

Working radius (m)

Note:
Ratings according to Japanese Construction Codes for Mobile Cranes and Japanese Safety Ordinance on Cranes, etc.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Refer to notes P16.
※ The jib length of 12.2 m is based on the only setting of 30 degrees offset.

Unit: metric ton

## Jib Offset Angle: 30°

**Counterweight: 52.3 t**

| Boom length (m) | 24.4 | | | | 30.5 | | | | 36.6 | | | | 42.7 | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 12.2 | 18.3 | 24.4 | 30.5 | 12.2 | 18.3 | 24.4 | 30.5 | 12.2 | 18.3 | 24.4 | 30.5 | 12.2 | 18.3 | 24.4 | 30.5 | Jib length (m) |
| 12.0 | 13.8 m/10.0 | | | | | | | | | | | | | | | | 12.0 |
| 14.0 | 10.0 | | | | 14.9 m/10.0 | | | | 15.9 m/10.0 | | | | | | | | 14.0 |
| 16.0 | 10.0 | 17.7 m/9.0 | | | 10.0 | | | | 10.0 | | | | 17.0 m/10.0 | | | | 16.0 |
| 18.0 | 10.0 | 9.0 | | | 10.0 | 18.8 m/9.0 | | | 10.0 | 19.9 m/9.0 | | | 10.0 | | | | 18.0 |
| 20.0 | 10.0 | 9.0 | 21.7 m/6.0 | | 10.0 | 9.0 | | | 10.0 | 9.0 | | | 10.0 | 20.9 m/9.0 | | | 20.0 |
| 22.0 | 10.0 | 9.0 | 6.0 | | 10.0 | 9.0 | 22.7 m/6.0 | | 10.0 | 9.0 | 23.8 m/6.0 | | 10.0 | 9.0 | | | 22.0 |
| 24.0 | 10.0 | 9.0 | 6.0 | 25.6 m/3.0 | 10.0 | 9.0 | 6.0 | | 10.0 | 9.0 | 6.0 | | 10.0 | 9.0 | 24.8 m/6.0 | | 24.0 |
| 26.0 | 10.0 | 9.0 | 6.0 | 3.0 | 10.0 | 9.0 | 6.0 | 26.6 m/3.0 | 10.0 | 9.0 | 6.0 | 27.7 m/3.0 | 10.0 | 9.0 | 6.0 | | 26.0 |
| 28.0 | 10.0 | 8.7 | 5.8 | 3.0 | 10.0 | 9.0 | 6.0 | 3.0 | 10.0 | 9.0 | 6.0 | 3.0 | 10.0 | 9.0 | 6.0 | 28.8 m/3.0 | 28.0 |
| 30.0 | 10.0 | 8.3 | 5.7 | 3.0 | 10.0 | 8.9 | 5.8 | 3.0 | 10.0 | 9.0 | 6.0 | 3.0 | 10.0 | 9.0 | 6.0 | 3.0 | 30.0 |
| 34.0 | 10.0 | 7.6 | 5.4 | 2.9 | 9.9 | 8.1 | 5.6 | 3.0 | 9.6 | 8.6 | 5.7 | 3.0 | 9.3 | 9.0 | 5.8 | 3.0 | 34.0 |
| 38.0 | | 7.1 | 5.2 | 2.7 | 8.4 | 7.5 | 5.4 | 2.8 | 8.1 | 8.0 | 5.5 | 2.9 | 7.8 | 8.3 | 5.6 | 3.0 | 38.0 |
| 42.0 | | 40.0 m/6.9 | 5.0 | 2.6 | 40.0 m/7.8 | 7.1 | 5.2 | 2.7 | 6.9 | 7.3 | 5.3 | 2.8 | 6.6 | 7.0 | 5.4 | 2.8 | 42.0 |
| 46.0 | | | 4.7 | 2.5 | | 6.5 | 5.0 | 2.6 | 44.0 m/6.3 | 6.2 | 5.2 | 2.7 | 5.6 | 6.0 | 5.3 | 2.7 | 46.0 |
| 50.0 | | | | 2.4 | | | 4.8 | 2.5 | | 5.4 | 5.0 | 2.6 | 4.8 | 5.1 | 5.1 | 2.6 | 50.0 |
| 54.0 | | | | 52.0 m/2.4 | | | 52.0 m/4.7 | 2.4 | | 52.0 m/5.0 | 4.8 | 2.5 | | 4.4 | 4.6 | 2.5 | 54.0 |
| 58.0 | | | | | | | | 2.4 | | | 56.0 m/4.6 | 2.4 | | 56.0 m/4.1 | 4.0 | 2.5 | 58.0 |
| 62.0 | | | | | | | | | | | | 2.4 | | | 3.5 | 2.4 | 62.0 |
| 66.0 | | | | | | | | | | | | | | | | 2.4 | 66.0 |
| Reeves | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Reeves |

Working radius (m)

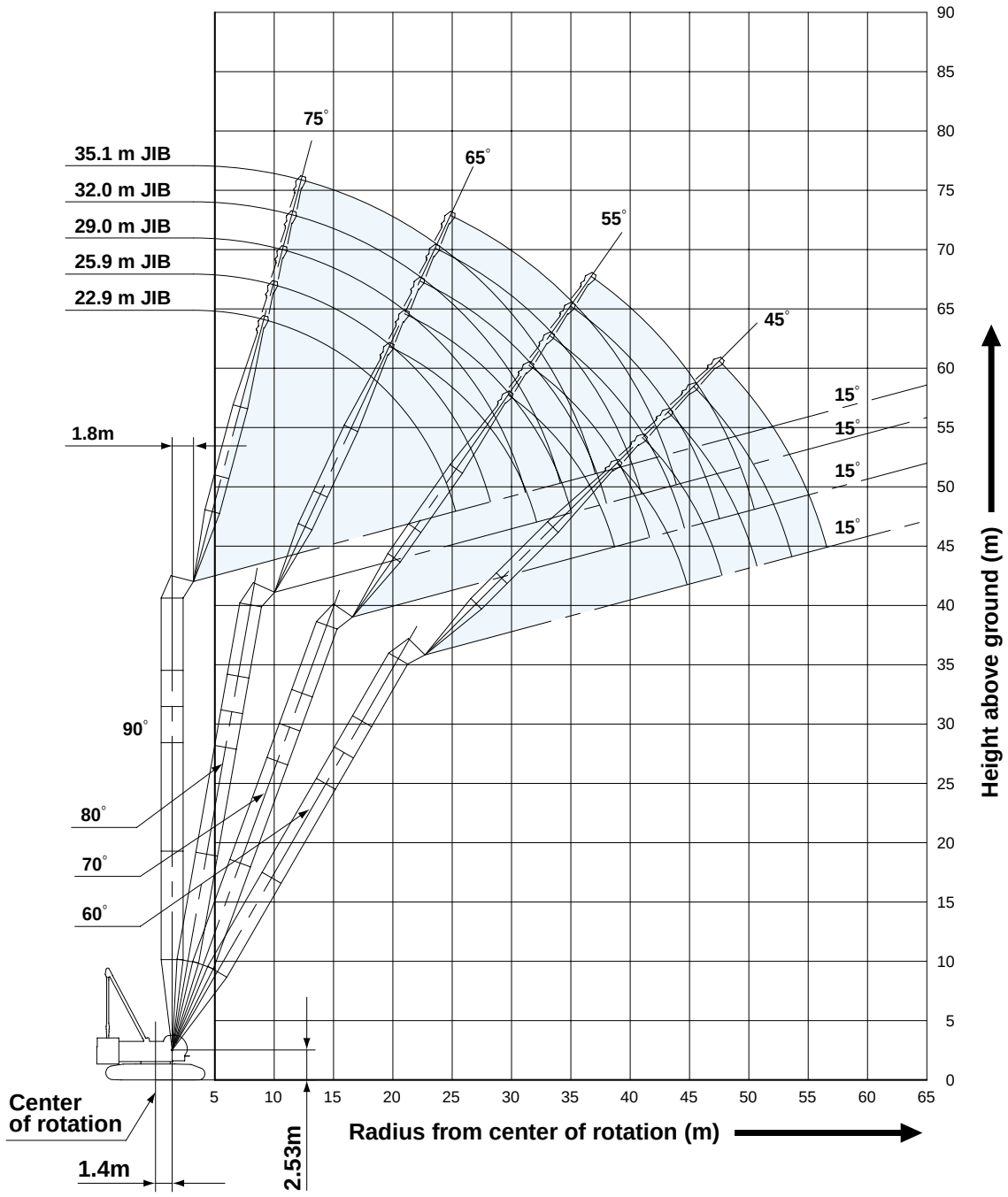
| Boom length (m) | 48.8 | | | | 54.9 | | | | 61.0 | | | | Boom length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 12.2 | 18.3 | 24.4 | 30.5 | 12.2 | 18.3 | 24.4 | 30.5 | 12.2 | 18.3 | 24.4 | 30.5 | Jib length (m) |
| 18.0 | 18.1m/10.0 | | | | 19.1 m/10.0 | | | | | | | | 18.0 |
| 20.0 | 10.0 | | | | 10.0 | | | | 20.1 m/10.0 | | | | 20.0 |
| 22.0 | 10.0 | 9.0 | | | 10.0 | 23.0 m/9.0 | | | 10.0 | | | | 22.0 |
| 24.0 | 10.0 | 9.0 | 25.9 m/6.0 | | 10.0 | 9.0 | | | 10.0 | 24.1 m/9.0 | | | 24.0 |
| 26.0 | 10.0 | 9.0 | 6.0 | | 10.0 | 9.0 | 26.9 m/6.0 | | 10.0 | 9.0 | | | 26.0 |
| 28.0 | 10.0 | 9.0 | 6.0 | 29.8 m/3.0 | 10.0 | 9.0 | 6.0 | | 10.0 | 9.0 | 6.0 | | 28.0 |
| 30.0 | 10.0 | 9.0 | 6.0 | 3.0 | 10.0 | 9.0 | 6.0 | 30.9 m/3.0 | 10.0 | 9.0 | 6.0 | 31.9 m/3.0 | 30.0 |
| 34.0 | 9.0 | 9.0 | 5.9 | 3.0 | 8.7 | 9.0 | 6.0 | 3.0 | 8.4 | 9.0 | 6.0 | 3.0 | 34.0 |
| 38.0 | 7.5 | 8.0 | 5.7 | 3.0 | 7.1 | 7.7 | 5.8 | 3.0 | 6.8 | 7.4 | 5.9 | 3.0 | 38.0 |
| 42.0 | 6.2 | 6.7 | 5.5 | 2.9 | 5.9 | 6.4 | 5.6 | 3.0 | 5.6 | 6.1 | 5.7 | 3.0 | 42.0 |
| 46.0 | 5.2 | 5.7 | 5.4 | 2.8 | 4.9 | 5.4 | 5.5 | 2.8 | 4.6 | 5.1 | 5.5 | 2.9 | 46.0 |
| 50.0 | 4.4 | 4.8 | 5.1 | 2.7 | 4.1 | 4.5 | 4.8 | 2.7 | 3.6 | 4.2 | 4.6 | 2.8 | 50.0 |
| 54.0 | 3.7 | 4.1 | 4.4 | 2.6 | 3.2 | 3.8 | 4.1 | 2.6 | 2.8 | 3.4 | 3.8 | 2.7 | 54.0 |
| 58.0 | 56.0 m/3.4 | 3.5 | 3.7 | 2.5 | 2.5 | 3.0 | 3.4 | 2.6 | 2.0 | 2.6 | 3.0 | 2.6 | 58.0 |
| 62.0 | | 2.8 | 3.2 | 2.5 | 60.0 m/2.2 | 2.4 | 2.7 | 2.5 | | 2.0 | 2.3 | 2.5 | 62.0 |
| 66.0 | | | 2.6 | 2.4 | | 64.0 m/2.1 | 2.1 | 2.4 | | | 64.0 m/2.0 | 2.0 | 66.0 |
| 70.0 | | | 68.0 m/2.3 | 2.3 | | | | 68.0 m/2.1 | | | | | 70.0 |
| 72.0 | | | | 2.1 | | | | | | | | | 72.0 |
| Reeves | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Reeves |

Working radius (m)

Note:
Ratings according to Japanese Construction Codes for Mobile Cranes and Japanese Safety Ordinance on Cranes, etc.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Refer to notes P16.
※ The jib length of 12.2 m is based on the only setting of 30 degrees offset.

# Tower Jib Working Ranges

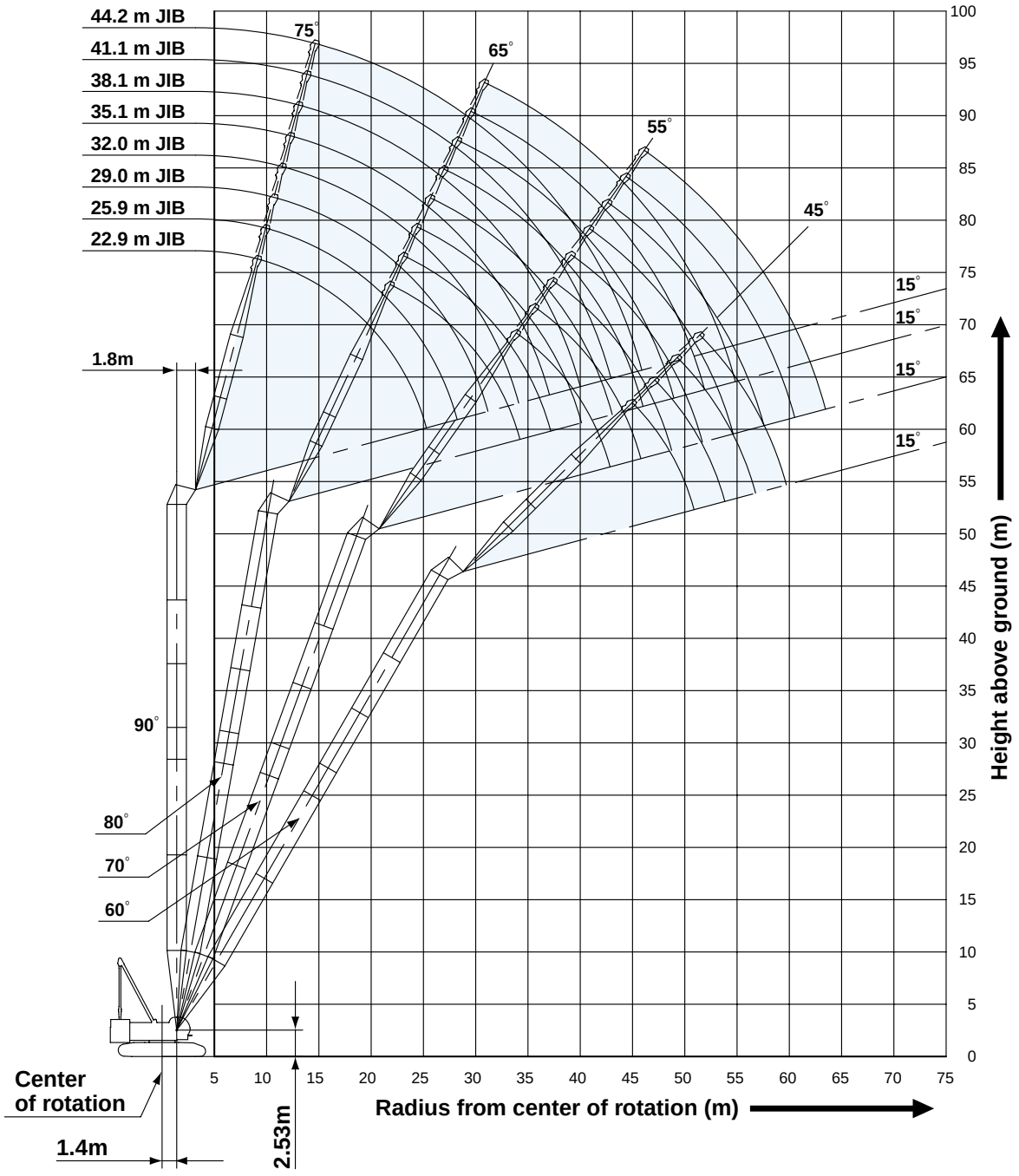
## Tower Length: 39.5m




**NOTES:**

1. Ratings according to Japanese Construction Codes for Mobile Cranes and Japanese Safety Ordinance on Cranes, etc.
2. Ratings in metric tons for 360° working area.
3. Operating radius is the horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
4. Weight of hook block(s), slings and other load handling accessories is included in rated load. Their total weight must be subtracted from rated load to obtain weight that can be lifted.
5. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions out-of-level, operating speeds or any other condition that could be detrimental to the safe operation of this equipment. Operator, therefor, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
6. Ratings are for operation on a firm and level surface.
7. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
8. Tower/tower jib inserts and guy lines must be arranged as shown in the “Operator's Manual”.
9. Tower jib hoist reeving is 8 part line.
10. Gantry must be in raised position for all conditions.

## Tower Length: 51.7m




11. Tower and tower jib backstops are required for all tower and tower jib combinations.
12. Ratings shown in [ ] are determined by the strength of the tower or other structural component.
13. When erecting and lowering the tower length of 51.7 m, the pillow plate for erection must be placed at the end of crawlers.
14. Instruction in the “Operator's Manual” must be strictly observed when operating the machine.
15. Tower jib ratings: Deduct weight of hook block, slings, and all other load handling accessories from tower jib ratings shown.

# Tower Jib Lifting Capacities

Unit: metric ton

**Counterweight: 52.3 t**

**30.4 m Tower Length**

| Tower length (m) | 30.4 | | | | | | | | Tower length (m) |
|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 22.9 | | | | 25.9 | | | | Jib length (m) |
| Tower angle | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | Tower angle |
| 9.4 | 20.0 | | | | | | | | 9.4 |
| 10.0 | 20.0 | | | | 10.2 m/20.0 | | | | 10.0 |
| 12.0 | 20.0 | | | | 20.0 | | | | 12.0 |
| 14.0 | 20.0 | | | | 20.0 | | | | 14.0 |
| 15.0 | 20.0 | | | | 20.0 | | | | 15.0 |
| 16.0 | 18.7 | | | | 18.7 | | | | 16.0 |
| 18.0 | 16.6 | 18.4 m/16.3 | | | 16.6 | 19.7 m/15.2 | | | 18.0 |
| 20.0 | 15.0 | 15.0 | | | 15.0 | 15.0 | | | 20.0 |
| 22.0 | 13.3 | 13.6 | | | 13.6 | 13.6 | | | 22.0 |
| 24.0 | 9.9 | 12.5 | | | 12.1 | 12.5 | | | 24.0 |
| 26.0 | 25.4 m/7.1 | 11.5 | 26.8 m/11.1 | | 9.5 | 11.5 | | | 26.0 |
| 28.0 | | 10.7 | 10.7 | | 6.7 | 10.7 | 28.6 m/10.4 | | 28.0 |
| 30.0 | | 10.0 | 10.0 | | 28.3 m/6.1 | 10.0 | 10.0 | | 30.0 |
| 32.0 | | 30.6 m/9.4 | 9.3 | | | 9.3 | 9.3 | | 32.0 |
| 34.0 | | | 8.8 | 34.5 m/8.5 | | 33.5 m/7.7 | 8.8 | | 34.0 |
| 36.0 | | | 35.6 m/8.4 | 7.9 | | | 8.3 | 36.7 m/7.7 | 36.0 |
| 38.0 | | | | 7.5 | | | 7.8 | 7.3 | 38.0 |
| 40.0 | | | | 7.0 | | | 38.6 m/7.7 | 6.9 | 40.0 |
| 42.0 | | | | 40.3 m/6.9 | | | | 6.4 | 42.0 |
| 44.0 | | | | | | | | 43.2 m/6.2 | 44.0 |
| Reeves | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | Reeves |

Working radius (m) / Working radius (m)

**33.4 m Tower Length**

| Tower length (m) | 33.4 | | | | | | | | | | | | Tower length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 22.9 | | | | 25.9 | | | | 29.0 | | | | Jib length (m) |
| Tower angle | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | Tower angle |
| 9.4 | 20.0 | | | | | | | | | | | | 9.4 |
| 10.0 | 20.0 | | | | 10.2 m/20.0 | | | | 11.0 m/20.0 | | | | 10.0 |
| 12.0 | 20.0 | | | | 20.0 | | | | 20.0 | | | | 12.0 |
| 14.0 | 20.0 | | | | 20.0 | | | | 20.0 | | | | 14.0 |
| 15.0 | 20.0 | | | | 20.0 | | | | 20.0 | | | | 15.0 |
| 16.0 | 18.7 | | | | 18.7 | | | | 18.7 | | | | 16.0 |
| 18.0 | 16.6 | 18.9 m/15.8 | | | 16.6 | | | | 16.6 | | | | 18.0 |
| 20.0 | 15.0 | 15.0 | | | 15.0 | 20.2 m/14.8 | | | 15.0 | 21.5 m/13.9 | | | 20.0 |
| 22.0 | 13.4 | 13.6 | | | 13.6 | 13.6 | | | 13.6 | 13.6 | | | 22.0 |
| 24.0 | 10.0 | 12.5 | | | 12.3 | 12.5 | | | 12.5 | 12.5 | | | 24.0 |
| 26.0 | 25.4 m/7.2 | 11.5 | 27.9 m/10.7 | | 9.7 | 11.5 | | | 11.2 | 11.5 | | | 26.0 |
| 28.0 | | 10.7 | 10.7 | | 6.9 | 10.7 | 29.6 m/10.1 | | 9.1 | 10.7 | | | 28.0 |
| 30.0 | | 10.0 | 10.0 | | 28.3 m/6.2 | 10.0 | 10.0 | | 7.0 | 10.0 | 31.4 m/9.5 | | 30.0 |
| 32.0 | | 31.1 m/9.5 | 9.3 | | | 9.3 | 9.3 | | 31.2 m/5.3 | 9.3 | 9.3 | | 32.0 |
| 34.0 | | | 8.8 | | | 8.6 | 8.8 | | | 8.8 | 8.8 | | 34.0 |
| 36.0 | | | 8.3 | 7.6 | | 34.1 m/8.1 | 8.3 | | | 8.3 | 8.3 | | 36.0 |
| 38.0 | | | 36.7 m/8.1 | 7.0 | | | 7.8 | 38.2 m/6.9 | | 37.0 m/7.0 | 7.8 | | 38.0 |
| 40.0 | | | | 6.6 | | | 39.6 m/7.5 | 6.4 | | | 7.4 | 40.3 m/6.3 | 40.0 |
| 42.0 | | | | 41.8 m/6.2 | | | | 6.1 | | | 6.9 | 5.8 | 42.0 |
| 44.0 | | | | | | | | 5.7 | | | 42.6 m/6.8 | 5.6 | 44.0 |
| 46.0 | | | | | | | | 44.8 m/5.6 | | | | 5.2 | 46.0 |
| 48.0 | | | | | | | | | | | | 47.7 m/5.0 | 48.0 |
| Reeves | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | Reeves |

Working radius (m) / Working radius (m)

Note:
Ratings according to Japanese Construction Codes for Mobile Cranes and Japanese Safety Ordinance on Cranes, etc.
Ratings shown in [ ] are determined by the strength of the tower or other structural components.
Refer to notes P19 and P20.

Unit: metric ton

**Counterweight: 52.3 t**

**36.5 m Tower Length**

| Tower length (m) | 36.5 | | | | | | | | | | | | | | | | Tower length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 22.9 | | | | 25.9 | | | | 29.0 | | | | 32.0 | | | | Jib length (m) |
| Working radius (m) / Tower angle | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | Tower angle |
| 9.4 | 20.0 | | | | | | | | | | | | | | | | 9.4 |
| 10.0 | 20.0 | | | | 10.2 m/20.0 | | | | 11.0 m/20.0 | | | | 11.8m/20.0 | | | | 10.0 |
| 12.0 | 20.0 | | | | 20.0 | | | | 20.0 | | | | 20.0 | | | | 12.0 |
| 14.0 | 20.0 | | | | 20.0 | | | | 20.0 | | | | 19.6 | | | | 14.0 |
| 15.0 | 20.0 | | | | 20.0 | | | | 20.0 | | | | 19.1 | | | | 15.0 |
| 16.0 | 18.7 | | | | 18.7 | | | | 18.7 | | | | 18.6 | | | | 16.0 |
| 18.0 | 16.6 | 19.4 m/15.4 | | | 16.6 | | | | 16.6 | | | | 16.6 | | | | 18.0 |
| 20.0 | 15.0 | 15.0 | | | 15.0 | 20.7 m/14.4 | | | 15.0 | | | | 15.0 | | | | 20.0 |
| 22.0 | 13.5 | 13.6 | | | 13.6 | 13.6 | | | 13.6 | 13.6 | | | 13.6 | 23.3 m/12.8 | | | 22.0 |
| 24.0 | 10.1 | 12.5 | | | 12.4 | 12.5 | | | 12.5 | 12.5 | | | 12.5 | 12.5 | | | 24.0 |
| 26.0 | 25.4 m/7.3 | 11.5 | | | 9.8 | 11.5 | | | 11.2 | 11.5 | | | 11.5 | 11.5 | | | 26.0 |
| 28.0 | | 10.7 | 28.9 m/10.3 | | 6.9 | 10.7 | | | 9.2 | 10.7 | | | 10.2 | 10.7 | | | 28.0 |
| 30.0 | | 10.0 | 10.0 | | 28.3 m/6.3 | 10.0 | 30.7 m/9.7 | | 7.1 | 10.0 | | | 8.6 | 10.0 | | | 30.0 |
| 32.0 | | 31.7 m/9.4 | 9.3 | | | 9.3 | 9.3 | | 31.2m/5.4 | 9.3 | 32.4 m/9.2 | | 6.9 | 9.3 | | | 32.0 |
| 34.0 | | | 8.8 | | | 8.8 | 8.8 | | | 8.8 | 8.7 | | 5.0 | 8.8 | 34.2 m/8.6 | | 34.0 |
| 36.0 | | | 8.3 | 37.6 m/6.8 | | 34.6 m/8.2 | 8.3 | | | 8.3 | 8.2 | | 34.2m/4.6 | 8.3 | 8.0 | | 36.0 |
| 38.0 | | | 37.7 m/7.9 | 6.6 | | | 7.8 | 39.7 m/6.2 | | 37.6 m/7.1 | 7.7 | | | 7.8 | 7.6 | | 38.0 |
| 40.0 | | | | 6.2 | | | 7.2 | 6.0 | | | 7.2 | 41.9 m/5.6 | | 7.0 | 7.1 | | 40.0 |
| 42.0 | | | | 5.8 | | | 40.7 m/7.1 | 5.7 | | | 6.7 | 5.5 | | 40.5 m/6.2 | 6.6 | | 42.0 |
| 44.0 | | | | 43.3m/5.6 | | | | 5.4 | | | 43.6m/6.3 | 5.2 | | | 6.2 | 5.0 | 44.0 |
| 46.0 | | | | | | | | 5.0 | | | | 4.9 | | | 5.9 | 4.7 | 46.0 |
| 48.0 | | | | | | | | 46.3 m/5.0 | | | | 4.6 | | | 46.5 m/5.7 | 4.6 | 48.0 |
| 50.0 | | | | | | | | | | | | 49.2 m/4.4 | | | | 4.3 | 50.0 |
| 52.0 | | | | | | | | | | | | | | | | 4.0 | 52.0 |
| 54.0 | | | | | | | | | | | | | | | | 52.2 m/3.8 | 54.0 |
| Reeves | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | Reeves |

**39.5 m Tower Length**

| Tower length (m) | 39.5 | | | | | | | | | | | | | | | | | | | | Tower length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 22.9 | | | | 25.9 | | | | 29.0 | | | | 32.0 | | | | 35.1 | | | | Jib length (m) |
| Working radius (m) / Tower angle | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | Tower angle |
| 9.4 | 20.0 | | | | | | | | | | | | | | | | | | | | 9.4 |
| 10.0 | 20.0 | | | | 10.2 m/20.0 | | | | 11.0 m/20.0 | | | | 11.8 m/20.0 | | | | | | | | 10.0 |
| 12.0 | 20.0 | | | | 20.0 | | | | 20.0 | | | | 20.0 | | | | 12.5 m/16.5 | | | | 12.0 |
| 14.0 | 20.0 | | | | 20.0 | | | | 20.0 | | | | 19.6 | | | | 16.3 | | | | 14.0 |
| 15.0 | 20.0 | | | | 20.0 | | | | 20.0 | | | | 19.1 | | | | 16.0 | | | | 15.0 |
| 16.0 | 18.7 | | | | 18.7 | | | | 18.7 | | | | 18.6 | | | | 15.7 | | | | 16.0 |
| 18.0 | 16.6 | | | | 16.6 | | | | 16.6 | | | | 16.6 | | | | 15.3 | | | | 18.0 |
| 20.0 | 15.0 | 15.0 | | | 15.0 | 21.2 m/14.1 | | | 15.0 | | | | 15.0 | | | | 14.9 | | | | 20.0 |
| 22.0 | 13.6 | 13.6 | | | 13.6 | 13.6 | | | 13.6 | 22.5 m/13.3 | | | 13.6 | 23.8 m/12.6 | | | 13.6 | | | | 22.0 |
| 24.0 | 10.2 | 12.5 | | | 12.4 | 12.5 | | | 12.5 | 12.5 | | | 12.5 | 12.5 | | | 12.5 | 25.1 m/11.9 | | | 24.0 |
| 26.0 | 25.4 m/7.4 | 11.5 | | | 9.8 | 11.5 | | | 11.3 | 11.5 | | | 11.5 | 11.5 | | | 11.5 | 11.5 | | | 26.0 |
| 28.0 | | 10.7 | | | 7.0 | 10.7 | | | 9.3 | 10.7 | | | 10.2 | 10.7 | | | 10.7 | 10.7 | | | 28.0 |
| 30.0 | | 10.0 | 10.0 | | 28.3 m/6.3 | 10.0 | 31.7 m/9.4 | | 7.2 | 10.0 | | | 8.6 | 10.0 | | | 9.4 | 10.0 | | | 30.0 |
| 32.0 | | 9.3 | 9.3 | | | 9.3 | 9.2 | | 31.2 m/5.4 | 9.3 | 33.5 m/8.6 | | 6.9 | 9.3 | | | 8.0 | 9.3 | | | 32.0 |
| 34.0 | | 32.2 m/9.3 | 8.7 | | | 8.8 | 8.6 | | | 8.8 | 8.4 | | 5.0 | 8.8 | 35.2 m/8.0 | | 6.7 | 8.8 | | | 34.0 |
| 36.0 | | | 8.1 | | | 35.1 m/8.2 | 8.0 | | | 8.3 | 7.9 | | 34.2 m/4.7 | 8.3 | 7.7 | | 5.2 | 8.3 | 36.9m/7.4 | | 36.0 |
| 38.0 | | | 7.5 | 39.1 m/6.0 | | | 7.5 | | | 7.5 | 7.3 | | | 7.8 | 7.2 | | 37.1 m/4.1 | 7.8 | 7.0 | | 38.0 |
| 40.0 | | | 38.8 m/7.3 | 5.7 | | | 7.0 | 41.2 m/5.3 | | 38.1 m/7.1 | 6.9 | | | 7.4 | 6.8 | | | 7.5 | 6.7 | | 40.0 |
| 42.0 | | | | 5.4 | | | 41.7m/6.5 | 5.2 | | | 6.4 | 43.4 m/4.7 | | 41.0 m/6.2 | 6.3 | | | 7.1 | 6.3 | | 42.0 |
| 44.0 | | | | 5.1 | | | | 5.0 | | | 6.0 | 4.7 | | | 6.0 | 45.5m/4.3 | | 5.4 | 5.9 | | 44.0 |
| 46.0 | | | | 44.9 m/4.8 | | | | 4.7 | | | 44.6 m/5.9 | 4.5 | | | 5.6 | 4.3 | | | 5.5 | 47.7m/4.0 | 46.0 |
| 48.0 | | | | | | | | 47.8 m/4.4 | | | | 4.3 | | | 47.6 m/5.3 | 4.2 | | | 5.2 | 4.0 | 48.0 |
| 50.0 | | | | | | | | | | | | 4.0 | | | | 3.9 | | | 4.9 | 3.8 | 50.0 |
| 52.0 | | | | | | | | | | | | 50.8m/3.9 | | | | 3.7 | | | 50.5 m/4.8 | 3.6 | 52.0 |
| 54.0 | | | | | | | | | | | | | | | | 53.7 m/3.5 | | | | 3.4 | 54.0 |
| 56.0 | | | | | | | | | | | | | | | | | | | | 3.2 | 56.0 |
| 58.0 | | | | | | | | | | | | | | | | | | | | 56.6 m/3.1 | 58.0 |
| Reeves | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | Reeves |

Note:
Ratings according to Japanese Construction Codes for Mobile Cranes and Japanese Safety Ordinance on Cranes, etc.
Ratings shown in [ ] are determined by the strength of the tower or other structural components.
Refer to notes P19 and P20.

Unit: metric ton

**Counterweight: 52.3 t**

**42.5 m Tower Length**

| Tower length (m) | 42.5 | | | | | | | | | | | | Tower length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 22.9 | | | | 25.9 | | | | 29.0 | | | | Jib length (m) |
| Tower angle | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | Tower angle |
| 9.4 | 20.0 | | | | | | | | | | | | 9.4 |
| 10.0 | 20.0 | | | | 10.2 m/20.0 | | | | 11.0 m/20.0 | | | | 10.0 |
| 12.0 | 20.0 | | | | 20.0 | | | | 20.0 | | | | 12.0 |
| 14.0 | 20.0 | | | | 20.0 | | | | 20.0 | | | | 14.0 |
| 15.0 | 20.0 | | | | 20.0 | | | | 20.0 | | | | 15.0 |
| 16.0 | 18.7 | | | | 18.7 | | | | 18.7 | | | | 16.0 |
| 18.0 | 16.6 | | | | 16.6 | | | | 16.6 | | | | 18.0 |
| 20.0 | 15.0 | 20.5 m/14.6 | | | 15.0 | 21.8 m/13.7 | | | 15.0 | | | | 20.0 |
| 22.0 | 13.6 | 13.6 | | | 13.6 | 13.6 | | | 13.6 | 23.1 m/12.9 | | | 22.0 |
| 24.0 | 10.3 | 12.5 | | | 12.5 | 12.5 | | | 12.5 | 12.5 | | | 24.0 |
| 26.0 | 25.4 m/7.5 | 11.5 | | | 9.9 | 11.5 | | | 11.3 | 11.5 | | | 26.0 |
| 28.0 | | 10.7 | | | 7.1 | 10.7 | | | 9.3 | 10.7 | | | 28.0 |
| 30.0 | | 10.0 | 31.0 m/9.5 | | 28.3 m/6.4 | 10.0 | | | 7.2 | 10.0 | | | 30.0 |
| 32.0 | | 9.3 | 9.0 | | | 9.3 | 32.7 m/8.7 | | 31.2 m/5.5 | 9.3 | | | 32.0 |
| 34.0 | | 32.7 m/9.1 | 8.4 | | | 8.8 | 8.2 | | | 8.8 | 34.5 m/8.0 | | 34.0 |
| 36.0 | | | 7.8 | | | 35.7 m/8.2 | 7.7 | | | 8.3 | 7.5 | | 36.0 |
| 38.0 | | | 7.3 | | | | 7.2 | | | 7.8 | 7.1 | | 38.0 |
| 40.0 | | | 39.8 m/6.8 | 40.6 m/5.2 | | | 6.7 | | | 38.6 m/7.1 | 6.6 | | 40.0 |
| 42.0 | | | | 5.0 | | | 6.3 | 42.8 m/4.6 | | | 6.2 | | 42.0 |
| 44.0 | | | | 4.7 | | | 42.7 m/6.1 | 4.5 | | | 5.8 | 44.9 m/4.2 | 44.0 |
| 46.0 | | | | 4.4 | | | | 4.3 | | | 45.7 m/5.4 | 4.1 | 46.0 |
| 48.0 | | | | 46.4 m/4.3 | | | | 4.1 | | | | 3.9 | 48.0 |
| 50.0 | | | | | | | | 49.3 m/3.9 | | | | 3.7 | 50.0 |
| 52.0 | | | | | | | | | | | | 3.5 | 52.0 |
| 54.0 | | | | | | | | | | | | 52.3 m/3.4 | 54.0 |
| Reeves | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | Reeves |

Working radius (m) — Working radius (m)

| Tower length (m) | 42.5 | | | | | | | | | | | | Tower length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 32.0 | | | | 35.1 | | | | 38.1 | | | | Jib length (m) |
| Tower angle | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | Tower angle |
| 10.0 | 11.8 m/20.0 | | | | | | | | | | | | 10.0 |
| 12.0 | 20.0 | | | | 12.5 m/16.5 | | | | 13.3 m/13.6 | | | | 12.0 |
| 14.0 | 19.5 | | | | 16.2 | | | | 13.6 | | | | 14.0 |
| 15.0 | 19.0 | | | | 16.0 | | | | 13.4 | | | | 15.0 |
| 16.0 | 18.5 | | | | 15.7 | | | | 13.1 | | | | 16.0 |
| 18.0 | 16.6 | | | | 15.3 | | | | 12.7 | | | | 18.0 |
| 20.0 | 15.0 | | | | 14.8 | | | | 12.3 | | | | 20.0 |
| 22.0 | 13.6 | | | | 13.6 | | | | 11.9 | | | | 22.0 |
| 24.0 | 12.5 | 24.4 m/12.2 | | | 12.5 | 25.6 m/11.7 | | | 11.6 | | | | 24.0 |
| 26.0 | 11.5 | 11.5 | | | 11.5 | 11.5 | | | 11.2 | 26.9 m/11.1 | | | 26.0 |
| 28.0 | 10.3 | 10.7 | | | 10.7 | 10.7 | | | 10.5 | 10.7 | | | 28.0 |
| 30.0 | 8.7 | 10.0 | | | 9.4 | 10.0 | | | 9.6 | 10.0 | | | 30.0 |
| 32.0 | 7.0 | 9.3 | | | 8.0 | 9.3 | | | 8.5 | 9.3 | | | 32.0 |
| 34.0 | 5.1 | 8.8 | | | 6.7 | 8.8 | | | 7.4 | 8.8 | | | 34.0 |
| 36.0 | 34.2 m/4.7 | 8.3 | 36.2 m/7.4 | | 5.3 | 8.3 | | | 6.3 | 8.3 | | | 36.0 |
| 38.0 | | 7.8 | 6.8 | | 37.1 m/4.1 | 7.8 | 6.8 | | 5.1 | 7.8 | 39.7 m/6.3 | | 38.0 |
| 40.0 | | 7.5 | 6.5 | | | 7.5 | 6.4 | | 3.7 | 7.5 | 6.1 | | 40.0 |
| 42.0 | | 41.5 m/6.2 | 6.1 | | | 7.1 | 6.0 | | 40.1 m/3.5 | 7.1 | 5.9 | | 42.0 |
| 44.0 | | | 5.7 | | | 6.1 | 5.6 | | | 6.7 | 5.5 | | 44.0 |
| 46.0 | | | 5.4 | 47.1 m/3.8 | | 44.5 m/5.4 | 5.3 | | | 5.9 | 5.2 | | 46.0 |
| 48.0 | | | 5.0 | 3.7 | | | 5.0 | 49.2m/3.4 | | 47.4 m/4.7 | 4.9 | | 48.0 |
| 50.0 | | | 48.6 m/4.9 | 3.6 | | | 4.7 | 3.4 | | | 4.6 | 51.4 m/3.2 | 50.0 |
| 52.0 | | | | 3.4 | | | 51.6 m/4.4 | 3.3 | | | 4.3 | 3.1 | 52.0 |
| 54.0 | | | | 3.2 | | | | 3.1 | | | 4.1 | 3.0 | 54.0 |
| 56.0 | | | | 55.2 m/3.0 | | | | 2.9 | | | 54.5 m/3.8 | 2.8 | 56.0 |
| 58.0 | | | | | | | | 2.8 | | | | 2.6 | 58.0 |
| 60.0 | | | | | | | | 58.2 m/2.7 | | | | 2.5 | 60.0 |
| 62.0 | | | | | | | | | | | | 61.1 m/2.4 | 62.0 |
| Reeves | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | Reeves |

Working radius (m) — Working radius (m)

Note:
Ratings according to Japanese Construction Codes for Mobile Cranes and Japanese Safety Ordinance on Cranes, etc.
Ratings shown in [ ] are determined by the strength of the tower or other structural components.
Refer to notes P19 and P20.

Unit: metric ton

**Counterweight: 52.3 t**

45.6 m Tower Length

| Tower length (m) | 45.6 | | | | | | | | | | | | | | | | Tower length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 22.9 | | | | 25.9 | | | | 29.0 | | | | 32.0 | | | | Jib length (m) |
| Tower angle | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | Tower angle |
| 9.4 | 20.0 | | | | | | | | | | | | | | | | 9.4 |
| 10.0 | 20.0 | | | | 10.2 m/20.0 | | | | 11.0 m/20.0 | | | | 11.8m/20.0 | | | | 10.0 |
| 12.0 | 20.0 | | | | 20.0 | | | | 20.0 | | | | 20.0 | | | | 12.0 |
| 14.0 | 20.0 | | | | 20.0 | | | | 20.0 | | | | 19.5 | | | | 14.0 |
| 15.0 | 20.0 | | | | 20.0 | | | | 20.0 | | | | 19.0 | | | | 15.0 |
| 16.0 | 18.7 | | | | 18.7 | | | | 18.7 | | | | 18.5 | | | | 16.0 |
| 18.0 | 16.6 | | | | 16.6 | | | | 16.6 | | | | 16.6 | | | | 18.0 |
| 20.0 | 15.0 | 21.0 m/14.2 | | | 15.0 | | | | 15.0 | | | | 15.0 | | | | 20.0 |
| 22.0 | 13.6 | 13.6 | | | 13.6 | 22.3 m/13.4 | | | 13.6 | 23.6 m/12.7 | | | 13.6 | | | | 22.0 |
| 24.0 | 10.3 | 12.5 | | | 12.5 | 12.5 | | | 12.5 | 12.5 | | | 12.5 | 24.9 m/12.0 | | | 24.0 |
| 26.0 | 25.4 m/7.5 | 11.5 | | | 9.9 | 11.5 | | | 11.3 | 11.5 | | | 11.5 | 11.5 | | | 26.0 |
| 28.0 | | 10.7 | | | 7.1 | 10.7 | | | 9.3 | 10.7 | | | 10.3 | 10.7 | | | 28.0 |
| 30.0 | | 10.0 | | | 28.3 m/6.4 | 10.0 | | | 7.2 | 10.0 | | | 8.7 | 10.0 | | | 30.0 |
| 32.0 | | 9.3 | 8.7 | | | 9.3 | 33.8 m/8.0 | | 31.2 m/5.5 | 9.3 | | | 7.0 | 9.3 | | | 32.0 |
| 34.0 | | 33.2 m/9.0 | 8.0 | | | 8.8 | 7.8 | | | 8.8 | 35.5m/7.4 | | 5.2 | 8.8 | | | 34.0 |
| 36.0 | | | 7.5 | | | 8.3 | 7.4 | | | 8.3 | 7.1 | | 34.2m/4.8 | 8.3 | 37.3 m/6.8 | | 36.0 |
| 38.0 | | | 7.0 | | | 36.2 m/8.2 | 6.9 | | | 7.8 | 6.8 | | | 7.8 | 6.5 | | 38.0 |
| 40.0 | | | 6.5 | | | | 6.4 | | | 39.1 m/7.1 | 6.3 | | | 7.5 | 6.2 | | 40.0 |
| 42.0 | | | 40.8 m/6.3 | 42.1 m/4.4 | | | 6.0 | | | | 5.9 | | | 6.5 | 5.8 | | 42.0 |
| 44.0 | | | | 4.3 | | | 43.8 m/5.6 | 44.3 m/4.0 | | | 5.5 | | | 42.1 m/6.2 | 5.5 | | 44.0 |
| 46.0 | | | | 4.1 | | | | 3.9 | | | 5.2 | 46.4 m/3.6 | | | 5.1 | | 46.0 |
| 48.0 | | | | 47.9 m/3.9 | | | | 3.7 | | | 46.7 m/5.0 | 3.5 | | | 4.8 | 48.6 m/3.3 | 48.0 |
| 50.0 | | | | | | | | 3.5 | | | | 3.4 | | | 49.7 m/4.4 | 3.2 | 50.0 |
| 52.0 | | | | | | | | 50.9 m/3.4 | | | | 3.2 | | | | 3.1 | 52.0 |
| 54.0 | | | | | | | | | | | | 53.8 m/3.0 | | | | 2.9 | 54.0 |
| 56.0 | | | | | | | | | | | | | | | | 2.7 | 56.0 |
| 58.0 | | | | | | | | | | | | | | | | 56.7 m/2.6 | 58.0 |
| Reeves | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | Reeves |

Working radius (m) — Working radius (m)

| Tower length (m) | 45.6 | | | | | | | | | | | Tower length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 35.1 | | | | 38.1 | | | | 41.1 | | | Jib length (m) |
| Tower angle | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | 90° | 80° | 70° | Tower angle |
| 12.0 | 12.5 m/16.5 | | | | 13.3 m/13.6 | | | | | | | 12.0 |
| 14.0 | 16.2 | | | | 13.6 | | | | 14.1 m/10.7 | | | 14.0 |
| 15.0 | 16.0 | | | | 13.3 | | | | 10.7 | | | 15.0 |
| 16.0 | 15.7 | | | | 13.1 | | | | 10.5 | | | 16.0 |
| 18.0 | 15.2 | | | | 12.7 | | | | 10.2 | | | 18.0 |
| 20.0 | 14.8 | | | | 12.3 | | | | 9.8 | | | 20.0 |
| 22.0 | 13.6 | | | | 11.9 | | | | 9.5 | | | 22.0 |
| 24.0 | 12.5 | | | | 11.6 | | | | 9.2 | | | 24.0 |
| 26.0 | 11.5 | 26.2 m/11.4 | | | 11.1 | 27.5 m/10.9 | | | 8.9 | | | 26.0 |
| 28.0 | 10.7 | 10.7 | | | 10.5 | 10.7 | | | 8.6 | 28.7 m/9.8 | | 28.0 |
| 30.0 | 9.4 | 10.0 | | | 9.6 | 10.0 | | | 8.3 | 9.6 | | 30.0 |
| 32.0 | 8.1 | 9.3 | | | 8.5 | 9.3 | | | 7.8 | 9.3 | | 32.0 |
| 34.0 | 6.7 | 8.8 | | | 7.4 | 8.8 | | | 7.3 | 8.8 | | 34.0 |
| 36.0 | 5.3 | 8.3 | | | 6.3 | 8.3 | | | 6.8 | 8.3 | | 36.0 |
| 38.0 | 37.1 m/4.1 | 7.8 | 39.0 m/6.3 | | 5.1 | 7.8 | | | 6.2 | 7.8 | | 38.0 |
| 40.0 | | 7.5 | 6.0 | | 3.8 | 7.5 | 40.8 m/5.7 | | 5.2 | 7.5 | | 40.0 |
| 42.0 | | 7.1 | 5.7 | | 40.1 m/3.5 | 7.1 | 5.4 | | 4.1 | 7.1 | 42.5 m/5.4 | 42.0 |
| 44.0 | | 6.8 | 5.4 | | | 6.7 | 5.2 | | 43.0 m/3.2 | 6.6 | 5.0 | 44.0 |
| 46.0 | | 45.0 m/5.4 | 5.1 | | | 6.2 | 4.9 | | | 6.2 | 4.8 | 46.0 |
| 48.0 | | | 4.8 | | | 4.7 | 4.6 | | | 5.8 | 4.5 | 48.0 |
| 50.0 | | | 4.5 | 50.7 m/3.0 | | | 4.4 | | | 5.2 | 4.3 | 50.0 |
| 52.0 | | | 4.2 | 2.9 | | | 4.1 | 52.9 m/2.7 | | 50.9 m/4.3 | 4.0 | 52.0 |
| 54.0 | | | 52.6 m/3.9 | 2.8 | | | 3.9 | 2.6 | | | 3.8 | 54.0 |
| 56.0 | | | | 2.7 | | | 55.6 m/3.4 | 2.5 | | | 3.5 | 56.0 |
| 58.0 | | | | 2.5 | | | | 2.4 | | | 3.3 | 58.0 |
| 60.0 | | | | 59.7 m/2.3 | | | | 2.2 | | | 58.5 m/3.1 | 60.0 |
| 62.0 | | | | | | | | 2.1 | | | | 62.0 |
| 64.0 | | | | | | | | 62.6 m/2.0 | | | | 64.0 |
| Reeves | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | Reeves |

Working radius (m) — Working radius (m)

Note:
Ratings according to Japanese Construction Codes for Mobile Cranes and Japanese Safety Ordinance on Cranes, etc.
Ratings shown in [ ] are determined by the strength of the tower or other structural components.
Refer to notes P19 and P20.

Unit: metric ton

**Counterweight: 52.3 t**

**48.6 m Tower Length**

| Tower length (m) | 48.6 | | | | | | | | | | | | | | | | Tower length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 22.9 | | | | 25.9 | | | | 29.0 | | | | 32.0 | | | | Jib length (m) |
| Working radius (m) / Tower angle | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | Tower angle |
| 9.4 | 20.0 | | | | | | | | | | | | | | | | 9.4 |
| 10.0 | 20.0 | | | | 10.2 m/20.0 | | | | 11.0 m/20.0 | | | | 11.8m/19.9 | | | | 10.0 |
| 12.0 | 20.0 | | | | 20.0 | | | | 20.0 | | | | 19.9 | | | | 12.0 |
| 14.0 | 20.0 | | | | 20.0 | | | | 19.5 | | | | 18.6 | | | | 14.0 |
| 15.0 | 20.0 | | | | 19.8 | | | | 18.9 | | | | 18.0 | | | | 15.0 |
| 16.0 | 18.7 | | | | 18.7 | | | | 18.3 | | | | 17.5 | | | | 16.0 |
| 18.0 | 16.6 | | | | 16.6 | | | | 16.6 | | | | 16.5 | | | | 18.0 |
| 20.0 | 15.0 | 21.5 m/13.9 | | | 15.0 | | | | 15.0 | | | | 15.0 | | | | 20.0 |
| 22.0 | 13.6 | 13.6 | | | 13.6 | 22.8 m/13.1 | | | 13.6 | | | | 13.6 | | | | 22.0 |
| 24.0 | 10.4 | 12.5 | | | 12.5 | 12.5 | | | 12.5 | 24.1 m/12.4 | | | 12.5 | 25.4m/11.8 | | | 24.0 |
| 26.0 | 25.4 m/7.5 | 11.5 | | | 10.0 | 11.5 | | | 11.4 | 11.5 | | | 11.5 | 11.5 | | | 26.0 |
| 28.0 | | 10.7 | | | 7.1 | 10.7 | | | 9.4 | 10.7 | | | 10.3 | 10.7 | | | 28.0 |
| 30.0 | | 10.0 | | | 28.3 m/6.4 | 10.0 | | | 7.3 | 10.0 | | | 8.7 | 10.0 | | | 30.0 |
| 32.0 | | 9.3 | 33.1 m/8.0 | | | 9.3 | | | 31.2 m/5.5 | 9.3 | | | 7.1 | 9.3 | | | 32.0 |
| 34.0 | | 33.8 m/8.8 | 7.6 | | | 8.8 | 34.8 m/7.4 | | | 8.8 | | | 5.2 | 8.8 | | | 34.0 |
| 36.0 | | | 7.2 | | | 8.3 | 6.9 | | | 8.3 | 36.6 m/6.8 | | 34.2m/4.8 | 8.3 | | | 36.0 |
| 38.0 | | | 6.7 | | | 36.7 m/8.1 | 6.6 | | | 7.8 | 6.3 | | | 7.8 | 38.3 m/6.2 | | 38.0 |
| 40.0 | | | 6.3 | | | | 6.2 | | | 39.7 m/7.1 | 6.0 | | | 7.3 | 5.8 | | 40.0 |
| 42.0 | | | 41.9 m/5.8 | 43.7 m/3.8 | | | 5.8 | | | | 5.6 | | | 6.7 | 5.5 | | 42.0 |
| 44.0 | | | | 3.8 | | | 5.4 | 45.8 m/3.4 | | | 5.3 | | | 42.6 m/6.2 | 5.2 | | 44.0 |
| 46.0 | | | | 3.7 | | | 44.8 m/5.2 | 3.4 | | | 5.0 | | | | 4.9 | | 46.0 |
| 48.0 | | | | 3.4 | | | | 3.3 | | | 47.8 m/4.5 | 3.1 | | | 4.6 | | 48.0 |
| 50.0 | | | | 49.4 m/3.1 | | | | 3.1 | | | | 3.0 | | | 4.3 | 50.1 m/2.7 | 50.0 |
| 52.0 | | | | | | | | 2.9 | | | | 2.8 | | | 50.7 m/4.0 | 2.6 | 52.0 |
| 54.0 | | | | | | | | 52.4 m/2.8 | | | | 2.6 | | | | 2.5 | 54.0 |
| 56.0 | | | | | | | | | | | | 55.3 m/2.4 | | | | 2.4 | 56.0 |
| 58.0 | | | | | | | | | | | | | | | | 2.2 | 58.0 |
| 60.0 | | | | | | | | | | | | | | | | 58.3 m/2.1 | 60.0 |
| Reeves | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | Reeves |

Working radius (m)

| Tower length (m) | 48.6 | | | | | | | | | | | | | Tower length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 35.1 | | | | 38.1 | | | 41.1 | | | 44.2 | | | Jib length (m) |
| Working radius (m) / Tower angle | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 90° | 80° | 70° | 90° | 80° | 70° | Tower angle |
| 12.0 | 12.5 m/16.5 | | | | 13.3 m/13.6 | | | | | | | | | 12.0 |
| 14.0 | 16.2 | | | | 13.6 | | | 14.1 m/10.7 | | | 14.9 m/9.1 | | | 14.0 |
| 15.0 | 15.9 | | | | 13.3 | | | 10.7 | | | 9.1 | | | 15.0 |
| 16.0 | 15.7 | | | | 13.1 | | | 10.5 | | | 8.9 | | | 16.0 |
| 18.0 | 15.2 | | | | 12.7 | | | 10.1 | | | 8.6 | | | 18.0 |
| 20.0 | 14.8 | | | | 12.3 | | | 9.8 | | | 8.3 | | | 20.0 |
| 22.0 | 13.6 | | | | 11.9 | | | 9.5 | | | 8.0 | | | 22.0 |
| 24.0 | 12.5 | | | | 11.5 | | | 9.2 | | | 7.7 | | | 24.0 |
| 26.0 | 11.5 | 26.7 m/11.2 | | | 11.1 | | | 8.9 | | | 7.4 | | | 26.0 |
| 28.0 | 10.7 | 10.7 | | | 10.5 | 10.7 | | 8.6 | 29.3 m/9.8 | | 7.2 | | | 28.0 |
| 30.0 | 9.4 | 10.0 | | | 9.6 | 10.0 | | 8.3 | 9.6 | | 6.9 | 30.6 m/8.0 | | 30.0 |
| 32.0 | 8.1 | 9.3 | | | 8.5 | 9.3 | | 7.8 | 9.2 | | 6.7 | 7.8 | | 32.0 |
| 34.0 | 6.7 | 8.8 | | | 7.4 | 8.8 | | 7.3 | 8.8 | | 6.4 | 7.6 | | 34.0 |
| 36.0 | 5.3 | 8.3 | | | 6.3 | 8.3 | | 6.8 | 8.3 | | 6.0 | 7.3 | | 36.0 |
| 38.0 | 37.1 m/4.1 | 7.8 | | | 5.1 | 7.8 | | 6.2 | 7.8 | | 5.6 | 7.1 | | 38.0 |
| 40.0 | | 7.5 | 40.1 m/5.7 | | 3.8 | 7.5 | 41.8 m/5.2 | 5.2 | 7.3 | | 5.2 | 6.9 | | 40.0 |
| 42.0 | | 7.1 | 5.3 | | 40.1 m/3.5 | 6.9 | 5.2 | 4.1 | 6.8 | 43.6 m/4.8 | 4.8 | 6.7 | | 42.0 |
| 44.0 | | 6.5 | 5.1 | | | 6.5 | 5.0 | 43.0 m/3.2 | 6.4 | 4.7 | 4.0 | 6.2 | 45.3 m/4.4 | 44.0 |
| 46.0 | | 45.6 m/5.4 | 4.8 | | | 6.0 | 4.7 | | 5.9 | 4.6 | 2.8 | 5.8 | 4.3 | 46.0 |
| 48.0 | | | 4.5 | | | 5.5 | 4.4 | | 5.5 | 4.3 | | 5.5 | 4.1 | 48.0 |
| 50.0 | | | 4.2 | | | 48.5 m/4.7 | 4.1 | | 5.1 | 4.0 | | 5.1 | 3.9 | 50.0 |
| 52.0 | | | 4.0 | 52.3 m/2.4 | | | 3.8 | | 51.4 m/4.3 | 3.7 | | 4.7 | 3.6 | 52.0 |
| 54.0 | | | 53.7 m/3.5 | 2.3 | | | 3.6 | | | 3.5 | | 4.3 | 3.4 | 54.0 |
| 56.0 | | | | 2.2 | | | 3.4 | | | 3.3 | | 54.4 m/3.8 | 3.1 | 56.0 |
| 58.0 | | | | 2.1 | | | 56.6 m/3.3 | | | 3.0 | | | 2.9 | 58.0 |
| 60.0 | | | | 2.0 | | | | | | 59.6 m/2.8 | | | 2.7 | 60.0 |
| 62.0 | | | | | | | | | | | | | 2.5 | 62.0 |
| 64.0 | | | | | | | | | | | | | 62.5 m/2.4 | 64.0 |
| Reeves | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | Reeves |

Working radius (m)

Note:
Ratings according to Japanese Construction Codes for Mobile Cranes and Japanese Safety Ordinance on Cranes, etc.
Ratings shown in ☐ are determined by the strength of the tower or other structural components.
Refer to notes P19 and P20.

Unit: metric ton

**Counterweight: 52.3 t**

51.7 m Tower Length

| Tower length (m) | 51.7 | | | | | | | | | | | | | | | | Tower length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 22.9 | | | | 25.9 | | | | 29.0 | | | | 32.0 | | | | Jib length (m) |
| Tower angle | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | 90° | 80° | 70° | 60° | Tower angle |
| 9.4 | 20.0 | | | | | | | | | | | | | | | | 9.4 |
| 10.0 | 20.0 | | | | 10.2 m/20.0 | | | | 11.0 m/20.0 | | | | 11.8m/18.6 | | | | 10.0 |
| 12.0 | 20.0 | | | | 20.0 | | | | 19.4 | | | | 18.6 | | | | 12.0 |
| 14.0 | 20.0 | | | | 19.2 | | | | 18.2 | | | | 17.4 | | | | 14.0 |
| 15.0 | 20.0 | | | | 18.6 | | | | 17.7 | | | | 16.8 | | | | 15.0 |
| 16.0 | 18.7 | | | | 18.1 | | | | 17.2 | | | | 16.4 | | | | 16.0 |
| 18.0 | 16.6 | | | | 16.6 | | | | 16.3 | | | | 15.5 | | | | 18.0 |
| 20.0 | 15.0 | | | | 15.0 | | | | 15.0 | | | | 14.7 | | | | 20.0 |
| 22.0 | 13.6 | 22.1 m/13.5 | | | 13.6 | 23.4 m/12.8 | | | 13.6 | | | | 13.6 | | | | 22.0 |
| 24.0 | 10.4 | 12.5 | | | 12.5 | 12.5 | | | 12.5 | 24.7 m/12.1 | | | 12.5 | 25.9 m/11.5 | | | 24.0 |
| 26.0 | 25.4 m/7.6 | 11.5 | | | 10.0 | 11.5 | | | 11.4 | 11.5 | | | 11.5 | 11.5 | | | 26.0 |
| 28.0 | | 10.7 | | | 7.2 | 10.7 | | | 9.4 | 10.7 | | | 10.3 | 10.7 | | | 28.0 |
| 30.0 | | 10.0 | | | 28.3 m/6.5 | 10.0 | | | 7.3 | 10.0 | | | 8.7 | 10.0 | | | 30.0 |
| 32.0 | | 9.3 | | | | 9.3 | | | 31.2 m/5.5 | 9.3 | | | 7.1 | 9.3 | | | 32.0 |
| 34.0 | | 8.8 | 34.1 m/7.3 | | | 8.8 | 35.9 m/6.6 | | | 8.8 | | | 5.2 | 8.8 | | | 34.0 |
| 36.0 | | 34.3 m/8.7 | 6.7 | | | 8.3 | 6.5 | | | 8.3 | 37.6 m/6.0 | | 34.2m/4.8 | 8.3 | | | 36.0 |
| 38.0 | | | 6.3 | | | 37.3 m/8.2 | 6.2 | | | 7.6 | 5.9 | | | 7.8 | 39.4 m/5.4 | | 38.0 |
| 40.0 | | | 5.9 | | | | 5.8 | | | 6.9 | 5.7 | | | 7.4 | 5.4 | | 40.0 |
| 42.0 | | | 5.5 | | | | 5.4 | | | 40.2 m/6.8 | 5.3 | | | 6.8 | 5.2 | | 42.0 |
| 44.0 | | | 42.9 m/5.2 | 45.2 m/3.3 | | | 5.1 | | | | 5.0 | | | 43.1 m/6.2 | 4.9 | | 44.0 |
| 46.0 | | | | 3.2 | | | 45.9 m/4.8 | 47.3 m/3.0 | | | 4.7 | | | | 4.6 | | 46.0 |
| 48.0 | | | | 3.1 | | | | 2.9 | | | 4.4 | 49.5 m/2.6 | | | 4.3 | | 48.0 |
| 50.0 | | | | 2.9 | | | | 2.8 | | | 48.8 m/4.2 | 2.6 | | | 4.0 | 51.6 m/2.2 | 50.0 |
| 52.0 | | | | 51.0 m/2.8 | | | | 2.6 | | | | 2.5 | | | 51.8 m/3.7 | 2.2 | 52.0 |
| 54.0 | | | | | | | | 53.9 m/2.4 | | | | 2.3 | | | | 2.1 | 54.0 |
| 56.0 | | | | | | | | | | | | 2.1 | | | | 2.0 | 56.0 |
| 58.0 | | | | | | | | | | | | 56.8 m/2.0 | | | | | 58.0 |
| Reeves | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | Reeves |

Working radius (m) — Working radius (m)

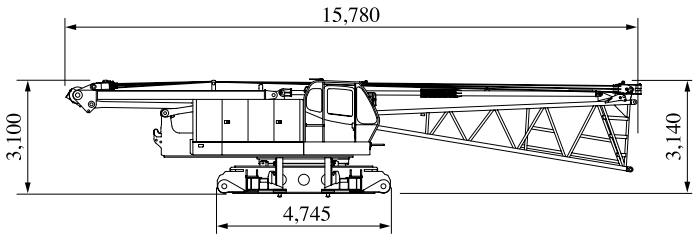
| Tower length (m) | 51.7 | | | | | | | | | | | | Tower length (m) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jib length (m) | 35.1 | | | 38.1 | | | 41.1 | | | 44.2 | | | Jib length (m) |
| Tower angle | 90° | 80° | 70° | 90° | 80° | 70° | 90° | 80° | 70° | 90° | 80° | 70° | Tower angle |
| 12.0 | 12.5 m/16.5 | | | 13.3 m/13.6 | | | | | | | | | 12.0 |
| 14.0 | 16.2 | | | 13.6 | | | 14.1 m/10.7 | | | 14.9 m/9.1 | | | 14.0 |
| 15.0 | 15.9 | | | 13.3 | | | 10.7 | | | 9.1 | | | 15.0 |
| 16.0 | 15.6 | | | 13.1 | | | 10.5 | | | 8.9 | | | 16.0 |
| 18.0 | 14.7 | | | 12.6 | | | 10.1 | | | 8.6 | | | 18.0 |
| 20.0 | 14.0 | | | 12.2 | | | 9.8 | | | 8.3 | | | 20.0 |
| 22.0 | 13.4 | | | 11.9 | | | 9.5 | | | 8.0 | | | 22.0 |
| 24.0 | 12.5 | | | 11.5 | | | 9.1 | | | 7.7 | | | 24.0 |
| 26.0 | 11.5 | 27.2 m/10.7 | | 11.1 | | | 8.9 | | | 7.4 | | | 26.0 |
| 28.0 | 10.7 | 10.3 | | 10.4 | 28.5 m/10.0 | | 8.6 | 29.8 m/8.5 | | 7.1 | | | 28.0 |
| 30.0 | 9.4 | 9.9 | | 9.6 | 9.1 | | 8.3 | 8.5 | | 6.9 | 31.1 m/8.0 | | 30.0 |
| 32.0 | 8.1 | 9.3 | | 8.5 | 8.8 | | 7.8 | 8.2 | | 6.7 | 7.6 | | 32.0 |
| 34.0 | 6.8 | 8.8 | | 7.4 | 8.5 | | 7.3 | 7.9 | | 6.4 | 7.3 | | 34.0 |
| 36.0 | 5.3 | 8.3 | | 6.3 | 8.2 | | 6.8 | 7.6 | | 6.0 | 7.1 | | 36.0 |
| 38.0 | 37.1 m/4.2 | 7.8 | | 5.2 | 7.7 | | 6.3 | 7.4 | | 5.6 | 6.8 | | 38.0 |
| 40.0 | | 7.3 | 41.1 m/4.9 | 3.8 | 7.1 | | 5.2 | 7.0 | | 5.2 | 6.6 | | 40.0 |
| 42.0 | | 6.8 | 4.9 | 40.1 m/3.5 | 6.6 | 42.9 m/4.4 | 4.1 | 6.5 | | 4.8 | 6.4 | | 42.0 |
| 44.0 | | 6.3 | 4.8 | | 6.2 | 4.4 | 43.0 m/3.2 | 6.1 | 44.6 m/4.2 | 4.0 | 5.9 | | 44.0 |
| 46.0 | | 5.7 | 4.5 | | 5.7 | 4.3 | | 5.7 | 4.0 | 2.8 | 5.5 | 46.4 m/3.8 | 46.0 |
| 48.0 | | 46.1 m/5.4 | 4.2 | | 5.3 | 4.0 | | 5.3 | 3.8 | | 5.2 | 3.6 | 48.0 |
| 50.0 | | | 3.9 | | 49.0 m/4.7 | 3.7 | | 4.9 | 3.6 | | 4.8 | 3.4 | 50.0 |
| 52.0 | | | 3.6 | | | 3.5 | | 4.3 | 3.3 | | 4.5 | 3.2 | 52.0 |
| 54.0 | | | 3.4 | | | 3.2 | | | 3.1 | | 4.2 | 3.0 | 54.0 |
| 56.0 | | | 54.7 m/3.3 | | | 3.0 | | | 2.9 | | 54.9 m/3.8 | 2.8 | 56.0 |
| 58.0 | | | | | | 57.6 m/2.8 | | | 2.7 | | | 2.6 | 58.0 |
| 60.0 | | | | | | | | | 2.5 | | | 2.4 | 60.0 |
| 62.0 | | | | | | | | | 60.6 m/2.4 | | | 2.2 | 62.0 |
| 64.0 | | | | | | | | | | | | 63.5 m/2.0 | 64.0 |
| Reeves | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | Reeves |

Working radius (m) — Working radius (m)

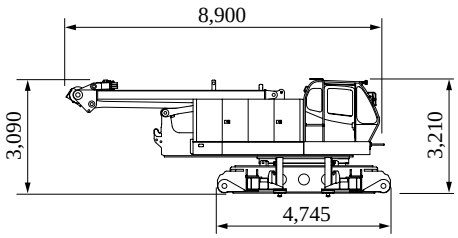
Note:
Ratings according to Japanese Construction Codes for Mobile Cranes and Japanese Safety Ordinance on Cranes, etc.
Ratings shown in [ ] are determined by the strength of the tower or other structural components.
Refer to notes P19 and P20.

# PARTS AND ATTACHMENTS

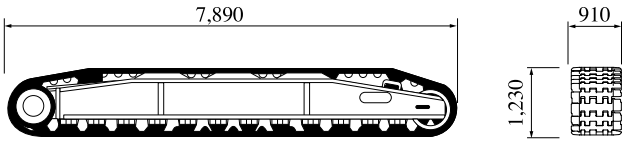
**Base Machine**
With gantry, lower boom, carbody, lower spreader and upper spreader
Weight: 36,785 kg  Width: 3,200 mm



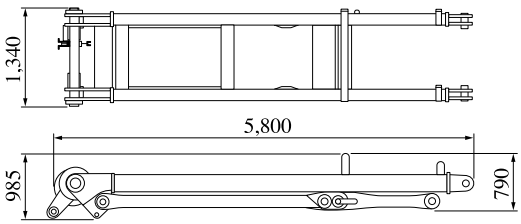

**Base Machine**
With gantry and carbody
Weight: 33,200 kg  Width: 3,200 mm



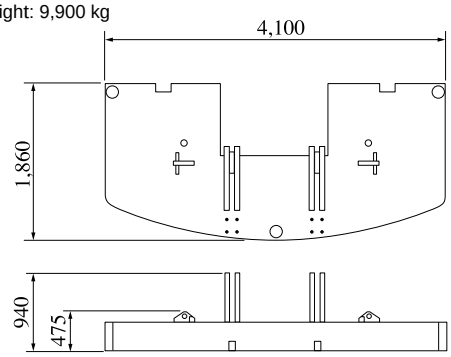

**Crawler**
Weight: 14,500 kg



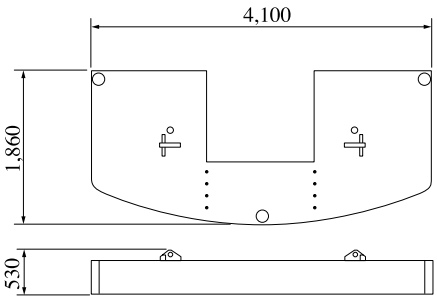

**Gantry**
Weight: 2,200 kg



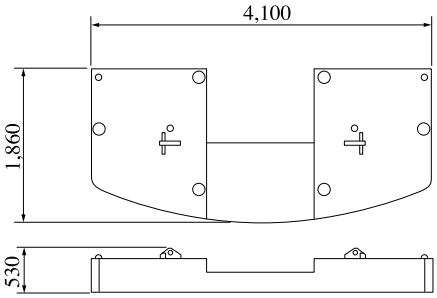

**Counterweight A**
Weight: 9,900 kg



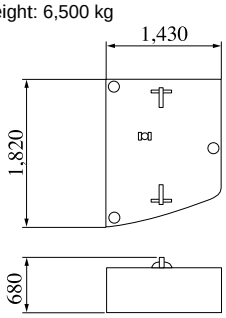

**Counterweight B, C**
Weight: 10,000 kg x 2 pieces



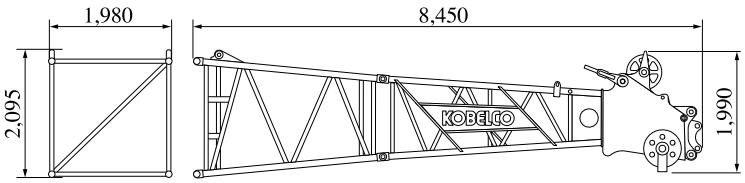

**Counterweight D**
Weight: 9,300 kg



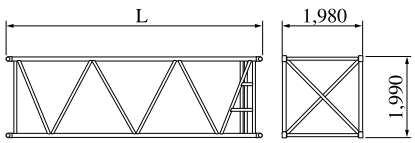

**Counterweight E**
Weight: 6,500 kg




**Boom Top (with 3.0 m tapered boom)**
Weight: 2,530 kg (with boom guy cables)



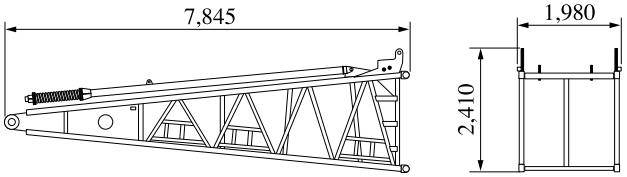

**Insert Boom**



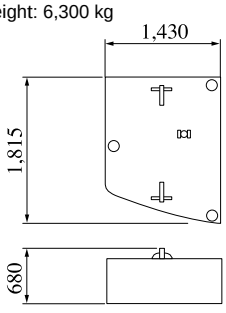

| | L (mm) | Weight (kg)* |
|---|---|---|
| 3.0m | 3,180 | 630 |
| 6.1m | 6,230 | 1,000 |
| 9.1m | 9,270 | 1,360 |

*with boom guy cables

**Boom Base (with tower backstop)**
Weight: 3,100 kg

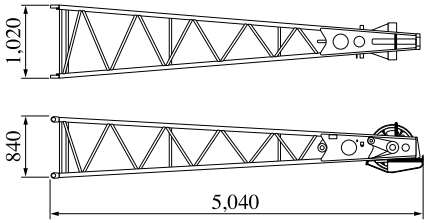



**Counterweight F**
Weight: 6,300 kg

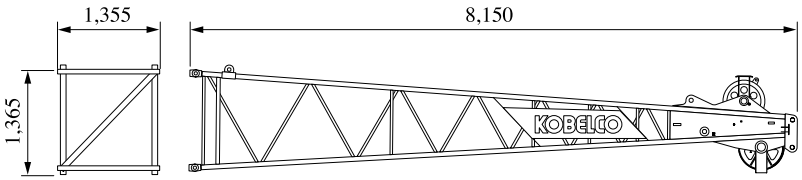


Dimensions: mm Weight: kg

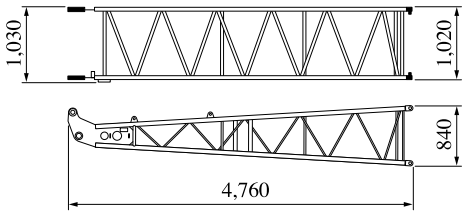
**Jib Top (For Crane)**
Weight: 315 kg



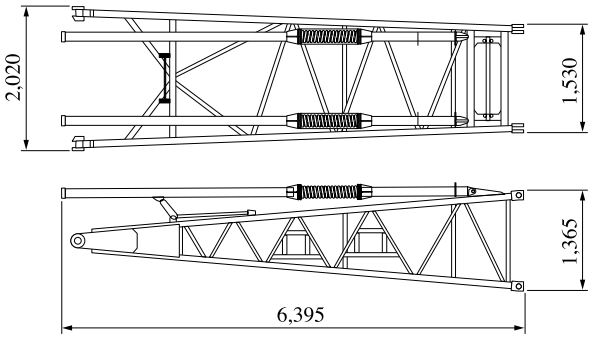

**Tower Jib Top**
Weight: 900 kg



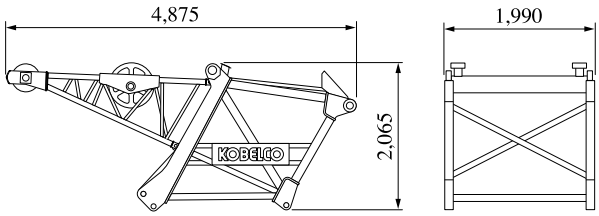

**Jib Base (For Crane)**
Weight: 210 kg




**Tower Jib Base**
Weight: 1,200 kg



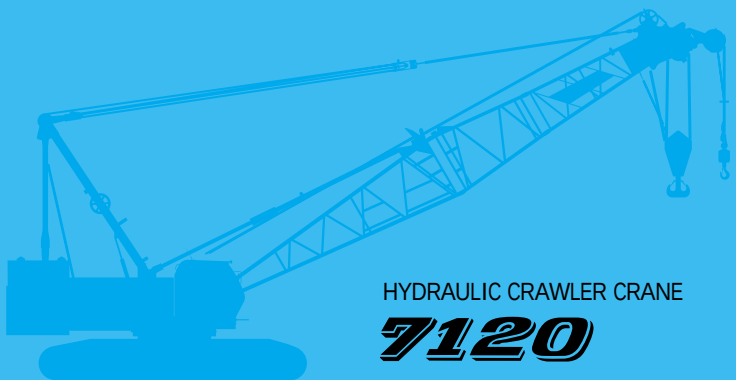

**Tower Cap**
Weight: 1,780 kg




# Other Attachments

| Attachments | Weight | Dimensions (L x W x H) |
|---|---|---|
| **9.1A special insert boom for tower** | 1,740 kg (with guy cables) | 9,270 mm x 1,980 mm x 2,790 mm |
| **3.0A relay jib** | 230 kg | 3,145 mm x 1,530 mm x 1,365 mm |
| **3.0 m tower insert jib** | 210 kg | 3,145 mm x 1,355 mm x 1,365 mm |
| **6.1 m tower insert jib** | 360 kg | 6,195 mm x 1,355 mm x 1,365 mm |
| **9.1 m tower insert jib** | 510 kg | 9,240 mm x 1,355 mm x 1,365 mm |
| **3.0 m insert jib (for crane)** | 110 kg | 3,130 mm x 1,020 mm x 840 mm |
| **6.1 m insert jib (for crane)** | 190 kg | 6,175 mm x 1,020 mm x 840 mm |
| **Tower jib strut** | 1,355 kg | 5,925 mm x 2,065 mm x 915 mm |
| **Crane jib strut** | 300 kg | 5,130 mm x 1,040 mm x 615 mm |
| **Crane backstop** | 210 kg (1 piece) | 6,265 mm x 115 mm dia. x 210 mm |
| **Tower backstop** | 420 kg (1 piece) | 6,200 mm x 140 mm dia. x 235 mm |
| **Upper spreader** | 485 kg | 2,045 mm x 365 mm x 880 mm |
| **Lower spreader** | 315 kg | 1,150 mm x 300 mm x 930 mm |
| **Upper spreader for tower jib** | 310 kg | 925 mm x 730 mm x 1,170 mm |
| **Lower spreader for tower jib** | 410 kg | 1,940 mm x 460 mm x 1,070 mm |
| **120-ton hook** | 1,700 kg | 710 mm x 700 mm x 1,930 mm |
| **70-ton hook** | 1,200 kg | 470 mm x 700 mm x 1,825 mm |
| **35-ton hook** | 900 kg | 365 mm x 700 mm x 1,575 mm |
| **Ball hook** | 450 kg | 380 mm dia. x 1,200 mm |

Note: Estimated weights may vary ± 2%.



HYDRAULIC CRAWLER CRANE

# 7120

## Standard Equipment

### Upper structure/Lower structure

Counterweight: 52.3 ton (total weight)
910 mm shoe crawlers
Batteries (2-12V, 136 Ah/5HR)
Trans-lifter (jack system)
Travel kit
Gantry raising/lowering cylinder
Electric hand throttle grip
Variable boom hoist speed controller
Variable main/aux. hoist speed controller
Swing neutral-free/brake select switch
Side deck for cab
Steps (crawlers)
Two front working lights
Two rear view mirrors
Tools (for routine maintenance)
Upper spreader storage guide

### Cab/Control

Air conditioner
Luggage box
Cup holder
Ashtray
Cigar lighter
Intermittent wiper & window washer (skylight and front window)
Sun visor
Roof blind
Floor mat (cloth)
Foot rest
Shoe tray

### Safety Device

Load Moment Indicator (with boom lowering slow stop function)
LMI release key (for hook over-hoist prevention device and boom over-hoist prevention device)
LCD multi display
Ultimate stop function for boom over-hoist
Function lock lever
Propel lever lock
Mechanical drum lock pawl (main, aux. and boom hoist)
Signal horn
Swing parking brake
Mechanical swing lock pin (four positions)
Swing flashers/warning buzzer

**Note:** Standard equipment may vary depending on your areas or countries.
Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.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