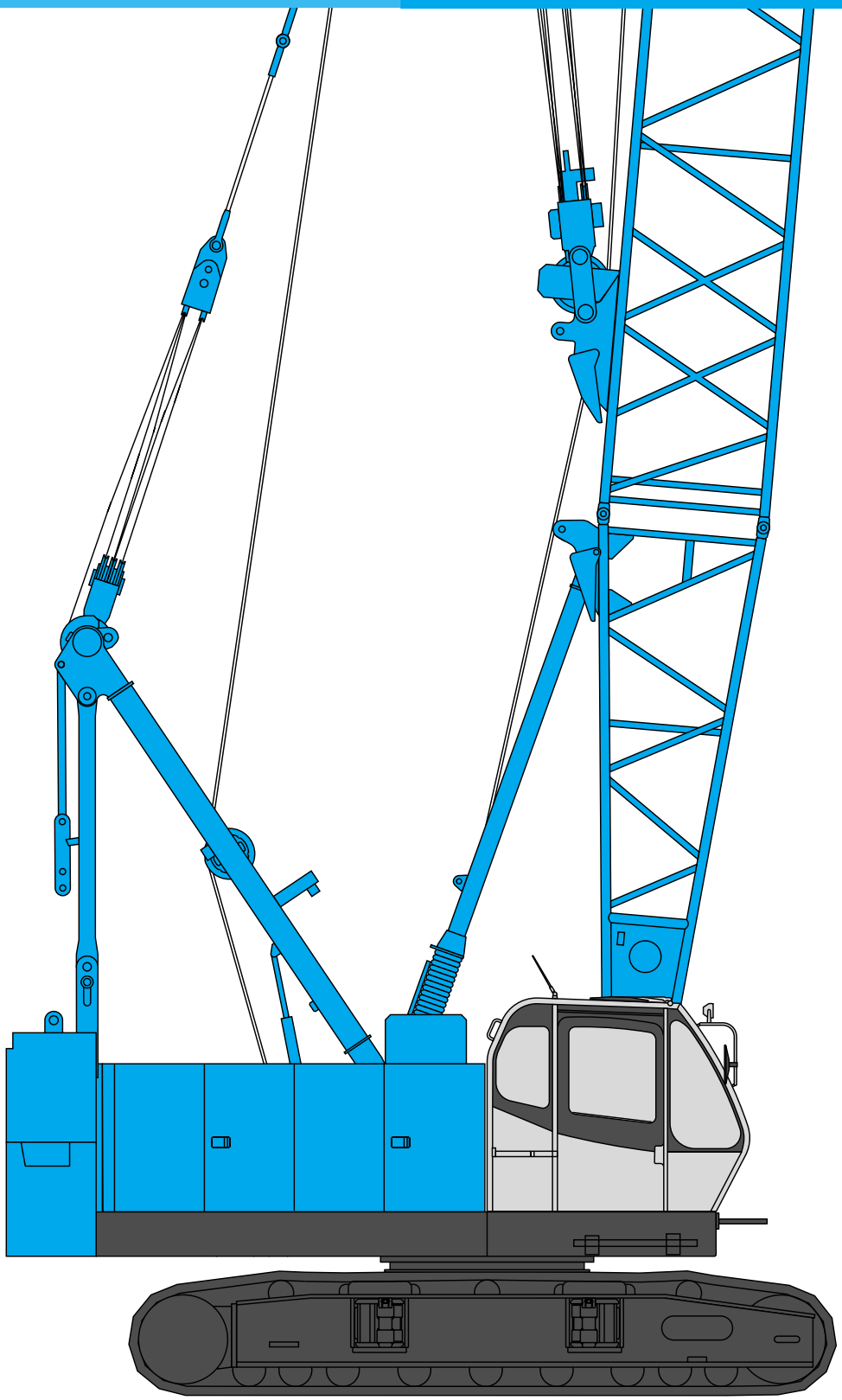
KOBELCO

HYDRAULIC CRAWLER CRANE

7055

Model: 7055-3F



Max. Lifting Capacity: 55 t x 3.7 m
Max. Crane Boom Length: 51.8 m
Max. Fixed Jib Combination: 42.7 + 12.2 m, 39.6 + 18.3 m
Max. Tower Jib Combination: 42.4 + 29.0 m

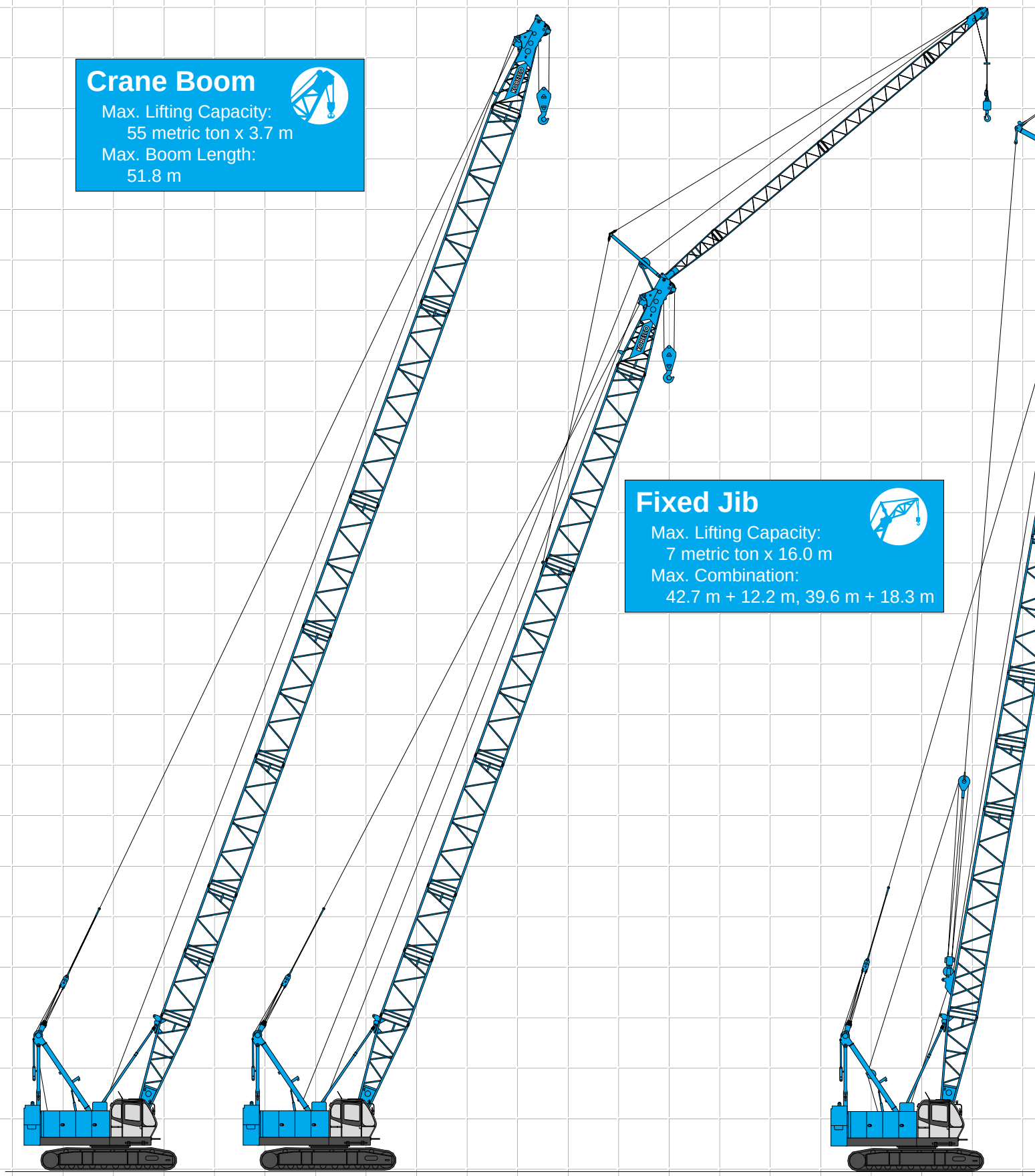
CONFIGURATION

Crane Boom

Max. Lifting Capacity:
55 metric ton x 3.7 m
Max. Boom Length:
51.8 m

Fixed Jib

Max. Lifting Capacity:
7 metric ton x 16.0 m
Max. Combination:
42.7 m + 12.2 m, 39.6 m + 18.3 m



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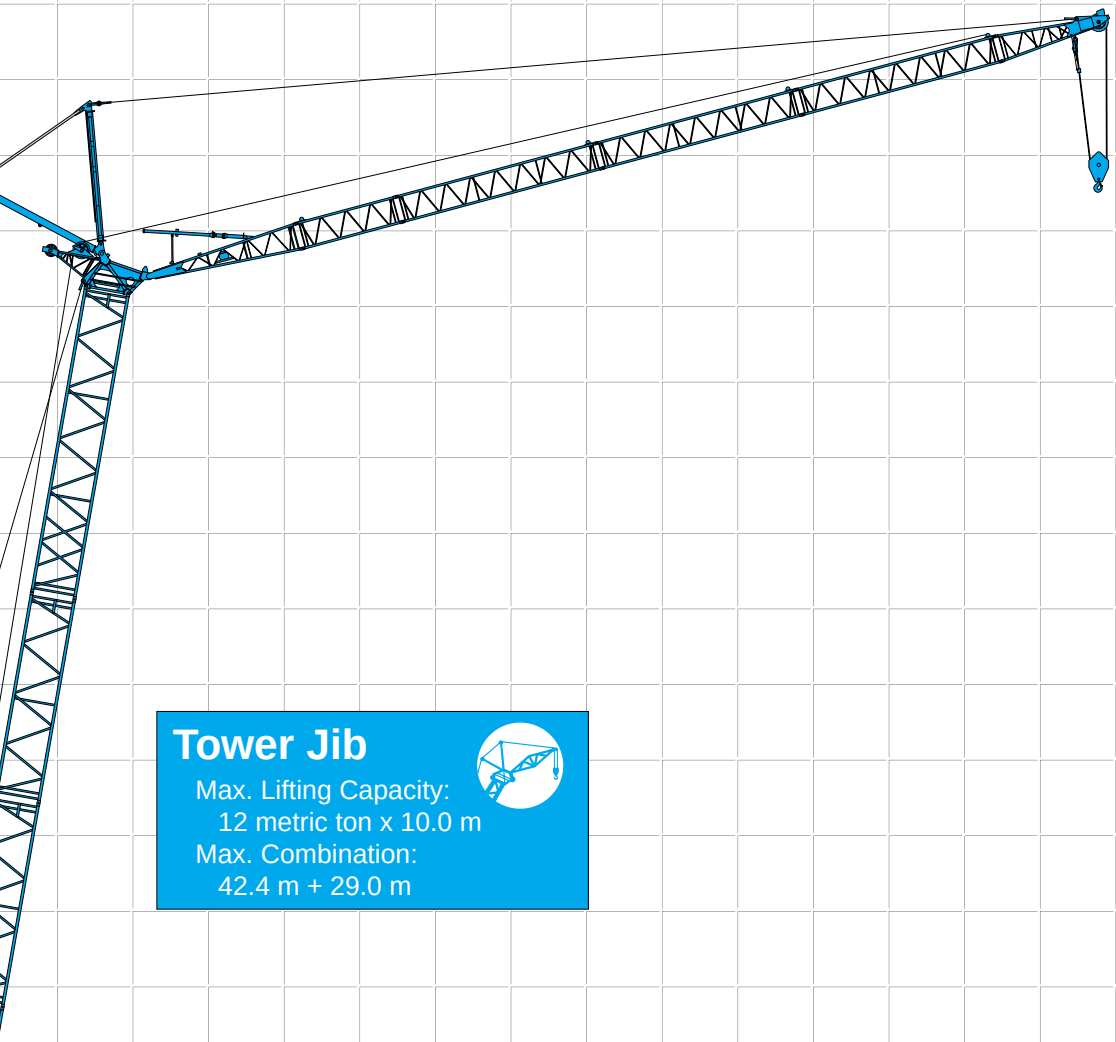


Tower Jib

Max. Lifting Capacity:
12 metric ton x 10.0 m
Max. Combination:
42.4 m + 29.0 m

CONTENTS

SPECIFICATIONS

Power Plant

Model: Hino diesel engine J08E-TM
Type: Water-cooled, direct fuel injection, with turbocharger Compiles with NRMM (Europe) Stage IIIA and US EPA Tier III.
Displacement: 7.684 liters
Rated Power: 159 kW at 2,000 min^{-1} {rpm} (ISO)
Max. torque: 797 N·m/1,600 min^{-1}
Cooling system: Liquid, recirculating bypass
Starter: 24 V/5.0 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 12 V,136Ah/5HR capacity batteries, series connected.
Fuel tank capacity: 400 liters

Hydraulic System

Three variable displacement piston pumps are driven by heavy-duty pump drive. Two of variable displacement pumps are used in the main hook hoist circuit, boom hoist circuit, auxiliary hook hoist circuit, third hoist circuit and each propel circuit. The other is used in the swing 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: 440 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 16 mm dia. wire rope.
Line speed: Single line on first drum layer
Hoisting/Lowering: 70 to 2 m/min

Diameter of wire ropes
Boom guy line: 30 mm
Boom hoist reeving: 12 parts of 16 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.
Brake: A spring-set, hydraulically released multiple-disc brake is mounted on the hoist motor and operated through a counter-balance valve.

Drum lock: External ratchet for locking drum.
Drums:
Front drum:
550 mm P.C.D. x 545 mm Lg. wide drum, grooved for 22 mm wire rope. Rope capacity is 175 m working length and 335 m storage length.
Rear drum:
550 mm P.C.D. x 545 mm Lg. wide drum, grooved for 22 mm wire rope. Rope capacity is 125 m working length and 335 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: 90 to 3 m/min(Rear drum)
Line Pull:
Rated line pull (Single-line): 68.6 kN {7.0 tf}

Swing System

Swing unit is powered by hydraulic motor driving spur gear through planetary reducer, the swing system provides 360° rotation.
Swing parking 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, two position lock for transportation
Swing speed: 4.0 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: 15.2 ton
Additional counterweight: 3.3 ton
Note: Additional counterweight is required when raising or lowering the tower length of 42.4 m.

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 can be hydraulically extended for wide-track operation or retracted for transportation. 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): 59 shoes, 760 mm wide each crawler

Max. travel speed: 2.2/1.5 km/h

Max. gradeability: 40%

Weight

Including upper and lower machine, 15.2 ton counterweight, basic boom (or basic tower + basic tower jib), hook, and other accessories.

Specification	Weight	Ground pressure
Crane boom	Approx. 56.7 ton,	72.3 kPa {0.74 kgf/cm²}
Tower jib	Approx. 60.6 ton,	77.3 kPa {0.79 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	9.1 m	51.8 m
Fixed Jib	30.5 m + 6.1 m	42.7 m + 12.2 m 39.6 m + 18.3 m
Tower Jib	21.0 m + 16.8 m	42.4 m + 29.0 m

Main Specifications (Model: 7055-3F)

Crane Boom		
Max. Lifting Capacity	55 t/3.7 m	
Max. Length	51.8 m	
Fixed Jib		
Max. Lifting Capacity	7 t/16.0 m	
Max. Combination	42.7 m + 12.2 m, 39.6 m + 18.3 m	
Tower Jib		
Max. Lifting Capacity	12 t/10.0 m	
Max. Combination	42.4 m + 29.0 m	
Tower Angle	60˚ ~ 90˚	
Main & Aux. Winch		
Max. Line Speed	120 m/min (1st layer)	
Rated Line Pull (Single Line)	68.6 kN {7.0 tf}	
Wire Rope Diameter	22 mm	
Wire Rope Length	Crane	175 m (Main) 125 m (Aux.)
	Tower	220 m (Main) 120 m (Aux.)
Brake Type	Spring-set hydraulically released	
Working Speed		
Swing Speed	4.0 min⁻¹ {rpm}	
Travel Speed	2.2/1.5 km/h	

Power Plant	
Model	Hino J08E-TM
Engine Output	159 kW/2,000 min⁻¹ {rpm}
Fuel Tank Capacity	400 liters
Hydraulic System	
Main Pumps	3 variable displacement
Max. Pressure	31.9 MPa {325 kgf/cm²}
Hydraulic Tank Capacity	440 liters
Weight	
Operating Weight*	Approx. 56.7 t
Ground Pressure*	72.3 kPa {0.74 kgf/cm²}
Counterweight	15.2 t
Transport Weight**	40.2 t

* Including upper and lower machine, 15.2 ton counterweight, basic boom, hook, and other accessories.

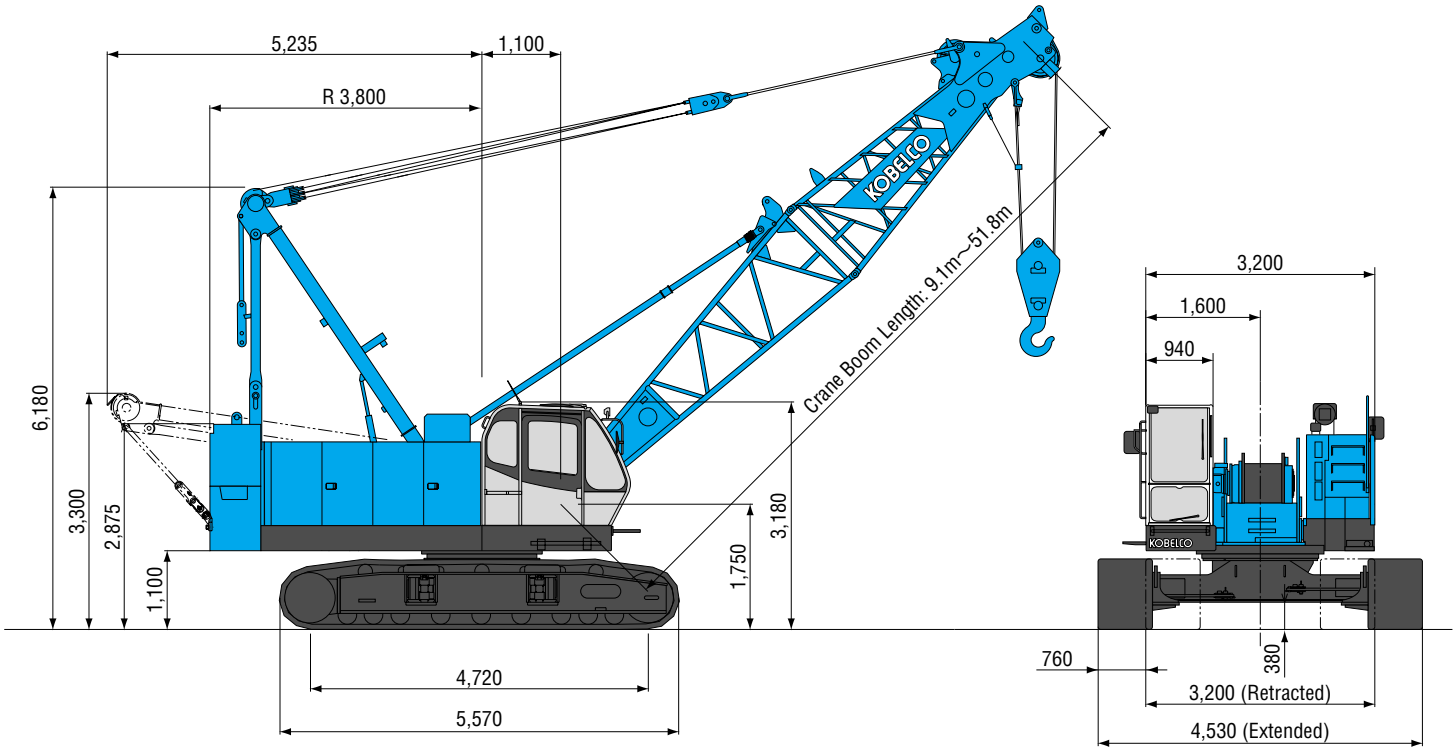
** Base machine with boom base, crawlers, gantry, lower spreader, upper spreader, wire ropes for main and boom hoist winches.

Units are SI units. {} indicates conventional units.

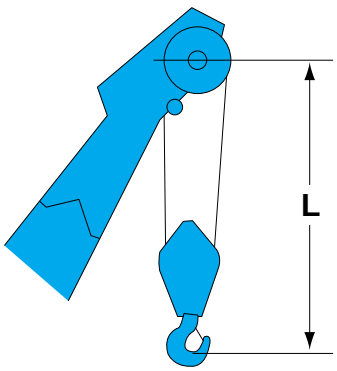
GENERAL DIMENSIONS

Crane Boom

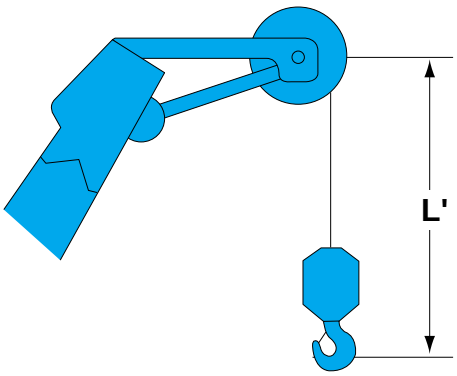
(Unit: mm)



Limit of Hook Lifting



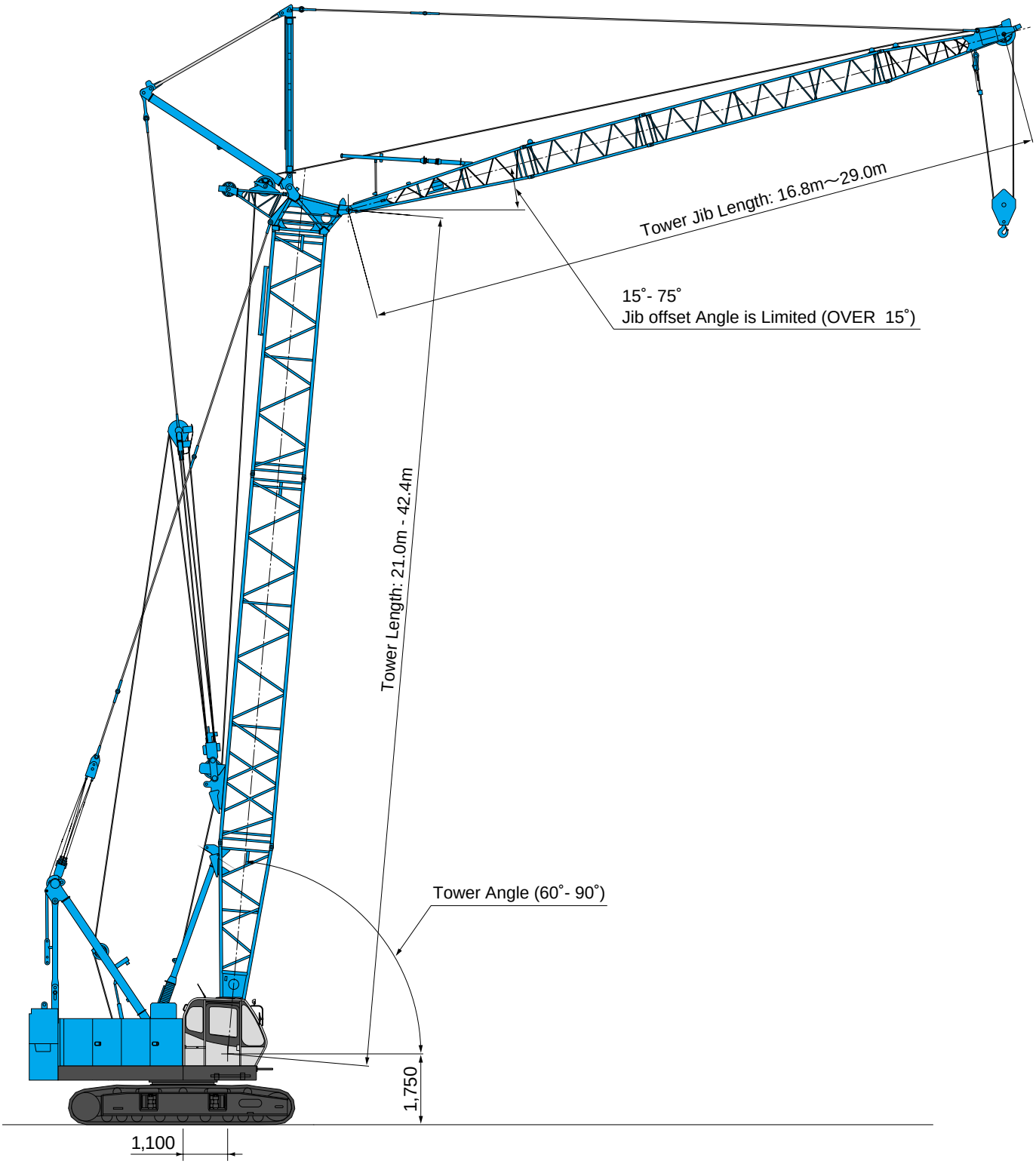
Hook	L
55 t hook	3.9 m
32 t hook	3.7 m
19 t hook	3.6 m



Hook	L'
7 t ball hook	3.0 m

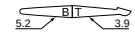
Tower Jib

(Unit: mm)



BOOM AND JIB ARRANGEMENTS

Crane Boom Arrangements

Boom length m (ft)	Boom arrangement
9.1 (30)	
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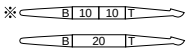
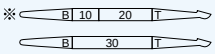
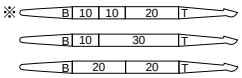
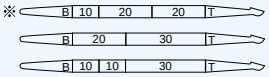
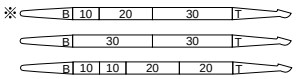
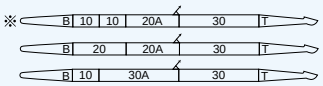
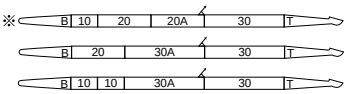
15.2 (50)	
18.3 (60)	
21.3 (70)	
24.4 (80)	
27.4 (90)	
30.5 (100)	

Boom length m (ft)	Boom arrangement
33.5 (110)	
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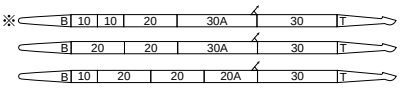
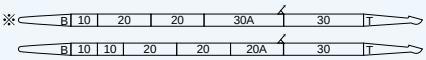
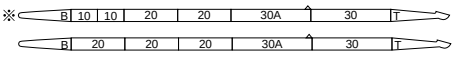
39.6 (130)	
42.7 (140)	
45.7 (150)	
48.8 (160)	
51.8 (170)	

Symbol	Boom Length	Remarks
B	5.2 m	Boom Base
T	3.9 m	Boom Top
10	3.0 m	Insert Boom
20	6.1 m	Insert Boom
20A	6.1 m	Insert Boom with Lug
30	9.1 m	Insert Boom
30A	9.1 m	Insert Boom with Lug

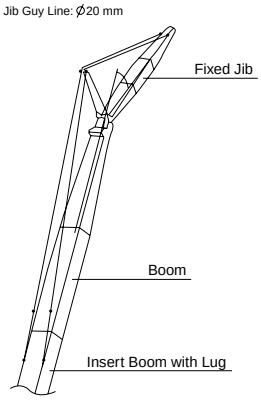
mark shows the guy line installing position when the fixed jib is used.

※ mark shows the standard boom arrangement which enables each boom length of less than that boom length to be configured.

Note:In the following cases a 6.1 m or 9.1 m insert boom with lug is required:

1. With a fixed jib fitted
2. When assembling a boom length of 39.6 m or over without using an auxiliary crane

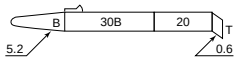
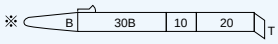
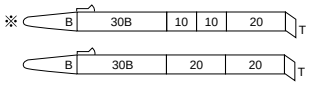
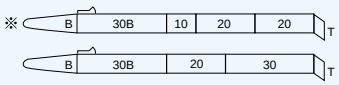
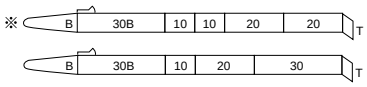
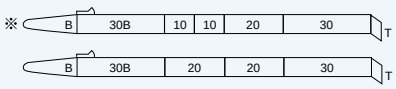
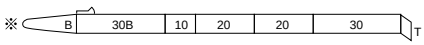
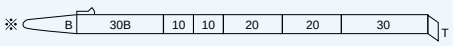
Fixed Jib Arrangements



Crane boom length	Jib length m (ft)	Jib arrangement
30.5 m ≀ 42.7 m	6.1(20)	
	12.2 (40)	
30.5 m ≀ 39.6 m	18.3 (60)	

Symbol	Jib Length	Remarks
B	3.0 m	Jib Base
T	3.0 m	Jib Top
20	6.1 m	Insert Jib

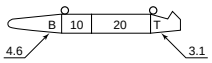
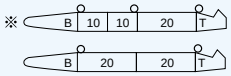
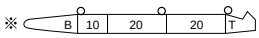
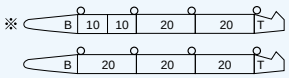
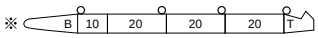
Tower Arrangements

Tower length m (ft)	Tower arrangement
21.0 (69)	
24.1 (79)	
27.1 (89)	
30.2 (99)	
33.2 (109)	
36.3 (119)	
39.3 (129)	
42.4 (139)	

Symbol	Tower Length	Remarks
B	5.2 m	Boom Base
T	0.6 m	Tower Cap
10	3.0 m	Insert Boom
20	6.1 m	Insert Boom
30	9.1 m	Insert Boom
30B	9.1 m	Special Insert Boom for Tower

※ mark shows the standard tower arrangement which enables each tower length of less than that tower length to be configured.

Tower Jib Arrangements

Jib length m (ft)	Jib arrangement
16.8 (55)	
19.8 (65)	
22.9 (75)	
25.9 (85)	
29.0 (95)	

Symbol	Tower Jib Length	Remarks
B	4.6 m	Tower Jib Base
T	3.1 m	Tower Jib Top
10	3.0 m	Tower Insert Jib
20	6.1 m	Tower Insert Jib

※ mark shows the standard tower jib arrangement which enables each tower jib length of less than that jib length to be configured.
○ mark indicates the cable roller install position.

Tower and Jib Combinations and Allowable Tower Angle

Tower length \ Jib length	16.8 m	19.8 m	22.9 m	25.9 m	29.0 m	Pillow plate	Add. weight*
21.0 m	90˚-60˚	90˚-60˚	—	—	—	—	×
24.1 m	90˚-60˚	90˚-60˚	90˚-60˚	—	—	—	×
27.1 m	90˚-60˚	90˚-60˚	90˚-60˚	90˚-60˚	—	—	×
30.2 m	90˚-60˚	90˚-60˚	90˚-60˚	90˚-60˚	90˚-70˚	—	×
33.2 m	90˚-60˚	90˚-60˚	90˚-70˚	90˚-70˚	90˚-70˚	—	×
36.3 m	90˚-60˚	90˚-70˚	90˚-70˚	90˚-70˚	90˚-70˚	—	×
39.3 m	90˚-70˚	90˚-70˚	90˚-70˚	90˚-70˚	90˚-70˚	Need	×
42.4 m	90˚-70˚	90˚-70˚	90˚-70˚	90˚-70˚	90˚-75˚	Need	Need
Hook: 19 ton hook	○	○	○	○	○		
Hook: Ball hook	×	○	○	○	○		
Jib Point Weight: 19 ton hook	Need	×	×	×	×		
Jib Point Weight: Ball hook	×	Need	×	×	×		

*Add. weight: Additional weight for self-erection

○ : 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	6	7	8
55-ton	650	5	-	-	21.0	28.0	35.0	42.0	49.0	55.0
32-ton	500	2	-	-	21.0	28.0	32.0	-	-	-
19-ton	400	1	-	14.0	19.0	-	-	-	-	-
7-ton ball hook	160	0	7.0	-	-	-	-	-	-	-

Symbols for Attachments:


Crane Boom

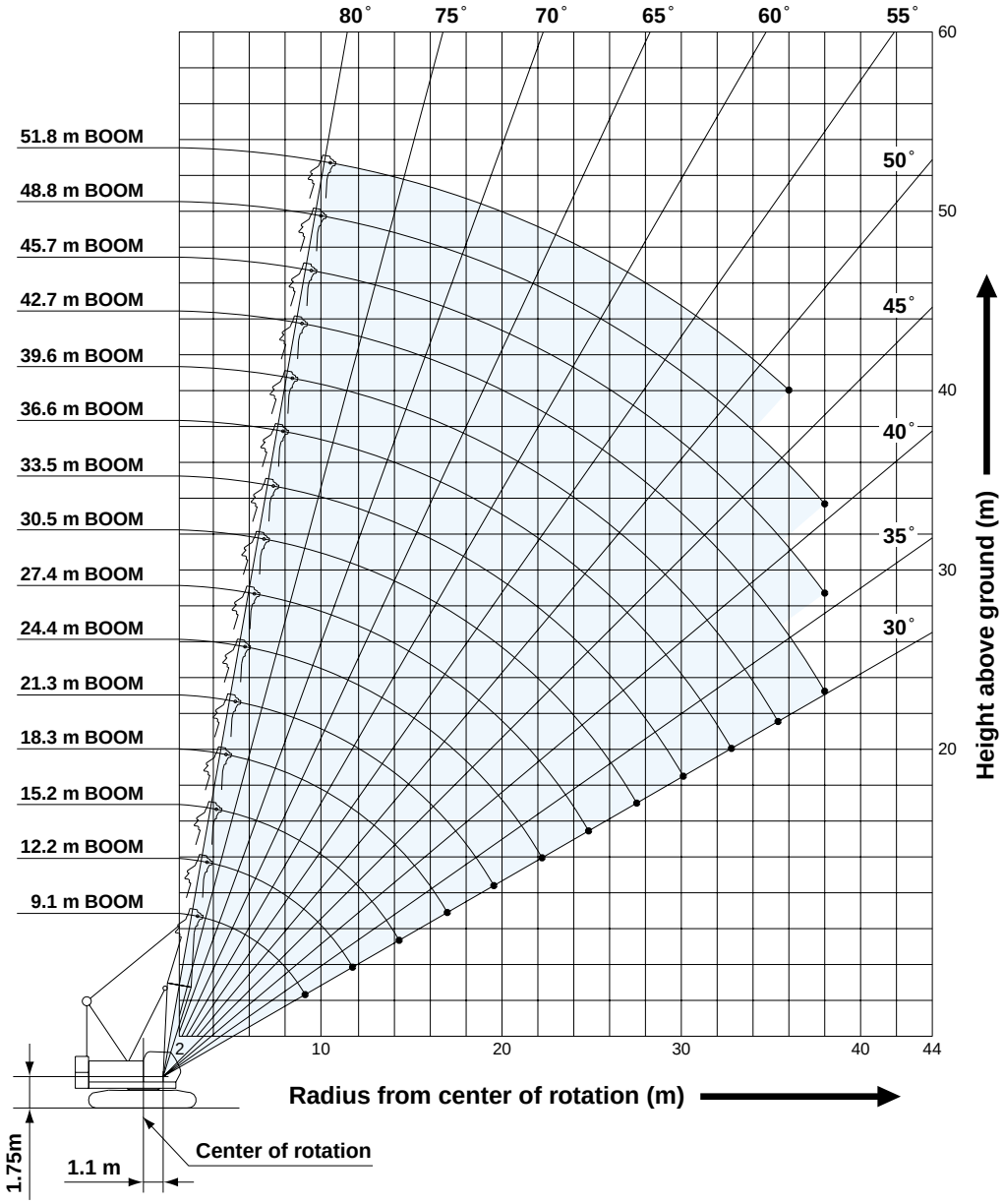

Auxiliary Sheave for Crane Boom


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. Crawler frames must be fully extended for all crane operations.
13. Ratings shown in ☐ are determined by the strength of the boom or other structural component.
14. Instruction in the "Operator's Manual" must be strictly observed when operating the machine.
15. Crane boom ratings: Deduct weight of main hook block, slings, and all other load handling accessories from crane boom ratings shown.
16. Auxiliary sheave ratings for crane boom: Deduct weight of ball hook, slings, and all other load handling accessories from auxiliary sheave ratings for crane boom shown.
17. Crane boom lengths for auxiliary sheave mounting are 9.1 m to 48.8 m.
18. Crane boom ratings with auxiliary sheave: Deduct 0.5 ton from crane boom ratings shown. Minimum rated loads must exceed 1.1 ton.

Crane Boom Lifting Capacity

Unit: metric ton

Counterweight: 15.2 t

Working radius (m) \ Boom length (m)	9.1	12.2	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	Boom length (m) \ Working radius (m)
3.0	55.0	3.5 m/55.0														**3.0**
3.7	55.0	55.0														**3.7**
4.0	50.7	50.7	50.7	4.5 m/44.3												**4.0**
5.0	38.5	38.4	38.3	38.3	37.7	5.6 m/31.6										**5.0**
6.0	28.7	28.6	28.5	28.5	28.4	28.4	6.1 m/27.6	6.6 m/24.2								**6.0**
7.0	22.8	22.7	22.6	22.6	22.5	22.4	22.4	22.3	7.2 m/21.3	7.7 m/19.2						**7.0**
8.0	18.9	18.8	18.6	18.6	18.5	18.5	18.4	18.4	18.3	18.2	8.2 m/17.4	8.7 m/15.8				**8.0**
9.0	16.1	15.9	15.8	15.8	15.7	15.6	15.6	15.5	15.4	15.4	15.3	15.2	9.3 m/13.2	9.8 m/13.2		**9.0**
10.0	9.1 m/15.9	13.8	13.7	13.6	13.5	13.5	13.4	13.4	13.3	13.2	13.1	13.1	13.0	12.9	10.3 m/11.8	**10.0**
12.0		11.7 m/11.2	10.7	10.7	10.6	10.5	10.4	10.4	10.3	10.2	10.1	10.0	10.0	9.9	9.8	**12.0**
14.0			8.8	8.7	8.6	8.5	8.4	8.4	8.3	8.2	8.1	8.0	8.0	7.9	7.8	**14.0**
16.0			14.4 m/8.5	7.3	7.2	7.1	7.0	7.0	6.9	6.8	6.7	6.6	6.5	6.5	6.3	**16.0**
18.0				17.0 m/6.8	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.5	5.4	5.3	**18.0**
20.0					19.7 m/5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	**20.0**
22.0						4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.9	3.7	**22.0**
24.0						22.3 m/4.5	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	**24.0**
26.0							24.9 m/3.8	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	**26.0**
28.0								27.6 m/3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	**28.0**
30.0									2.6	2.5	2.4	2.3	2.2	2.1	2.0	**30.0**
32.0									30.2 m/2.5	2.3	2.2	2.1	2.0	1.9	1.8	**32.0**
34.0										32.9 m/2.1	1.9	1.8	1.7	1.6	1.5	**34.0**
36.0											35.5 m/1.7	1.5	1.4	1.3	1.1	**36.0**
38.0												1.3	1.2	1.1		**38.0**
Reeves	8	8	8	7	6	5	4	4	4	3	3	3	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 P10.

Auxiliary Sheave Lifting Capacity for Crane Boom (With 19 t Main Hook)

Unit: metric ton

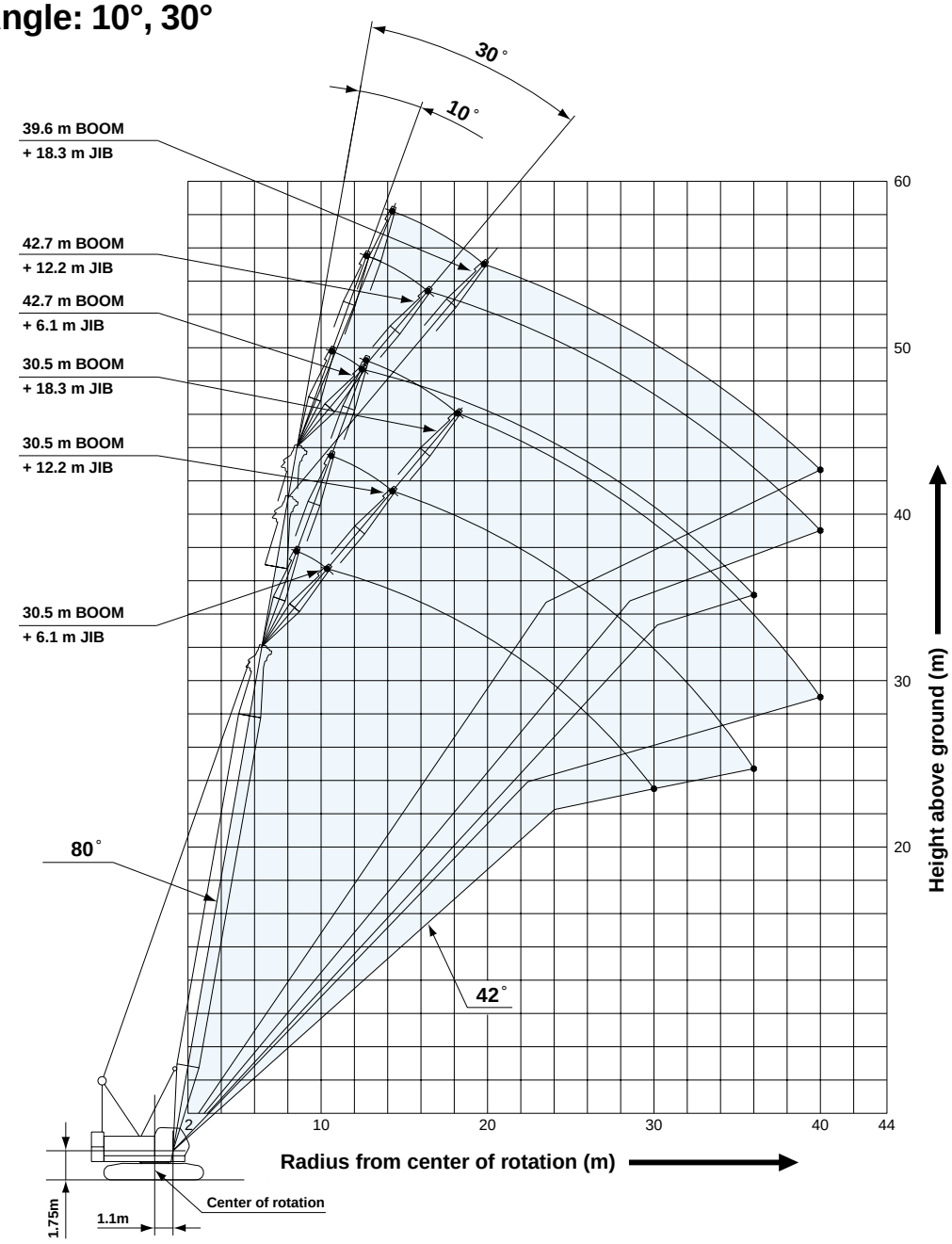
Counterweight: 15.2 t

Working radius (m) \ Boom length (m)	9.1	12.2	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)
3.0	3.8 m/7.0														**3.8**
4.0	7.0	4.3 m/7.0	4.8 m/7.0												**4.0**
5.0	7.0	7.0	7.0	5.4 m/7.0	5.9 m/7.0										**5.0**
6.0	7.0	7.0	7.0	7.0	7.0	6.4 m/7.0	6.9 m/7.0								**6.0**
7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.5 m/7.0							**7.0**
8.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	8.5 m/7.0					**8.0**
9.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	9.1 m/7.0	9.6 m/7.0			**9.0**
10.0	9.1 m/7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	10.1 m/7.0	10.6 m/7.0	**10.0**
12.0		11.7 m/7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	**12.0**
14.0			7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	**14.0**
16.0			14.4 m/7.0	6.6	6.5	6.4	6.3	6.3	6.2	6.1	6.0	5.9	5.8	5.8	**16.0**
18.0				17.0 m/6.1	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.8	4.7	**18.0**
20.0					19.7 m/4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	**20.0**
22.0						3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.2	**22.0**
24.0						22.3 m/3.8	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	**24.0**
26.0							24.9 m/3.1	2.7	2.6	2.5	2.4	2.3	2.2	2.1	**26.0**
28.0								27.6 m/2.4	2.3	2.2	2.1	2.0	1.9	1.8	**28.0**
30.0									1.9	1.8	1.7	1.6	1.5	1.4	**30.0**
32.0									30.2 m/1.8	1.6	1.5	1.4	1.3	1.2	**32.0**
34.0										32.9 m/1.4	1.2	1.1			**34.0**
Reeves	1	1	1	1	1	1	1	1	1	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 P10.

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. Crawler frames must be fully extended for all crane operations.
12. The boom should be erected over the front of crawlers, not laterally.
13. Ratings shown in [ ] are determined by the strength of the boom or other structural component.
14. Instruction in the “Operator's Manual” must be strictly observed when operating the machine.
15. Fixed jib ratings: Deduct weight of jib hook block, slings, and all other load handling accessories from fixed jib ratings shown.
16. Crane boom lengths for fixed jib mounting are 30.5 m to 42.7 m.

Fixed Jib Lifting Capacities (Without Main Hook)

Jib Offset Angle: 10°

Unit: metric ton

Counterweight: 15.2 t

Boom length (m)	30.5			33.5			36.6			39.6			42.7		Boom length (m)
Jib length (m)	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2	Jib length (m)
9.0	7.0			7.0											9.0
10.0	7.0			7.0			7.0			7.0					10.0
12.0	7.0	7.0	4.5	7.0	7.0		7.0	7.0		7.0			7.0		12.0
14.0	7.0	7.0	4.5	7.0	7.0	4.5	7.0	7.0	4.5	7.0	7.0	4.5	7.0	6.9	14.0
16.0	6.9	7.0	4.5	6.8	7.0	4.5	6.7	7.0	4.5	6.6	6.9	4.5	6.6	6.5	16.0
18.0	6.0	6.2	4.5	5.9	6.1	4.5	5.8	6.1	4.5	5.7	6.0	4.5	5.6	5.9	18.0
20.0	5.1	5.3	4.5	5.0	5.2	4.5	4.9	5.2	4.5	4.8	5.1	4.5	4.7	5.0	20.0
22.0	4.4	4.6	4.5	4.3	4.5	4.5	4.2	4.4	4.5	4.1	4.3	4.4	4.0	4.3	22.0
24.0	3.8	4.0	4.1	3.7	3.9	4.0	3.7	3.9	3.9	3.5	3.8	3.8	3.5	3.7	24.0
26.0	3.4	3.6	3.6	3.2	3.4	3.5	3.2	3.4	3.4	3.1	3.3	3.3	3.0	3.2	26.0
28.0	3.0	3.1	3.2	2.8	3.0	3.1	2.8	3.0	3.0	2.7	2.8	2.9	2.5	2.8	28.0
30.0	2.6	2.8	2.9	2.5	2.7	2.8	2.4	2.6	2.7	2.3	2.5	2.6	2.1	2.4	30.0
32.0	2.3	2.5	2.6	2.2	2.4	2.5	2.1	2.3	2.4	1.9	2.2	2.3	1.8	2.0	32.0
34.0		2.2	2.3	1.9	2.1	2.2	1.8	2.0	2.1	1.6	1.8	1.9	1.5	1.7	34.0
36.0		2.0	2.1	1.6	1.8	1.9	1.5	1.7	1.8	1.3	1.6	1.7	1.2	1.4	36.0
38.0		1.7	1.8		1.6	1.7	1.2	1.5	1.6	1.1	1.3	1.4		1.2	38.0
40.0			1.6		1.4	1.5		1.2	1.4		1.1	1.2			40.0
Reeves	1	1	1	1	1	1	1	1	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 boom or other structural components.
Refer to notes P12.

Jib Offset Angle: 30°

Unit: metric ton

Counterweight: 15.2 t

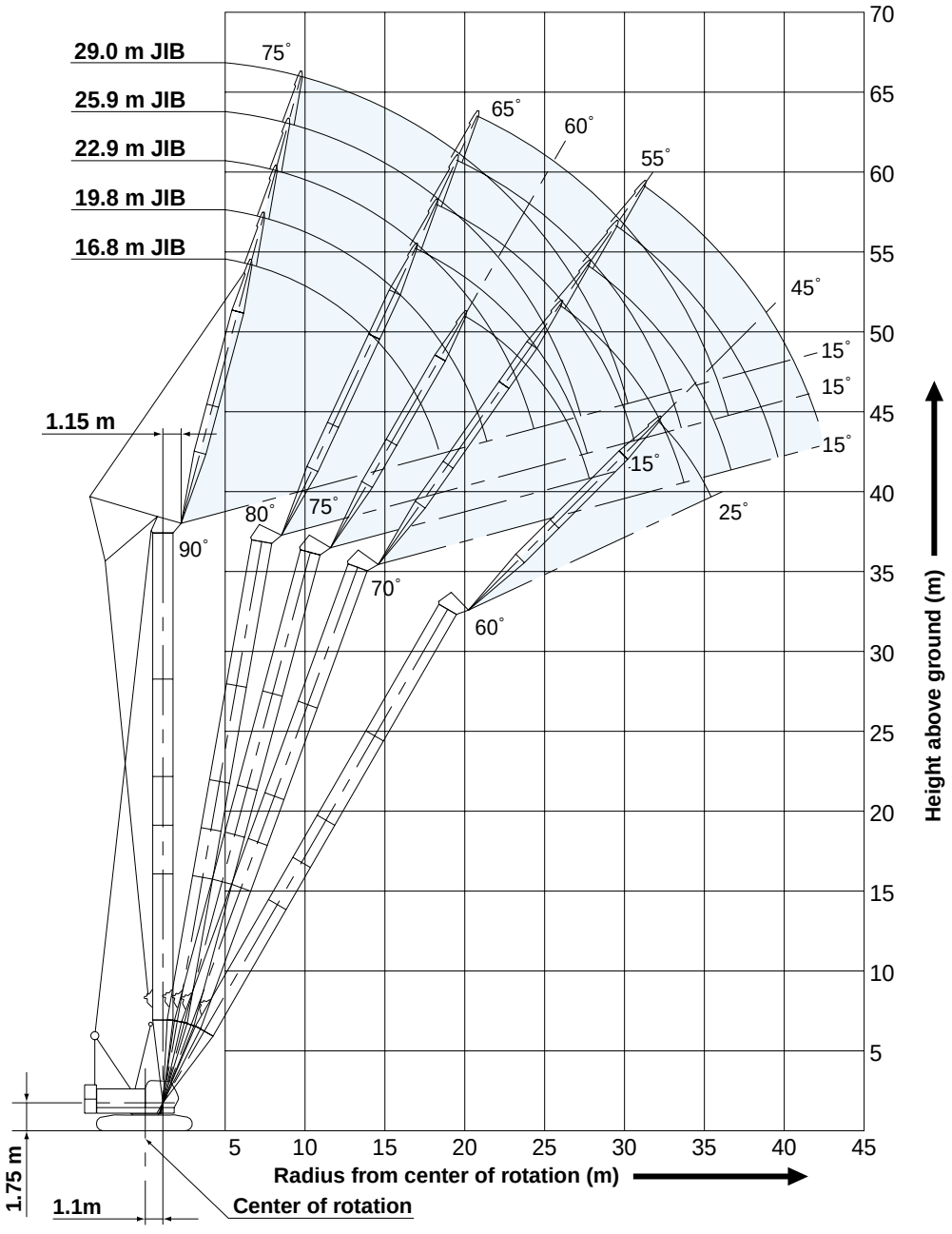
Boom length (m)	30.5			33.5			36.6			39.6			42.7		Boom length (m)
Jib length (m)	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2	Jib length (m)
12.0	7.0			7.0			7.0			7.0					12.0
14.0	7.0			7.0			7.0			7.0			6.8		14.0
16.0	7.0	5.0		7.0	5.0		7.0	5.0		6.9	5.0		6.6		16.0
18.0	6.2	5.0	3.2	6.1	5.0	3.2	6.0	5.0		5.9	5.0		5.9	4.6	18.0
20.0	5.3	5.0	3.2	5.2	5.0	3.2	5.1	5.0	3.2	5.0	5.0	3.2	4.9	4.4	20.0
22.0	4.5	4.9	3.2	4.4	4.8	3.2	4.4	4.7	3.2	4.3	4.7	3.2	4.2	4.3	22.0
24.0	3.9	4.2	3.2	3.8	4.2	3.2	3.8	4.1	3.2	3.7	4.0	3.2	3.6	4.0	24.0
26.0	3.4	3.7	3.2	3.3	3.6	3.2	3.3	3.6	3.2	3.2	3.5	3.2	3.1	3.4	26.0
28.0	3.0	3.3	3.2	2.9	3.2	3.2	2.9	3.1	3.2	2.7	3.1	3.2	2.7	3.0	28.0
30.0	2.7	2.9	3.1	2.6	2.8	3.0	2.5	2.8	3.0	2.4	2.7	2.9	2.3	2.6	30.0
32.0		2.6	2.8	2.2	2.5	2.7	2.2	2.4	2.6	2.0	2.3	2.5	1.9	2.3	32.0
34.0		2.3	2.5		2.2	2.4	1.8	2.1	2.3	1.7	2.0	2.2	1.6	1.9	34.0
36.0		2.0	2.2		1.9	2.1		1.9	2.1	1.4	1.7	2.0	1.3	1.6	36.0
38.0			2.0		1.7	1.9		1.6	1.8	1.1	1.5	1.7		1.3	38.0
40.0			1.8			1.7		1.3	1.6		1.2	1.4		1.1	40.0
Reeves	1	1	1	1	1	1	1	1	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 boom or other structural components.
Refer to notes P12.

Tower Jib Working Ranges

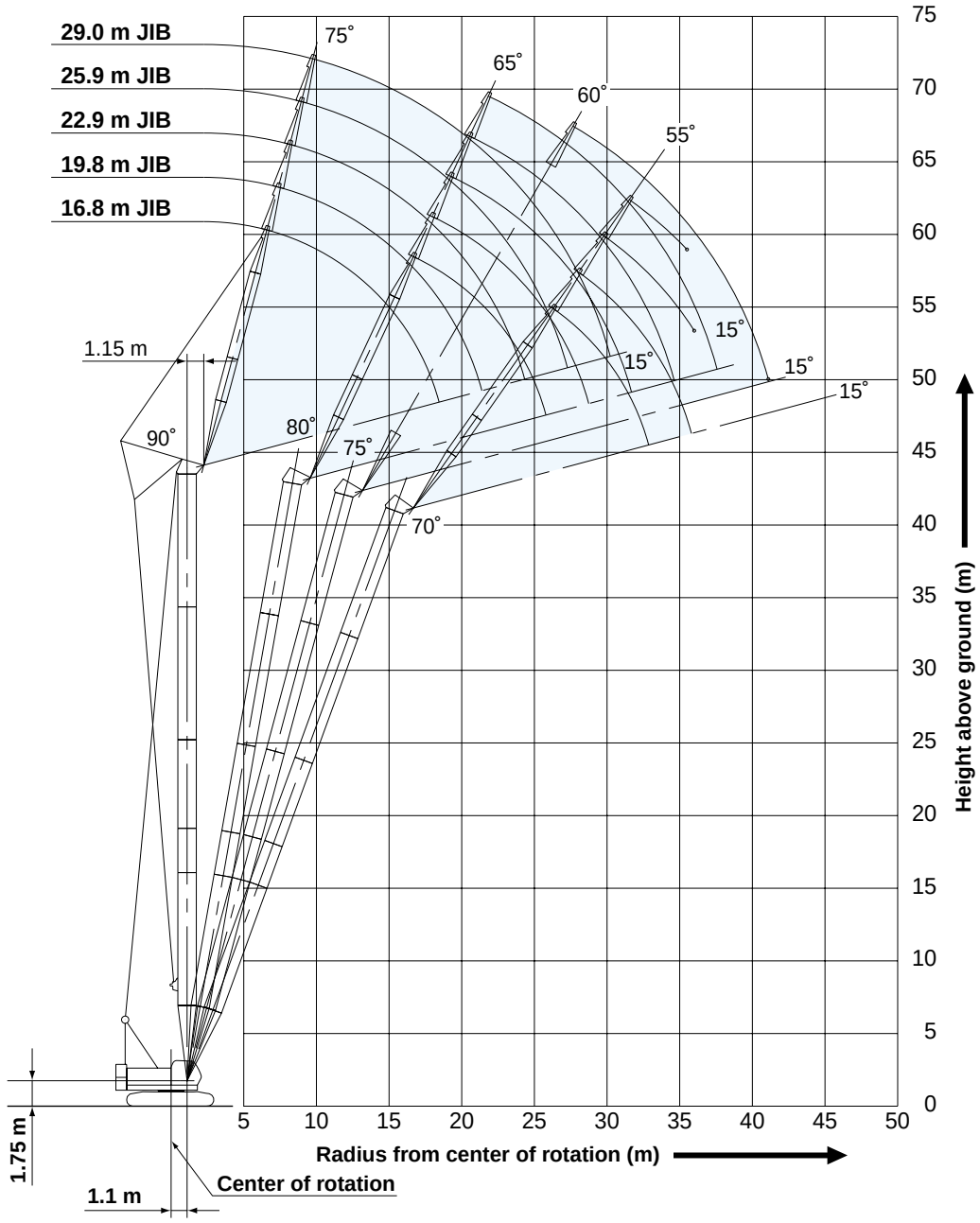
Tower Length: 36.3 m



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. 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.
11. Crawlers must be fully extended for all crane operations.

Tower Length: 42.4 m



12. Tower and tower jib backstops are required for all tower and tower jib combinations.
13. Ratings shown in [ ] are determined by the strength of the tower or other structural component.
14. With a 16.8 m tower jib, a 7-ton ball hook cannot be used.
15. When erecting and lowering the tower length of 39.3 m or over, the pillow plate for erection must be placed at the end of crawlers.
16. For the erection and dismantling of a 42.4 m tower, an additional weight for erection use (3.3 ton) must be used. Additional weight for self-erection should be removed during crane operation.
17. When using a 19-ton hook with a 16.8 m tower jib, or a 7-ton ball hook with a 19.8 m tower jib, attach a tower jib point weight (300 kg).
18. Instruction in the “Operator's Manual” must be strictly observed when operating the machine.
19. 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: 15.2 t

21.0 m Tower Length

Tower length (m)		21.0						Tower length (m)	
Jib length (m)		16.8			19.8			Jib length (m)	
Tower angle		90°	75°	60°	90°	75°	60°	Tower angle	
Working Radius (m)	6.0	6.5 m/12.0						6.0	Working Radius (m)
	7.0	12.0			7.3 m/12.0			7.0	
	8.0	12.0			12.0			8.0	
	9.0	12.0			12.0			9.0	
	10.0	12.0			11.8			10.0	
	12.0	10.7			10.5			12.0	
	14.0	9.6	15.9 m/7.4		9.4			14.0	
	16.0	8.2	7.3		8.1	17.5 m/6.5		16.0	
	18.0	6.2	6.4		7.1	6.3		18.0	
	20.0	18.3 m/5.5	5.6		5.9	5.5		20.0	
	22.0		5.0		21.3 m/4.6	4.9		22.0	
	24.0		23.7 m/4.5	24.4 m/3.8		4.4		24.0	
	26.0			3.5		4.0	26.5 m/3.3	26.0	
	28.0			3.2		26.7 m/3.8	3.1	28.0	
	30.0			28.7 m/3.1			2.8	30.0	
	32.0						31.6 m/2.6	32.0	
	Reeves	2			2			Reeves	

24.1 m Tower Length

Tower length (m)		24.1									Tower length (m)	
Jib length (m)		16.8			19.8			22.9			Jib length (m)	
Tower angle		90°	75°	60°	90°	75°	60°	90°	75°	60°	Tower angle	
Working Radius (m)	6.0	6.5 m/12.0									6.0	Working Radius (m)
	7.0	12.0			7.3 m/12.0						7.0	
	8.0	12.0			12.0			8.1 m/11.5			8.0	
	9.0	12.0			12.0			11.2			9.0	
	10.0	12.0			11.8			11.0			10.0	
	12.0	10.7			10.5			10.3			12.0	
	14.0	9.6			9.4			9.2			14.0	
	16.0	8.2	16.7 m/6.7		8.1			8.1			16.0	
	18.0	6.2	6.2		7.2	18.3 m/6.0		7.2	19.8 m/5.3		18.0	
	20.0	18.3 m/5.5	5.4		5.9	5.3		6.3	5.3		20.0	
	22.0		4.8		21.3 m/4.6	4.7		5.3	4.7		22.0	
	24.0		4.3	25.9 m/3.3		4.3		4.1	4.2		24.0	
	26.0		24.6 m/4.2	3.2		3.8		24.2 m/3.9	3.8		26.0	
	28.0			2.9		27.5 m/3.6	28.1 m/2.8		3.5		28.0	
	30.0			2.7			2.6		3.2	30.2 m/2.5	30.0	
	32.0			30.3 m/2.7			2.4		30.4 m/3.1	2.3	32.0	
	34.0						33.2 m/2.3			2.1	34.0	
	36.0									2.0	36.0	
	38.0									36.2 m/2.0	38.0	
	Reeves	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 P15 and P16.

Unit: metric ton

Counterweight: 15.2 t

27.1 m Tower Length

Tower length (m)		27.1												Tower length (m)
Jib length (m)		16.8			19.8			22.9			25.9			Jib length (m)
Tower angle		90°	75°	60°	90°	75°	60°	90°	75°	60°	90°	75°	60°	Tower angle
Working Radius (m)	6.0	6.5 m/12.0												6.0
	7.0	12.0			7.3 m/12.0									7.0
	8.0	12.0			12.0			8.1 m/11.5			8.9 m/8.6			8.0
	9.0	12.0			12.0			11.2			8.6			9.0
	10.0	12.0			11.8			11.0			8.4			10.0
	12.0	10.7			10.4			10.3			8.2			12.0
	14.0	9.5			9.3			9.2			7.7			14.0
	16.0	8.2	17.5 m/6.2		8.1			8.1			7.1			16.0
	18.0	6.2	6.0		7.2	19.0 m/5.5		7.2			6.5			18.0
	20.0	18.3 m/5.5	5.3		5.9	5.2		6.3	20.6 m/4.9		5.9			20.0
	22.0		4.7		21.3 m/4.6	4.6		5.3	4.5		5.3	22.1 m/4.4		22.0
	24.0		4.2			4.1		4.1	4.0		4.7	4.0		24.0
	26.0		25.3 m/3.9	27.4 m/2.8		3.7		24.2 m/3.9	3.7		4.0	3.6		26.0
	28.0			2.7		3.4	29.6 m/2.4		3.3		27.2 m/3.3	3.2		28.0
	30.0			2.5		28.3 m/3.3	2.3		3.0	31.7 m/2.1		3.0		30.0
	32.0			31.8 m/2.3			2.1		31.2 m/2.9	2.0		2.7	33.9 m/1.7	32.0
	34.0						1.9			1.9		2.5	1.7	34.0
	36.0						34.7 m/1.9			1.7		34.2 m/2.5	1.6	36.0
	38.0									37.6 m/1.6			1.4	38.0
	40.0												1.3	40.0
	42.0												40.6 m/1.3	42.0
	Reeves	2			2			2			2			Reeves

30.2 m Tower Length

Tower length (m)		30.2															Tower length (m)
Jib length (m)		16.8			19.8			22.9			25.9			29.0			Jib length (m)
Tower angle		90°	75°	60°	90°	75°	60°	90°	75°	60°	90°	75°	60°	90°	80°	70°	Tower angle
Working Radius (m)	6.0	6.5 m/12.0															6.0
	7.0	12.0			7.3 m/12.0												7.0
	8.0	12.0			12.0			8.1 m/11.5			8.9 m/8.6						8.0
	9.0	12.0			12.0			11.2			8.6			9.7 m/6.2			9.0
	10.0	12.0			11.8			11.0			8.4			6.2			10.0
	12.0	10.6			10.4			10.3			8.2			6.2			12.0
	14.0	9.5			9.3			9.2			7.7			6.0			14.0
	16.0	8.2			8.1			8.1			7.1			5.6			16.0
	18.0	6.2	18.3 m/5.7		7.2	19.8 m/5.0		7.2			6.4			5.1	19.6 m/5.4		18.0
	20.0	18.3 m/5.5	5.1		5.9	5.0		6.3	21.4 m/4.5		5.9			4.6	5.2		20.0
	22.0		4.5		21.3 m/4.6	4.4		5.3	4.4		5.3	22.9 m/4.0		4.2	4.6		22.0
	24.0		4.0			4.0		4.1	3.9		4.7	3.8		3.8	4.1		24.0
	26.0		3.7			3.6		24.2 m/3.9	3.5		4.0	3.4		3.5	3.7		26.0
	28.0		26.1 m/3.6	28.9 m/2.3		3.2			3.2		27.2 m/3.3	3.1		3.2	3.4	29.0 m/2.6	28.0
	30.0			2.2		29.1 m/3.1	31.1 m/1.9		2.9			2.8		2.8	3.1	2.5	30.0
	32.0			2.0			1.8		2.7	33.3 m/1.6		2.6		30.1 m/2.8	2.8	2.3	32.0
	34.0			33.3 m/1.8			1.7			1.6		2.4	35.4 m/1.3		2.6	2.0	34.0
	36.0						1.5			1.4		34.9 m/2.3	1.3		35.3 m/2.5	1.9	36.0
	38.0						36.2 m/1.5			1.3			1.2			1.7	38.0
	40.0									39.2 m/1.2			1.1			1.6	40.0
	42.0															40.4 m/1.5	42.0
	Reeves	2			2			2			2			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 tower or other structural components.
Refer to notes P15 and P16.

Unit: metric ton

Counterweight: 15.2 t

33.2 m Tower Length

Tower length (m)		33.2															Tower length (m)
Jib length (m)		16.8			19.8			22.9			25.9			29.0			Jib length (m)
Tower angle		90°	75°	60°	90°	75°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°	Tower angle
Working Radius (m)	6.0	6.5 m/12.0															6.0
	7.0	12.0			7.3 m/12.0												7.0
	8.0	12.0			12.0			8.1 m/11.5			8.9 m/8.6						8.0
	9.0	12.0			12.0			11.2			8.6			9.7 m/6.2			9.0
	10.0	12.0			11.8			11.0			8.3			6.2			10.0
	12.0	10.6			10.4			10.3			8.0			6.2			12.0
	14.0	9.5			9.3			9.2			7.7			6.0			14.0
	16.0	8.2			8.1			8.1	17.6 m/6.2		7.1			5.6			16.0
	18.0	6.2	19.1 m/5.2		7.2			7.2	6.0		6.4	18.9 m/5.5		5.1			18.0
	20.0	18.3 m/5.5	4.9		5.9	20.6 m/4.6		6.3	5.2		5.8	5.1		4.6	20.1 m/5.0		20.0
	22.0		4.3		21.3 m/4.6	4.2		5.3	4.7		5.3	4.6		4.2	4.5		22.0
	24.0		3.9			3.8		4.1	4.2		4.7	4.1		3.8	4.0		24.0
	26.0		3.5			3.4		24.2 m/3.9	3.8	26.6 m/2.9	4.0	3.7		3.5	3.6		26.0
	28.0		26.9 m/3.3			3.1			3.4	2.7	27.2 m/3.3	3.3	28.3 m/2.5	3.1	3.3		28.0
	30.0			30.5 m/1.8		29.8 m/2.8			3.1	2.4		3.1	2.3	2.8	3.0	30.1 m/2.2	30.0
	32.0			1.6			32.6 m/1.4			2.2		2.8	2.1	30.1 m/2.8	2.7	2.0	32.0
	34.0			1.5			1.3			2.0		32.9 m/2.7	1.9		2.5	1.8	34.0
	36.0			34.8 m/1.4			1.2			35.5 m/1.9			1.7		35.9 m/2.3	1.6	36.0
	38.0						37.7 m/1.1						1.6			1.5	38.0
	40.0												38.5 m/1.5			1.4	40.0
	42.0															41.4 m/1.3	42.0
	Reeves	2			2			2			2			1			Reeves

36.3 m Tower Length

Tower length (m)		36.3															Tower length (m)
Jib length (m)		16.8			19.8			22.9			25.9			29.0			Jib length (m)
Tower angle		90°	75°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	Tower angle
Working Radius (m)	6.0	6.5 m/12.0															6.0
	7.0	12.0			7.3 m/11.4												7.0
	8.0	12.0			11.4			8.1 m/10.1			8.9 m/8.6						8.0
	9.0	12.0			11.4			10.1			8.5			9.7 m/6.2			9.0
	10.0	12.0			11.4			10.1			8.3			6.2			10.0
	12.0	10.6			10.4			10.1			8.0			6.2			12.0
	14.0	9.5			9.3			9.2			7.7			6.0			14.0
	16.0	8.2			8.1	16.8 m/6.4		8.1			7.1			5.6			16.0
	18.0	6.2	19.9 m/4.7		7.2	5.9		7.2	18.1 m/5.8		6.4	19.4 m/5.2		5.1			18.0
	20.0	18.3 m/5.5	4.7		5.9	5.2		6.3	5.1		5.8	5.0		4.6	20.7 m/4.4		20.0
	22.0		4.1		21.3 m/4.6	4.6		5.3	4.5		5.3	4.4		4.2	4.4		22.0
	24.0		3.7			4.1	25.9 m/2.8	4.1	4.1		4.7	4.0		3.8	3.9		24.0
	26.0		3.4			3.7	2.8	24.2 m/3.9	3.7	27.6 m/2.5	3.9	3.6		3.5	3.5		26.0
	28.0		27.7 m/3.1			27.6 m/3.4	2.5		3.3	2.4	27.2 m/3.3	3.2	29.4 m/2.1	3.1	3.2		28.0
	30.0						2.3		3.0	2.2		3.0	2.1	2.8	2.9	31.1 m/1.9	30.0
	32.0			1.3			2.1		30.5 m/3.0	2.0		2.7	1.9	30.1 m/2.8	2.7	1.8	32.0
	34.0			1.2			33.6 m/1.9			1.8		33.5 m/2.5	1.7		2.4	1.6	34.0
	36.0			35.3 m/1.1						1.6			1.5		2.3	1.4	36.0
	38.0									36.6 m/1.6			1.4		36.4 m/2.2	1.3	38.0
	40.0												39.5 m/1.3			1.2	40.0
	42.0															1.1	42.0
	Reeves	2			2			2			2			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 tower or other structural components.
Refer to notes P15 and P16.

Unit: metric ton

Counterweight: 15.2 t

39.3 m Tower Length

Tower length (m)		39.3															Tower length (m)
Jib length (m)		16.8			19.8			22.9			25.9			29.0			Jib length (m)
Tower angle		90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	Tower angle
Working Radius (m)	6.0	6.5 m/11.4															6.0
	7.0	11.4			7.3 m/9.5												7.0
	8.0	11.4			9.5			8.1 m/8.1			8.9 m/6.7						8.0
	9.0	11.4			9.5			8.1			6.7			9.7 m/6.2			9.0
	10.0	11.0			9.5			8.1			6.7			6.2			10.0
	12.0	10.4			9.5			8.1			6.7			6.2			12.0
	14.0	9.5			9.2			8.1			6.7			6.0			14.0
	16.0	8.2	6.7		8.1	17.3 m/6.0		8.1			6.7			5.6			16.0
	18.0	6.2	5.8		7.2	5.7		7.2	18.6 m/5.4		6.4	19.9 m/4.9		5.0			18.0
	20.0	18.3 m/5.5	5.1		5.9	5.0		6.3	4.9		5.8	4.8		4.6	21.2 m/4.4		20.0
	22.0		4.5		21.3 m/4.6	4.4		5.3	4.4		5.3	4.3		4.2	4.2		22.0
	24.0		4.1	25.1 m/2.8		4.0		4.1	3.9		4.7	3.8		3.8	3.8		24.0
	26.0		25.1 m/3.8	2.6		3.6	26.9 m/2.4	24..2 m/3.9	3.5		3.9	3.5		3.4	3.4		26.0
	28.0			2.4		3.3	2.2		3.2	28.6 m/2.1	27.2 m/3.3	3.1		3.1	3.1		28.0
	30.0			2.1		28.1 m/3.2	2.0		2.9	1.9		2.9	30.4 m/1.7	2.8	2.8		30.0
	32.0			31.7 m/1.9			1.8		31.0 m/2.8	1.7		2.6	1.6	30.1 m/2.8	2.6	32.1 m/1.5	32.0
	34.0						1.6			1.6		2.4	1.4		2.3	1.3	34.0
	36.0						34.7 m/1.6			1.4			1.3		2.2	1.2	36.0
	38.0									37.6 m/1.3			1.1		36.9 m/2.1	1.1	38.0
	40.0												39.0 m/1.1				40.0
	Reeves	2			2			2			1			1			Reeves

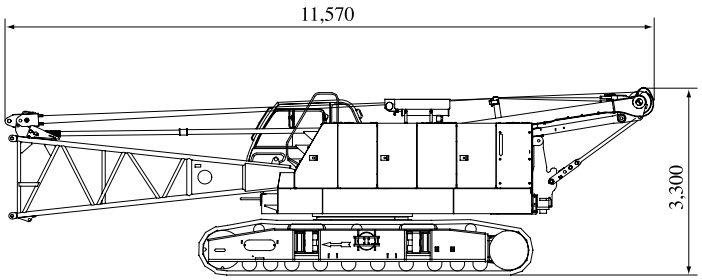
42.4 m Tower Length

Tower length (m)		42.4															Tower length (m)
Jib length (m)		16.8			19.8			22.9			25.9			29.0			Jib length (m)
Tower angle		90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	75°	Tower angle
Working Radius (m)	6.0	6.5 m/9.9															6.0
	7.0	9.9			7.3 m/8.2												7.0
	8.0	9.9			8.2			8.1 m/7.7			8.9 m/6.5						8.0
	9.0	9.9			8.2			7.7			6.5			9.7 m/6.0			9.0
	10.0	9.9			8.2			7.7			6.5			6.0			10.0
	12.0	9.0			8.2			7.7			6.5			6.0			12.0
	14.0	8.2			7.9			7.7			6.4			6.0			14.0
	16.0	7.3	16.6 m/6.2		7.5	17.9 m/5.6		7.4			6.3			5.6			16.0
	18.0	6.2	5.7		6.8	5.5		7.2	19.2 m/5.1		6.2			5.0			18.0
	20.0	18.3 m/5.5	5.0		5.8	4.9		6.3	4.8		5.8	20.4 m/4.6		4.6	21.7 m/4.1		20.0
	22.0		4.4		21.3 m/4.6	4.3		5.2	4.2		5.3	4.1		4.1	4.1		22.0
	24.0		3.9			3.9		4.1	3.8		4.7	3.7		3.8	3.6		24.0
	26.0		25.7 m/3.6	26.2 m/2.3		3.5	27.9 m/1.9	24.2 m/3.9	3.4		3.9	3.3		3.4	3.3	27.6 m/2.4	26.0
	28.0			2.1		3.2	1.9		3.1	29.7 m/1.7	27.2 m/3.3	3.0		3.1	3.0	2.3	28.0
	30.0			1.9		28.6 m/3.1	1.7		2.8	1.6		2.8	31.4 m/1.4	2.8	2.7	2.1	30.0
	32.0			1.7			1.6		31.6 m/2.6	1.5		2.5	1.3	30.1 m/2.8	2.5	1.9	32.0
	34.0			32.8 m/1.6			1.4			1.3		2.3	1.2		2.3	1.7	34.0
	36.0						35.7 m/1.3			1.2		34.5 m/2.3	35.5 m/1.1		2.1	1.5	36.0
	38.0									1.1					37.5 m/2.0	1.4	38.0
	40.0															1.2	40.0
	42.0															41.1 m/1.2	42.0
	Reeves	2			2			2			1			1			Reeves

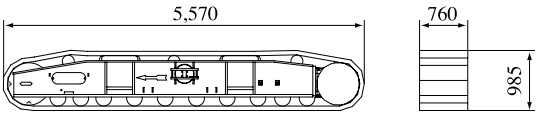
Note:
Ratings according to Japanese Construction Codes for Mobile Cranes and Japanese Safety Ordinance on Cranes, etc.
Ratings shown in [ ] are determined by the strength of the tower or other structural components.
Refer to notes P15 and P16.

PARTS AND ATTACHMENTS

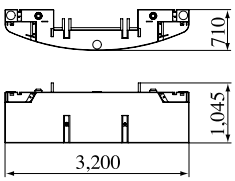
Base Machine
With boom base, crawlers, gantry, lower spreader, upper spreader, and wire rope for main & boom hoist winches
Weight: 40,200 kg Width: 3,200 mm



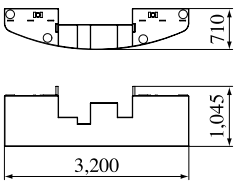
Crawler
Weight: 6,500 kg



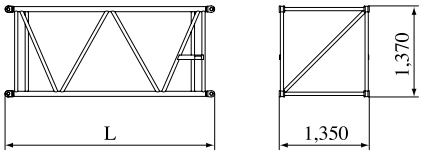
Counterweight A
Weight: 7,510 kg



Counterweight B
Weight: 7,730 kg



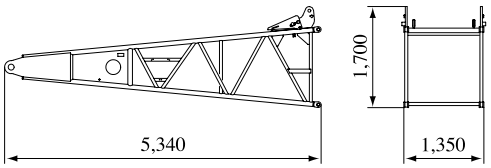
Insert Boom



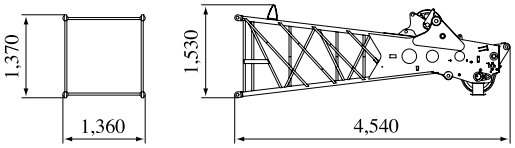
	L (mm)	Weight (kg)*
3.0m	3,145	320
6.1m	6,190	520
9.1m	9,240	730

*with boom guy cables

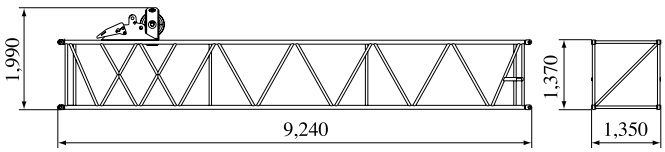
Boom Base
Weight: 980 kg



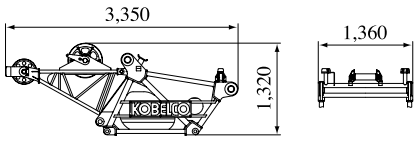
Boom Top
Weight: 1,070 kg (with boom guy cables)



9.1 m Special Insert Boom for Tower
Weight: 1,190 kg (with boom guy cables)

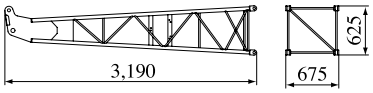


Tower Cap
Weight: 600 kg

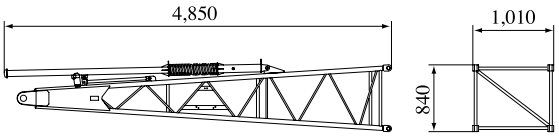


Dimensions: mm Weight: kg

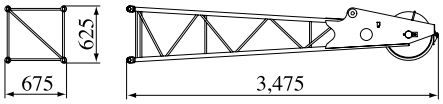
Jib Base (For Crane)
Weight: 125 kg



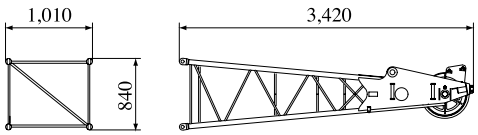
Tower Jib Base
Weight: 400 kg



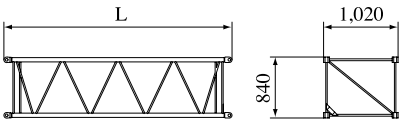
Jib Top (For Crane)
Weight: 145 kg



Tower Jib Top
Weight: 245 kg

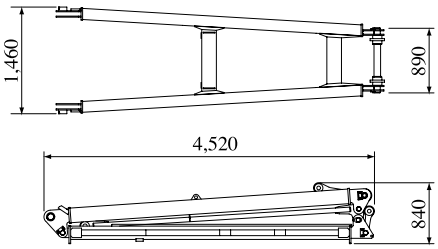


Insert Tower Jib



	L (mm)	Weight (kg)
3.0 m	3,120	115
6.1 m	6,170	195

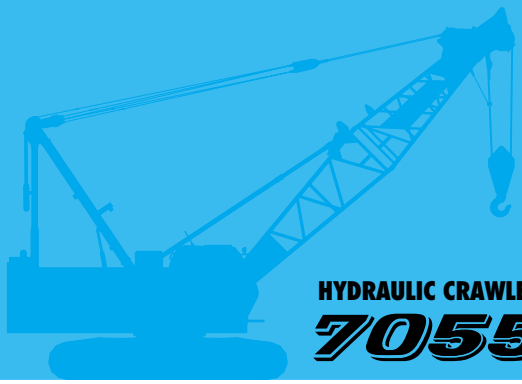
Tower Jib strut
Weight: 760 kg



Other Attachments

Attachments	Weight	Dimensions (L x W x H)
6.1 m insert boom with lug	540 kg (with guy cables)	6,190 mm x 1,350 mm x 1,500 mm
9.1 m insert boom with lug	750 kg (with guy cables)	9,240 mm x 1,350 mm x 1,500 mm
6.1 m insert jib (for crane)	140 kg	6,160 mm x 675 mm x 625 mm
Jib strut (for crane)	190 kg	3,700 mm x 670 mm x 500 mm
Auxiliary sheave	140 kg	1,325 mm x 540 mm x 1,285 mm
Upper spreader for boom hoist	280 kg	1,460 mm x 300 mm x 630 mm
Upper spreader for tower jib	225 kg	640 mm x 610 mm x 775 mm
Lower spreader for tower jib	335 kg	1,350 mm x 450 mm x 930 mm
55-ton hook	650 kg	590 mm x 435 mm x 1,470 mm
32-ton hook	500 kg	590 mm x 330 mm x 1,530 mm
19-ton hook	400 kg	590 mm x 385 mm x 1,270 mm
7-ton ball hook	160 kg	ø 300 mm x 815 mm

Note: Estimated weights may vary ± 2%.



HYDRAULIC CRAWLER CRANE

7055

Standard Equipment

Upper structure/Lower structure

Counterweight: 15.2 ton (total weight)
760 mm shoe crawlers
Batteries (2-12V,136 Ah/5 HR)
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)
Cable roller (for boom)
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 (two positions)
Swing flashers/warning buzzer

Note: Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

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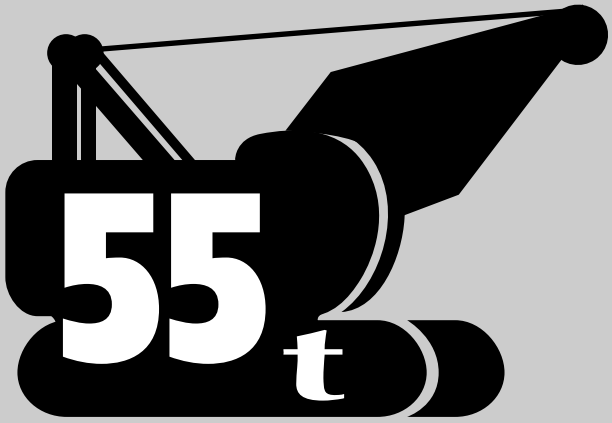


Mastertech 7055

型式名 7055-3F

クローラクレーン

最大定格総荷重55t×3.7m

クローラクレーン

ラッフィングタワー

アタッチメント

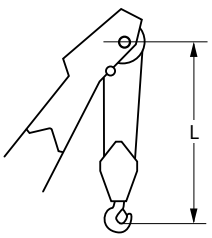
KOBELCO

▶主要諸元（型式：7055-3F）

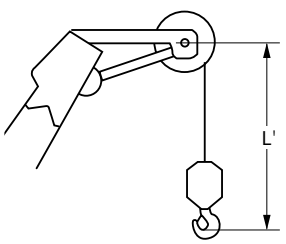
項目＼仕様			クローラクレーン	ラッフィングタワー
最大つり上げ能力		t×m	55×3.7	12×10.0
ブーム（タワー）長さ		m	9.1～51.8	21.0～42.4
ジブ（タワージブ）長さ		m	6.1～18.3	16.8～29.0
最大ブーム（タワー）+ジブ（タワージブ）長さ		m	42.7＋12.2	42.4＋29.0
			39.6＋18.3	
ロープ速度	主巻	巻上・巻下 m/min	*120～3	
	補巻	巻上・巻下 m/min	*120～3	－
	タワージブ起伏	巻上・巻下 m/min	－	*90～3
	サード（オプション）	巻上・巻下 m/min	*120～3	
	ブーム（タワー）起伏	巻上・巻下 m/min	*70～2	
旋回速度		min-1{rpm}	4.0 {4.0}	
走行速度		km/h	*2.4／1.5	
作業時質量（基本姿勢）		t	56.7	60.6
接地圧（基本姿勢）		kPa{kgf/cm²}	72.3 {0.74}	77.3 {0.79}
登坂能力（tanθ）		%（度）	40（21.8）	－
定格ラインプル		kN{tf}	68.6 {7.0}	－
エンジン	名称		日野J08E	
	定格出力	kW/min-1	159/2,000	
ワイヤロープ	主巻	mm	φ22	
	補巻（タワージブ）	mm	φ22	
	ブーム（タワー）	mm	φ16	

サードドラムはオプションです。
各ロープ速度はドラム１層目での値です。
＊印の速度は軽負荷の時の値であり、負荷により速度の変動があります。
単位は国際単位系のＳＩ単位で、{　} 内は従来表示です。

▶フック巻上限界（単位：mm）



使用フック	L
55tフック	3,860
32tフック	3,680
19tフック	3,600



使用フック	L'
7tボールフック	2,970

▶フロントアタッチメント装備品（クローラクレーン/ラッフィングタワー）

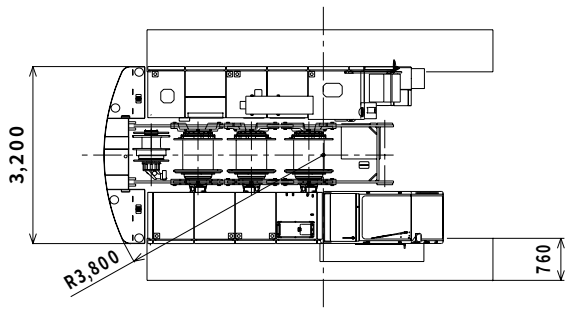
装　備　品	クローラクレーン	ラッフィングタワー
3.9m上部ブーム	○	－
タワーキャップ	－	○
5.2m下部ブーム（共用）	○	
3.0m中間ブーム（共用）	△	△
6.1m中間ブーム（ケーブルローラ付・共用）	△	○
9.1m中間ブーム（ケーブルローラ付・共用）	△	△
9.1mタワー専用中間ブーム	△兼用可	○
3.0m上部ジブ	△	－
3.0m下部ジブ	△	－
6.1m中間ジブ	△	－
3.1m上部タワージブ	－	○
4.6m下部タワージブ	－	○
3.0m中間タワージブ	－	○
6.1m中間タワージブ	－	○
55tフック（5枚シーブ）	○	－
32tフック（2枚シーブ）	△	－
19tフック（1枚シーブ）	△	○
7tボールフック	△	
補助シーブ	△	－
主巻ワイヤロープ（φ22×175m）	○	－
補巻ワイヤロープ（φ22×125m）	△	－
ブーム起伏ワイヤロープ（φ16×150m）	○	－
タワー主巻ワイヤロープ（φ22×220m）	－	○
タワージブ起伏ワイヤロープ（φ22×120m）	－	○
タワーブーム起伏ワイヤロープ（φ16×170m）	－	○
最長タワー自立用ウエイト（3.3t）	－	△
タワー上部ジブ先端ウエイト（300kg）*1	－	△
自立用敷板	－	△
下部ブームサイドステップ	○	－
中間ブームサイドステップ	△	－
風速計	△	△
警報付風速計	－	○
ブーム背面足場（鉄製またはアルミ製）	△	
ブーム上面脱着式手摺（スタンションバー）	△	
ブーム看板（上部ブーム用、中間ブーム用）	△	
上部スプレッダ自動格納装置	○	－
上部ブーム腹面保護材	△	－
リフマグ・クラムセル専用ガイケーブル	△	－

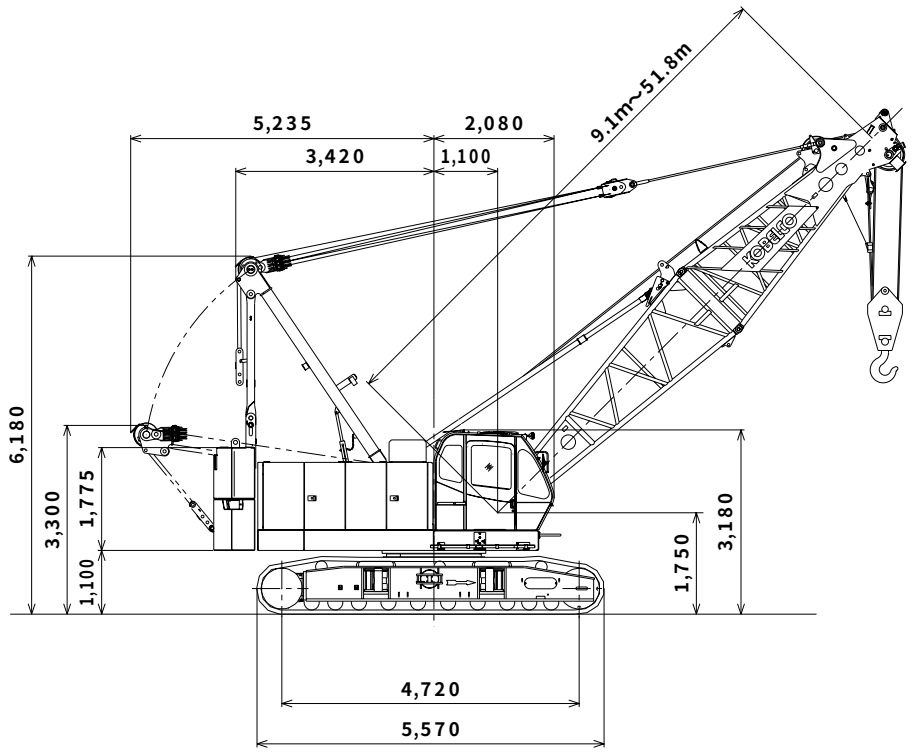
○印は標準仕様、△印はオプション設定を示します。
＊1　タワージブ長さ16.8mにて19tフックを使用する場合とタワージブ長さ19.8mにて7tボールフックを使用する場合は、タワー上部ジブ先端ウエイト（300kg）を取り付けて下さい。

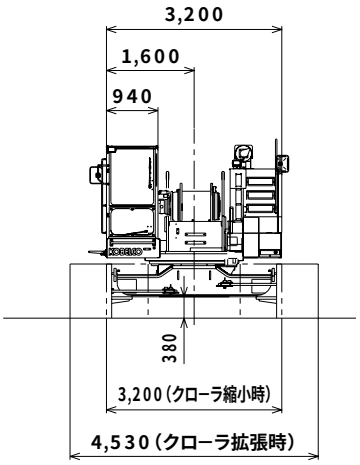
クローラクレーン

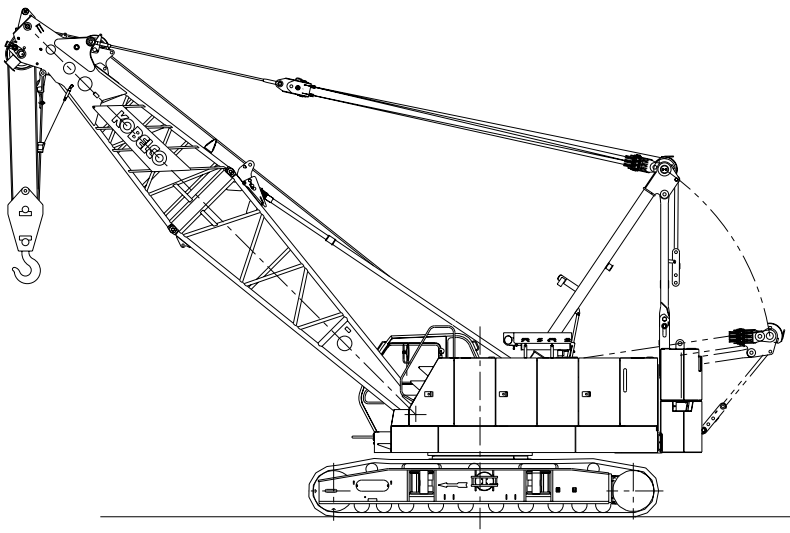
▶全体図(単位：mm)

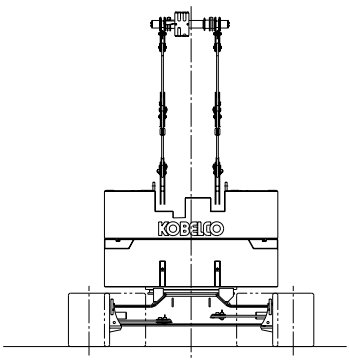
縮尺：約1/120











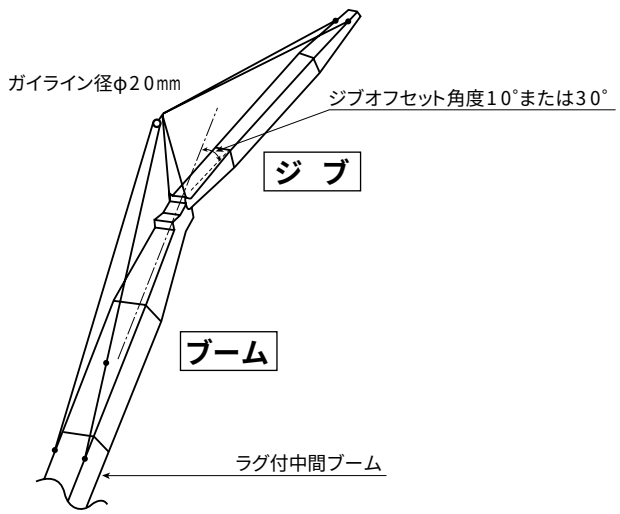
▶ブーム構成

- 下記の場合は6.1mまたは9.1mラグ付中間ブームが1本必要です。
  1）ジブ付の場合
  2）39.6m以上のブームで補助クレーンを使用せずに組立てる場合。
- △ 印は、ラグ付中間ブームでジブ使用時のガイライン取付位置を示します。
- ※印は、これより短いブームの組立可能な構成を示します。
- 使用するガイラインの径はφ30㎜です。

中間ブームの種類		
記　号	ブーム長さ	仕　様
3.0	3.0m	ラグ無
6.1	6.1m	ラグ無
9.1	9.1m	ラグ無
6.1A	6.1m	ラグ付
9.1A	9.1m	ラグ付

ブーム長さ m (ft.)	ブーム構成	
	(3.0m+6.1m+9.1m)中間ブーム構成	(3.0m+6.1m)中間ブーム構成
9.1 (30)	下 5.2 上 3.9	
12.2 (40)	※ 下 3.0 上	
15.2 (50)	下 6.1 上 ※ 下 3.0 3.0 上	
18.3 (60)	下 9.1 上	※ 下 3.0 6.1 上
21.3 (70)	下 3.0 9.1 上	下 6.1 6.1 上 ※ 下 3.0 3.0 6.1 上
24.4 (80)	下 6.1 9.1 上 下 3.0 3.0 9.1 上	※ 下 3.0 6.1 6.1 上
27.4 (90)	※ 下 3.0 6.1 9.1 上 下 9.1 9.1 上	下 6.1 6.1 6.1 上 ※ 下 3.0 3.0 6.1 6.1 上
30.5 (100)	下 6.1 6.1A 9.1 上 ※ 下 3.0 3.0 6.1A 9.1 上 下 3.0 9.1A 9.1 上	下 3.0 3.0 3.0 6.1A 6.1 上 ※ 下 3.0 6.1 6.1A 6.1 上
33.5 (110)	下 6.1 9.1A 9.1 上 ※ 下 3.0 6.1 6.1A 9.1 上 下 3.0 3.0 9.1A 9.1 上	下 6.1 6.1 6.1A 6.1 上 ※ 下 3.0 3.0 6.1 6.1A 6.1 上
36.6 (120)	※ 下 3.0 6.1 9.1A 9.1 上 下 3.0 3.0 6.1 6.1A 9.1 上 下 9.1 9.1A 9.1 上	※ 下 3.0 6.1 6.1 6.1A 6.1 上 下 3.0 3.0 3.0 6.1 6.1A 6.1 上

ブーム長さ m (ft.)	ブーム構成	
	(3.0m+6.1m+9.1m)中間ブーム構成	(3.0m+6.1m)中間ブーム構成
39.6 (130)	下 6.1 6.1 9.1A 9.1 上 下 3.0 3.0 6.1 9.1A 9.1 上 ※ 下 3.0 6.1 6.1 6.1A 9.1 上	下 6.1 6.1 6.1 6.1A 6.1 上 ※ 下 3.0 3.0 6.1 6.1 6.1A 6.1 上
42.7 (140)	※ 下 3.0 6.1 6.1 9.1A 9.1 上 下 3.0 3.0 6.1 6.1 6.1A 9.1 上	※ 下 3.0 6.1 6.1 6.1 6.1A 6.1 上 下 3.0 3.0 3.0 6.1 6.1 6.1A 6.1 上
45.7 (150)	下 6.1 6.1 6.1 9.1A 9.1 上 ※ 下 3.0 3.0 6.1 6.1 9.1A 9.1 上	下 6.1 6.1 6.1 6.1 6.1A 6.1 上 ※ 下 3.0 3.0 6.1 6.1 6.1 6.1A 6.1 上
48.8 (160)	下 6.1 6.1 9.1 9.1A 9.1 上 ※ 下 3.0 6.1 6.1 6.1 9.1A 9.1 上	※ 下 3.0 6.1 6.1 6.1 6.1 6.1A 6.1 上 下 3.0 3.0 3.0 6.1 6.1 6.1 6.1A 6.1 上
51.8 (170)	※ 下 3.0 3.0 6.1 6.1 6.1 9.1A 9.1 上	※ 下 3.0 3.0 6.1 6.1 6.1 6.1A 6.1 6.1 上 下 6.1 6.1 6.1 6.1 6.1A 6.1 6.1 上



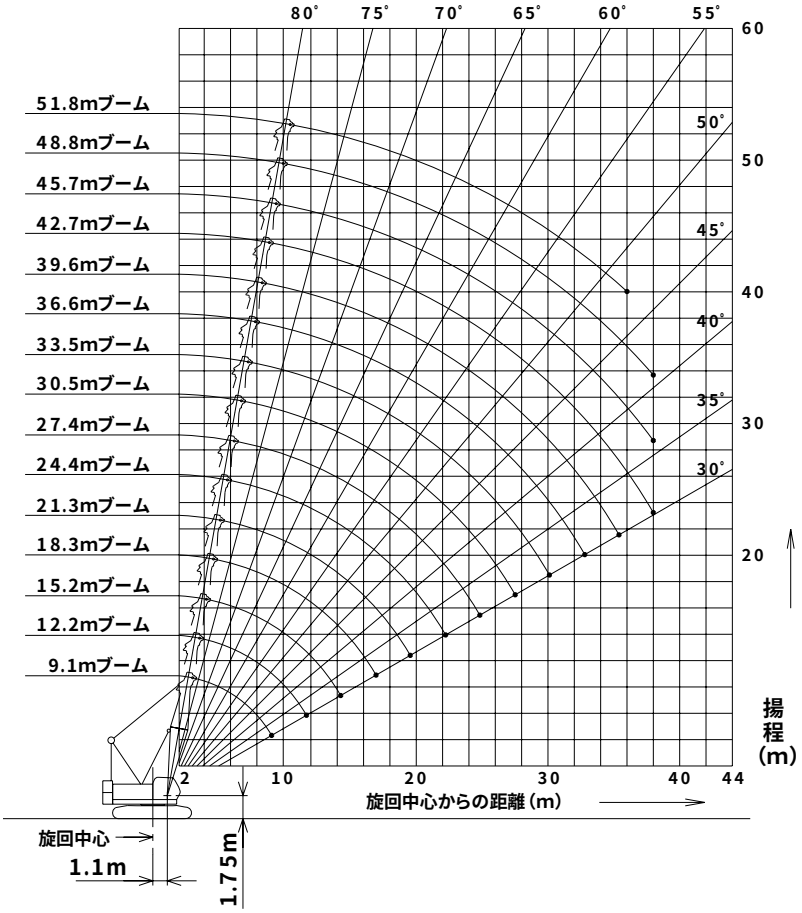
▶ジブ構成

- ジブを装着できる主ブームの長さは、30.5m (100) ～42.7m (140) です。
- ジブを装着する場合には6.1mまたは9.1mラグ付き中間ブームが1本必要です。

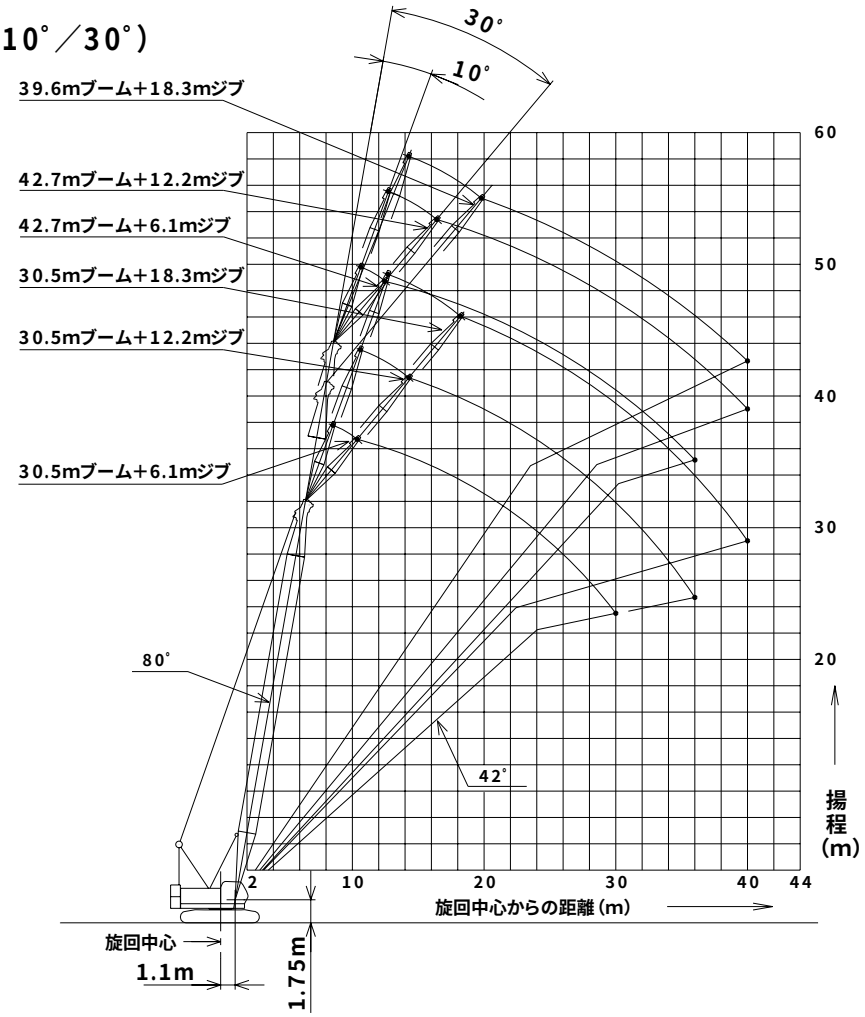
ジブ長さ m (ft.)	ジ ブ 構 成
6.1 (20)	下 上 3.05 3.05
12.2 (40)	下 6.1 上
18.3 (60)	下 6.1 6.1 上

▶作動範囲図

◪主ブーム



◪ジブ装着（オフセット角度10°／30°）



▶定格総荷重

- 定格総荷重とは、水平堅土上における転倒荷重の78%以内で、フックブロック、玉掛用ワイヤロープ等のつり具の質量を含んだ値です。
- 作業半径とはクレーン旋回中心よりつり上荷重の重心までの水平距離を意味します。
- 実際につり上げ得る荷重は定格総荷重から（フック＋玉掛用ワイヤロープ等のつり具）の質量を差し引いた値になります。
- 定格総荷重をつる場合にも風の影響、地盤の状態、作業速度その他安全作業に有害な状況がある時はオペレータは荷重の軽減、作業速度を遅くするなど状況に応じた判断をする責任があります。
- 表中の空欄の個所では作業を行うことができません。
- クレーン作業中には必ずクローラを規定位置まで張り出し、ガントリを最高位置に立ててください。
- すべてのブーム（ジブ）長さにおける中間ブーム（ジブ）の構成は取扱説明書の指示を厳守してください。
- 主ブームにジブまたは補助シーブを取り付けたままで主フックを使用する場合の定格総荷重は、主ブーム定格総荷重から、ジブの長さおよび補助シーブに応じて次の値（ジブまたは補助シーブ用フックの質量を含む）を差し引いてください。ただし最小定格総荷重は1.1tとします。

ジブ長さ　m(ft.)	6.1(20)	12.2(40)	18.3(60)	補助シーブ
差し引く値　t	1.1	1.6	2.1	0.5

実際につり上げる得る荷重は、主ブームの定格総荷重からさらに〔主フック＋玉掛け用ワイヤロープ等のつり具〕の質量を差し引いた値になります。

- 巻上げロープ巻掛本数に対する最大巻上荷重とフックの質量

フック呼称	巻上許容最大荷重（t）								フック質量
	1本掛	2本掛	3本掛	4本掛	5本掛	6本掛	7本掛	8本掛	
55t	—	—	21.0	28.0	35.0	42.0	49.0	55.0	0.65t
32t	—	—	21.0	28.0	32.0	—	—	—	0.50t
19t	—	14.0	19.0	—	—	—	—	—	0.40t
7t ボールフック	7.0	—	—	—	—	—	—	—	0.16t

- 補助シーブを装着できる主ブーム長さは、9.1m（30）～48.8m（160）です。
- ジブを装着できる主ブーム長さは、30.5m（100）～42.7m（140）です。
- ジブを装着する場合、あるいは39.6m以上の主ブーム長さで自己機組立する場合は、ラグ付中間ブーム（6.1mまたは9.1m）を必要とします。
- ブームの自立は、原則としてクローラ前方で行ってください。

⚠操作ミスなどによるつり荷の落下を防ぐため、クレーン作業では自由降下（フリーフォール）作業は行わないでください。

▶主ブーム定格総荷重表

(単位:t)

ブーム長さ(m) / 作業半径(m)	9.1	12.2	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8
3.0	55.0	55.0/3.5m													
3.7	55.0	55.0													
4.0	50.7	50.7	50.7/4.0m	44.3/4.5m											
5.0	38.5	38.4	38.3	38.3	37.7/5.0m	31.6/5.6m									
6.0	28.7	28.6	28.5	28.5	28.4	28.4	27.6/6.1m	24.2/6.6m							
7.0	22.8	22.7	22.6	22.6	22.5	22.4	22.4	22.3	21.3/7.2m	19.2/7.7m					
8.0	18.9	18.8	18.6	18.6	18.5	18.5	18.4	18.4	18.3	18.2	17.4/8.2m	15.8/8.7m			
9.0	16.1	15.9	15.8	15.8	15.7	15.6	15.6	15.5	15.4	15.4	15.3	15.2	13.2/9.3m	13.2/9.8m	
10.0	15.9/9.1m	13.8	13.7	13.6	13.5	13.5	13.4	13.4	13.3	13.2	13.1	13.1	13.0	12.9	11.8/10.3m
12.0		11.2/11.7m	10.7	10.7	10.6	10.5	10.4	10.4	10.3	10.2	10.1	10.0	10.0	9.9	9.8
14.0			8.8	8.7	8.6	8.5	8.4	8.4	8.3	8.2	8.1	8.0	8.0	7.9	7.8
16.0			8.5/14.4m	7.3	7.2	7.1	7.0	7.0	6.9	6.8	6.7	6.6	6.5	6.5	6.3
18.0				6.8/17.0m	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.5	5.4	5.3
20.0					5.4/19.7m	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4
22.0						4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.9	3.7
24.0						4.5/22.3m	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2
26.0							3.8/24.9m	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
28.0								3.1/27.6m	3.0	2.9	2.8	2.7	2.6	2.5	2.4
30.0									2.6	2.5	2.4	2.3	2.2	2.1	2.0
32.0									2.5/30.2m	2.3	2.2	2.1	2.0	1.9	1.8
34.0										2.1/32.9m	1.9	1.8	1.7	1.6	1.5
36.0											1.7/35.5m	1.5	1.4	1.3	1.1/36.0m
38.0												1.3/38.0m	1.2/38.0m	1.1/38.0m	
ロープ掛数	8	8	8	7	6	5	4	4	4	3	3	3	2	2	2

※表中の太線で囲まれた部分は、ブーム等の強度によって定められた値です。

▶補助シーブ定格総荷重表(主ブームに55tフック装着)

(単位:t)

ブーム長さ(m) / 作業半径(m)	9.1	12.2	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8
3.8	7.0/3.8m													
4.0	7.0	7.0/4.3m	7.0/4.8m											
5.0	7.0	7.0	7.0	7.0/5.4m	7.0/5.9m									
6.0	7.0	7.0	7.0	7.0	7.0	7.0/6.4m	7.0/6.9m							
7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0/7.5m						
8.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0/8.0m	7.0/8.5m				
9.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0/9.1m	7.0/9.6m		
10.0	7.0/9.1m	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0/10.1m	7.0/10.6m
12.0		7.0/11.7m	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
14.0			7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
16.0			7.0/14.4m	6.3	6.2	6.1	6.0	6.0	5.9	5.8	5.7	5.6	5.5	5.5
18.0				5.8/17.0m	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.5	4.4
20.0					4.4/19.7m	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.5
22.0						3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.9
24.0						3.5/22.3m	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3
26.0							2.8/24.9m	2.4	2.3	2.2	2.1	2.0	1.9	1.8
28.0								2.1/27.6m	2.0	1.9	1.8	1.7	1.6	1.5
30.0									1.6	1.5	1.4	1.3	1.2/30.0m	1.1/30.0m
32.0									1.5/30.2m	1.3	1.2/32.0m	1.1/32.0m		
34.0										1.1/32.9m				

※表中の太線で囲まれた部分は、ブーム等の強度によって定められた値です。

▶補助シーブ定格総荷重表(主ブームに32tフック装着)

(単位:t)

ブーム長さ(m) / 作業半径(m)	9.1	12.2	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8
3.8	7.0/3.8m													
4.0	7.0	7.0/4.3m	7.0/4.8m											
5.0	7.0	7.0	7.0	7.0/5.4m	7.0/5.9m									
6.0	7.0	7.0	7.0	7.0	7.0	7.0/6.4m	7.0/6.9m							
7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0/7.5m						
8.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0/8.0m	7.0/8.5m				
9.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0/9.1m	7.0/9.6m		
10.0	7.0/9.1m	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0/10.1m	7.0/10.6m
12.0		7.0/11.7m	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
14.0			7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
16.0			7.0/14.4m	6.5	6.4	6.3	6.2	6.2	6.1	6.0	5.9	5.8	5.7	5.7
18.0				6.0/17.0m	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.7	4.6
20.0					4.6/19.7m	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7
22.0						3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.1
24.0						3.7/22.3m	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5
26.0							3.0/24.9m	2.6	2.5	2.4	2.3	2.2	2.1	2.0
28.0								2.3/27.6m	2.2	2.1	2.0	1.9	1.8	1.7
30.0									1.8	1.7	1.6	1.5	1.4	1.3
32.0									1.7/30.2m	1.5	1.4	1.3/32.0m	1.2/32.0m	1.1/32.0m
34.0										1.3/32.9m	1.1/34.0m			

※表中の太線で囲まれた部分は、ブーム等の強度によって定められた値です。

▶補助シーブ定格総荷重表(主ブームに19tフック装着)

(単位:t)

ブーム長さ(m) / 作業半径(m)	9.1	12.2	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8
3.8	7.0/3.8m													
4.0	7.0	7.0/4.3m	7.0/4.8m											
5.0	7.0	7.0	7.0	7.0/5.4m	7.0/5.9m									
6.0	7.0	7.0	7.0	7.0	7.0	7.0/6.4m	7.0/6.9m							
7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0/7.5m						
8.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0/8.0m	7.0/8.5m				
9.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0/9.1m	7.0/9.6m		
10.0	7.0/9.1m	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0/10.1m	7.0/10.6m
12.0		7.0/11.7m	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
14.0			7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
16.0			7.0/14.4m	6.6	6.5	6.4	6.3	6.3	6.2	6.1	6.0	5.9	5.8	5.8
18.0				6.1/17.0m	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.8	4.7
20.0					4.7/19.7m	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8
22.0						3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.2
24.0						3.8/22.3m	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6
26.0							3.1/24.9m	2.7	2.6	2.5	2.4	2.3	2.2	2.1
28.0								2.4/27.6m	2.3	2.2	2.1	2.0	1.9	1.8
30.0									1.9	1.8	1.7	1.6	1.5	1.4
32.0									1.8/30.2m	1.6	1.5	1.4	1.3/32.0m	1.2/32.0m
34.0										1.4/32.9m	1.2/34.0m	1.1/34.0m		

※表中の太線で囲まれた部分は、ブーム等の強度によって定められた値です。

▶補助シーブ定格総荷重表(主ブームにフックなし)

(単位:t)

ブーム長さ(m) / 作業半径(m)	9.1	12.2	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8
3.8	7.0/3.8m													
4.0	7.0	7.0/4.3m	7.0/4.8m											
5.0	7.0	7.0	7.0	7.0/5.4m	7.0/5.9m									
6.0	7.0	7.0	7.0	7.0	7.0	7.0/6.4m	7.0/6.9m							
7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0/7.5m						
8.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0/8.0m	7.0/8.5m				
9.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0/9.1m	7.0/9.6m		
10.0	7.0/9.1m	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0/10.1m	7.0/10.6m
12.0		7.0/11.7m	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
14.0			7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
16.0			7.0/14.4m	7.0	6.9	6.8	6.7	6.7	6.6	6.5	6.4	6.3	6.2	6.2
18.0				6.5/17.0m	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.2	5.1
20.0					5.1/19.7m	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2
22.0						4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.6
24.0						4.2/22.3m	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0
26.0							3.5/24.9m	3.1	3.0	2.9	2.8	2.7	2.6	2.5
28.0								2.8/27.6m	2.7	2.6	2.5	2.4	2.3	2.2
30.0									2.3	2.2	2.1	2.0	1.9	1.8
32.0									2.2/30.2m	2.0	1.9	1.8	1.7	1.6
34.0										1.8/32.9m	1.6	1.5	1.4	1.3/34.0m
36.0											1.4/36.0m	1.2/36.0m	1.1/36.0m	

※表中の太線で囲まれた部分は、ブーム等の強度によって定められた値です。

▶ジブ定格総荷重表（19tまたは32t主フック装着／ジブオフセット角度10°）

(単位:t)

ブーム長さ(m)	30.5			33.5			36.6			39.6			42.7	
作業半径(m) ＼ ジブ長さ(m)	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2
9.0	7.0			7.0										
10.0	7.0			7.0			7.0			7.0				
12.0	7.0	7.0	4.5	7.0	7.0		7.0	7.0		7.0			7.0	
14.0	7.0	7.0	4.5	7.0	7.0	4.5	7.0	7.0	4.5	7.0	7.0	4.5	7.0	6.6
16.0	6.6	6.9	4.5	6.6	6.8	4.5	6.6	6.8	4.5	6.6	6.7	4.5	6.5	6.3
18.0	5.7	6.0	4.5	5.6	5.9	4.5	5.5	5.8	4.5	5.4	5.7	4.5	5.3	5.6
20.0	4.8	5.1	4.5	4.7	5.0	4.5	4.6	4.9	4.5	4.5	4.8	4.5	4.4	4.7
22.0	4.1	4.4	4.5	4.0	4.3	4.4	3.9	4.2	4.3	3.8	4.1	4.2	3.7	4.0
24.0	3.6	3.8	3.9	3.4	3.7	3.8	3.4	3.6	3.7	3.2	3.5	3.6	3.1	3.4
26.0	3.1	3.3	3.4	2.9	3.2	3.3	2.9	3.1	3.2	2.7	3.0	3.1	2.6	2.9
28.0	2.7	2.9	3.0	2.5	2.8	2.9	2.4	2.7	2.8	2.3	2.6	2.7	2.1	2.4
30.0	2.3	2.5	2.7	2.1	2.4	2.5	2.0	2.3	2.5	1.8	2.2	2.3	1.7	2.0
32.0	1.9	2.2	2.4	1.8	2.1	2.2	1.7	2.0	2.1	1.5	1.8	1.9	1.4	1.7
34.0		1.9	2.1	1.5	1.7	1.9	1.3	1.6	1.8	1.2	1.5	1.6		1.3
36.0		1.6	1.8	1.2	1.5	1.6	1.1	1.4	1.5		1.2	1.3		1.1
38.0		1.4	1.6		1.2	1.4		1.1	1.3			1.1		
40.0			1.3			1.2								

※表中の太線で囲まれた部分は、ブーム等の強度によって定められた値です。

▶ジブ定格総荷重表（19tまたは32t主フック装着／ジブオフセット角度30°）

(単位:t)

ブーム長さ(m)	30.5			33.5			36.6			39.6			42.7	
作業半径(m) ＼ ジブ長さ(m)	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2
12.0	7.0			7.0			7.0			7.0				
14.0	7.0			7.0			7.0			7.0			6.6	
16.0	6.9	5.0		6.8	5.0		6.7	5.0		6.6			6.4	
18.0	5.9	5.0	3.2	5.8	5.0		5.8	5.0		5.7	5.0		5.6	4.4
20.0	5.0	5.0	3.2	4.9	5.0	3.2	4.8	5.0	3.2	4.7	5.0	3.2	4.7	4.3
22.0	4.3	4.7	3.2	4.2	4.6	3.2	4.1	4.5	3.2	4.0	4.5	3.2	3.9	4.1
24.0	3.7	4.1	3.2	3.6	4.0	3.2	3.5	3.9	3.2	3.4	3.8	3.2	3.3	3.7
26.0	3.2	3.5	3.2	3.1	3.4	3.2	3.0	3.4	3.2	2.9	3.3	3.2	2.8	3.2
28.0	2.7	3.1	3.2	2.6	3.0	3.2	2.6	2.9	3.2	2.4	2.8	3.1	2.3	2.8
30.0	2.4	2.7	2.9	2.2	2.6	2.8	2.1	2.5	2.8	2.0	2.4	2.7	1.9	2.3
32.0		2.4	2.6	1.8	2.3	2.5	1.7	2.2	2.4	1.6	2.1	2.3	1.5	1.9
34.0		2.1	2.3		1.9	2.2	1.4	1.8	2.1	1.3	1.7	2.0	1.2	1.6
36.0		1.8	2.0		1.6	1.9		1.5	1.8		1.4	1.7		1.3
38.0			1.8		1.3	1.6		1.3	1.5		1.1	1.4		
40.0			1.5			1.4			1.3			1.2		

※表中の太線で囲まれた部分は、ブーム等の強度によって定められた値です。

▶ジブ定格総荷重表（主フックなし／ジブオフセット角度10°）

（単位：t）

ブーム長さ(m)	30.5			33.5			36.6			39.6			42.7	
作業半径(m) ＼ ジブ長さ(m)	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2
9.0	7.0			7.0										
10.0	7.0			7.0			7.0			7.0				
12.0	7.0	7.0	4.5	7.0	7.0		7.0	7.0		7.0			7.0	
14.0	7.0	7.0	4.5	7.0	7.0	4.5	7.0	7.0	4.5	7.0	7.0	4.5	7.0	6.9
16.0	6.9	7.0	4.5	6.8	7.0	4.5	6.7	7.0	4.5	6.6	6.9	4.5	6.6	6.5
18.0	6.0	6.2	4.5	5.9	6.1	4.5	5.8	6.1	4.5	5.7	6.0	4.5	5.6	5.9
20.0	5.1	5.3	4.5	5.0	5.2	4.5	4.9	5.2	4.5	4.8	5.1	4.5	4.7	5.0
22.0	4.4	4.6	4.5	4.3	4.5	4.5	4.2	4.4	4.5	4.1	4.3	4.4	4.0	4.3
24.0	3.8	4.0	4.1	3.7	3.9	4.0	3.7	3.9	3.9	3.5	3.8	3.8	3.5	3.7
26.0	3.4	3.6	3.6	3.2	3.4	3.5	3.2	3.4	3.4	3.1	3.3	3.3	3.0	3.2
28.0	3.0	3.1	3.2	2.8	3.0	3.1	2.8	3.0	3.0	2.7	2.8	2.9	2.5	2.8
30.0	2.6	2.8	2.9	2.5	2.7	2.8	2.4	2.6	2.7	2.3	2.5	2.6	2.1	2.4
32.0	2.3	2.5	2.6	2.2	2.4	2.5	2.1	2.3	2.4	1.9	2.2	2.3	1.8	2.0
34.0		2.2	2.3	1.9	2.1	2.2	1.8	2.0	2.1	1.6	1.8	1.9	1.5	1.7
36.0		2.0	2.1	1.6	1.8	1.9	1.5	1.7	1.8	1.3	1.6	1.7	1.2	1.4
38.0		1.7	1.8		1.6	1.7	1.2	1.5	1.6	1.1	1.3	1.4		1.2
40.0			1.6		1.4	1.5		1.2	1.4		1.1	1.2		

※表中の太線で囲まれた部分は、ブーム等の強度によって定められた値です。

▶ジブ定格総荷重表（主フックなし／ジブオフセット角度30°）

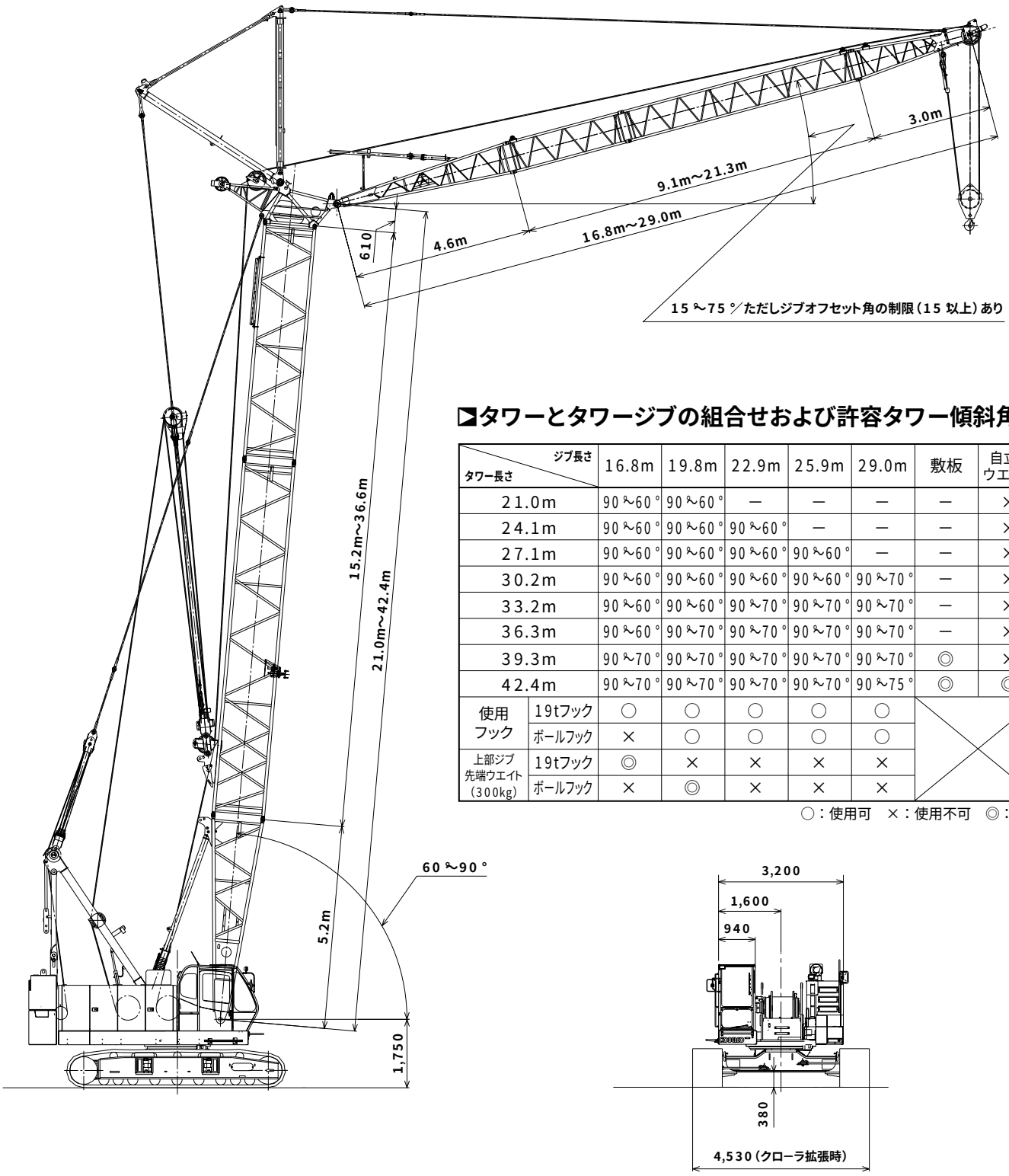
（単位：t）

ブーム長さ(m)	30.5			33.5			36.6			39.6			42.7	
作業半径(m) ＼ ジブ長さ(m)	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2
12.0	7.0			7.0			7.0			7.0				
14.0	7.0			7.0			7.0			7.0			6.8	
16.0	7.0	5.0		7.0	5.0		7.0	5.0		6.9			6.6	
18.0	6.2	5.0	3.2	6.1	5.0		6.0	5.0		5.9	5.0		5.9	4.6
20.0	5.3	5.0	3.2	5.2	5.0	3.2	5.1	5.0	3.2	5.0	5.0	3.2	4.9	4.4
22.0	4.5	4.9	3.2	4.4	4.8	3.2	4.4	4.7	3.2	4.3	4.7	3.2	4.2	4.3
24.0	3.9	4.2	3.2	3.8	4.2	3.2	3.8	4.1	3.2	3.7	4.0	3.2	3.6	4.0
26.0	3.4	3.7	3.2	3.3	3.6	3.2	3.3	3.6	3.2	3.2	3.5	3.2	3.1	3.4
28.0	3.0	3.3	3.2	2.9	3.2	3.2	2.9	3.1	3.2	2.7	3.1	3.2	2.7	3.0
30.0	2.7	2.9	3.1	2.6	2.8	3.0	2.5	2.8	3.0	2.4	2.7	2.9	2.3	2.6
32.0		2.6	2.8	2.2	2.5	2.7	2.2	2.4	2.6	2.0	2.3	2.5	1.9	2.3
34.0		2.3	2.5		2.2	2.4	1.8	2.1	2.3	1.7	2.0	2.2	1.6	1.9
36.0		2.0	2.2		1.9	2.1		1.9	2.1	1.4	1.7	2.0	1.3	1.6
38.0			2.0		1.7	1.9		1.6	1.8	1.1	1.5	1.7		1.3
40.0			1.8			1.7		1.3	1.6		1.2	1.4		1.1

※表中の太線で囲まれた部分は、ブーム等の強度によって定められた値です。

ラッフィングタワー

▶全体図(単位：mm)



◪タワーとタワージブの組合せおよび許容タワー傾斜角度

タワー長さ ＼ ジブ長さ		16.8m	19.8m	22.9m	25.9m	29.0m	敷板	自立用ウエイト
21.0m		90°~60°	90°~60°	—	—	—	—	×
24.1m		90°~60°	90°~60°	90°~60°	—	—	—	×
27.1m		90°~60°	90°~60°	90°~60°	90°~60°	—	—	×
30.2m		90°~60°	90°~60°	90°~60°	90°~60°	90°~70°	—	×
33.2m		90°~60°	90°~60°	90°~70°	90°~70°	90°~70°	—	×
36.3m		90°~60°	90°~70°	90°~70°	90°~70°	90°~70°	—	×
39.3m		90°~70°	90°~70°	90°~70°	90°~70°	90°~70°	◎	×
42.4m		90°~70°	90°~70°	90°~70°	90°~70°	90°~75°	◎	◎
使用フック	19tフック	○	○	○	○	○		
	ボールフック	×	○	○	○	○		
上部ジブ先端ウエイト（300kg）	19tフック	◎	×	×	×	×		
	ボールフック	×	◎	×	×	×		

○：使用可　×：使用不可　◎：必要

▶タワー構成

- ※印は、これより短いタワーの組立可能な構成を示します。
- 9.1Bは、クローラクレーンの中間ブームとしても使用できます。
- 下部ブーム直近の9.1m中間ブームには、9.1Bを使用してください。またタワーキャップ直近の中間タワーブームには、ラグ付を使用しないでください。
- 使用するガイラインの径はφ30㎜です。

中間タワーの種類		
記　号	タワー長さ	仕　様
3.0	3.0m	クレーンおよびタワー共用
6.1	6.1m	クレーンおよびタワー共用
9.1	9.1m	クレーンおよびタワー共用
9.1B	9.1m	タワー専用*（クレーンに兼用可能）

＊ スプレッダ受台付

タワー長さ m (ft.)	タワー構成 (3.0m+6.1m+9.1m)中間タワーブーム構成
21.0 (69)	下 9.1B 6.1 上　5.2　0.6
24.1 (79)	※ 下 9.1B 3.0 6.1 上
27.1 (89)	※ 下 9.1B 3.0 3.0 6.1 上 下 9.1B 6.1 6.1 上
30.2 (99)	※ 下 9.1B 3.0 6.1 6.1 上 下 9.1B 6.1 9.1 上
33.2 (109)	※ 下 9.1B 3.0 3.0 6.1 6.1 上 下 9.1B 3.0 6.1 9.1 上
36.3 (119)	※ 下 9.1B 3.0 3.0 6.1 9.1 上 下 9.1B 6.1 6.1 9.1 上
39.3 (129)	※ 下 9.1B 3.0 6.1 6.1 9.1 上
42.4 (139)	※ 下 9.1B 3.0 3.0 6.1 6.1 9.1 上

▶タワージブ構成

- ※印は、これより短いタワージブの組立可能な構成を示します。
- ○印は、ケーブルローラ取付位置を示します。
- 使用するガイラインの径はφ28㎜です。

中間タワージブの種類		
記　号	タワージブ長さ	仕　様
3.0	3.0m	
6.1	6.1m	

タワー長さ m (ft.)	タワージブ構成
16.8 (55)	下 3.0 6.1 上　4.6　3.1
19.8 (65)	※ 下 3.0 3.0 6.1 上 下 6.1 6.1 上
22.9 (75)	※ 下 3.0 6.1 6.1 上
25.9 (85)	下 6.1 6.1 6.1 上 ※ 下 3.0 3.0 6.1 6.1 上
29.0 (95)	※ 下 3.0 6.1 6.1 6.1 上

▶定格総荷重

- 定格総荷重とは、水平堅土上における転倒荷重の７８%以内で、フックブロック、玉掛用ワイヤロープ等のつり具の質量を含んだ値です。
- 作業半径とはクレーン旋回中心よりつり上荷重の重心までの水平距離を意味します。
- 実際につり上げ得る荷重は定格総荷重から（主フック＋玉掛用ワイヤロープ等のつり具）の質量を差し引いた値になります。
- 定格総荷重をつる場合にも風の影響、地盤の状態、作業速度その他安全作業に有害な状況がある時はオペレータは荷重の軽減、作業速度を遅くするなど状況に応じた判断をする責任があります。
- 表中の空欄の個所では作業を行うことができません。
- クレーン作業中には必ずクローラを規定位置まで張り出し、ガントリを最高位置に立ててください。
- すべてのタワー（ジブ）長さにおける中間タワーブーム（ジブ）の構成は取扱説明書の指示を厳守してください。
- ジブ長さ１６.８mにて7tボールフックの使用はできません。
- ３９.３mタワーおよび４２.４mタワーの自立、降下の際には必ず自立用敷板を使用してください。さらに、４２.４mタワーの自立、降下の際には、必ず自立用ウエイト（3.3t）を使用してください。また、作業時には取り外してください。
- ジブ長さ１６.８mにて１９tフックを使用する場合と、ジブ長さ１９.８mにて7tボールフックを使用する場合は、タワー上部ジブ先端ウエイト（３００kg）を取り付けてください。

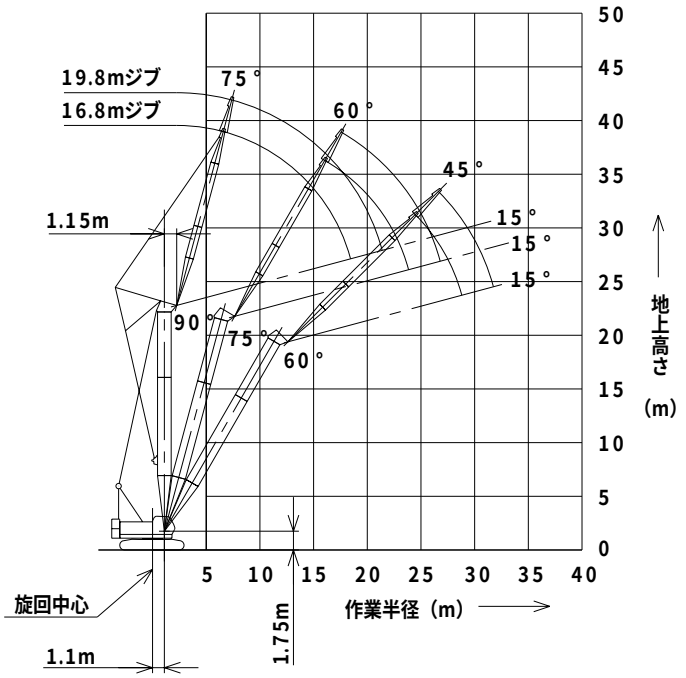
⚠操作ミスなどによるつり荷の落下を防ぐため、クレーン作業では自由降下（フリーフォール）作業は行わないでください。

- 巻上げロープ巻掛本数に対する最大巻上荷重とフックの質量

フック呼称		19t	7t ボールフック
最大巻上荷重（t）	1本掛	7.0	7.0
	2本掛	12.0	―
フック質量		0.40t	0.16t

定格総荷重の最大値はφ２２㎜ユニロープを使用した場合の値です。

▶タワー長さ 21.0m

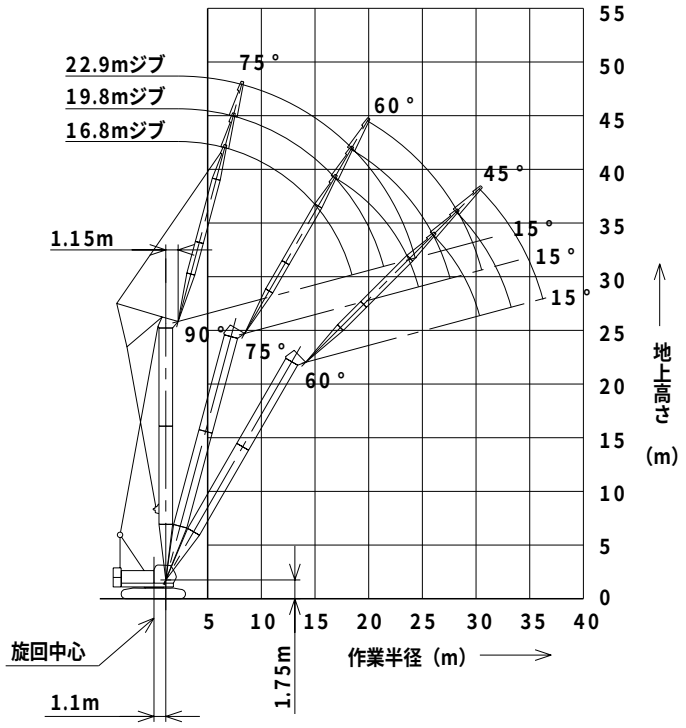


（単位:t）

タワー長さm		21.0					
ジブ長さm		16.8			19.8		
タワー角度		90°	75°	60°	90°	75°	60°
作業半径(m)	6.0	12.0/6.5m					
	7.0	12.0			12.0/7.3m		
	8.0	12.0			12.0		
	9.0	12.0			12.0		
	10.0	12.0			11.8		
	12.0	10.7			10.5		
	14.0	9.6	7.4/15.9m		9.4		
	16.0	8.2	7.3		8.1	6.5/17.5m	
	18.0	6.2	6.4		7.1	6.3	
	20.0	5.5/18.3m	5.6		5.9	5.5	
	22.0		5.0		4.6/21.3m	4.9	
	24.0		4.5/23.7m	3.8/24.4m		4.4	
	26.0			3.5		4.0	3.3/26.5m
	28.0			3.2		3.8/26.7m	3.1
	30.0			3.1/28.7m			2.8
	32.0						2.6/31.6m

※表中の太線で囲まれた部分は、ブーム等の強度によって定められた値です。

▶タワー長さ 24.1m

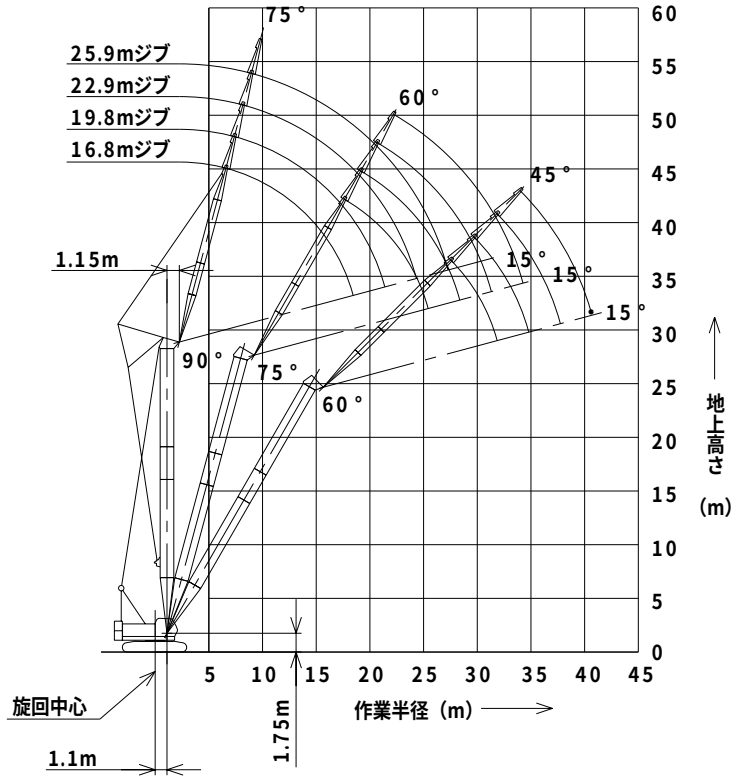


（単位：t）

タワー長さm		24.1								
ジブ長さm		16.8			19.8			22.9		
タワー角度		90°	75°	60°	90°	75°	60°	90°	75°	60°
作業半径(m)	6.0	12.0/6.5m								
	7.0	12.0			12.0/7.3m					
	8.0	12.0			12.0			11.5/8.1m		
	9.0	12.0			12.0			11.2		
	10.0	12.0			11.8			11.0		
	12.0	10.7			10.5			10.3		
	14.0	9.6			9.4			9.2		
	16.0	8.2	6.7/16.7m		8.1			8.1		
	18.0	6.2	6.2		7.2	6.0/18.3m		7.2	5.3/19.8m	
	20.0	5.5/18.3m	5.4		5.9	5.3		6.3	5.3	
	22.0		4.8		4.6/21.3m	4.7		5.3	4.7	
	24.0		4.3	3.3/25.9m		4.3		4.1	4.2	
	26.0		4.2/24.6m	3.2		3.8		3.9/24.2m	3.8	
	28.0			2.9		3.6/27.5m	2.8/28.1m		3.5	
	30.0			2.7			2.6		3.2	2.5/30.2m
	32.0			2.7/30.3m			2.4		3.1/30.4m	2.3
	34.0						2.3/33.2m			2.1
	36.0									2.0
	38.0									2.0/36.2m

※表中の太線で囲まれた部分は、ブーム等の強度によって定められた値です。

▶タワー長さ 27.1m

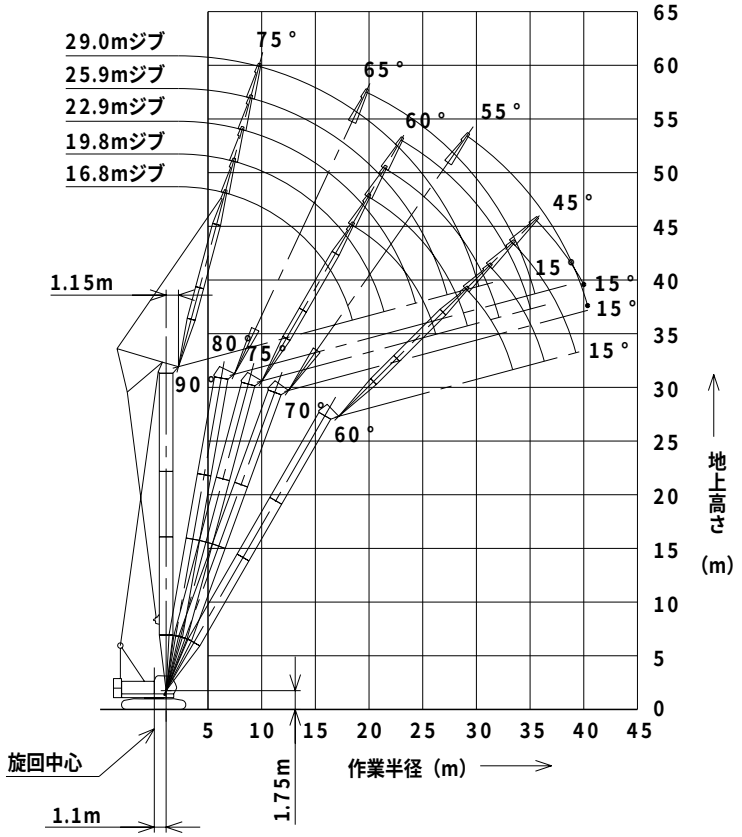


（単位：t）

タワー長さm		27.1											
ジブ長さm		16.8			19.8			22.9			25.9		
タワー角度		90°	75°	60°	90°	75°	60°	90°	75°	60°	90°	75°	60°
作業半径(m)	6.0	12.0/6.5m											
	7.0	12.0			12.0/7.3m								
	8.0	12.0			12.0			11.5/8.1m			8.6/8.9m		
	9.0	12.0			12.0			11.2			8.6		
	10.0	12.0			11.8			11.0			8.4		
	12.0	10.7			10.4			10.3			8.2		
	14.0	9.5			9.3			9.2			7.7		
	16.0	8.2	6.2/17.5m		8.1			8.1			7.1		
	18.0	6.2	6.0		7.2	5.5/19.0m		7.2			6.5		
	20.0	5.5/18.3m	5.3		5.9	5.2		6.3	4.9/20.6m		5.9		
	22.0		4.7		4.6/21.3m	4.6		5.3	4.5		5.3	4.4/22.1m	
	24.0		4.2			4.1		4.1	4.0		4.7	4.0	
	26.0		3.9/25.3m	2.8/27.4m		3.7		3.9/24.2m	3.7		4.0	3.6	
	28.0			2.7		3.4	2.4/29.6m		3.3		3.3/27.2m	3.2	
	30.0			2.5		3.3/28.3m	2.3		3.0	2.1/31.7m		3.0	
	32.0			2.3/31.8m			2.1		2.9/31.2m	2.0		2.7	1.7/33.9m
	34.0						1.9			1.9		2.5	1.7
	36.0						1.9/34.7m			1.7		2.5/34.2m	1.6
	38.0									1.6/37.6m			1.4
	40.0												1.3
	42.0												1.3/40.6m

※表中の太線で囲まれた部分は、ブーム等の強度によって定められた値です。

▶タワー長さ 30.2m

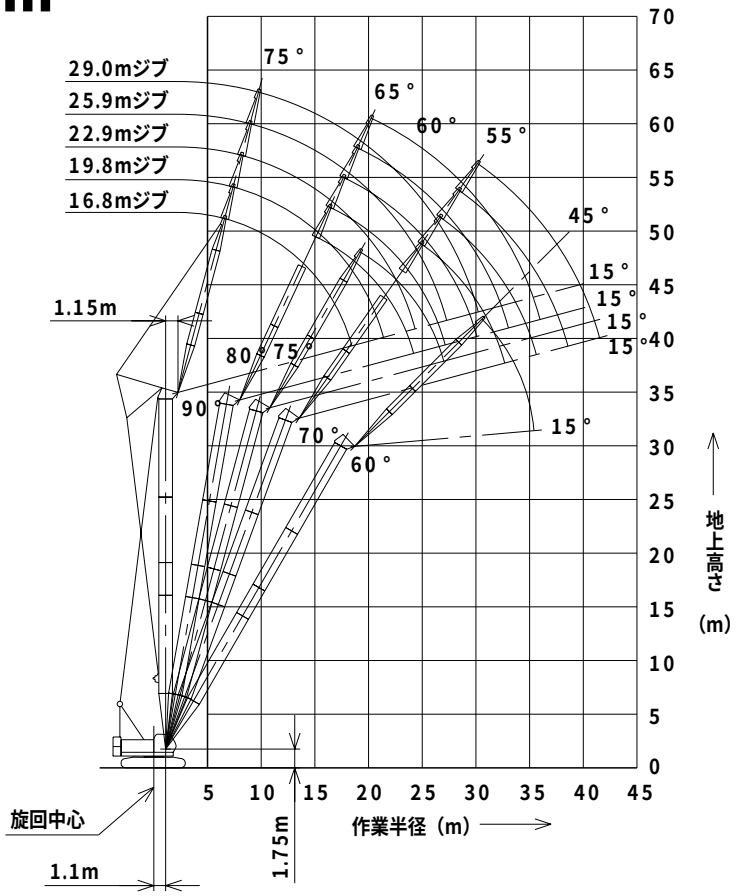


（単位：t）

タワー長さm		30.2														
ジブ長さm		16.8			19.8			22.9			25.9			29.0		
タワー角度		90°	75°	60°	90°	75°	60°	90°	75°	60°	90°	75°	60°	90°	80°	70°
作業半径(m)	6.0	12.0/6.5m														
	7.0	12.0			12.0/7.3m											
	8.0	12.0			12.0			11.5/8.1m			8.6/8.9m					
	9.0	12.0			12.0			11.2			8.6			6.2/9.7m		
	10.0	12.0			11.8			11.0			8.4			6.2		
	12.0	10.6			10.4			10.3			8.2			6.2		
	14.0	9.5			9.3			9.2			7.7			6.0		
	16.0	8.2			8.1			8.1			7.1			5.6		
	18.0	6.2	5.7/18.3m		7.2	5.0/19.8m		7.2			6.4			5.1	5.4/19.6m	
	20.0	5.5/18.3m	5.1		5.9	5.0		6.3	4.5/21.4m		5.9			4.6	5.2	
	22.0		4.5		4.6/21.3m	4.4		5.3	4.4		5.3	4.0/22.9m		4.2	4.6	
	24.0		4.0			4.0		4.1	3.9		4.7	3.8		3.8	4.1	
	26.0		3.7			3.6		3.9/24.2m	3.5		4.0	3.4		3.5	3.7	
	28.0		3.6/26.1m	2.3/28.9m		3.2			3.2		3.3/27.2m	3.1		3.2	3.4	2.6/29.0m
	30.0			2.2		3.1/29.1m	1.9/31.1m		2.9			2.8		2.8	3.1	2.5
	32.0			2.0			1.8		2.7/32.0m	1.6/33.3m		2.6		2.8/30.1m	2.8	2.3
	34.0			1.8/33.3m			1.7			1.6		2.4	1.3/35.4m		2.6	2.0
	36.0						1.5			1.4		2.3/34.9m	1.3		2.5/35.3m	1.9
	38.0						1.5/36.2m			1.3			1.2			1.7
	40.0									1.2/39.2m			1.1/40.0m			1.6
	42.0															1.5/40.4m

※表中の太線で囲まれた部分は、ブーム等の強度によって定められた値です。

▶タワー長さ 33.2m

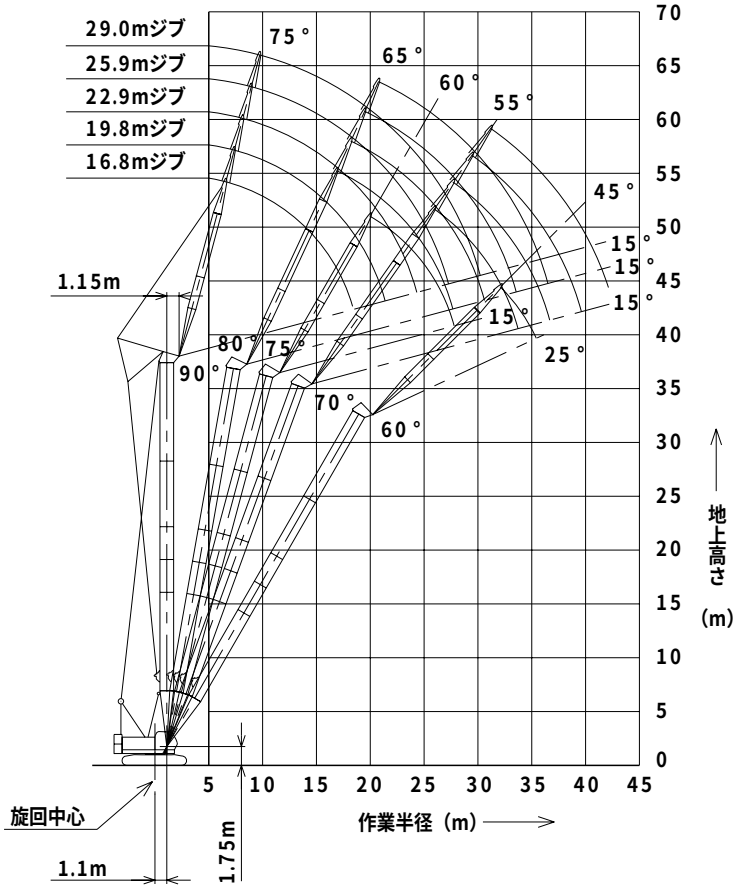


（単位：t）

タワー長さm		33.2														
ジブ長さm		16.8			19.8			22.9			25.9			29.0		
タワー角度		90°	75°	60°	90°	75°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°
作業半径(m)	6.0	12.0/6.5m														
	7.0	12.0			12.0/7.3m											
	8.0	12.0			12.0			11.5/8.1m			8.6/8.9m					
	9.0	12.0			12.0			11.2			8.6			6.2/9.7m		
	10.0	12.0			11.8			11.0			8.3			6.2		
	12.0	10.6			10.4			10.3			8.0			6.2		
	14.0	9.5			9.3			9.2			7.7			6.0		
	16.0	8.2			8.1			8.1	6.2/17.6m		7.1			5.6		
	18.0	6.2	5.2/19.1m		7.2			7.2	6.0		6.4	5.5/18.9m		5.1		
	20.0	5.5/18.3m	4.9		5.9	4.6/20.6m		6.3	5.2		5.8	5.1		4.6	5.0/20.1m	
	22.0		4.3		4.6/21.3m	4.2		5.3	4.7		5.3	4.6		4.2	4.5	
	24.0		3.9			3.8		4.1	4.2		4.7	4.1		3.8	4.0	
	26.0		3.5			3.4		3.9/24.2m	3.8	2.9/26.6m	4.0	3.7		3.5	3.6	
	28.0		3.3/26.9m			3.1			3.4	2.7	3.3/27.2m	3.3	2.5/28.3m	3.1	3.3	
	30.0			1.8/30.5m		2.8/29.8m			3.1/30.0m	2.4		3.1	2.3	2.8	3.0	2.2/30.1m
	32.0			1.6			1.4/32.6m			2.2		2.8	2.1	2.8/30.1m	2.7	2.0
	34.0			1.5			1.3			2.0		2.7/32.9m	1.9		2.5	1.8
	36.0			1.4/34.8m			1.2			1.9/35.5m			1.7		2.3/35.9m	1.6
	38.0						1.1/37.7m						1.6			1.5
	40.0												1.5/38.5m			1.4
	42.0															1.3/41.4m

※表中の太線で囲まれた部分は、ブーム等の強度によって定められた値です。

▶タワー長さ 36.3m

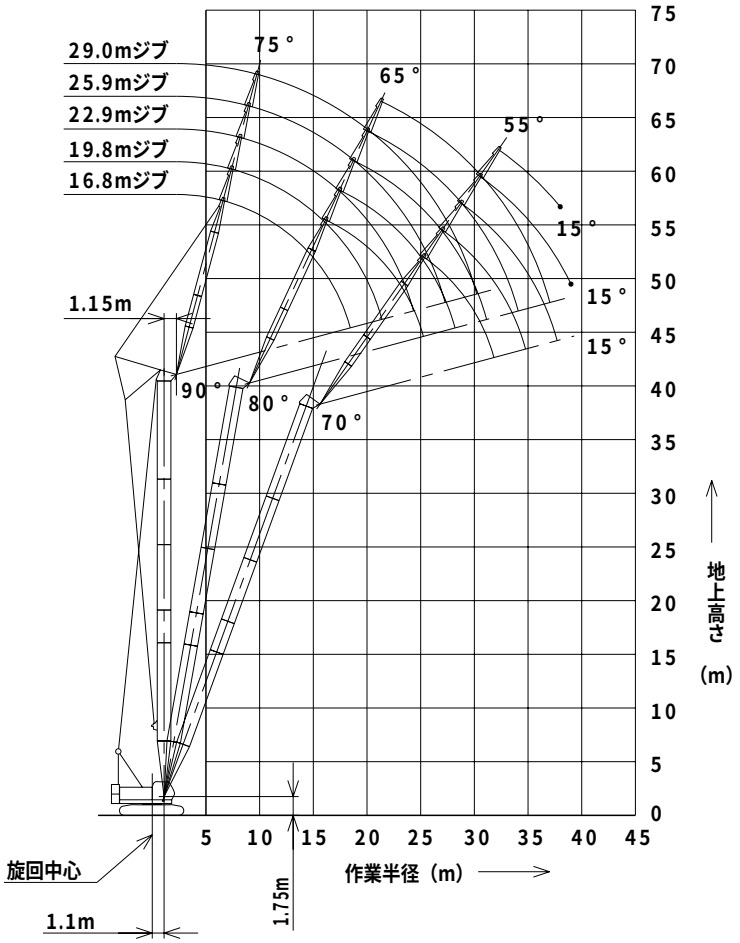


(単位:t)

タワー長さm		36.3														
ジブ長さm		16.8			19.8			22.9			25.9			29.0		
タワー角度		90°	75°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°
作業半径(m)	6.0	12.0/6.5m														
	7.0	12.0			11.4/7.3m											
	8.0	12.0			11.4			10.1/8.1m			8.6/8.9m					
	9.0	12.0			11.4			10.1			8.5			6.2/9.7m		
	10.0	12.0			11.4			10.1			8.3			6.2		
	12.0	10.6			10.4			10.1			8.0			6.2		
	14.0	9.5			9.3			9.2			7.7			6.0		
	16.0	8.2			8.1	6.4/16.8m		8.1			7.1			5.6		
	18.0	6.2	4.7/19.9m		7.2	5.9		7.2	5.8/18.1m		6.4	5.2/19.4m		5.1		
	20.0	5.5/18.3m	4.7		5.9	5.2		6.3	5.1		5.8	5.0		4.6	4.7/20.7m	
	22.0		4.1		4.6/21.3m	4.6		5.3	4.5		5.3	4.4		4.2	4.4	
	24.0		3.7			4.1	2.8/25.9m	4.1	4.1		4.7	4.0		3.8	3.9	
	26.0		3.4			3.7	2.8	3.9/24.2m	3.7	2.5/27.6m	3.9	3.6		3.5	3.5	
	28.0		3.1/27.7m			3.4/27.6m	2.5		3.3	2.4	3.3/27.2m	3.2	2.1/29.4m	3.1	3.2	
	30.0						2.3		3.0	2.2		3.0	2.1	2.8	2.9	1.9/31.1m
	32.0			1.3/32.0m			2.1		3.0/30.5m	2.0		2.7	1.9	2.8/30.1m	2.7	1.8
	34.0			1.2			1.9/33.6m			1.8		2.5/33.5m	1.7		2.4	1.6
	36.0			1.1/35.3m						1.6			1.5		2.3	1.4
	38.0									1.6/36.6m			1.4		2.2/36.4m	1.3
	40.0												1.3/39.5m			1.2
	42.0															1.1/42.0m

※表中の太線で囲まれた部分は、ブーム等の強度によって定められた値です。

▶タワー長さ 39.3m

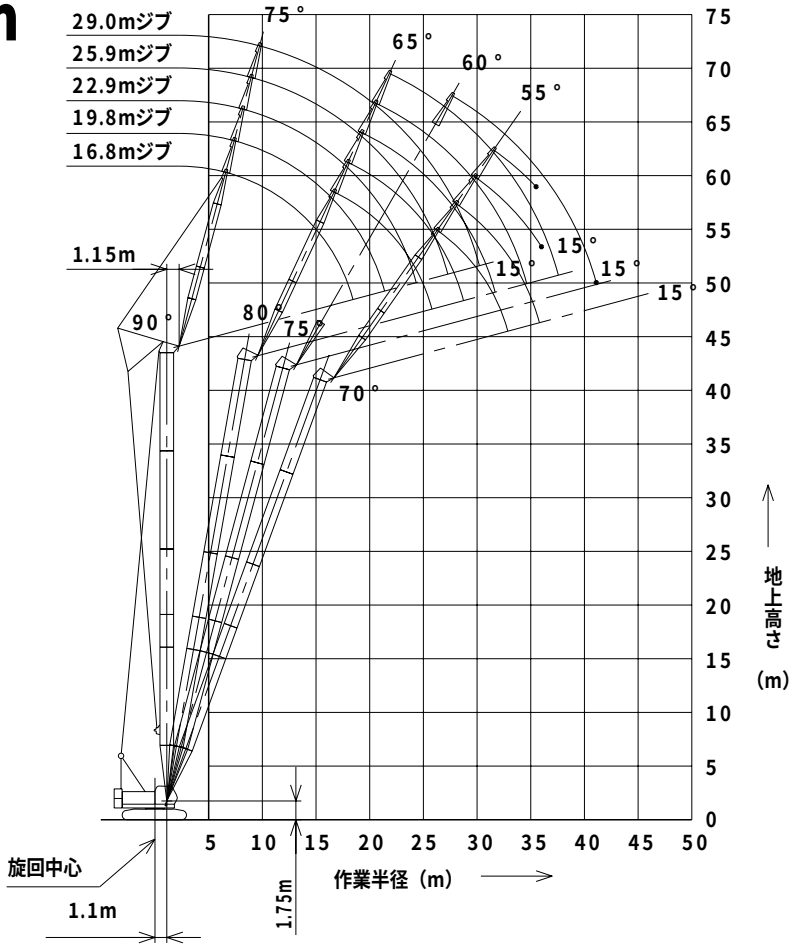


（単位：t）

タワー長さm		39.3														
ジブ長さm		16.8			19.8			22.9			25.9			29.0		
タワー角度		90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°
作業半径(m)	6.0	11.4/6.5m														
	7.0	11.4			9.5/7.3m											
	8.0	11.4			9.5			8.1/8.1m			6.7/8.9m					
	9.0	11.4			9.5			8.1			6.7			6.2/9.7m		
	10.0	11.0			9.5			8.1			6.7			6.2		
	12.0	10.4			9.5			8.1			6.7			6.2		
	14.0	9.5			9.2			8.1			6.7			6.0		
	16.0	8.2	6.7/16.0m		8.1	6.0/17.3m		8.1			6.7			5.6		
	18.0	6.2	5.8		7.2	5.7		7.2	5.4/18.6m		6.4	4.9/19.9m		5.0		
	20.0	5.5/18.3m	5.1		5.9	5.0		6.3	4.9		5.8	4.8		4.6	4.4/21.2m	
	22.0		4.5		4.6/21.3m	4.4		5.3	4.4		5.3	4.3		4.2	4.2	
	24.0		4.1	2.8/25.1m		4.0		4.1	3.9		4.7	3.8		3.8	3.8	
	26.0		3.8/25.1m	2.6		3.6	2.4/26.9m	3.9/24.2m	3.5		3.9	3.5		3.4	3.4	
	28.0			2.4		3.3	2.2		3.2	2.1/28.6m	3.3/27.2m	3.1		3.1	3.1	
	30.0			2.1		3.2/28.1m	2.0		2.9	1.9		2.9	1.7/30.4m	2.8	2.8	
	32.0			1.9/31.7m			1.8		2.8/31.0m	1.7		2.6	1.6	2.8/30.1m	2.6	1.5/32.1m
	34.0						1.6			1.6		2.4/34.0m	1.4		2.3	1.3
	36.0						1.6/34.7m			1.4			1.3		2.2	1.2
	38.0									1.3/37.6m			1.1		2.1/36.9m	1.1/38.0m
	40.0												1.1/39.0m			

※表中の太線で囲まれた部分は、ブーム等の強度によって定められた値です。

▶タワー長さ 42.4m



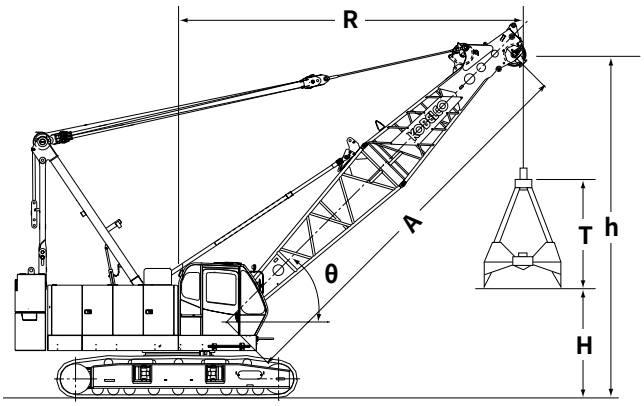
（単位：t）

タワー長さm		42.4														
ジブ長さm		16.8			19.8			22.9			25.9			29.0		
タワー角度		90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	75°
作業半径(m)	6.0	9.9/6.5m														
	7.0	9.9			8.2/7.3m											
	8.0	9.9			8.2			7.7/8.1m			6.5/8.9m					
	9.0	9.9			8.2			7.7			6.5			6.0/9.7m		
	10.0	9.9			8.2			7.7			6.5			6.0		
	12.0	9.0			8.2			7.7			6.5			6.0		
	14.0	8.2			7.9			7.7			6.4			6.0		
	16.0	7.3	6.2/16.6m		7.5	5.6/17.9m		7.4			6.3			5.6		
	18.0	6.2	5.7		6.8	5.5		7.2	5.1/19.2m		6.2			5.0		
	20.0	5.5/18.3m	5.0		5.8	4.9		6.3	4.8		5.8	4.6/20.4m		4.6	4.1/21.7m	
	22.0		4.4		4.6/21.3m	4.3		5.2	4.2		5.3	4.1		4.1	4.1	
	24.0		3.9			3.9		4.1	3.8		4.7	3.7		3.8	3.6	
	26.0		3.6/25.7m	2.3/26.2m		3.5	1.9/27.9m	3.9/24.2m	3.4		3.9	3.3		3.4	3.3	2.4/27.6m
	28.0			2.1		3.2	1.9		3.1	1.7/29.7m	3.3/27.2m	3.0		3.1	3.0	2.3
	30.0			1.9		3.1/28.6m	1.7		2.8	1.6		2.8	1.4/31.4m	2.8	2.7	2.1
	32.0			1.7			1.6		2.6/31.6m	1.5		2.5	1.3	2.8/30.1m	2.5	1.9
	34.0			1.6/32.8m			1.4			1.3		2.3	1.2		2.3	1.7
	36.0						1.3/35.7m			1.2		2.3/34.5m	1.1/35.5m		2.1	1.5
	38.0									1.1/38.0m					2.0/37.5m	1.4
	40.0															1.2
	42.0															1.2/41.1m

※表中の太線で囲まれた部分は、ブーム等の強度によって定められた値です。

アタッチメント

▶クラムセル



バケット開口時高さ	バケット容量			
	0.8m³	T	3.3m
	1.0m³		3.3m
	1.2m³		3.7m
	1.6m³		3.6m

〈注〉
①バケットの単体質量は3.1tを越えてはいけません。
②バケットと掘削物の合計質量が定格総荷重を超えてはいけません。
③掘削物に応じて、次式により最適なバケットをお選びください。
バケット容量(m³)×掘削物比重(t/m³)+バケット質量(t)≦定格荷重(t)
掘削物：砂、砂利、石灰石等(見掛け比重1～1.5程度)
例)バケット容量1.2m³、バケット質量5.5tの場合
(バケット容量)×(掘削物比重)＋(バケット質量)≦(定格荷重)
1.2m³ × 1.5 + 2.1t < 5.5t
④作業サイクル、バケットの降下高さによってはバケット質量の低減が必要です。
⑤定格総荷重は安定度から決まっています。旋回時にブーム横引き荷重が作用するような急加速・急減速は避けてください。特にブームが長いときは注意が必要です。

ブーム長さ m	A	9.1				12.2				15.2				18.3			
ブーム角度 度	θ	35	45	55	65	35	45	55	65	35	45	55	65	35	45	55	65
作業半径 m	R	8.8	7.9	6.7	5.2	11.3	10.0	8.4	6.6	13.8	12.2	10.2	7.9	16.3	14.3	11.9	9.2
開口地上高さm バケット容量 0.8m³	H	0.9	2.1	3.2	4.1	2.6	4.3	5.7	6.8	4.4	6.4	8.2	9.6	6.1	8.6	10.7	12.4
1.0m³		0.9	2.1	3.2	4.1	2.6	4.3	5.7	6.8	4.4	6.4	8.2	9.6	6.1	8.6	10.7	12.4
1.2m³		0.5	1.7	2.8	3.7	2.2	3.9	5.3	6.4	4.0	6.0	7.8	9.2	5.7	8.2	10.3	12.0
1.6m³		0.6	1.8	2.9	3.8	2.3	4.0	5.4	6.5	4.1	6.1	7.9	9.3	5.8	8.3	10.4	12.1
ブームポイント高さ m	h	6.7	7.9	9.0	9.9	8.4	10.1	11.5	12.6	10.2	12.2	14.0	15.4	11.9	14.4	16.5	18.2
定格総荷重 t		5.5															

▶バイブロ

◪作業指針

❶杭の打ち込み時：
クレーンの定格総荷重≧フック質量＋杭質量＋バイブロ質量

❷杭の引き抜き時：
クレーンの定格総荷重≧フック質量＋杭質量＋バイブロ質量
＋バイブロ起振力×1/4

◪使用フック、つりワイヤロープ

バイブロハンマの起振力kN{tf}	使用フック	つりワイヤロープmm
186{19}まで	19t	φ22×2本掛以上
196{20}～314{32}	32t	φ22×4本掛以上
323{33}～539{55}	55t	φ22×6本掛以上

◪使用上の主な注意点

❶使用ブーム長さは30.5m（100）以下です。
❷ブーム角度は60 °～70 ° 程度にて使用してください。
❸フックはバイブロ起振力相当のt数のものを使用してください。
❹バイブロはフックに直接つり下げずに、必ずフックとバイブロの間につりワイヤロープを使用してください。
（ワイヤロープの安全率は6以上）
❺バイブロを運転しないでクレーンの巻き上げだけで杭を抜かないでください。
❻緩衝バネが密着するほど抜く力をかけないでください。
❼使用バイブロは、電動式では、普通型および公害対策型の88kW｛120PS｝以下のもの、可変高周波型の59kW｛80PS｝以下のものを使用してください。

▶標準装備品

●上下部本体
カウンタウエイト15.2ｔ（7.5t+7.7t）
760mm幅シュー
136AH/5HRバッテリ
ガントリ起伏シリンダ
電動ハンドスロットル
ブーム速度可変コントローラ
主補速度可変コントローラ
旋回中立フリー／ブレーキ切替システム
運転席サイドデッキ
左ガード昇降ステップ
アンチスリップシート（ガード上面）
標準工具一式
工具箱（右ガード内取付）
前照灯×2
バックミラー×2
ドラムミラー×1
ワンウェイコール
●運転室
エアコン
ラゲッジボックス
カップキーパ
ラジオ（ＦＭ／ＡＭ）
灰皿
シガーライタ
間欠式ワイパ＆ウインドウオッシャ（天窓／前面／前面下窓）
サンバイザ
天井ブラインド

グリーンガラス
フロアマット:布製
ブレーキペダルカバー:ゴム製
靴置きトレイ
●安全装置
過負荷防止装置（ブーム巻下緩停止機能付）
過負荷防止装置解除防止キー
マルチディスプレイ（液晶）
第２過巻防止装置（ブーム角度極限自動停止機能）
ブーム過巻自動停止装置
フック過巻自動停止装置
ブームバックストップ
乗降遮断式レバーロック
走行レバーロック
ケーブル式ドラムパウル（主巻／補巻）
中立時ネガブレーキ（主巻／補巻／ブーム起伏／走行）
ブレーキフェイルセイフ機構（主巻／補巻／ブーム起伏／走行）
サービスブレーキペダルロック（主巻／補巻）
中立フリー／ブレーキ切替表示灯（主巻／補巻、旋回）
中立フリー／ブレーキ切替スイッチ（ロック機構付、主巻／補巻、旋回）
中立ブレーキ解除防止キー（主巻／補巻）
エンジン停止時ブレーキ作動装置
油圧安全弁（主巻／補巻／ブーム起伏／走行）
ホーン
マルチボイスアラーム：過巻／過負荷
旋回ブレーキロック
旋回ロックピン
旋回フラッシャ／ブザー

▶オプション装備品

トラベルキット
トランスリフタ
サードドラム：ワイヤロープφ22×175m、フリーフォール付
油圧式タグライン
バイブロ用油圧源
フットアクセル：case1-右側、case2-左右両側
ブーム起伏ペダル：右側
フック揚程・深度計（主巻／補巻）
ドラム回転計／反力感知装置（主巻／補巻）
水準器
キャブ上面ガード
サイドキャットウォーク（手すり無）

機械室上手すり（左、右）
右ガード梯子
定格総荷重表看板：下部ブーム腹面
後方確認カメラ（カラー）
主・補／ブームドラム監視カメラ（カラー）
過負荷外部表示灯（角型３色灯）
航空障害灯
外部音声アラーム：走行／旋回
電動式燃料給油ポンプ
消火器
扇風機

つり上げ荷重5t以上の移動式クレーン運転には「移動式クレーン運転士免許証」、クラムセル作業には「車両系建設機械（整地ほか）運転技能講習修了証」、基礎工事には「車両系建設機械（基礎用）運転技能講習修了証」がそれぞれ必要です。

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■お問い合わせは・・・・・

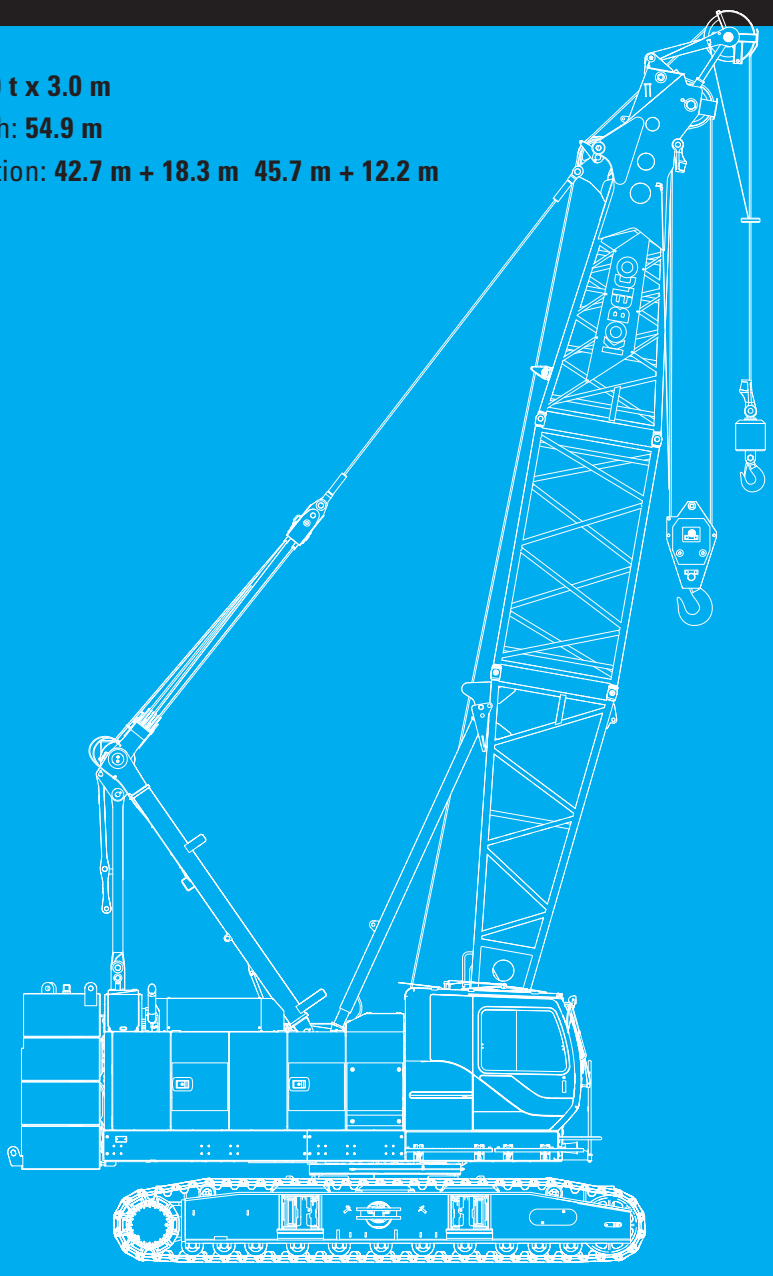
Hydraulic Crawler Crane

CKS

800

Model : CKS800

Max. Lifting Capacity: **80 t x 3.0 m**
Max. Crane Boom Length: **54.9 m**
Max. Fixed Jib Combination: **42.7 m + 18.3 m 45.7 m + 12.2 m**



KOBELCO

CKS800
CONTENTS

SPECIFICATIONS

Power Plant

Model: HINO J08E-VM
Type: 4 cycle, water-cooled, vertical in-line 6, direct injection, turbo-charger, intercooler
Exhaust level is equivalent with NRMM (Europe) Stage IIIA / US EPA Tier 3.
Displacement: 7,684 liters
Rated power: 213 kW/2,100 min^{-1}
Max. Torque: 1,017 N·m/1,600 min^{-1}
Cooling System: Water-cooled
Starter: 24V-5kW
Radiator: Corrugated type core, thermostatically controlled
Air cleaner: Dry type with replaceable paper element
Throttle: Twist grip type hand throttle, electrically actuated
Fuel filter: Replaceable paper element
Batteries: Two 12V x 136 Ah/5HR capacity batteries, series connected
Fuel tank capacity: 400 liters

Hydraulic System

Main pumps: 3 variable displacement piston pumps
Control: Full-flow hydraulic control system for infinitely variable pressure to all winches, propel and swing. 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
Max. relief valve pressure:
Load hoist, boom hoist and propel system: 31.9 MPa
Swing system: 27.5 MPa
Control system: 5.4 MPa
Hydraulic Tank Capacity: 440 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 16mm dia. wire rope
Line Speed: Single line on first drum layer
Hoisting/Lowering: 70 to 2 m/min
Boom hoisting/lowering: 16 mm x 150 m
Boom guy line: 30 mm
Boom backstops: Required for all boom length

Load Hoisting 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)
Drum Lock: External ratchet for locking drum
Drums:
Front Drums:
550 mm P.C.D x 545 mm wide drum, grooved for 22 mm wire rope. Rope capacity is 220 m working length and 335 m storage length.
Rear Drum: 550 mm P.C.D x 545 mm grooved for 22 mm wire rope. Rope capacity is 130 m working length and 335m storage length.
Diameter of wire rope
Main winch: 22 mm x 220 m
Aux. winch: 22 mm x 130 m
Third winch: 22 mm x 145 m
Line Speed*:
Hoisting/lowering: 120 to 3 m/min
Line Pull:
Max. Line Pull*: 153 kN {15.5 tf}
(Referential performance)
Rated Line Pull: 78 kN {8.0 tf}
*Single line on first drum layer

Swing System

Swing unit is powered by hydraulic motor driving spur gears through planetary reducer, the swing system provides 360° rotation.
Swing parking 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: 4.0 min^{-1}

Upper Structure

Torsion-free precision machined upper frame. All components are located clearly and service friendly. Engine will with low noise level.
Counterweight: 27.2 ton

Cab & Control

Totally enclosed, full vision cab with safety glass, fully adjustable, high backed seat with a headrest and armrests, and intermittent wiper and window washer (skylight and front window).
Cab fittings:
Air conditioner, convenient compartment (for tool), cup holder, cigarette lighter, sun visor, roof blind, tinted glass, floor mat, footrest, and shoe tray

Lower Structure

Steel-welded carbody with axles. Crawler assemblies can be hydraulically extended for wide-track operation or retracted for transportation. Crawler belt tension is maintained by hydraulic jack force on the track-adjusting bearing block.
Carbodyweight: 6.5 ton
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.
Shoe (flat): 800 mm wide each crawler
Max. gradeability: 40%

Weight

Including upper and lower machine, 27.2 ton counterweight and 6.5 ton carbody weight, basic boom (or basic boom + basic jib), hook, and other accessories.
Weight: 75.1 ton
Ground pressure: 84.7 kPa

Attachment

Boom & Jib:
Welded lattice construction using tubular, high-tensile steel chords with pin connection between sections.

Boom and Jib length

	Min. Length (Min. combination)	Max. Length (Max. combination)
Crane Boom	9.1 m	54.9 m
Fixed Jib	30.5 m + 6.1 m	42.7 m + 18.3 m, 45.7 m + 12.2 m

Main Specifications (Model: CKS800)

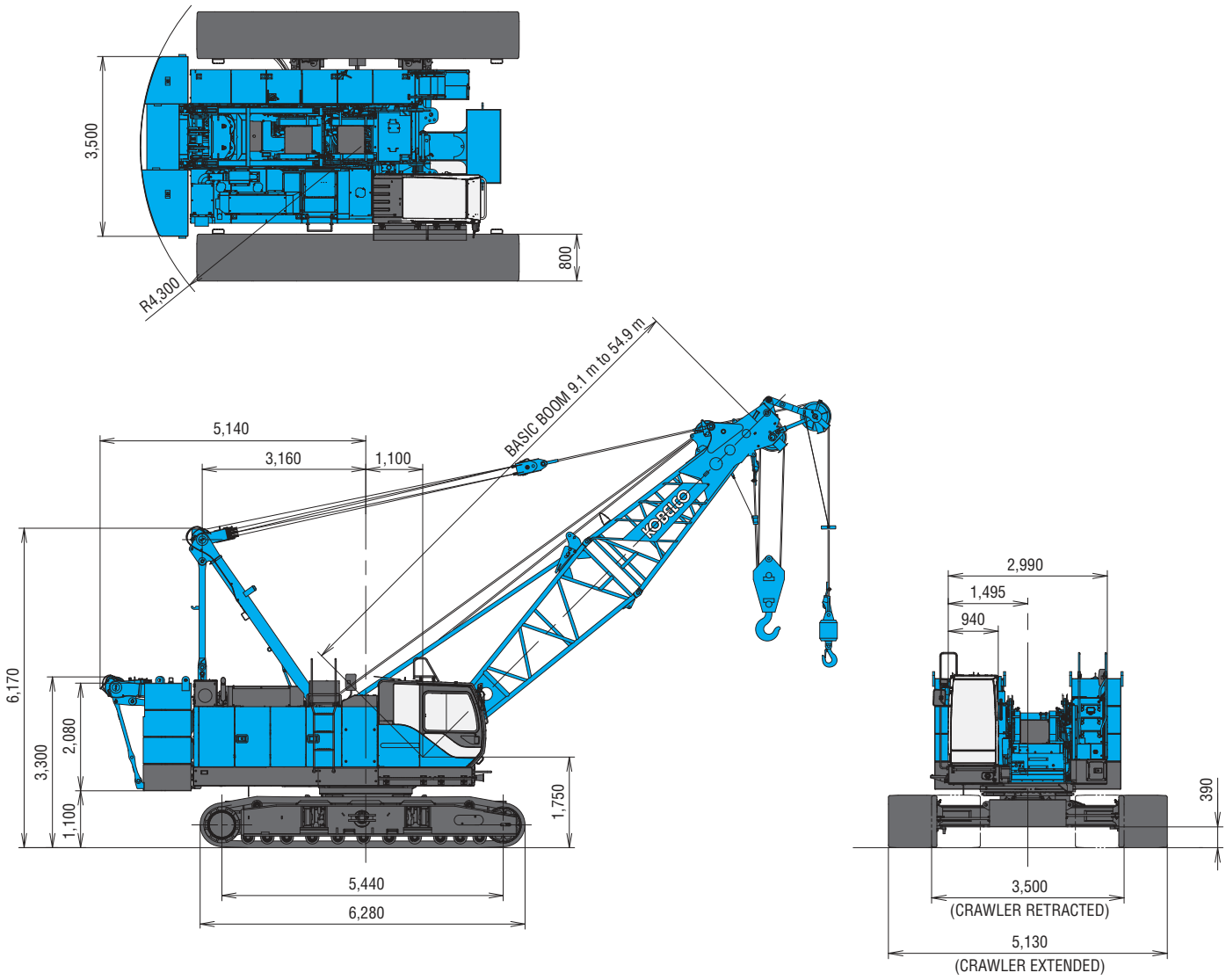
Crane Boom	
Max. Lifting Capacity	80 t x 3.0 m
Max. Length	54.9 m
Fixed Jib	
Max. Lifting Capacity	7.0 t x 20.0 m
Max. Combination	42.7 m + 18.3, 45.7 m +12.2 m
Main & Aux. Winch	
Max. Line Speed (1st layer)	120 m/min
Rated Line Pull (Single line)	78 kN {8 tf}
Wire Rope Diameter	22 mm
Wire Rope Length	220 m (Main), 130 m (Aux.)
Brake Type (free fall)	Wet-type multiple disc brake (Optional)
Working Speed	
Swing Speed	4.0 min^{-1}{rpm}
Travel Speed	1.7/1.1 km/h
Power Plant	
Model	HINO J08E-VM
Engine Output	213 kW/2,100 min^{-1}
Fuel Tank	400 liters

Hydraulic System	
Main Pumps	3 variable displacement
Max. Pressure	31.9 MPa {325 kgf/cm^2}
Hydraulic Tank Capacity	440 liters
Self-Removal Device	
	Counterweight/self-removal device (Option)
Weight	
Operating Weight	75.1 t *1
Ground Pressure	84.7 kPa
Counterweight	27,200 kg
Transport Weight	39,850 kg *2

Units are SI units. { } indicates conventional units.
Line speeds in table are for light loads. Line speed varies with load.
*1 Including upper and lower machine, 27.2 ton counterweight, 6.5 ton carbody weight, basic boom, hook, and other accessories.
*2 Base machine with boom base, gantry, crawlers, and wire ropes (front/boom hoist)

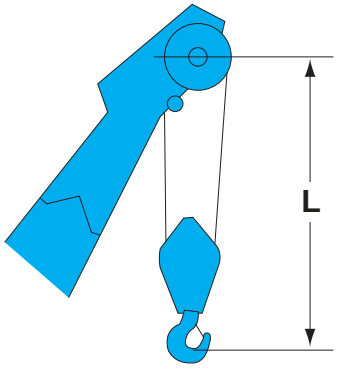
GENERAL DIMENSIONS

(Unit: mm)

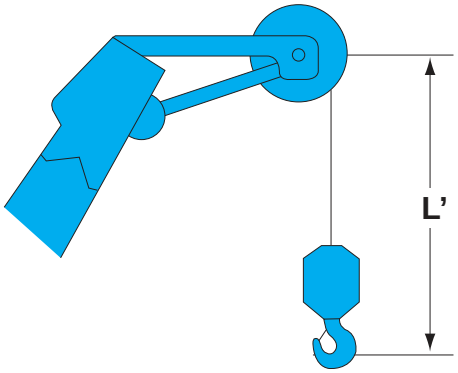


This catalog may contain photographs of machines with specifications, attachments and optional equipment.

Limit of Hook Lifting



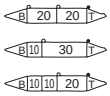
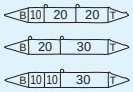
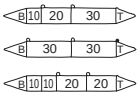
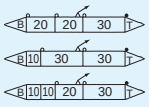
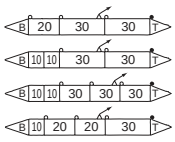
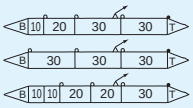
Hook	L
80 t hook	4.5 m
50 t hook	4.3 m
32 t hook	4.2 m
19 t hook	4.1 m

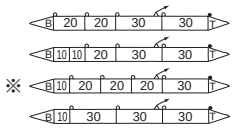
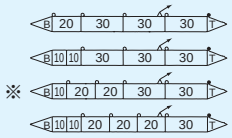
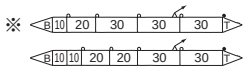
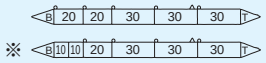
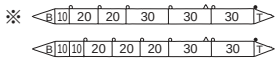
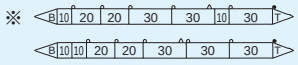


Hook	L'
Ball hook	3.1 m

BOOM AND JIB ARRANGEMENTS

Crane Boom Arrangements

Boom length m (ft)	Boom arrangement
9.1 (30)	※ 
12.2 (40)	※ 
15.2 (50)	
18.3 (60)	※ 
21.3 (70)	
24.4 (80)	※ 
27.4 (90)	※ 
30.5 (100)	
33.5 (110)	
36.6 (120)	※ 

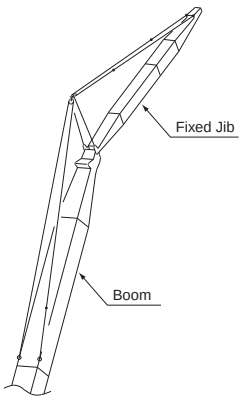
Boom length m (ft)	Boom arrangement
39.6 (130)	
42.7 (140)	
45.7 (150)	※ 
48.8 (160)	
51.8 (170)	※ 
54.9 (180)	※ 

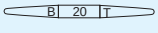
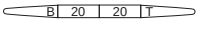
Symbol	Boom Length	Remarks
B	5.2 m	Boom Base
T	3.9 m	Boom Top
10	3.0 m	Insert Boom
20	6.1 m	Insert Boom
20	6.1 m	Insert Boom with lug
30	9.1 m	Insert Boom
30	9.1 m	Insert Boom with lug

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

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

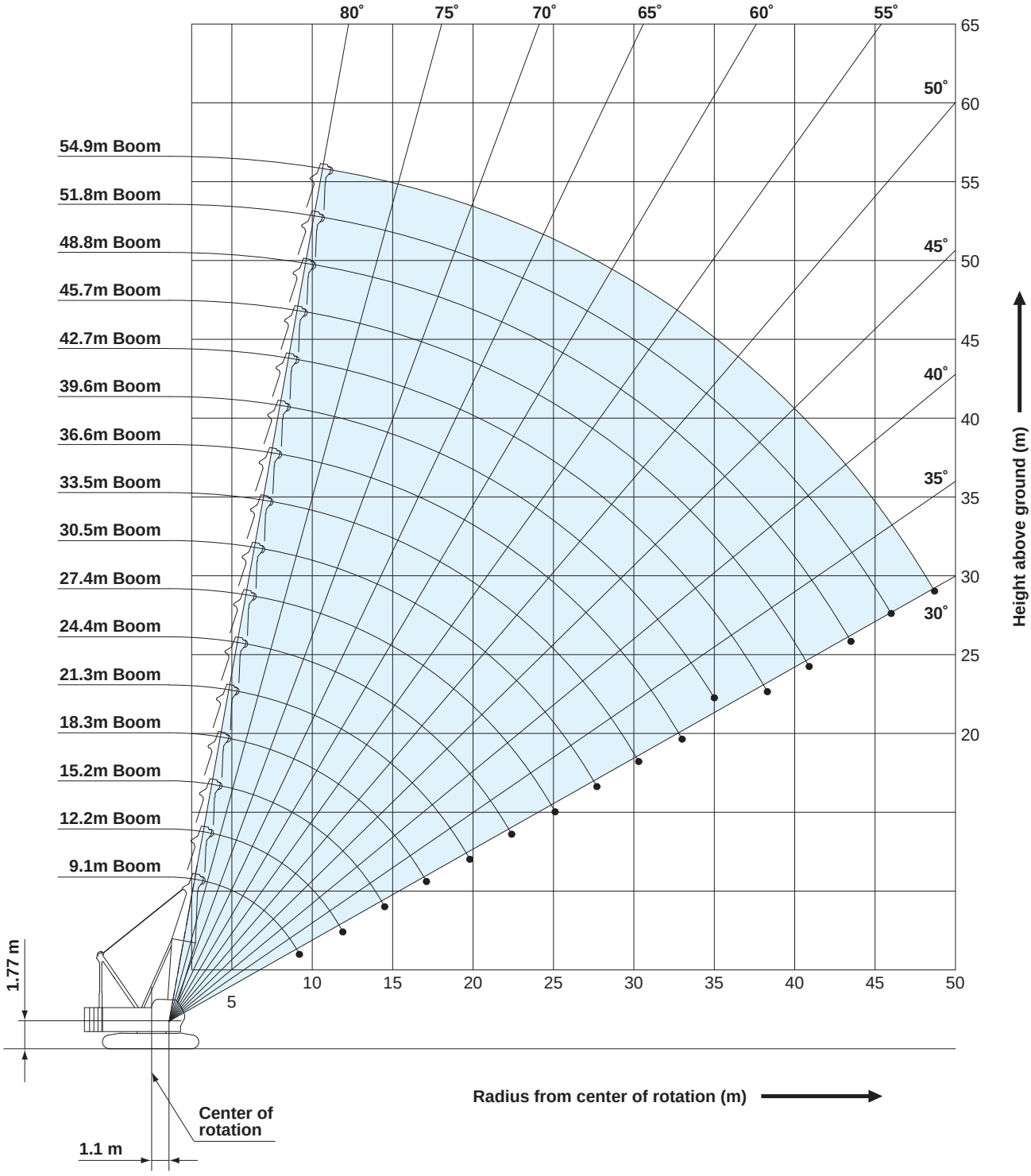
Fixed Jib Arrangements



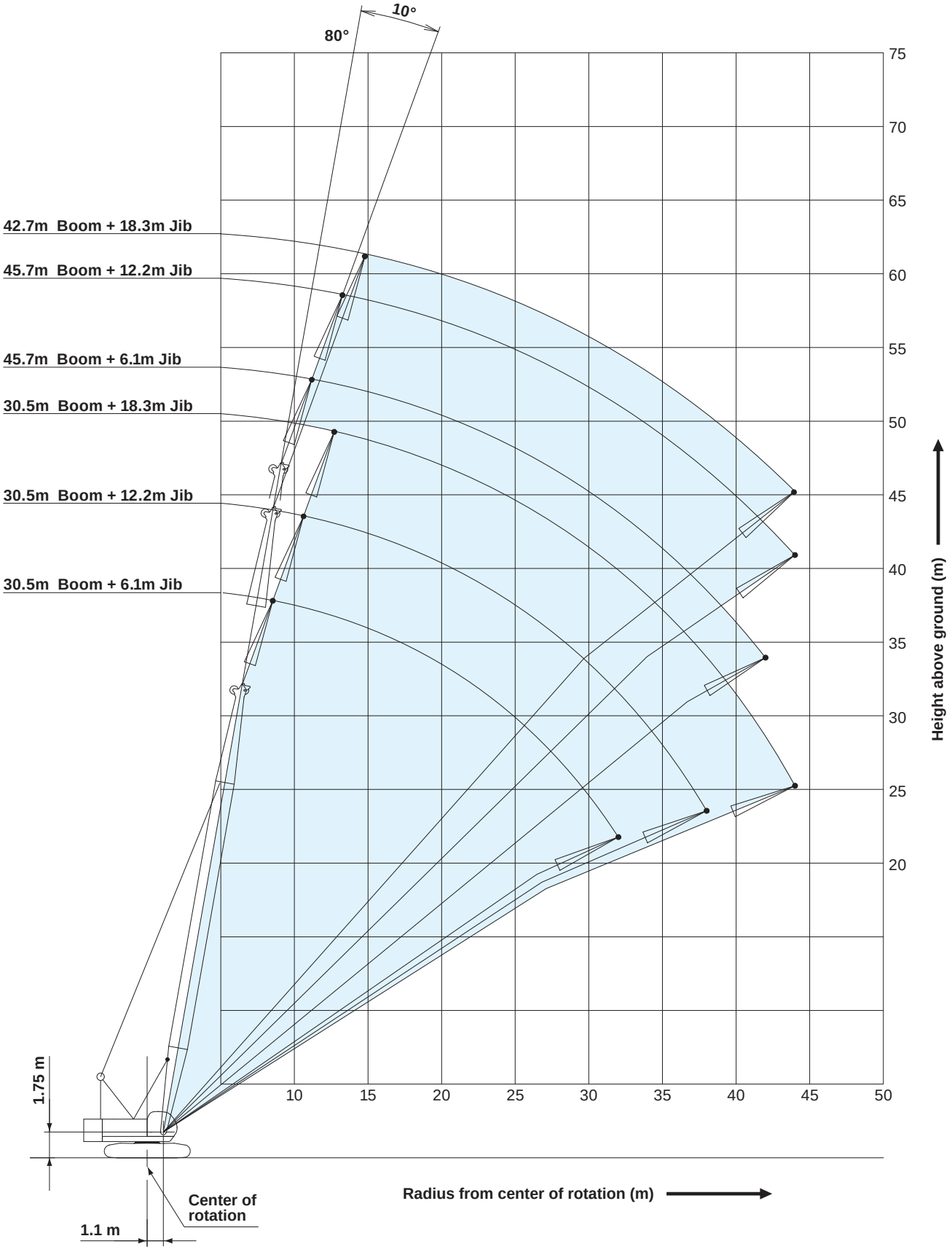
Crane boom length	Jib length m (ft)	Jib arrangement
30.5 m ～ 45.7 m	6.1 (20)	
	12.2 (40)	
30.5 m ～ 42.7 m	18.3 (60)	

Symbol	Jib Length	Remarks
B	3.0 m	Jib Base
T	3.0 m	Jib Top
20	6.1 m	Insert Jib

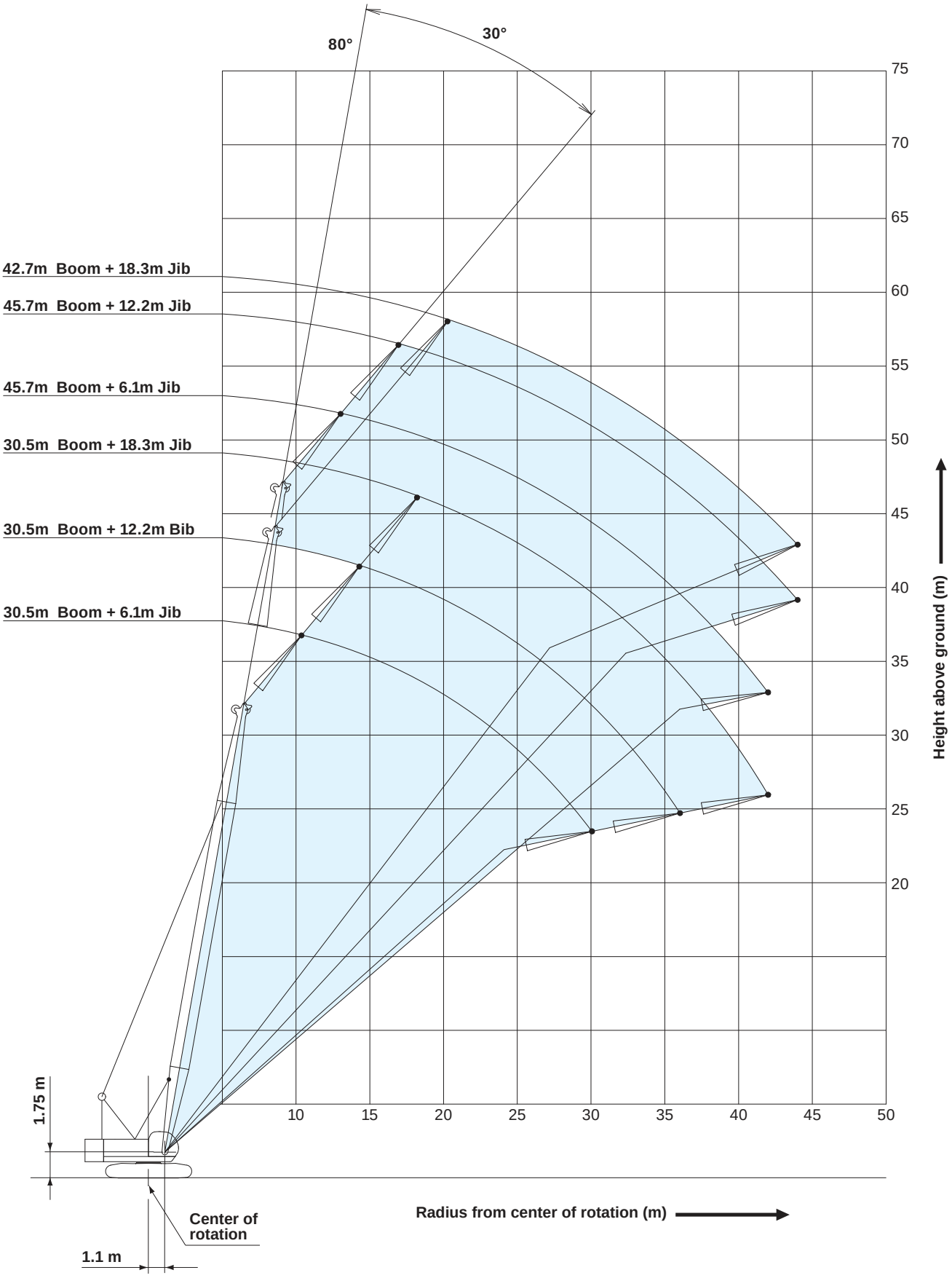
Crane Boom


80°
75°
70°
65°
60°
55°
50°
45°
40°
35°
30°
54.9m Boom
51.8m Boom
48.8m Boom
45.7m Boom
42.7m Boom
39.6m Boom
36.6m Boom
33.5m Boom
30.5m Boom
27.4m Boom
24.4m Boom
21.3m Boom
18.3m Boom
15.2m Boom
12.2m Boom
9.1m Boom
65
60
55
50
45
40
35
30
25
20
10
15
20
25
30
35
40
45
50
5
Height above ground (m)
Radius from center of rotation (m)
1.77 m
Center of rotation
1.1 m

Fixed Jib 10°


10°
80°
42.7m Boom + 18.3m Jib
45.7m Boom + 12.2m Jib
45.7m Boom + 6.1m Jib
30.5m Boom + 18.3m Jib
30.5m Boom + 12.2m Jib
30.5m Boom + 6.1m Jib
75
70
65
60
55
50
45
40
35
30
25
20
10
15
20
25
30
35
40
45
50
Height above ground (m)
Radius from center of rotation (m)
1.75 m
Center of rotation
1.1 m

Fixed Jib 30°


80°
30°
42.7m Boom + 18.3m Jib
45.7m Boom + 12.2m Jib
45.7m Boom + 6.1m Jib
30.5m Boom + 18.3m Jib
30.5m Boom + 12.2m Bib
30.5m Boom + 6.1m Jib
75
70
65
60
55
50
45
40
35
30
25
20
10
15
20
25
30
35
40
45
50
Height above ground (m)
Radius from center of rotation (m)
1.75 m
Center of rotation
1.1 m

SUPPLEMENTAL DATA

- Ratings according to EN13000.
- Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
- Deduct weight of hook block (s), slings and all other load handling accessories from main boom ratings shown.
- 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.
  The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
- Ratings are for operation on a firm and level surface, up to 1 % gradient.
- At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
- Boom inserts and guy lines must be arranged as shown in the "operator's manual".
- Boom hoist reeving is 12 part line.
- Gantry must be in raised position for all conditions.
- Boom backstops are required for all boom lengths.
- The boom should be erected over the front of the crawlers, not laterally.
- Ratings inside of boxes ☐ are limited by strength of materials.
- The minimum rated load is 1.1 (ton).
- Crawler frames must be fully extended for all crane operations.
- When erecting or lowering the boom length of 54.9 m (180 ft) or over, the blocks for erection must be placed under the front of the crawlers.

(Crane boom lifting)

- The total load that can be lifted is the value for weight of main hook block, slings, and all other load handling accessories deducted from crane boom ratings shown.

(Fixed jib lifting)

- The total load that can be lifted is the value for weight of jib hook block, slings, and all other load handling accessories deducted from fixed jib ratings shown.
- The availability of fixed jib mounting
  - On crane boom : Range 30.5 m to 45.7 m.
  But 18.3 m jib is not allowed to install on 45.7 m main boom.

<Reference Information>

Main hoist loads

No. of Parts of Line	1	2	3	4	5
Maximum Loads (kN)	78	157	235	314	392
Maximum Loads (t)	8.0	16.0	24.0	32.0	40.0

No. of Parts of Line	6	7	8	9	10
Maximum Loads (kN)	471	549	628	706	785
Maximum Loads (t)	48.0	56.0	64.0	72.0	80.0

Auxiliary hoist loads

No. of Parts of Line	1
Maximum Loads (kN)	69
Maximum Loads (t)	7.0

Weight of hook block					
Hook Block	80 t	50 t	32 t	19 t	Ball Hook
Weight (t)	0.8	0.7	0.5	0.4	0.16

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

Assembling the counterweight

27.2 ton counterweight
6.5 ton carbody weight
(standard type)

No.4		No.5
No.3		
No.2		
No.1		

Counterweights

☐

Carbody weights

Assembling the counterweight

(Equipped with self removal device)
26.1 ton counterweight
6.5 ton carbody weight
(optional type)

No.4		No.5
No.2		No.3
No.1		

Counterweights

☐

Carbody weights

- The lifting capacity does not change due to the type of counterweights (standard or optional).

LIFTING CAPACITIES

Crane Boom Lifting Capacities

Counterweight: 27.2 t
Carbody Weight: 6.5 t

Unit: metric ton

Working radius (m) \ Boom length (m)	9.1	12.2	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	Boom length (m) \ Working radius (m)
3.0	80.0	3.6m/76.2															**3.0**
4.0	69.0	72.6	4.2m/69.6	4.7m/59.3													**4.0**
5.0	57.9	57.7	57.5	55.1	5.2m/50.0	5.7m/42.9											**5.0**
6.0	47.5	47.3	46.7	44.6	42.6	40.8	6.3m/37.2	6.8m/33.0									**6.0**
7.0	39.8	39.6	38.9	37.3	35.8	34.5	33.3	32.0	7.3m/29.5	7.9m/26.4							**7.0**
8.0	32.9	32.7	32.5	32.0	30.9	29.8	28.8	27.8	26.9	26.0	8.4m/24.0						**8.0**
9.0	26.0	27.8	27.6	27.5	27.0	26.2	25.4	24.5	23.8	23.1	22.4	21.7	9.4m/20.1				**9.0**
10.0	9.2m/24.5	24.1	23.9	23.8	23.7	23.3	22.6	21.9	21.3	20.6	20.0	19.4	19.0	18.4	10.5m/17.1	11.0m/15.7	**10.0**
12.0		11.9m/19.3	18.8	18.7	18.6	18.5	18.4	17.9	17.4	16.9	16.5	16.0	15.6	15.1	14.8	14.4	**12.0**
14.0			15.4	15.3	15.1	15.0	14.9	14.8	14.7	14.2	13.9	13.5	13.2	12.8	12.5	12.1	**14.0**
16.0			14.5m/14.7	12.9	12.7	12.6	12.5	12.3	12.2	12.1	11.9	11.5	11.3	10.9	10.7	10.4	**16.0**
18.0				17.1m/11.8	10.9	10.8	10.7	10.5	10.4	10.3	10.2	10.0	9.8	9.4	9.3	9.0	**18.0**
20.0					19.8m/9.6	9.3	9.2	9.1	9.0	8.8	8.7	8.6	8.5	8.3	8.1	7.8	**20.0**
22.0						8.2	8.1	7.9	7.8	7.7	7.6	7.5	7.4	7.2	7.1	6.9	**22.0**
24.0						22.4m/8.0	7.2	7.0	6.9	6.8	6.6	6.5	6.4	6.3	6.2	6.1	**24.0**
26.0							25.1m/6.8	6.2	6.1	6.0	5.9	5.7	5.6	5.5	5.4	5.3	**26.0**
28.0								27.7m/5.7	5.5	5.4	5.2	5.1	5.0	4.9	4.8	4.7	**28.0**
30.0									4.9	4.8	4.7	4.5	4.4	4.3	4.2	4.1	**30.0**
32.0									30.3m/4.9	4.3	4.2	4.0	3.9	3.8	3.7	3.6	**32.0**
34.0										33.0m/4.1	3.8	3.6	3.5	3.4	3.3	3.2	**34.0**
36.0											35.0m/3.5	3.3	3.2	3.0	2.9	2.8	**36.0**
38.0												2.9	2.8	2.7	2.6	2.5	**38.0**
40.0												38.3m/2.9	2.6	2.4	2.3	2.2	**40.0**
42.0													40.9m/2.4	2.1	2.0	1.9	**42.0**
44.0														43.5m/2.0	1.8	1.7	**44.0**
46.0															1.6	1.5	**46.0**
48.0																1.3	**48.0**
50.0																48.7m/1.2	**50.0**
Reeves	10	10	9	8	7	6	5	5	4	4	3	3	3	3	3	2	**Reeves**

Note:
Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Fixed Jib Lifting Capacities (Jib Offset Angle : 10°)

Counterweight: 27.2 t
Carbody Weight: 6.5 t

Unit: metric ton

Working radius (m)	Boom length (m)	30.5			33.5			36.6			Boom length (m)	Working radius (m)
	Jib length (m)	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2	18.3	Jib length (m)	
9.0		7.0			7.0						9.0	9.0
10.0		7.0			7.0			7.0			10.0	10.0
12.0		7.0	7.0	4.5	7.0	7.0		7.0	7.0		12.0	12.0
14.0		7.0	7.0	4.5	7.0	7.0	4.5	7.0	7.0	4.5	14.0	14.0
16.0		7.0	7.0	4.5	7.0	7.0	4.5	7.0	7.0	4.5	16.0	16.0
18.0		7.0	7.0	4.5	7.0	7.0	4.5	7.0	7.0	4.5	18.0	18.0
20.0		6.8	7.0	4.5	6.8	6.9	4.5	6.7	6.9	4.5	20.0	20.0
22.0		6.1	6.4	4.5	6.0	6.2	4.5	5.9	6.2	4.5	22.0	22.0
24.0		5.4	5.6	4.5	5.2	5.5	4.5	5.1	5.4	4.5	24.0	24.0
26.0		4.7	5.0	4.5	4.6	4.8	4.5	4.5	4.8	4.5	26.0	26.0
28.0		4.2	4.4	4.5	4.1	4.3	4.4	4.0	4.2	4.3	28.0	28.0
30.0		3.8	4.0	4.1	3.6	3.8	3.9	3.5	3.7	3.9	30.0	30.0
32.0		3.4	3.6	3.7	3.2	3.4	3.5	3.1	3.3	3.5	32.0	32.0
34.0			3.2	3.3	2.9	3.1	3.2	2.8	3.0	3.1	34.0	34.0
36.0			2.9	3.0	2.6	2.8	2.9	2.5	2.7	2.8	36.0	36.0
38.0			2.6	2.8		2.5	2.6	2.2	2.4	2.5	38.0	38.0
40.0				2.5		2.3	2.4		2.1	2.3	40.0	40.0
42.0				2.3		2.0	2.1		1.9	2.0	42.0	42.0
44.0				2.1			1.9		1.6	1.8	44.0	44.0
Reeves		1	1	1	1	1	1	1	1	1	Reeves	

Working radius (m)	Boom length (m)	39.6			42.7			45.7			Boom length (m)	Working radius (m)
	Jib length (m)	6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2		Jib length (m)	
10.0		7.0									10.0	10.0
12.0		7.0			7.0			7.0			12.0	12.0
14.0		7.0	7.0	4.5	7.0	7.0	4.5	7.0	7.0		14.0	14.0
16.0		7.0	7.0	4.5	7.0	7.0	4.5	7.0	7.0		16.0	16.0
18.0		7.0	7.0	4.5	7.0	7.0	4.5	7.0	7.0		18.0	18.0
20.0		6.6	6.7	4.5	6.6	6.7	4.5	6.5	6.6		20.0	20.0
22.0		5.8	6.0	4.5	5.7	6.0	4.5	5.6	5.8		22.0	22.0
24.0		5.0	5.3	4.5	4.9	5.2	4.5	4.8	5.1		24.0	24.0
26.0		4.4	4.6	4.5	4.3	4.5	4.5	4.2	4.4		26.0	26.0
28.0		3.9	4.1	4.2	3.8	4.0	4.1	3.6	3.9		28.0	28.0
30.0		3.4	3.6	3.7	3.3	3.5	3.6	3.2	3.4		30.0	30.0
32.0		3.0	3.2	3.3	2.9	3.1	3.2	2.7	3.0		32.0	32.0
34.0		2.6	2.9	3.0	2.5	2.8	2.9	2.3	2.6		34.0	34.0
36.0		2.3	2.5	2.7	2.2	2.4	2.6	2.0	2.2		36.0	36.0
38.0		2.0	2.2	2.4	1.8	2.1	2.2	1.6	1.9		38.0	38.0
40.0		1.7	1.9	2.1	1.6	1.8	2.0	1.4	1.6		40.0	40.0
42.0			1.7	1.8	1.3	1.6	1.7	1.1	1.4		42.0	42.0
44.0			1.4	1.6	1.1	1.3	1.5		1.1		44.0	44.0
Reeves		1	1	1	1	1	1	1	1		Reeves	

Note:
Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

LIFTING CAPACITIES

Fixed Jib Lifting Capacities (Jib Offset Angle : 30°)

Counterweight: 27.2 t
Carbody Weight: 6.5 t
Unit: metric ton

Boom length (m)		30.5			33.5			36.6			Boom length (m)
Jib length (m)		6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2	18.3	Jib length (m)
Working radius (m)	12.0	7.0			7.0			7.0			12.0
	14.0	7.0			7.0			7.0			14.0
	16.0	7.0	5.0		7.0	5.0		7.0	5.0		16.0
	18.0	7.0	5.0	3.2	7.0	5.0	3.2	7.0	5.0		18.0
	20.0	6.9	5.0	3.2	6.8	5.0	3.2	6.8	5.0	3.2	20.0
	22.0	6.2	5.0	3.2	6.1	5.0	3.2	6.1	5.0	3.2	22.0
	24.0	5.5	5.0	3.2	5.4	5.0	3.2	5.3	5.0	3.2	24.0
	26.0	4.8	4.9	3.2	4.7	5.0	3.2	4.6	5.0	3.2	26.0
	28.0	4.3	4.6	3.2	4.2	4.5	3.2	4.1	4.4	3.2	28.0
	30.0	3.8	4.1	3.1	3.7	4.0	3.2	3.6	3.9	3.2	30.0
	32.0		3.7	3.0	3.3	3.6	3.0	3.2	3.5	3.1	32.0
	34.0		3.3	2.8		3.2	2.9	2.9	3.1	3.0	34.0
	36.0		3.0	2.7		2.9	2.8		2.8	2.9	36.0
	38.0			2.6		2.6	2.7		2.5	2.7	38.0
	40.0			2.5			2.5		2.2	2.5	40.0
	42.0			2.4			2.3			2.2	42.0
	44.0						2.1			2.0	44.0
	Reeves	1	1	1	1	1	1	1	1	1	Reeves

Boom length (m)		39.6			42.7			45.7			Boom length (m)
Jib length (m)		6.1	12.2	18.3	6.1	12.2	18.3	6.1	12.2		Jib length (m)
Working radius (m)	12.0	7.0									12.0
	14.0	7.0			7.0			7.0			14.0
	16.0	7.0	5.0		7.0			7.0			16.0
	18.0	7.0	5.0		7.0	5.0		7.0	5.0		18.0
	20.0	6.6	5.0	3.2	6.6	5.0	3.2	6.6	5.0		20.0
	22.0	5.9	5.0	3.2	5.9	5.0	3.2	5.8	5.0		22.0
	24.0	5.2	5.0	3.2	5.1	5.0	3.2	5.0	5.0		24.0
	26.0	4.5	4.9	3.2	4.4	4.8	3.2	4.3	4.7		26.0
	28.0	4.0	4.3	3.2	3.9	4.3	3.2	3.8	4.2		28.0
	30.0	3.5	3.8	3.2	3.4	3.8	3.2	3.3	3.7		30.0
	32.0	3.1	3.4	3.2	3.0	3.3	3.2	2.9	3.2		32.0
	34.0	2.7	3.0	3.1	2.6	3.0	3.2	2.4	2.9		34.0
	36.0	2.3	2.7	2.9	2.2	2.6	2.8	2.1	2.5		36.0
	38.0	2.0	2.4	2.6	1.9	2.3	2.5	1.7	2.1		38.0
	40.0		2.1	2.3	1.6	2.0	2.3	1.4	1.8		40.0
	42.0		1.8	2.1		1.7	2.0	1.2	1.5		42.0
	44.0		1.5	1.8		1.4	1.7		1.3		44.0
	Reeves	1	1	1	1	1	1	1	1		Reeves

Note:
Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

SUPPLEMENTAL DATA FOR CLAMSHELL RATING CHART

- Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
- Deduct weight of bucket, slings and all other load handling accessories from main boom ratings shown.
- 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. The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
- Rated loads do not exceed 66% of minimum tipping loads.
- Ratings are for operation on a firm and level surface, up to 1% gradient.
- At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
- Boom inserts and guy lines must be arranged as shown in the "operator's manual".
- Boom hoist reeving is 12 part line.
- Gantry must be in raised position for all conditions.
- Boom backstops are required for all boom lengths.
- The boom should be erected over the front of the crawlers, not laterally.
- Crawler frames must be fully extended for all crane operations.

(Clamshell bucket lifting)

- The total load that can be lifted is the value for weight of bucket, slings, and all other load handling accessories deducted from main boom ratings shown.
- The weight of bucket and materials must not exceed rated load.
- Optimum bucket should be required according to material. Bucket capacity (m^3) x specified gravity of material (ton/m^3) + bucket weight (ton) = rated load.
- Bucket weight must also be decreased according to operating cycle and bucket lowering height.
- Rated loads are determined by stability and boom strength. During simultaneous operations of boom and swing, rapid acceleration or deceleration must be avoided.
- Do not attempt to cast the bucket while swinging or diagonal draw-cutting.

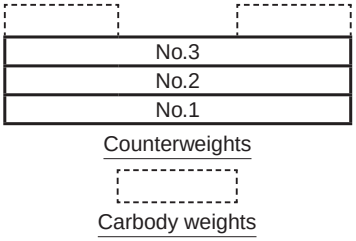
<Reference Information>

Main hoist loads

No. of Parts of Line	1
Maximum Loads (kN)	69
Maximum Loads (t)	7.0

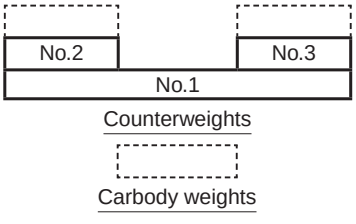
Assembling the counterweight

22.8 ton counterweight
without carbody weight
(Standard type)



Assembling the counterweight

(Equipped with self removal device)
17.7 ton counterweight
without carbody weight
(Optinal type)



- The lifting capacity does not change due to the type of counterweights. (Standard or optinal)

Operation of this equipment in excess of rated loads
or disregard of instruction voids the warranty.

Clamshell Rating Charts
Crane Boom Capacities

Counterweight: 22.8 t
Without Carbody Weight
Crawler Fully Extended

Unit: metric ton

Load radius (m) \ Boom length (m)	9.1	12.2	15.2	18.3	21.3				Boom length (m) \ Load radius (m)
5.0	7.0								**5.0**
5.5	7.0								**5.5**
6.0	7.0	7.0							**6.0**
7.0	7.0	7.0	7.0						**7.0**
8.0	7.0	7.0	7.0	7.0					**8.0**
9.0	7.0	7.0	7.0	7.0	7.0				**9.0**
10.0		7.0	7.0	7.0	7.0				**10.0**
12.0			7.0	7.0	7.0				**12.0**
14.0			7.0	7.0	7.0				**14.0**
16.0				7.0	7.0				**16.0**
18.0					7.0				**18.0**
20.0									**20.0**
22.0									**22.0**
24.0									**24.0**
26.0									**26.0**
28.0									**28.0**
30.0									**30.0**
32.0									**32.0**
34.0									**34.0**
36.0									**36.0**
38.0									**38.0**
40.0									**40.0**
42.0									**42.0**
44.0									**44.0**
Reeves	1	1	1	1	1				**Reeves**

Note:
Please refer rated chart in operator's cabin.

SUPPLEMENTAL DATA FOR REDUCED WEIGHTS RATING CHART

- Ratings according to EN13000.
- Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
- Deduct weight of hook block (s), slings and all other load handling accessories from main boom ratings shown.
- 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. The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
- Ratings are for operation on a firm and level surface, up to 1% gradient.
- At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
- Boom inserts and guy lines must be arranged as shown in the "operator's manual".
- Boom hoist reeving is 12 part line.
- Gantry must be in raised position for all conditions.
- Boom backstops are required for all boom lengths.
- The boom should be erected over the front of the crawlers, not laterally.
- Ratings inside of boxes ☐ are limited by strength of materials.
- The minimum rated load is 1.1 (ton).
- Crawler frames must be fully extended for all crane operations.

(Crane boom lifting)

- The total load that can be lifted is the value for weight of hook block, slings, and all other load handling accessories deducted from main boom ratings shown.

Main hoist loads

No. of Parts of Line	1	2	3	4	5
Maximum Loads (kN)	78	157	235	314	392
Maximum Loads (t)	8.0	16.0	24.0	32.0	40.0

No. of Parts of Line	6	7	8	9	10
Maximum Loads (kN)	471	549	628	706	785
Maximum Loads (t)	48.0	56.0	64.0	72.0	80.0

Auxiliary hoist loads

No. of Parts of Line	1
Maximum Loads (kN)	69
Maximum Loads (t)	7.0

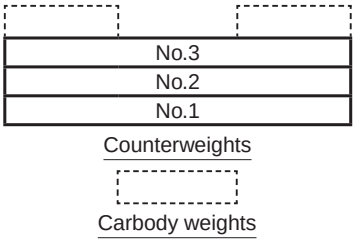
Weight of hook block					
Hook Block	80 t	50 t	32 t	19 t	7.0 t Ball Hook
Weight (t)	0.8	0.7	0.5	0.4	0.16

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

<Reference Information>

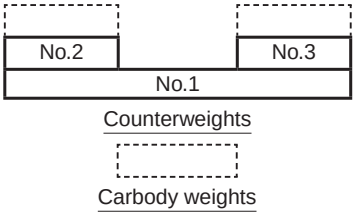
Assembling the counterweight

22.8 ton counterweight
without carbody weight
(Standard type)



Assembling the counterweight

(Equipped with self removal device)
17.7 ton counterweight
without carbody weight
(Optinal type)



- The lifting capacity does not change due to the type of counterweights. (Standard or optinal)

Reduced Weights Rating Charts
Crane Boom Lifting Capacities

Counterweight: 22.8 t
Without Carbody Weight
Crawler Fully Extended
Unit: metric ton

Load radius (m) \ Boom length (m)	9.1	12.2	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	Boom length (m) \ Load radius (m)
3.0	3.0m/73.8											**3.0**
3.5	68.7	3.6m/66.9										**3.5**
4.0	64.4	63.1	4.2m/58.4									**4.0**
4.5	55.4	55.4	53.3	4.7m/47.4								**4.5**
5.0	45.9	45.8	45.8	44.0	5.2m/38.9							**5.0**
5.5	39.2	39.1	39.0	39.0	37.2	5.7m/33.4						**5.5**
6.0	34.1	34.0	33.9	33.9	33.7	32.2	6.3m/29.2	6.8m/25.7				**6.0**
7.0	27.0	26.9	26.8	26.8	26.7	26.6	26.0	24.9	7.3m/22.7	7.9m/20.3		**7.0**
8.0	22.3	22.2	22.1	22.1	22.0	21.9	21.8	21.6	20.8	20.1	8.4m/18.4	**8.0**
9.0	19.0	18.9	18.7	18.7	18.6	18.5	18.4	18.3	18.3	17.7	17.1	**9.0**
10.0	9.2m/18.5	16.3	16.2	16.2	16.1	16.0	15.9	15.8	15.7	15.6	15.2	**10.0**
12.0		11.9m/12.9	12.7	12.6	12.5	12.4	12.3	12.2	12.2	12.0	12.0	**12.0**
14.0			10.3	10.3	10.2	10.1	10.0	9.8	9.8	9.7	9.6	**14.0**
16.0			14.5m/9.9	8.6	8.5	8.4	8.3	8.1	8.1	8.0	7.9	**16.0**
18.0				17.1m/7.9	7.2	7.1	7.0	6.9	6.8	6.7	6.6	**18.0**
20.0					19.8m/6.3	6.2	6.0	5.9	5.9	5.7	5.6	**20.0**
22.0						5.4	5.3	5.1	5.1	4.9	4.8	**22.0**
24.0						22.4m/5.3	4.6	4.5	4.4	4.3	4.2	**24.0**
26.0							25.1m/4.3	4.0	3.9	3.8	3.7	**26.0**
28.0								27.7m/3.5	3.5	3.3	3.2	**28.0**
30.0									3.1	2.9	2.8	**30.0**
32.0									30.3m/3.0	2.6	2.4	**32.0**
34.0										33.0m/2.3	2.1	**34.0**
36.0											35.0m/1.9	**36.0**
Reeves	10	9	8	6	5	5	4	4	3	3	3	**Reeves**

Load radius (m) \ Boom length (m)	42.7	45.7	48.8	51.8								Boom length (m) \ Load radius (m)
9.0	9.0m/16.5	9.4m/15.0										**9.0**
10.0	14.7	14.2	10.0m/13.7	10.5m/12.6								**10.0**
12.0	11.8	11.5	11.1	10.8								**12.0**
14.0	9.4	9.4	9.2	8.9								**14.0**
16.0	7.7	7.7	7.6	7.5								**16.0**
18.0	6.5	6.4	6.3	6.2								**18.0**
20.0	5.5	5.4	5.3	5.2								**20.0**
22.0	4.7	4.7	4.5	4.4								**22.0**
24.0	4.1	4.0	3.9	3.8								**24.0**
26.0	3.5	3.5	3.3	3.2								**26.0**
28.0	3.1	3.0	2.9	2.7								**28.0**
30.0	2.6	2.6	2.4	2.3								**30.0**
32.0	2.3	2.2	2.1	1.9								**32.0**
34.0	2.0	1.9	1.7	1.6								**34.0**
36.0	1.7	1.6	1.4	1.3								**36.0**
38.0	1.4	1.3	1.2	1.1								**38.0**
40.0	38.3m/1.3	1.1										**40.0**
42.0												**42.0**
44.0												**44.0**
46.0												**46.0**
48.0												**48.0**
50.0												**50.0**
Reeves	3	2	2	2								**Reeves**

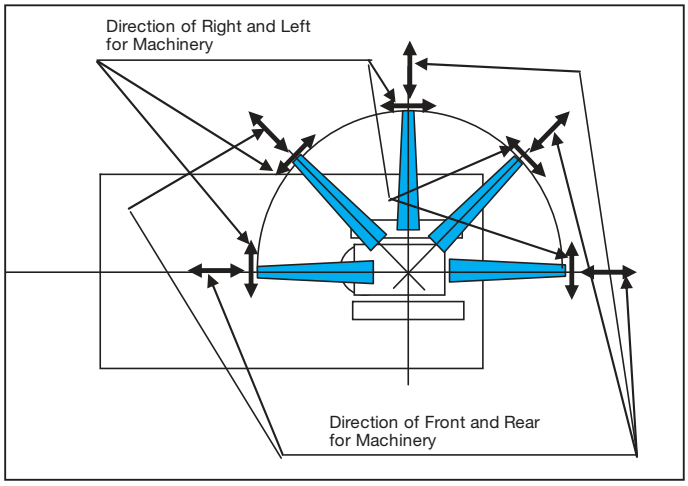
Note:
Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

SUPPLEMENTAL DATA FOR BARGE RATING CHART

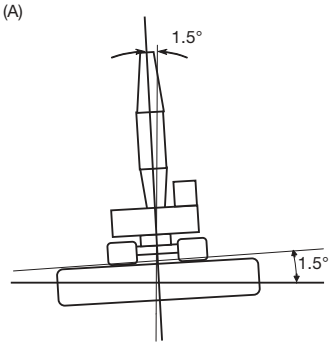
- Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
- Deduct weight of hook block (s), slings and all other load handling accessories from main boom ratings shown.
- Condition of barge stability this rating chart were determined under the condition below. The stability of barge shall meet below condition. During operation the machinery static inclination against horizontal level.

(A) Both sides (right & left) of machine
Maximum inclination shall be within 1.5 degrees

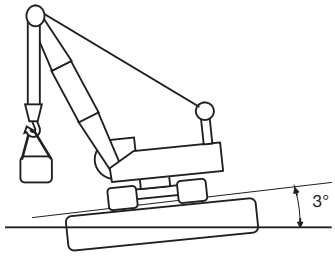
(B) Front & backward of macine
Maximum inclination shall be within 3.0 degrees



(A)



(B)



- Working area shall be inshore and smooth water.
- Applicable regulations for structure japanese construction codes for mobile crane
  ※ Regulation of class of shipping (abs, lloyd, bv, nk, etc) are not adapted.
- At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
- Boom inserts and guy lines must be arranged as shown in the "operator's manual".
- Boom hoist reeving is 12 part line.
- Gantry must be in raised position for all conditions.
- Boom backstops are required for all boom lengths.
- The boom should be erected over the front of the crawlers, not laterally.
- Ratings inside of boxes ☐ are limited by strength of materials.
- The minimum rated load is 1.1 (ton).
- Crawler frames must be fully extended for all crane operations.
- The machinery should be fastened to the deck of the barge to prevent tip over and sliding.
- Towing area
  Towing area shall be within coastal area and quiet wave condition. Offshore and open sea is not considered for this machinery. Depend on the height of wave, counterweight shall be reduced during towing.

(Crane Boom)

- The total load that can be lifted is the value for weight of hook block, slings, and all other load handling accessories deducted from main boom ratings shown.

<Reference Information>

Main hoist loads

No. of Parts of Line	1	2	3	4	5
Maximum Loads (kN)	78	157	235	314	392
Maximum Loads (t)	8.0	16.0	24.0	32.0	40.0

No. of Parts of Line	6	7
Maximum Loads (kN)	471	490
Maximum Loads (t)	48.0	50.0

Auxiliary hoist loads

No. of Parts of Line	1
Maximum Loads (kN)	69
Maximum Loads (t)	7.0

Weight of Hook Block					
Hook Block	80 t	50 t	32 t	19 t	7.0 t Ball Hook
Weight (t)	0.8	0.7	0.5	0.4	0.16

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

Assembling the counterweight

27.2 ton counterweight
6.5 ton carbody weight
(Standard type)

No.4		No.5
No.3		
No.2		
No.1		

Counterweights

☐

Carbody weights

Assembling the counterweight

(Equipped with self removal device)
26.1 ton counterweight
6.5 ton carbody weight
(Optinal type)

No.4		No.5
No.2		No.3
No.1		

Counterweights

☐

Carbody weights

- The lifting capacity does not change due to the type of counterweights (standard or optinal)

LIFTING CAPACITIES

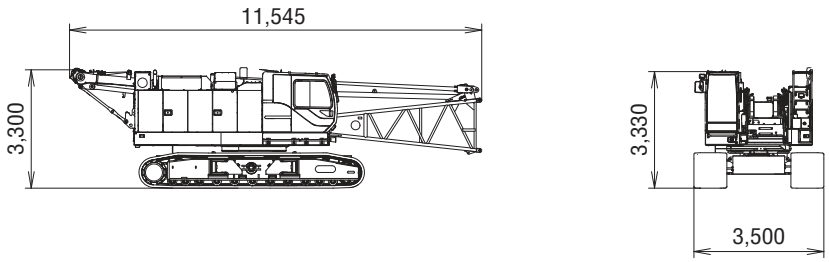
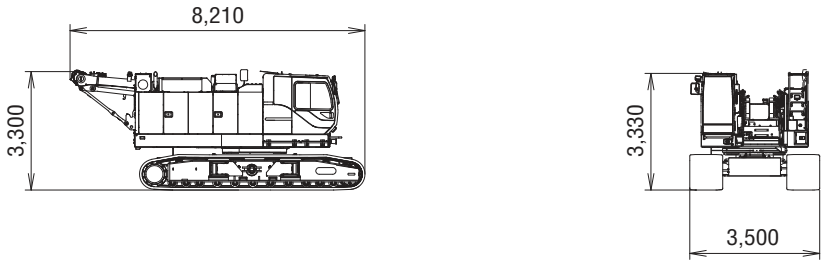
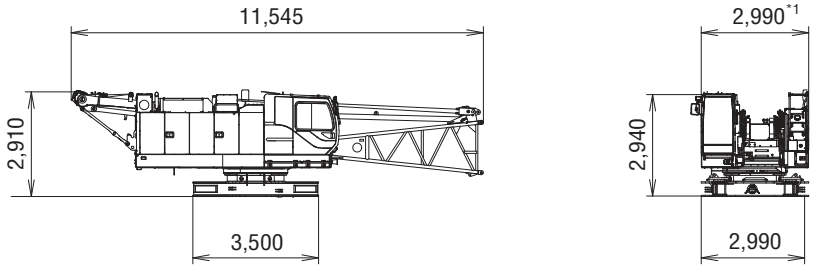
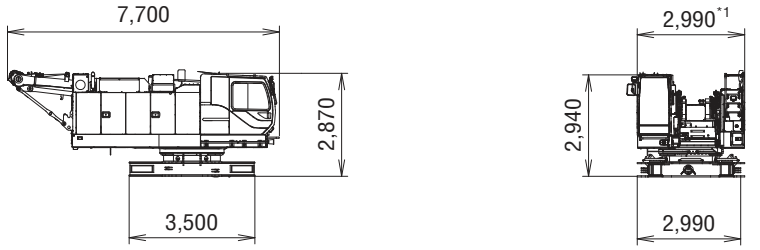
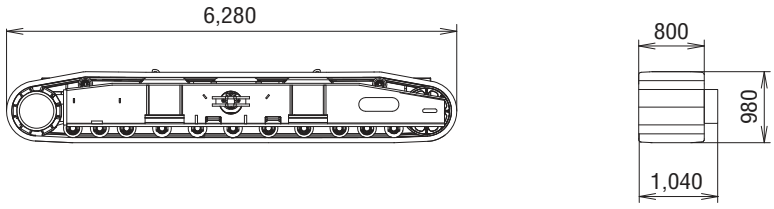
Barge Raiting Chart
Crane Boom Lifting Capacities

Counterweight: 27.2 t
Carbody Weight: 6.5 t
Crawler Fully Extended
Unit: metric tons

Load radius (m) \ Boom length (m)	12.2	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	Boom length (m) \ Load radius (m)
4.0	4.2m/50.0	4.9m/40.2								**4.0**
5.0	39.7	39.5	5.6m/34.9							**5.0**
6.0	32.8	32.6	32.4	6.3m/30.7	6.9m/27.3					**6.0**
7.0	27.9	27.7	27.4	27.4	27.2	7.6m/24.5				**7.0**
8.0	24.2	24.1	23.8	23.7	23.5	23.4	8.3m/22.1			**8.0**
9.0	21.3	21.2	21.0	20.9	20.7	20.5	20.3	20.2	9.7m/18.3	**9.0**
10.0	18.5	18.4	18.3	18.3	18.2	18.1	18.0	18.0	17.8	**10.0**
12.0	11.8m/13.2	14.8	14.7	14.6	14.5	14.4	14.3	14.2	14.1	**12.0**
14.0		11.2	12.0	11.8	11.8	11.7	11.6	11.5	11.4	**14.0**
16.0		14.5m/10.2	10.1	10.0	9.9	9.7	9.6	9.5	9.4	**16.0**
18.0			17.1m/8.0	8.5	8.4	8.3	8.2	8.1	8.0	**18.0**
20.0				19.8m/7.0	7.2	7.1	7.1	7.0	6.9	**20.0**
22.0					6.4	6.3	6.1	6.0	5.9	**22.0**
24.0					22.4m/5.9	5.5	5.5	5.3	5.2	**24.0**
26.0						25.0m/5.1	4.8	4.7	4.6	**26.0**
28.0							27.7m/4.3	4.2	4.0	**28.0**
30.0								3.8	3.7	**30.0**
32.0								30.3m/3.7	3.3	**32.0**
34.0									33.0m/3.0	**34.0**
Reeves	7	6	5	4	4	4	3	3	3	**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 structual components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

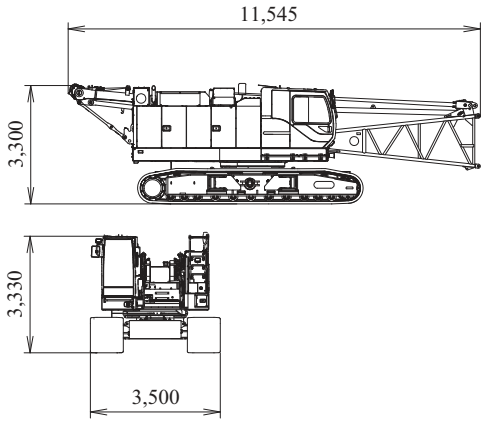
TRANSPORTATION PLAN

Name	Dimension	Weight (kg)
Base Machine • Boom base • Gantry • Crawler • Wire rope (Front / rear / boom hoist)		39,850
Base Machine • Gantry • Crawler • Wire rope (Front / rear / boom hoist)		37,880
Base Machine • Boom base • Gantry • Wire rope (Front / rear / boom hoist) • Without crawler • Without side steps		25,490
Base Machine • Gantry • Wire rope (Front / rear / boom hoist) • Without crawler • Without side steps		23,520
Crawler		7,180

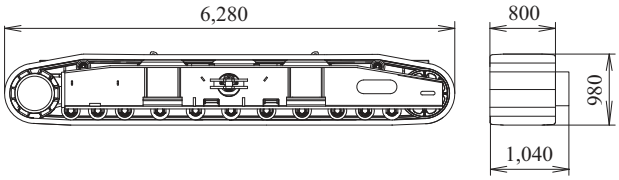
*1 With the side step on cabin side : 3,170
With the side steps on the both sides : 3,340

PARTS AND ATTACHMENTS

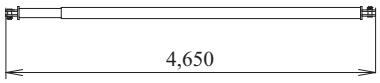
Base Machine
Boom base, Gantry, Crawler, Wire rope (Front/rear/boom hoist)
Weight: 39,850 kg Width: 3,500 mm



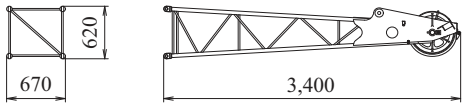
Crawler
Weight: 7,180 kg



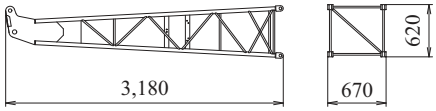
Backstop
Weight: 245 kg



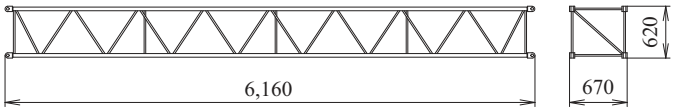
Jib Tip
Weight: 145 kg



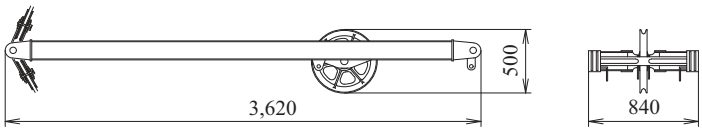
Jib Base
Weight: 125 kg



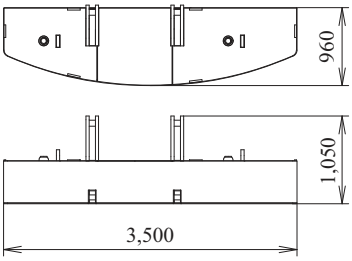
6.1 m
Jib Insert
Weight: 140 kg



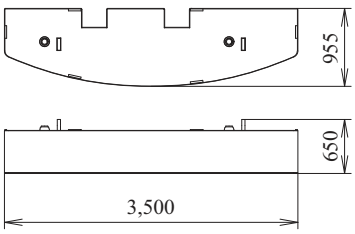
Jib Strut
Weight: 190 kg



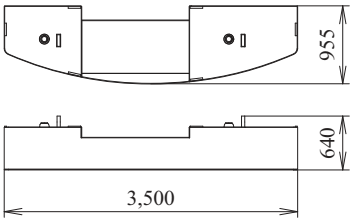
Counterweight No.1
Weight: 8,530 kg



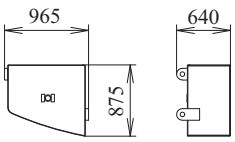
Counterweight No.2
Weight: 7,860 kg



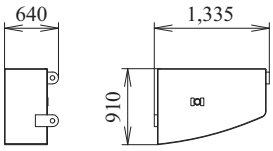
Counterweight No.3
Weight: 6,410 kg



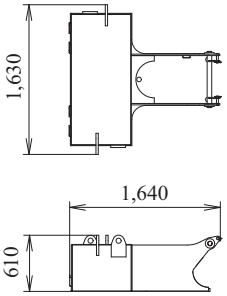
Counterweight No.4 (L)
Weight: 1,660 kg



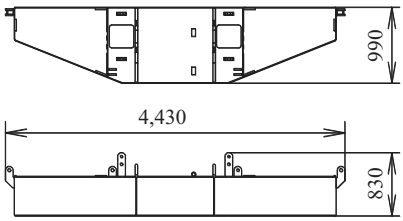
Counterweight No.4 (R)
Weight: 2,740 kg



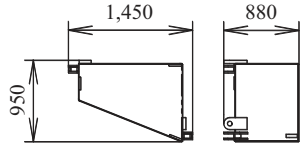
Carbody Weight
Weight: 3,270 kg / 1 piece



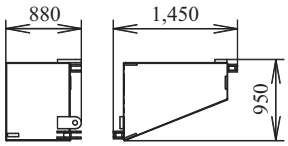
Counterweight (1) (Option)
Weight: 9,320 kg



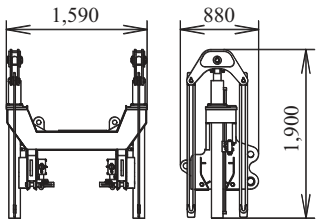
Counterweight (L) (2) (4) (Option)
Weight: 4,200 kg



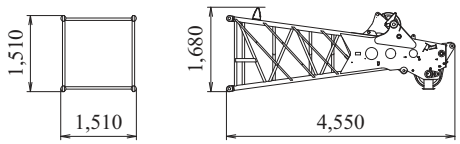
Counterweight (R) (3) (5) (Option)
Weight: 4,200 kg



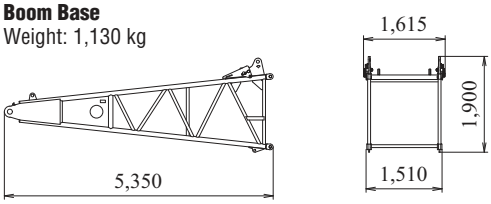
Self Removal Unit (Option)
Weight: 860 kg



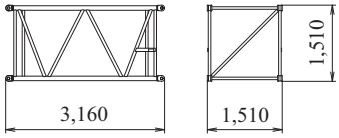
Boom Tip
Weight: 1,110 kg



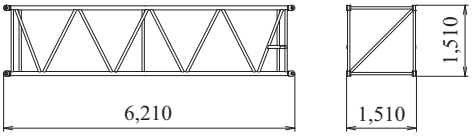
Boom Base
Weight: 1,130 kg



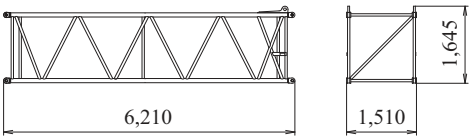
3.0 m
Boom Insert
Weight: 311 kg



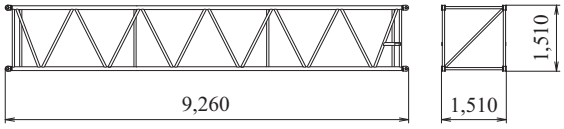
6.1 m
Boom Insert
Weight: 522 kg



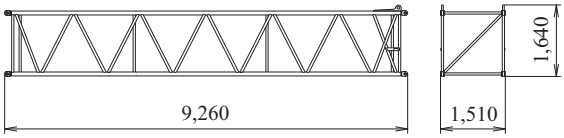
6.1 m
Boom Insert With Lug
Weight: 545 kg



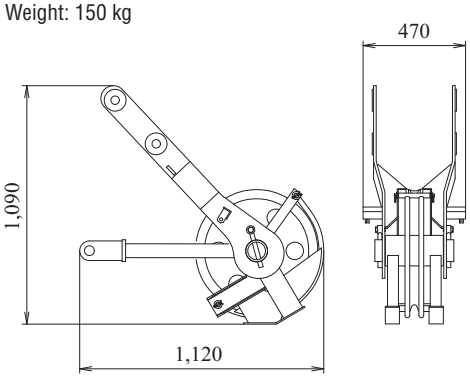
9.1 m
Boom Insert
Weight: 742 kg



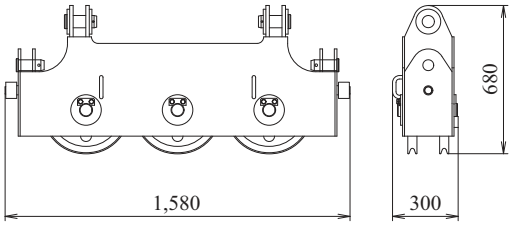
9.1 m
Boom Insert With Lug
Weight: 765 kg



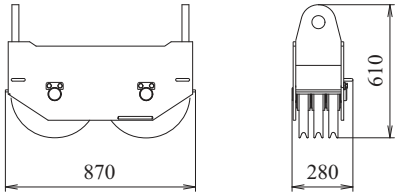
Auxiliary Sheave
Weight: 150 kg



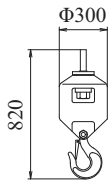
Upper Spreader
Weight: 280 kg



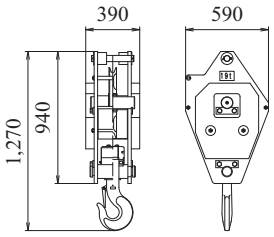
Lower Spreader
Weight: 215 kg



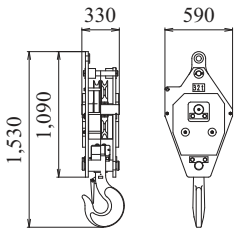
Ball Hook
Weight: 160 kg



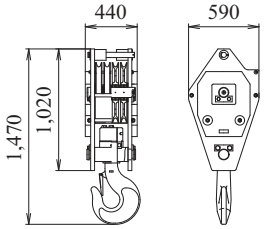
19 t Hook
Weight: 400 kg



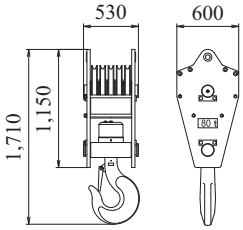
32 t Hook
Weight: 500 kg



50 t Hook
Weight: 650 kg



80 t Hook
Weight: 800 kg



Note: This catalog may contain photographs of machines with specifications, attachments and optional equipment not certified for operation in your country. Please consult KOBELCO for those items you may require. Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

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Bulletin No. CKS800-SPEC-NR3

141101F Printed in Japan

Hydraulic Crawler Crane

CKS

900

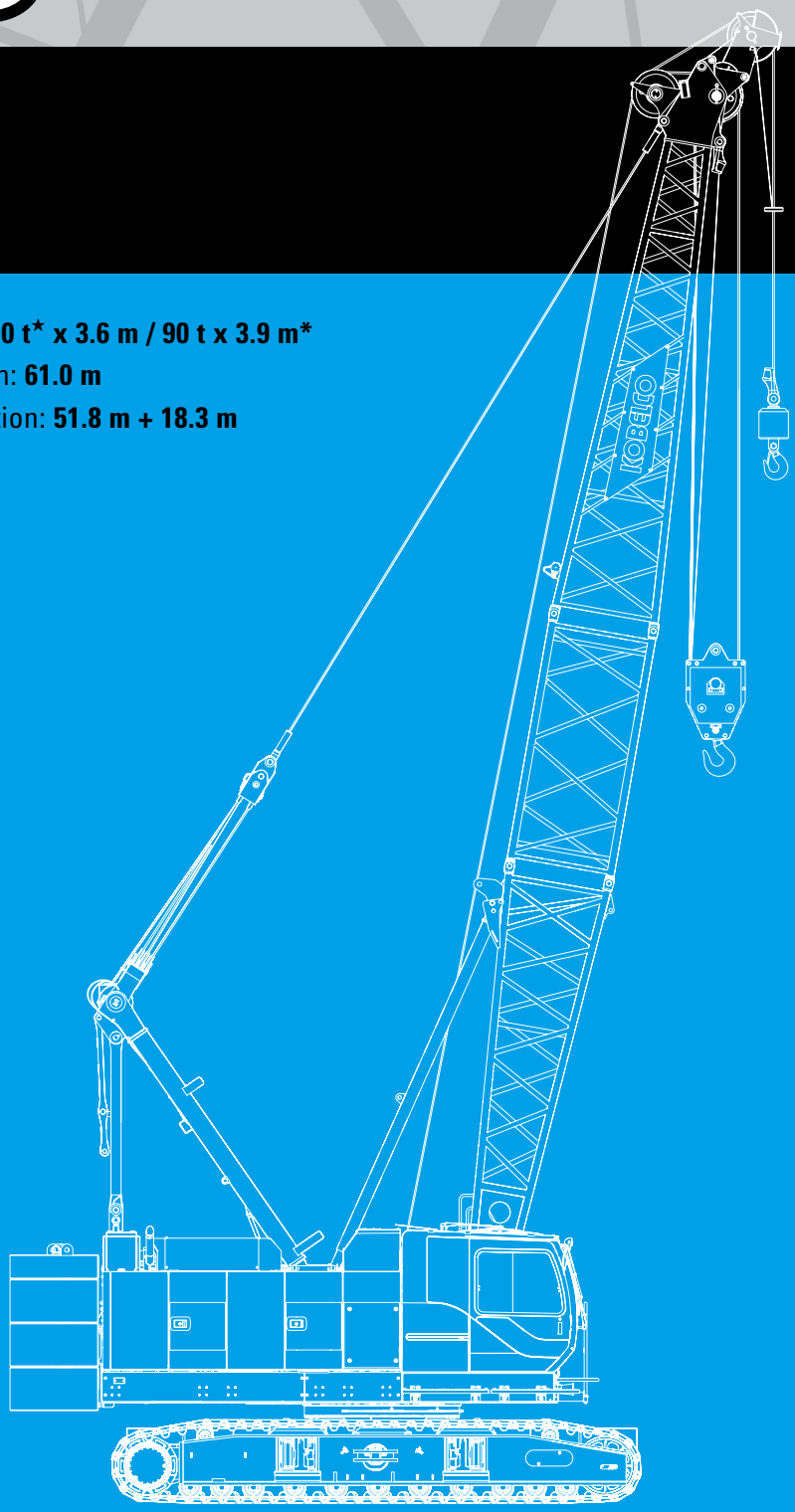
Model : CKS900

Max. Lifting Capacity: **100 t* x 3.6 m / 90 t x 3.9 m***

Max. Crane Boom Length: **61.0 m**

Max. Fixed Jib Combination: **51.8 m + 18.3 m**

* The value are theorical result.
* Auxiliary sheave is necessary.



KOBELCO

CKS900
CONTENTS

SPECIFICATIONS

Power Plant

Model: HINO J08E-VM
Type: 4 cycle, water-cooled, vertical in-line 6, direct injection, turbo-charger, intercooler
Exhaust level is equivalent with NRMM (Europe) Stage ⅢA and/or US EPA Tier3.
Displacement: 7,684 liters
Rated power: 213 kW/2,100 min^{-1}
Max. Torque: 1,017 N·m/1,600 min^{-1}
Cooling System: Water-cooled
Starter: 24V-5kW
Radiator: Corrugated type core, thermostatically controlled
Air cleaner: Dry type with replaceable paper element
Throttle: Twist grip type hand throttle, electrically actuated
Fuel filter: Replaceable paper element
Batteries: Two 12V x 136 Ah/5HR capacity batteries, series connected
Fuel tank capacity: 400 liters

Hydraulic System

Main pumps: 3 variable displacement piston pumps
Control: Full-flow hydraulic control system for infinitely variable pressure to all winches, propel and swing. 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
Max. relief valve pressure:
Load hoist, boom hoist and propel system: 31.9 MPa
Swing system: 27.5 MPa
Control system: 5.4 MPa
Hydraulic Tank Capacity: 440 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 16mm dia. wire rope
Line Speed: Single line on first drum layer
Hoisting/Lowering: 70 to 2 m/min
Boom hoisting/lowering: 16 mm x 150 m
Boom guy line: 30 mm
Boom backstops: Required for all boom length

Load Hoisting 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)
Drum Lock: External ratchet for locking drum
Drums:
Front Drums:
614 mm P.C.D x 617 mm wide drum, grooved for 26 mm wire rope. Rope capacity is 240 m working length and 360 m storage length.
Rear Drum: 614 mm P.C.D x 617 mm, grooved for 26 mm wire rope. Rope capacity is 165 m working length and 360 m storage length.
Diameter of wire rope
Main winch: 26 mm x 240 m
Aux. winch: 26 mm x 165 m
Third winch: 22 mm x 145 m
Line Speed*:
Hoisting/lowering: 120 to 3 m/min
Line Pull:
Max. Line Pull*: 208 kN {21.2 ft}
(Referential performance)
Rated Line Pull: 112 kN {11.4 ft}
*Single line on first drum layer

Swing System

Swing unit is powered by hydraulic motor driving spur gears through planetary reducer, the swing system provides 360° rotation.
Swing parking 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: 4.0 min^{-1}

Upper Structure

Torsion-free precision machined upper frame. All components are located clearly and service friendly. Engine will with low noise level.
Counterweight: 31.9 ton

Cab & Control

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

Cab fittings:

Air conditioner, convenient compartment (for tool), cup holder, cigarette lighter, sun visor, roof blind, tinted glass, floor mat, footrest, and shoe tray

Lower Structure

Steel-welded carbody with axles. Crawler assemblies can be hydraulically extended for wide-track operation or retracted for transportation. Crawler belt tension is maintained by hydraulic jack force on the track-adjusting bearing block.

Carbodyweight: 14.4 ton

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.

Shoe (flat): 800 mm wide each crawler

Max. gradeability: 40%

Weight

Including upper and lower machine, 31.9 ton counterweight and 14.4 ton carbody weight, basic boom (or basic boom + basic jib), hook, and other accessories.

Weight: 90.1 ton

Ground pressure: 101 kPa

Attachment

Boom & Jib:

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

Boom and Jib length

	Min. Length (Min. combination)	Max. Length (Max. combination)
Crane Boom	12.2 m	61.0 m
Fixed Jib	24.4 m + 9.1 m	51.8 m + 18.3 m

Main Specifications (Model: CKS900)

Crane Boom	
Max. Lifting Capacity	100 t ★ x 3.6 m / 90 t x 3.9 m *3
Max. Length	61.0 m
Fixed Jib	
Max. Lifting Capacity	10.9 t x 18.0 m
Max . Combination	51.8 m + 18.3 m
Main & Aux. Winch	
Max. Line Speed (1st layer)	120 m/min
Rated Line Pull (Single line)	112 kN {11.4 tf}
Wire Rope Diameter	26 mm
Wire Rope Length	240 m (Main), 165 m (Aux)
Brake Type (free fall)	Wet-type multiple disc brake (Optional)
Working Speed	
Swing Speed	4.0 min^{-1}{rpm}
Travel Speed	1.7/1.1 km/h
Power Plant	
Model	HINO J08E-VM
Engine Output	213 kW/2100min^{-1}
Fuel Tank	400 liters

Hydraulic System	
Main Pumps	3 variable displacement
Max. Pressure	31.9 MPa {325 kgf/cm^2}
Hydraulic Tank Capacity	440 liters
Self-Removal Device	
	Counterweight/self-removal device (Option)
Weight	
Operating Weight	90.0 t *1
Ground Pressure	101.5 kPa
Counterweight	31,900 kg
Transport Weight	41,360 kg *2

Units are SI units. { } indicates conventional units.
Line speeds in table are for light loads. Line speed varies with load.

*1 Including upper and lower machine, 31.9 ton counterweight, 14.4 ton carbody weight, basic boom, hook, and other accessories.

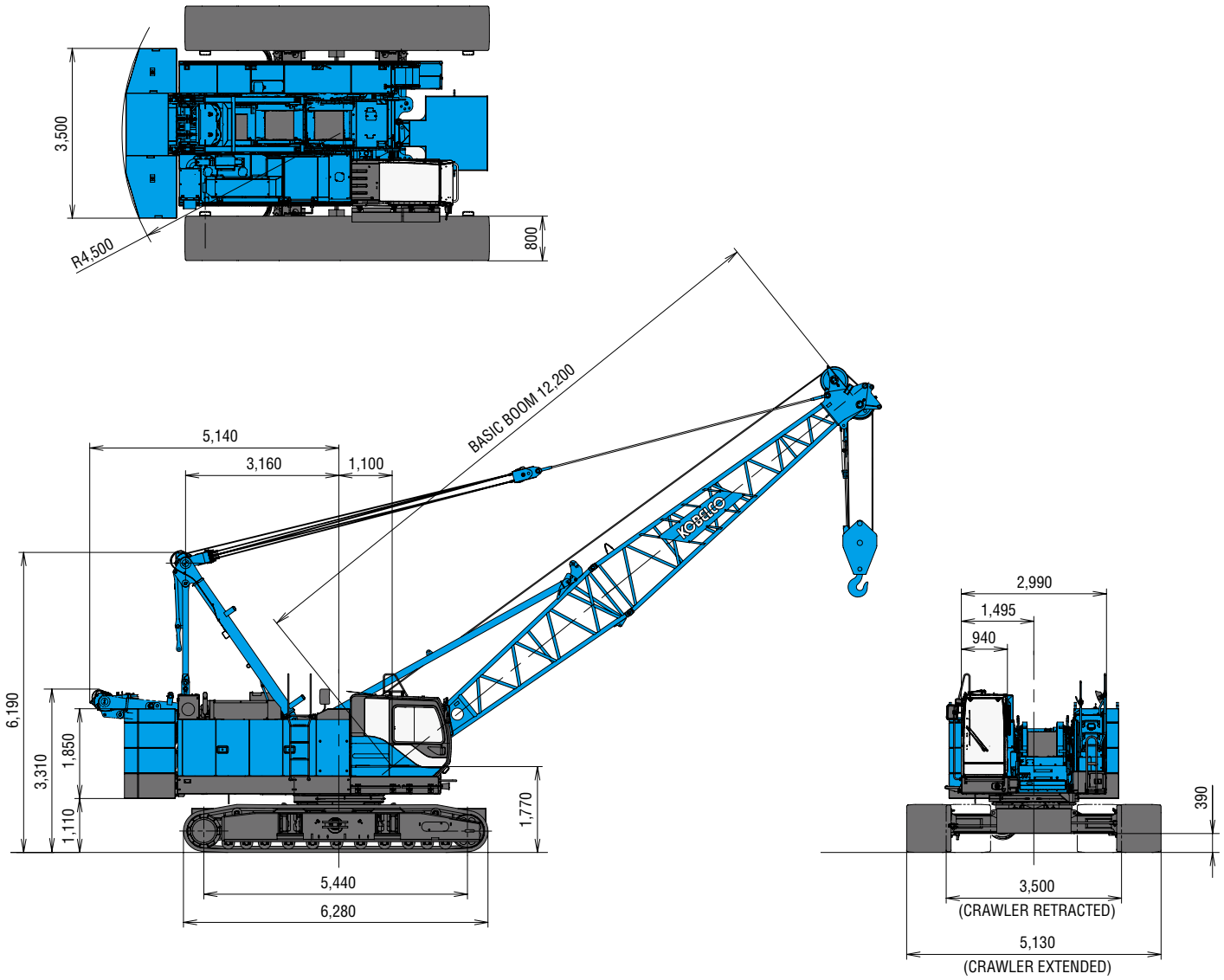
*2 Base machine with boom base, gantry, crawlers, and wire ropes (front/boom hoist)

*3 Auxiliary sheave is must.

★ The value are theorical result.

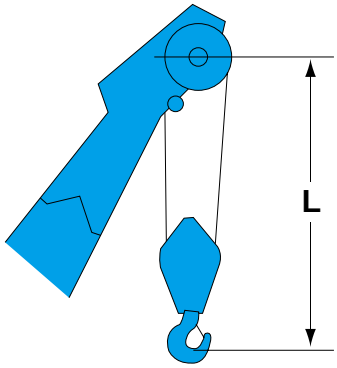
GENERAL DIMENSIONS

(Unit: mm)

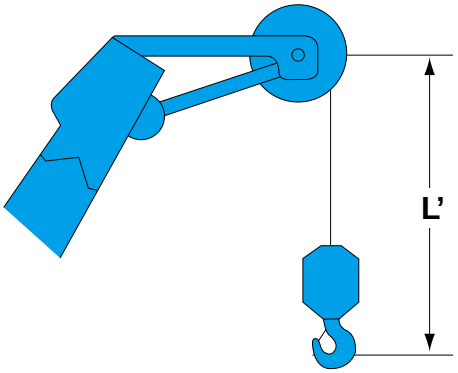


This catalog may contain photographs of machines with specifications, attachments and optional equipment.

Limit of Hook Lifting



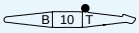
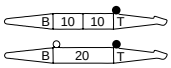
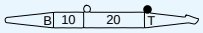
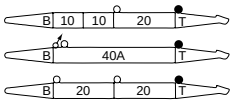
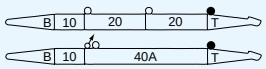
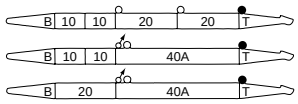
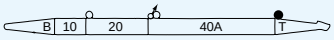
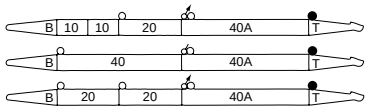
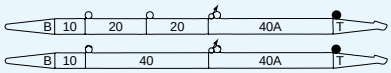
Hook	L
90 t hook	4.1 m
70 t hook	4.1 m
50 t hook	4.0 m
35 t hook	3.9 m

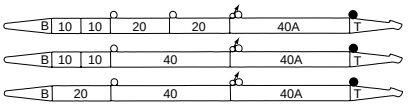
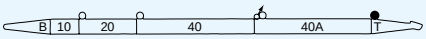
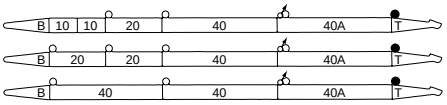
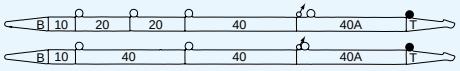
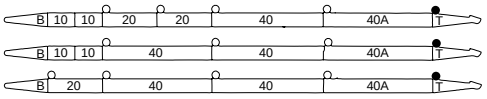
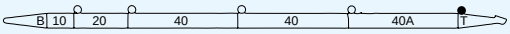
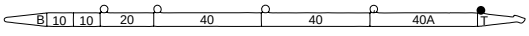


Hook	L'
Ball hook	3.5 m

BOOM AND JIB ARRANGEMENTS

Crane Boom Arrangements

Boom length m (ft)	Boom arrangement
12.2 (40)	
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)	※ 

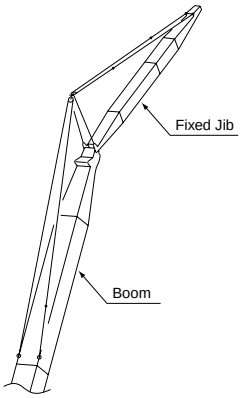
Symbol	Boom Length	Remarks
B	5.8 m	Boom Base
T	6.4 m	Boom Top
10	3.0 m	Insert Boom
20	6.1 m	Insert Boom
40	12.2 m	Insert Boom
40A	12.2 m	Insert Boom with lug

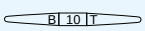
↗ mark shows the boom insert with lug attached and the guy line installing position when the fixed jib is used.

※ mark shows the standard boom arrangement which make the boom arrangement of less than the each boom length possible.

○ mark shows the installing of the cable roller for the insert boom.

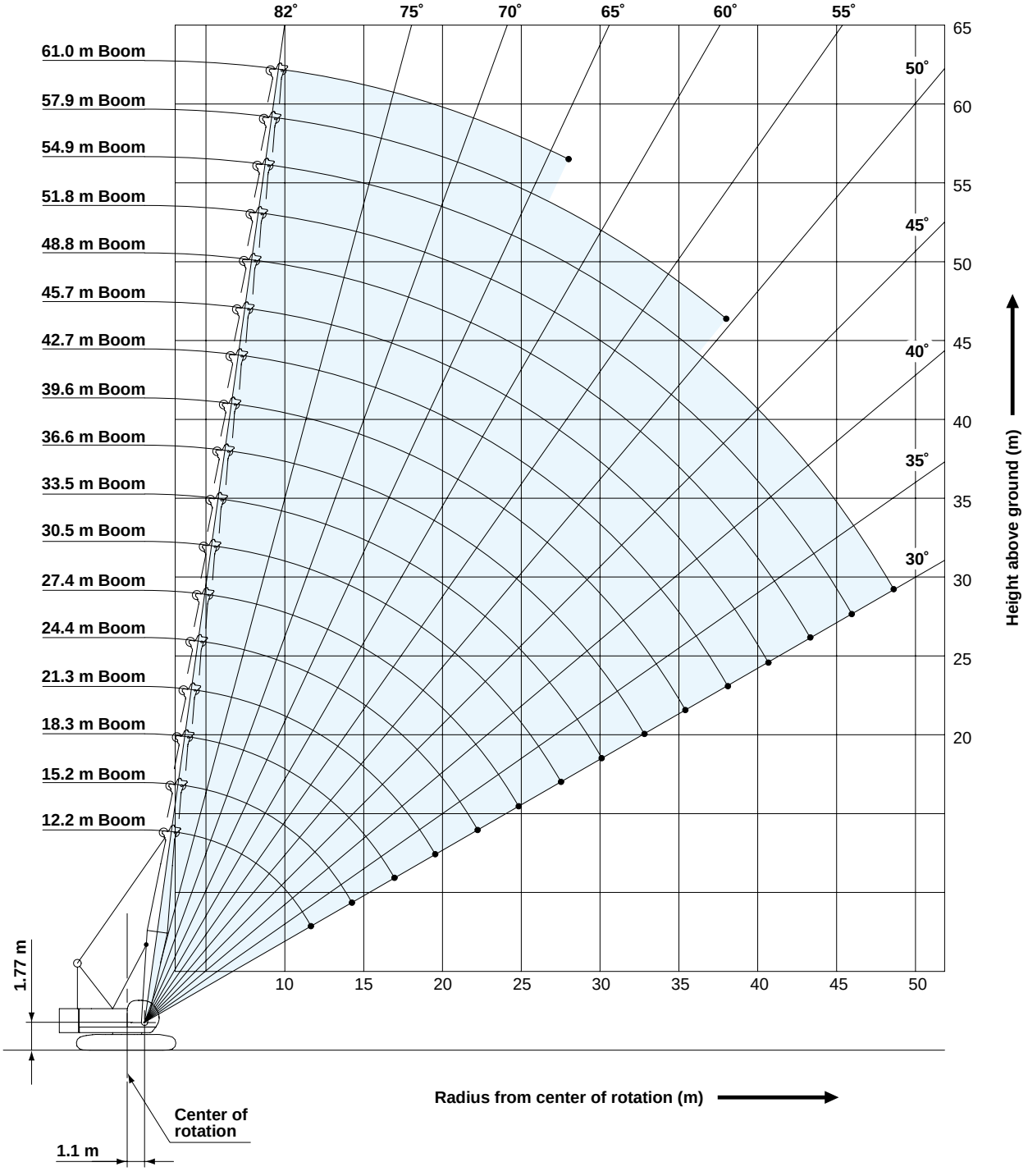
Fixed Jib Arrangements



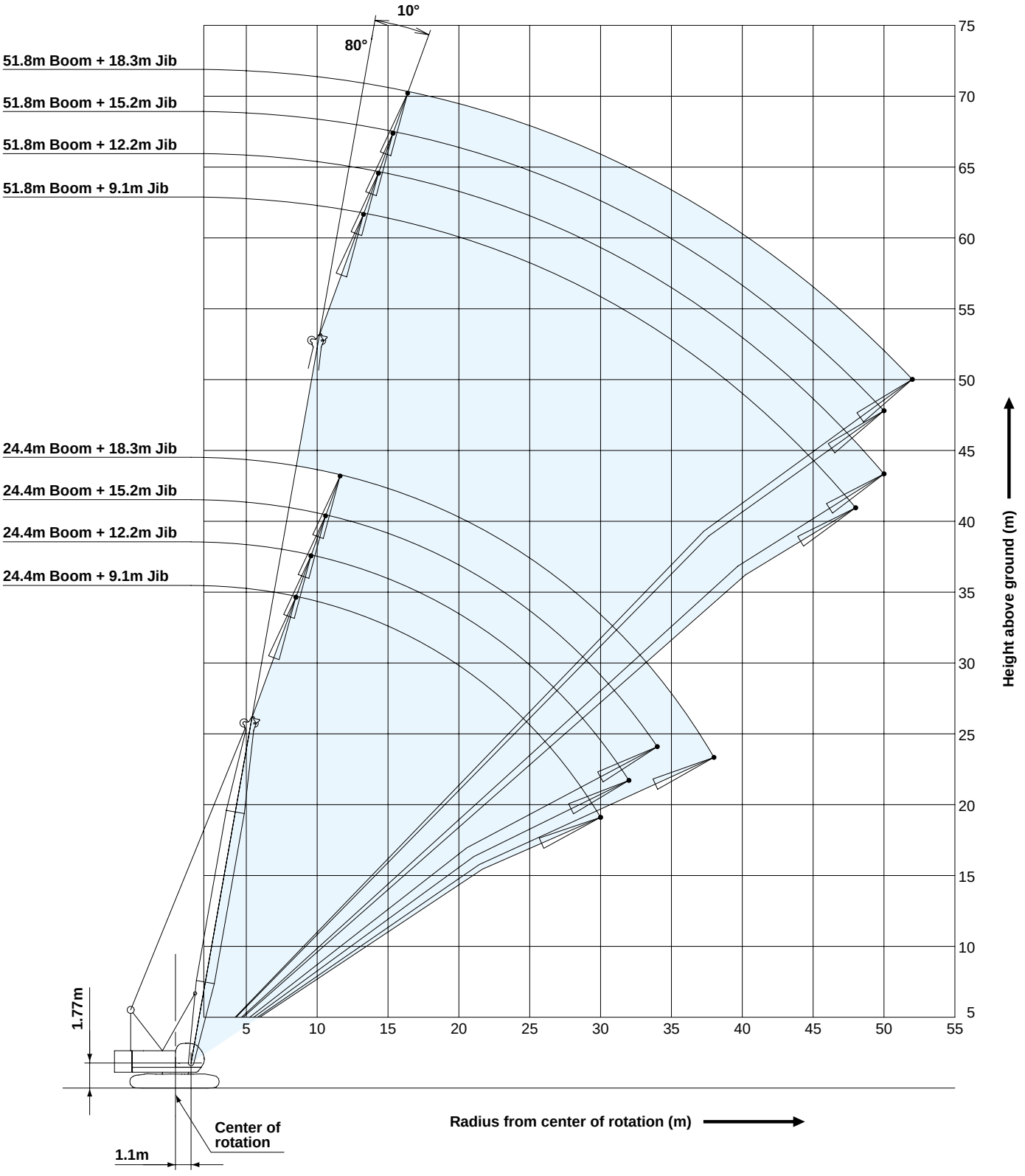
Crane boom length	Jib length m (ft)	Jib arrangement
24.4 m ～ 51.8 m	9.1 (30)	
	12.2 (40)	
	15.2 (50)	
	18.3 (60)	

Symbol	Jib Length	Remarks
B	4.6 m	Jib Base
T	4.6 m	Jib Top
10	3.0 m	Insert Jib
20	6.1 m	Insert Jib

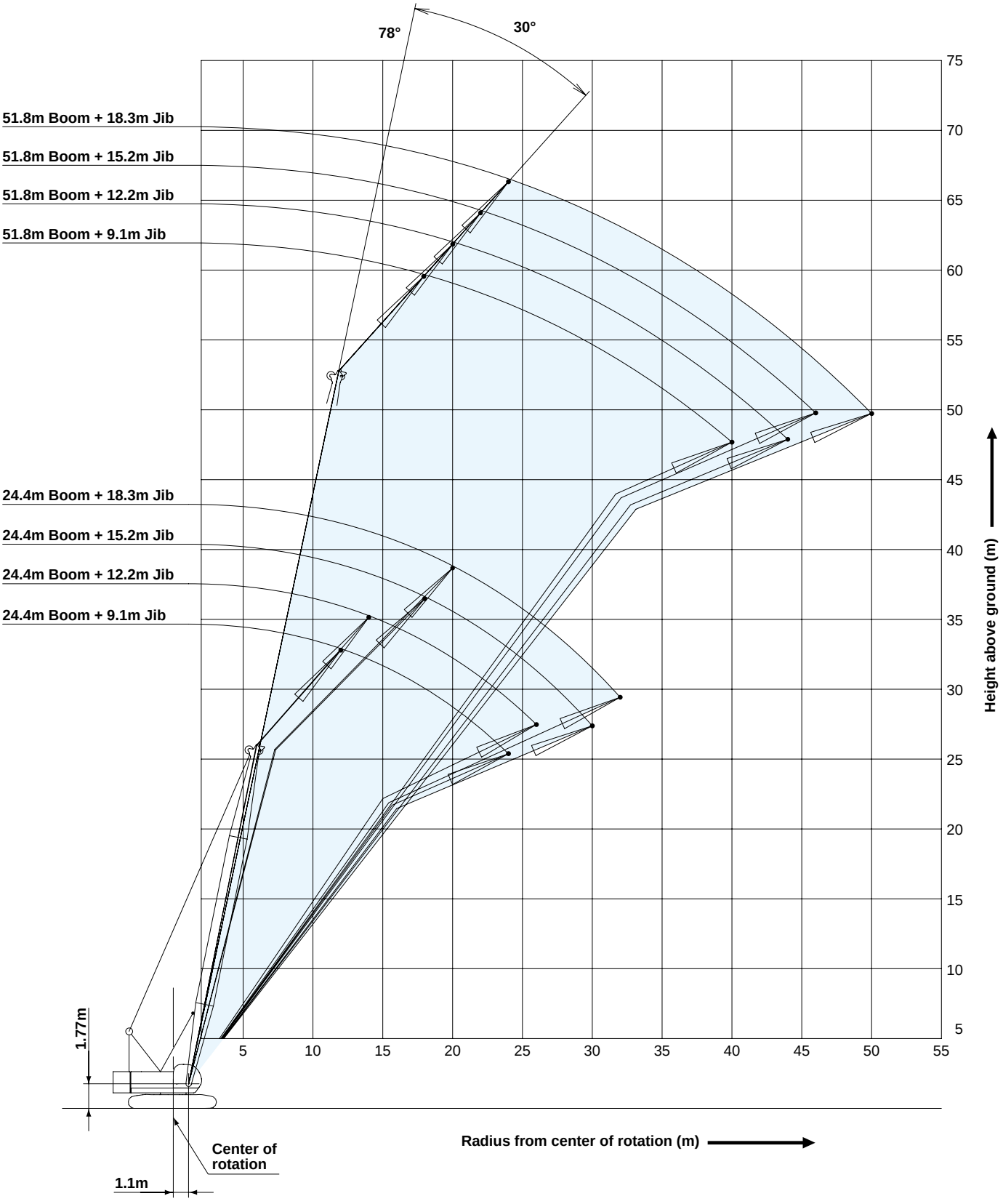
Crane Boom


82°
75°
70°
65°
60°
55°
50°
45°
40°
35°
30°
61.0 m Boom
57.9 m Boom
54.9 m Boom
51.8 m Boom
48.8 m Boom
45.7 m Boom
42.7 m Boom
39.6 m Boom
36.6 m Boom
33.5 m Boom
30.5 m Boom
27.4 m Boom
24.4 m Boom
21.3 m Boom
18.3 m Boom
15.2 m Boom
12.2 m Boom
65
60
55
50
45
40
35
30
25
20
10
15
20
25
30
35
40
45
50
Height above ground (m)
Radius from center of rotation (m)
1.77 m
Center of rotation
1.1 m

Fixed Jib 10°


10°
80°
51.8m Boom + 18.3m Jib
51.8m Boom + 15.2m Jib
51.8m Boom + 12.2m Jib
51.8m Boom + 9.1m Jib
24.4m Boom + 18.3m Jib
24.4m Boom + 15.2m Jib
24.4m Boom + 12.2m Jib
24.4m Boom + 9.1m Jib
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
5
10
15
20
25
30
35
40
45
50
55
Height above ground (m)
Radius from center of rotation (m)
1.77m
Center of rotation
1.1m

Fixed Jib 30°


78°
30°
51.8m Boom + 18.3m Jib
51.8m Boom + 15.2m Jib
51.8m Boom + 12.2m Jib
51.8m Boom + 9.1m Jib
24.4m Boom + 18.3m Jib
24.4m Boom + 15.2m Jib
24.4m Boom + 12.2m Jib
24.4m Boom + 9.1m Jib
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
Height above ground (m)
5
10
15
20
25
30
35
40
45
50
55
Radius from center of rotation (m)
1.77m
Center of rotation
1.1m

SUPPLEMENTAL DATA

- Ratings according to EN13000.
- Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
- Deduct weight of hook block (s), slings and all other load handling accessories from main boom ratings shown.
- 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.
  The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
- Ratings are for operation on a firm and level surface, up to 1 % gradient.
- At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
- Boom inserts and guy lines must be arranged as shown in the "operator's manual".
- Boom hoist reeving is 12 part line.
- Gantry must be in raised position for all conditions.
- Boom backstops are required for all boom lengths.
- The boom should be erected over the front of the crawlers, not laterally.
- Ratings inside of boxes ☐ are limited by strength of materials.
- The minimum rated load is 1.4 (ton).
- Crawler frames must be fully extended for all crane operations.

(Crane boom lifting)

- The total load that can be lifted is the value for weight of main hook block, slings, and all other load handling accessories deducted from crane boom ratings shown.

(Fixed jib lifting)

- The total load that can be lifted is the value for weight of jib hook block, slings, and all other load handling accessories deducted from fixed jib ratings shown.
- The availability of fixed jib mounting
  - On crane boom : Range 24.4 m to 51.8 m.

<Reference Information>

Main hoist loads

No. of Parts of Line	1	2	3	4	5
Maximum Loads (kN)	112	224	335	447	559
Maximum Loads (t)	11.4	22.8	34.2	45.6	57.0

No. of Parts of Line	6	7	8
Maximum Loads (kN)	671	779	883
Maximum Loads (t)	68.4	79.4	90.0

Auxiliary hoist loads

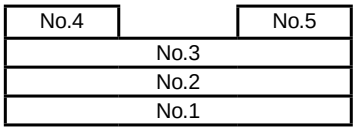
No. of Parts of Line	1
Maximum Loads (kN)	108
Maximum Loads (t)	11.0

Weight of hook block					
Hook Block	90 t	70 t	50 t	35 t	Ball Hook
Weight (t)	1.3	0.9	0.85	0.7	0.3

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

Assembling the counterweight

31.9 ton counterweight
14.4 ton carbody weight
(standard type)



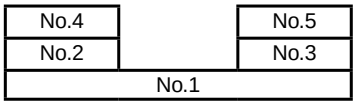
Counterweights

☐

Carbody weights

Assembling the counterweight

(Equipped with self removal device)
31.3 ton counterweight
14.4 ton carbody weight
(optional type)



Counterweights

☐

Carbody weights

- The lifting capacity does not change due to the type of counterweights (standard or optional).

LIFTING CAPACITIES

Crane Boom Lifting Capacities

Counterweight: 31.9 t
Carbody Weight: 14.4 t

Unit: metric ton

Working radius (m) \ Boom length (m)	12.2	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	Boom length (m) \ Working radius (m)
3.6	100.0*										**3.6**
3.9	90.0	89.9	89.7								**3.9**
4.0	89.0	88.9	88.7	4.3m/68.4							**4.0**
4.5	79.6	79.5	79.4	68.4	4.7m/68.4						**4.5**
5.0	72.1	71.9	71.8	68.4	67.6	5.1m/57.0					**5.0**
5.5	65.8	65.7	65.5	63.6	60.6	57.0	5.6m/54.0				**5.5**
6.0	60.5	60.3	59.9	57.5	54.9	52.7	50.5	45.6	6.4m/41.9	6.8m/34.2	**6.0**
7.0	48.6	48.5	48.4	48.1	46.2	44.5	42.9	41.5	40.0	34.2	**7.0**
8.0	39.9	39.8	39.7	39.9	39.8	38.5	37.2	36.1	35.0	33.9	**8.0**
9.0	33.8	33.7	33.6	33.8	33.6	33.6	32.8	31.9	31.0	30.1	**9.0**
10.0	29.3	29.2	29.1	29.2	29.1	29.0	28.9	28.5	27.7	27.0	**10.0**
12.0	11.8m/22.9	22.9	22.8	22.9	22.8	22.7	22.6	22.6	22.5	22.3	**12.0**
14.0		18.8	18.6	18.8	18.6	18.5	18.4	18.4	18.3	18.3	**14.0**
16.0		14.4m/18.1	15.7	15.8	15.7	15.6	15.5	15.4	15.3	15.3	**16.0**
18.0			17.0m/14.5	13.7	13.5	13.4	13.3	13.2	13.1	13.1	**18.0**
20.0				19.6m/12.2	11.8	11.7	11.6	11.5	11.4	11.4	**20.0**
22.0					10.5	10.4	10.2	10.2	10.0	10.0	**22.0**
24.0					22.3m/10.3	9.3	9.1	9.1	8.9	8.9	**24.0**
26.0						24.9m/8.8	8.2	8.2	8.0	8.0	**26.0**
28.0							27.6m/7.6	7.4	7.2	7.2	**28.0**
30.0								6.8	6.6	6.5	**30.0**
32.0								30.2m/6.7	6.0	6.0	**32.0**
34.0									32.9m/5.8	5.5	**34.0**
36.0										35.5m/5.1	**36.0**
Reeves	8	8	8	6	6	5	5	4	4	4	**Reeves**

Working radius (m) \ Boom length (m)	42.7	45.7	48.8	51.8	54.9	57.9	61.0	Boom length (m) \ Working radius (m)
7.0	7.3m/31.9	7.7m/28.0						**7.0**
8.0	31.4	27.8	8.1m/22.1	8.5m/19.2				**8.0**
9.0	29.2	26.2	20.8	18.6	16.2	9.4m/13.9	9.8m/11.8	**9.0**
10.0	26.2	24.5	19.5	17.4	15.2	13.4	11.7	**10.0**
12.0	21.7	21.2	17.3	15.4	13.3	11.7	10.2	**12.0**
14.0	18.1	18.0	15.5	13.8	11.9	10.4	9.0	**14.0**
16.0	15.2	15.1	14.1	12.4	10.7	9.3	8.0	**16.0**
18.0	12.9	12.9	12.8	11.4	9.7	8.4	7.2	**18.0**
20.0	11.2	11.2	11.1	10.4	8.9	7.6	6.5	**20.0**
22.0	9.9	9.8	9.8	9.6	8.1	7.0	5.9	**22.0**
24.0	8.7	8.7	8.6	8.5	7.5	6.4	5.4	**24.0**
26.0	7.8	7.7	7.7	7.6	6.9	5.9	4.9	**26.0**
28.0	7.0	7.0	6.9	6.8	6.4	5.4	4.5	**28.0**
30.0	6.4	6.3	6.3	6.1	6.0	5.0	4.1	**30.0**
32.0	5.8	5.7	5.7	5.6	5.4	4.6	3.8	**32.0**
34.0	5.3	5.2	5.1	5.0	4.9	4.3	3.4	**34.0**
36.0	4.8	4.8	4.7	4.6	4.4	4.0	3.2	**36.0**
38.0	4.4	4.4	4.2	4.1	4.0	3.6	2.9	**38.0**
40.0	38.1m/4.4	4.0	3.9	3.8	3.6	3.3	2.6	**40.0**
44.0		40.8m/3.9	43.4m/3.3	3.1	3.0	2.8	2.1	**44.0**
48.0				46.1m/2.8	2.5	2.2	1.7	**48.0**
52.0					48.7m/2.4	51.4m/1.8		**52.0**
Reeves	4	4	2	2	2	2	2	**Reeves**

Note:
Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.
* The value are theorical result.

Fixed Jib Lifting Capacities (Without Main Hook Block)
(Jib Offset Angle : 10°)

Counterweight: 31.9 t
Carbody Weight: 14.4 t

Unit: metric ton

Working radius (m)	Boom length (m)	24.4				27.4				30.5				Boom length (m)	Working radius (m)
	Jib length (m)	9.1	12.2	15.2	18.3	9.1	12.2	15.2	18.3	9.1	12.2	15.2	18.3	Jib length (m)	
9.0		10.9												9.0	
10.0		10.9				10.9				10.9				10.0	
12.0		10.9	10.9	9.0		10.9	10.9	9.0		10.9	10.9			12.0	
14.0		10.9	10.9	9.0	8.1	10.9	10.9	9.0	8.1	10.9	10.9	9.0	8.1	14.0	
16.0		10.9	10.5	8.7	7.7	10.9	10.9	9.0	7.9	10.9	10.9	9.0	8.1	16.0	
18.0		10.9	9.5	7.8	6.8	10.9	10.2	8.3	7.2	10.9	10.6	8.7	7.5	18.0	
20.0		10.3	8.6	7.1	6.2	10.2	9.2	7.5	6.5	10.1	9.7	7.9	6.8	20.0	
22.0		9.0	7.8	6.5	5.6	8.9	8.4	6.9	5.9	8.8	8.9	7.2	6.2	22.0	
24.0		8.0	7.2	5.9	5.1	7.9	7.7	6.3	5.4	7.8	8.0	6.6	5.7	24.0	
26.0		7.2	6.7	5.5	4.7	7.1	7.1	5.8	5.0	7.0	7.1	6.2	5.3	26.0	
28.0		6.5	6.2	5.1	4.4	6.4	6.5	5.4	4.6	6.3	6.4	5.7	4.9	28.0	
30.0		5.9	5.8	4.8	4.1	5.8	5.9	5.1	4.3	5.7	5.8	5.4	4.6	30.0	
32.0			5.5	4.5	3.8	5.3	5.4	4.8	4.1	5.2	5.3	5.1	4.3	32.0	
34.0				4.2	3.6		4.9	4.5	3.8	4.7	4.8	4.8	4.0	34.0	
36.0					3.4			4.3	3.6		4.4	4.5	3.8	36.0	
38.0					3.2			4.1	3.4		4.0	4.1	3.6	38.0	
40.0									3.2			3.8	3.4	40.0	
42.0													3.3	42.0	
44.0													3.1	44.0	
Reeves		1	1	1	1	1	1	1	1	1	1	1	1	Reeves	

Working radius (m)	Boom length (m)	33.5				36.6				39.6				Boom length (m)	Working radius (m)
	Jib length (m)	9.1	12.2	15.2	18.3	9.1	12.2	15.2	18.3	9.1	12.2	15.2	18.3	Jib length (m)	
12.0		10.9	10.9			10.9				10.9				12.0	
14.0		10.9	10.9	9.0	8.1	10.9	10.9	9.0		10.9	10.9	9.0		14.0	
16.0		10.9	10.9	9.0	8.1	10.9	10.9	9.0	8.1	10.9	10.9	9.0	8.1	16.0	
18.0		10.9	10.9	9.0	7.8	10.9	10.9	9.0	8.1	10.9	10.9	9.0	8.1	18.0	
20.0		10.0	10.1	8.3	7.1	9.9	10.0	8.6	7.4	9.8	9.9	9.0	7.7	20.0	
22.0		8.7	8.8	7.6	6.5	8.6	8.7	8.0	6.8	8.5	8.6	8.2	7.0	22.0	
24.0		7.8	7.8	7.0	6.0	7.5	7.7	7.3	6.2	7.4	7.6	7.7	6.5	24.0	
26.0		7.0	7.0	6.5	5.5	6.7	6.9	6.8	5.8	6.6	6.8	6.9	6.0	26.0	
28.0		6.2	6.3	6.0	5.1	6.1	6.2	6.2	5.4	6.0	6.1	6.1	5.6	28.0	
30.0		5.6	5.7	5.6	4.8	5.5	5.5	5.7	5.0	5.4	5.4	5.6	5.2	30.0	
32.0		5.1	5.2	5.2	4.5	5.0	5.0	5.1	4.7	4.8	4.9	5.0	4.9	32.0	
34.0		4.7	4.7	4.8	4.2	4.5	4.6	4.7	4.4	4.4	4.5	4.5	4.6	34.0	
36.0		4.2	4.3	4.4	4.0	4.1	4.2	4.2	4.2	4.0	4.1	4.1	4.2	36.0	
38.0		3.9	4.0	4.0	3.8	3.8	3.8	3.9	3.9	3.7	3.7	3.8	3.8	38.0	
40.0			3.7	3.7	3.6	3.4	3.5	3.6	3.6	3.3	3.4	3.4	3.5	40.0	
42.0				3.4	3.4		3.2	3.3	3.3	3.0	3.1	3.2	3.2	42.0	
44.0					3.2			3.0	3.1		2.7	2.9	2.9	44.0	
46.0									2.8			2.6	2.7	46.0	
48.0									2.4			2.2	2.4	48.0	
50.0													2.1	50.0	
Reeves		1	1	1	1	1	1	1	1	1	1	1	1	Reeves	

Note:
Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Fixed Jib Lifting Capacities (Without Main Hook Block) (Jib Offset Angle : 10°)

Counterweight: 31.9 t
Carbody Weight: 14.4 t
Unit: metric ton

Boom length (m)	42.7				45.7				48.8				Boom length (m)
Jib length (m)	9.1	12.2	15.2	18.3	9.1	12.2	15.2	18.3	9.1	12.2	15.2	18.3	Jib length (m)
14.0	10.9	10.9			10.9	10.9			10.9				14.0
16.0	10.9	10.9	9.0		10.9	10.9	9.0		10.9	10.9			16.0
18.0	10.9	10.9	9.0	8.1	10.8	10.9	9.0	8.1	10.8	10.9	9.0	8.1	18.0
20.0	9.6	9.8	9.0	7.9	9.5	9.6	9.0	8.1	9.5	9.6	9.0	8.1	20.0
22.0	8.4	8.5	8.5	7.3	8.3	8.4	8.5	7.6	8.2	8.4	8.5	7.8	22.0
24.0	7.3	7.5	7.6	6.7	7.2	7.4	7.5	7.0	7.2	7.3	7.4	7.2	24.0
26.0	6.5	6.7	6.7	6.3	6.4	6.5	6.7	6.5	6.3	6.5	6.6	6.7	26.0
28.0	5.8	5.9	6.0	5.8	5.7	5.8	5.9	6.0	5.7	5.8	5.9	5.9	28.0
30.0	5.2	5.3	5.4	5.4	5.1	5.2	5.3	5.4	5.1	5.2	5.2	5.3	30.0
32.0	4.7	4.8	4.9	4.9	4.6	4.7	4.8	4.8	4.6	4.6	4.7	4.8	32.0
34.0	4.3	4.3	4.4	4.5	4.2	4.2	4.3	4.4	4.1	4.2	4.3	4.3	34.0
36.0	3.8	3.9	4.0	4.0	3.7	3.8	3.9	3.9	3.7	3.8	3.8	3.9	36.0
38.0	3.5	3.6	3.6	3.7	3.5	3.5	3.5	3.6	3.4	3.4	3.5	3.5	38.0
40.0	3.2	3.3	3.3	3.3	3.1	3.2	3.2	3.3	3.0	3.1	3.2	3.2	40.0
42.0	2.9	3.0	3.0	3.1	2.8	2.9	2.9	3.0	2.8	2.8	2.9	2.9	42.0
44.0	2.5	2.7	2.8	2.8	2.5	2.6	2.7	2.7	2.5	2.5	2.6	2.6	44.0
46.0	2.2	2.3	2.5	2.6	2.2	2.3	2.4	2.5	2.2	2.2	2.4	2.4	46.0
48.0		2.0	2.2	2.3	1.8	2.0	2.1	2.2	1.8	1.9	2.1	2.1	48.0
50.0			1.9	2.0		1.7	1.8	1.9	1.4	1.6	1.8	1.9	50.0
52.0				1.7			1.6	1.7			1.5	1.6	52.0
Reeves	1	1	1	1	1	1	1	1	1	1	1	1	Reeves

Working radius (m)

Boom length (m)	51.8			
Jib length (m)	9.1	12.2	15.2	18.3
14.0	10.9			
16.0	10.9	10.9		
18.0	10.7	10.8	9.0	8.1
20.0	9.4	9.5	9.0	8.1
22.0	8.1	8.3	8.3	8.0
24.0	7.1	7.2	7.3	7.4
26.0	6.2	6.4	6.5	6.6
28.0	5.6	5.7	5.8	5.8
30.0	5.0	5.1	5.1	5.2
32.0	4.4	4.5	4.6	4.7
34.0	4.0	4.1	4.2	4.2
36.0	3.6	3.6	3.7	3.8
38.0	3.3	3.3	3.4	3.4
40.0	2.9	3.0	3.0	3.1
42.0	2.7	2.7	2.8	2.8
44.0	2.3	2.4	2.5	2.5
46.0	2.1	2.1	2.2	2.3
48.0	1.7	1.8	1.9	2.0
50.0		1.5	1.6	1.7
52.0				1.5
Reeves	1	1	1	1

Working radius (m)

Note:
Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Fixed Jib Lifting Capacities (Without Main Hook Block) (Jib Offset Angle : 30°)

Counterweight: 31.9 t
Carbody Weight: 14.4 t

Unit: metric ton

Boom length (m)		24.4				27.4				30.5				Boom length (m)
Jib length (m)		9.1	12.2	15.2	18.3	9.1	12.2	15.2	18.3	9.1	12.2	15.2	18.3	Jib length (m)
Working radius (m)	12.0	9.5												12.0
	14.0	9.3	6.9			9.4				9.5				14.0
	16.0	8.6	6.4			8.9	6.5			9.0	6.7			16.0
	18.0	8.0	5.9	4.8		8.3	6.1	4.9		8.6	6.2	5.0		18.0
	20.0	7.5	5.6	4.5	3.8	7.8	5.7	4.6	3.9	8.0	5.9	4.7	3.9	20.0
	22.0	7.1	5.3	4.2	3.6	7.4	5.4	4.3	3.6	7.6	5.6	4.4	3.7	22.0
	24.0	6.8	5.0	4.0	3.4	7.0	5.1	4.1	3.4	7.3	5.3	4.2	3.5	24.0
	26.0		4.8	3.8	3.2		4.9	3.9	3.2	7.0	5.1	4.0	3.3	26.0
	28.0			3.6	3.0		4.7	3.7	3.0	6.4	4.9	3.8	3.1	28.0
	30.0			3.5	2.9			3.6	2.9		4.7	3.7	3.0	30.0
	32.0				2.8			3.5	2.8			3.6	2.9	32.0
	34.0								2.7				2.8	34.0
	36.0												2.7	36.0
	Reeves	1	1	1	1	1	1	1	1	1	1	1	1	Reeves

Boom length (m)		33.5				36.6				39.6				Boom length (m)
Jib length (m)		9.1	12.2	15.2	18.3	9.1	12.2	15.2	18.3	9.1	12.2	15.2	18.3	Jib length (m)
Working radius (m)	14.0	9.5				9.5								14.0
	16.0	9.3	6.8			9.4				9.5				16.0
	18.0	8.8	6.4			9.0	6.5			9.2	6.6			18.0
	20.0	8.3	6.1	4.8	4.0	8.5	6.2	4.9	4.1	8.8	6.3	4.9		20.0
	22.0	7.9	5.7	4.5	3.8	8.1	5.9	4.6	3.9	8.3	6.0	4.7	3.9	22.0
	24.0	7.5	5.5	4.3	3.6	7.7	5.6	4.4	3.7	7.7	5.7	4.5	3.7	24.0
	26.0	7.1	5.2	4.1	3.4	7.0	5.4	4.2	3.5	6.9	5.5	4.3	3.5	26.0
	28.0	6.4	5.0	3.9	3.2	6.2	5.1	4.0	3.3	6.1	5.2	4.1	3.3	28.0
	30.0	5.7	4.8	3.8	3.1	5.6	4.9	3.8	3.2	5.5	5.1	3.9	3.2	30.0
	32.0		4.7	3.7	3.0	5.1	4.8	3.7	3.1	5.0	4.9	3.8	3.1	32.0
	34.0			3.5	2.9		4.6	3.6	3.0		4.6	3.7	3.0	34.0
	36.0				2.8			3.5	2.9		4.1	3.6	2.9	36.0
	38.0				2.7			3.4	2.8			3.5	2.8	38.0
	40.0								2.7				2.7	40.0
	42.0												2.6	42.0
	Reeves	1	1	1	1	1	1	1	1	1	1	1	1	Reeves

Note:
Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Fixed Jib Lifting Capacities (Without Main Hook Block) (Jib Offset Angle : 30°)

Counterweight: 31.9 t
Carbody Weight: 14.4 t
Unit: metric ton

Boom length (m)		42.7				45.7				48.8				Boom length (m)
Jib length (m)		9.1	12.2	15.2	18.3	9.1	12.2	15.2	18.3	9.1	12.2	15.2	18.3	Jib length (m)
Working radius (m)	16.0	9.5				9.5								16.0
	18.0	9.4	6.7			9.5				9.5				18.0
	20.0	8.9	6.4	5.1		9.1	6.5	5.1		9.2	6.6	5.1		20.0
	22.0	8.4	6.1	4.8	4.0	8.4	6.2	4.9	4.0	8.5	6.3	4.9	4.1	22.0
	24.0	7.6	5.8	4.6	3.8	7.6	5.9	4.7	3.8	7.5	6.0	4.7	3.9	24.0
	26.0	6.7	5.6	4.4	3.6	6.6	5.7	4.5	3.7	6.6	5.8	4.5	3.7	26.0
	28.0	6.0	5.4	4.2	3.4	5.9	5.5	4.3	3.5	5.9	5.6	4.3	3.6	28.0
	30.0	5.3	5.2	4.0	3.3	5.3	5.3	4.1	3.3	5.2	5.4	4.1	3.4	30.0
	32.0	4.8	5.0	3.9	3.2	4.8	4.9	4.0	3.2	4.7	4.9	4.0	3.3	32.0
	34.0	4.4	4.5	3.8	3.1	4.3	4.4	3.9	3.1	4.2	4.4	3.9	3.2	34.0
	36.0	3.9	4.1	3.7	3.0	3.9	4.0	3.7	3.0	3.9	3.9	3.8	3.1	36.0
	38.0		3.7	3.6	2.9	3.5	3.6	3.6	2.9	3.5	3.6	3.7	3.0	38.0
	40.0			3.5	2.8			3.4	2.8		3.2	3.4	2.9	40.0
	42.0				2.7			3.1	2.7		2.9	3.0	2.8	42.0
	44.0				2.6				2.7			2.7	2.7	44.0
	46.0												2.6	46.0
	48.0												2.3	48.0
	Reeves	1	1	1	1	1	1	1	1	1	1	1	1	Reeves

Boom length (m)		51.8			
Jib length (m)		9.1	12.2	15.2	18.3
Working radius (m)	18.0	9.5			
	20.0	9.3	6.6		
	22.0	8.5	6.4	5.0	
	24.0	7.5	6.1	4.8	3.9
	26.0	6.6	5.9	4.6	3.8
	28.0	5.9	5.7	4.4	3.6
	30.0	5.2	5.4	4.2	3.5
	32.0	4.7	4.8	4.1	3.4
	34.0	4.2	4.3	4.0	3.3
	36.0	3.7	3.8	3.9	3.2
	38.0	3.3	3.5	3.6	3.1
	40.0	3.0	3.2	3.3	3.0
	42.0		2.9	3.0	2.9
	44.0		2.6	2.7	2.6
	46.0			2.4	2.4
	48.0				2.2
	50.0				2.0
	Reeves	1	1	1	1

Note:
Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

SUPPLEMENTAL DATA FOR CLAMSHELL RATING CHART

- Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
- Deduct weight of bucket, slings and all other load handling accessories from main boom ratings shown.
- 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. The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
- Rated loads do not exceed 66% of minimum tipping loads.
- Ratings are for operation on a firm and level surface, up to 1% gradient.
- At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
- Boom inserts and guy lines must be arranged as shown in the "operator's manual".
- Boom hoist reeving is 12 part line.
- Gantry must be in raised position for all conditions.
- Boom backstops are required for all boom lengths.
- The boom should be erected over the front of the crawlers, not laterally.
- Crawler frames must be fully extended for all crane operations.

(Clamshell bucket lifting)

- The total load that can be lifted is the value for weight of bucket, slings, and all other load handling accessories deducted from main boom ratings shown.
- The weight of bucket and materials must not exceed rated load.
- Optimum bucket should be required according to material. Bucket capacity (m^3) x specified gravity of material (ton/m^3) + bucket weight (ton) = rated load.
- Bucket weight must also be decreased according to operating cycle and bucket lowering height.
- Rated loads are determined by stability and boom strength. During simultaneous operations of boom and swing, rapid acceleration or deceleration must be avoided.
- Do not attempt to cast the bucket while swinging or diagonal draw-cutting.

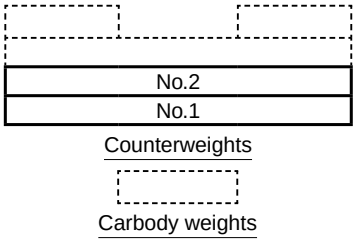
<Reference Information>

Main hoist loads

No. of Parts of Line	1
Maximum Loads (kN)	98
Maximum Loads (t)	10.0

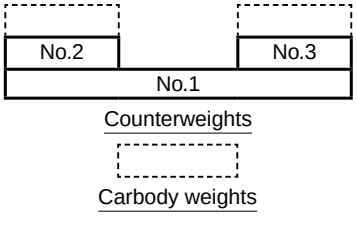
Assembling the counterweight

20.5 ton counterweight
without carbody weight
(Standard type)



Assembling the counterweight

(Equipped with self removal device)
19.8 ton counterweight
without carbody weight
(Optinal type)



- The lifting capacity does not change due to the type of counterweights. (Standard or optinal)

Operation of this equipment in excess of rated loads
or disregard of instruction voids the warranty.

Clamshell Rating Charts
Crane Boom Capacities

Counterweight: 20.5 t
Without Carbody Weight
Crawler Fully Extended
Unit: metric ton

Load radius (m) \ Boom length (m)	12.2	15.2	18.3	21.3	24.4				Boom length (m) \ Load radius (m)
5.0	10.0								**5.0**
6.0	10.0	10.0							**6.0**
7.0	10.0	10.0	10.0						**7.0**
8.0	10.0	10.0	10.0	9.5					**8.0**
9.0	10.0	10.0	10.0	9.5	8.7				**9.0**
10.0	9.8	9.7	9.6	9.5	8.7				**10.0**
11.0	9.1	9.0	8.9	8.8	8.7				**11.0**
12.0		8.3	8.2	8.1	8.0				**12.0**
13.0		7.7	7.6	7.5	7.4				**13.0**
14.0		7.1	7.0	6.9	6.8				**14.0**
15.0			6.5	6.4	6.3				**15.0**
16.0			6.1	6.0	5.9				**16.0**
17.0				5.7	5.6				**17.0**
18.0				5.4	5.3				**18.0**
19.0				5.2	5.1				**19.0**
20.0					4.9				**20.0**
21.0					4.7				**21.0**
22.0									**22.0**
23.0									**23.0**
24.0									**24.0**
25.0									**25.0**
26.0									**26.0**
27.0									**27.0**
28.0									**28.0**
29.0									**29.0**
30.0									**30.0**
Reeves	1	1	1	1	1				**Reeves**

Note:
Please refer rated chart in operator's cabin.

SUPPLEMENTAL DATA FOR REDUCED WEIGHTS RATING CHART

- Ratings according to EN13000.
- Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
- Deduct weight of hook block (s), slings and all other load handling accessories from main boom ratings shown.
- 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. The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
- Ratings are for operation on a firm and level surface, up to 1% gradient.
- At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
- Boom inserts and guy lines must be arranged as shown in the "operator's manual".
- Boom hoist reeving is 12 part line.
- Gantry must be in raised position for all conditions.
- Boom backstops are required for all boom lengths.
- The boom should be erected over the front of the crawlers, not laterally.
- Ratings inside of boxes ☐ are limited by strength of materials.
- The minimum rated load is 1.4 (Ton).
- Crawler frames must be fully extended for all crane operations.

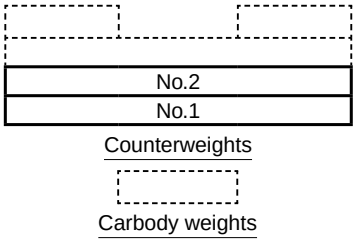
(Crane boom lifting)

- The total load that can be lifted is the value for weight of hook block, slings, and all other load handling accessories deducted from main boom ratings shown.

Counterweight	Carbody weight	Boom lenght	
		Without aux.	With aux.
20.5 ton	Without	12.2 m ～ 57.9 m	12.2 m ～ 54.9 m
19.8 ton	Without	12.2 m ～ 57.9 m	12.2 m ～ 54.9 m

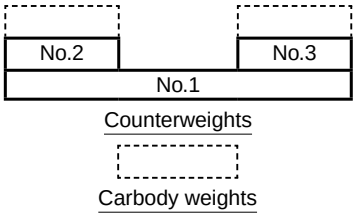
Assembling the counterweight

20.5 ton counterweight
without carbody weight
(Standard type)



Assembling the counterweight

(Equipped with self removal device)
19.8 ton counterweight
without carbody weight
(Optinal type)



- The lifting capacity does not change due to the type of counterweights. (Standard or optinal)

<Reference Information>

Main hoist loads

No. of Parts of Line	1	2	3	4	5
Maximum Loads (kN)	112	224	335	447	559
Maximum Loads (t)	11.4	22.8	34.2	45.6	57.0

No. of Parts of Line	6	7	8
Maximum Loads (kN)	671	779	883
Maximum Loads (t)	68.4	79.4	90.0

Auxiliary hoist loads

No. of Parts of Line	1
Maximum Loads (kN)	108
Maximum Loads (t)	11.0

Weight of hook block					
Hook Block	90 t	70 t	50 t	35 t	Ball Hook
Weight (t)	1.3	0.9	0.85	0.7	0.3

Operation of this equipment in excess of rated loads
or disregard of instruction voids the warranty.

Reduced Weights Rating Charts
Crane Boom Lifting Capacities

Counterweight: 20.5 t
Without Carbody Weight
Crawler Fully Extended
Unit: metric ton

Load radius (m) \ Boom length (m)	12.2	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6				Boom length (m) \ Load radius (m)
3.9	81.2	77.3	71.4											**3.9**
4.0	80.2	74.6	69.0	4.3m/59.0										**4.0**
4.5	67.1	63.2	59.1	55.8	4.7m/49.9									**4.5**
5.0	54.8	54.8	51.6	49.0	46.4	5.1m/42.2								**5.0**
5.5	46.2	46.2	45.8	43.7	41.6	39.7	5.6m/37.1							**5.5**
6.0	40.0	39.9	39.7	39.4	37.6	36.0	34.5	33.1	6.4m/29.8	6.8m/26.9				**6.0**
7.0	31.3	31.2	31.1	30.9	30.6	30.3	29.2	28.2	27.1	26.2				**7.0**
8.0	25.7	25.6	25.4	25.4	25.4	25.3	25.2	24.4	23.6	22.8				**8.0**
9.0	21.7	21.6	21.4	21.4	21.4	21.4	21.3	21.3	20.8	20.1				**9.0**
10.0	18.8	18.6	18.5	18.5	18.5	18.5	18.4	18.3	18.2	18.0				**10.0**
12.0	11.8m/15.0	14.5	14.4	14.4	14.4	14.3	14.2	14.2	14.0	13.9				**12.0**
14.0		11.9	11.7	11.7	11.7	11.6	11.5	11.4	11.3	11.2				**14.0**
16.0		14.4m/11.5	9.8	9.8	9.8	9.7	9.6	9.5	9.4	9.3				**16.0**
18.0			17.0m/9.0	8.4	8.3	8.3	8.1	8.1	7.9	7.8				**18.0**
20.0				19.6m/7.6	7.2	7.1	7.0	6.9	6.8	6.7				**20.0**
22.0					6.4	6.3	6.1	6.1	5.9	5.8				**22.0**
24.0					22.3m/6.3	5.6	5.4	5.3	5.2	5.1				**24.0**
26.0						24.9m/5.3	4.8	4.8	4.6	4.5				**26.0**
28.0							27.6m/4.4	4.3	4.1	4.0				**28.0**
30.0								3.8	3.7	3.6				**30.0**
32.0								30.2m/3.8	3.3	3.2				**32.0**
34.0									32.9m/3.2	2.9				**34.0**
36.0										35.5m/2.7				**36.0**
38.0														**38.0**
40.0														**40.0**
44.0														**44.0**
Reeves	8	8	8	6	5	4	4	4	4	4				**Reeves**

Load radius (m) \ Boom length (m)	42.7	45.7	48.8	51.8	54.9	57.9								Boom length (m) \ Load radius (m)
4.5														**4.5**
5.0														**5.0**
5.5														**5.5**
6.0														**6.0**
7.0	7.3m/24.1	7.7m/22.2												**7.0**
8.0	22.0	21.4	8.1m/19.8	8.5m/17.2										**8.0**
9.0	19.5	18.9	18.3	16.6	14.5	9.4m/12.5								**9.0**
10.0	17.4	16.9	16.4	15.5	13.5	11.9								**10.0**
12.0	13.8	13.7	13.5	13.1	11.9	10.4								**12.0**
14.0	11.1	11.1	11.1	11.0	10.6	9.3								**14.0**
16.0	9.1	9.1	9.1	9.0	8.9	8.3								**16.0**
18.0	7.7	7.7	7.7	7.6	7.5	7.4								**18.0**
20.0	6.6	6.6	6.5	6.4	6.3	6.3								**20.0**
22.0	5.7	5.7	5.6	5.5	5.4	5.4								**22.0**
24.0	4.9	4.9	4.9	4.8	4.7	4.6								**24.0**
26.0	4.3	4.3	4.3	4.2	4.1	4.0								**26.0**
28.0	3.8	3.8	3.8	3.7	3.6	3.5								**28.0**
30.0	3.4	3.4	3.4	3.3	3.1	3.0								**30.0**
32.0	3.1	3.1	3.0	2.9	2.7	2.6								**32.0**
34.0	2.7	2.7	2.6	2.5	2.3	2.3								**34.0**
36.0	2.4	2.4	2.3	2.2	2.0	1.9								**36.0**
38.0	2.1	2.1	2.0	1.9	1.7	1.7								**38.0**
40.0	38.1m/2.1	1.9	1.8	1.6	1.5	1.4								**40.0**
44.0		40.8m/1.8	43.4m/1.4											**44.0**
48.0														**48.0**
52.0														**52.0**
Reeves	4	2	2	2	2	2								**Reeves**

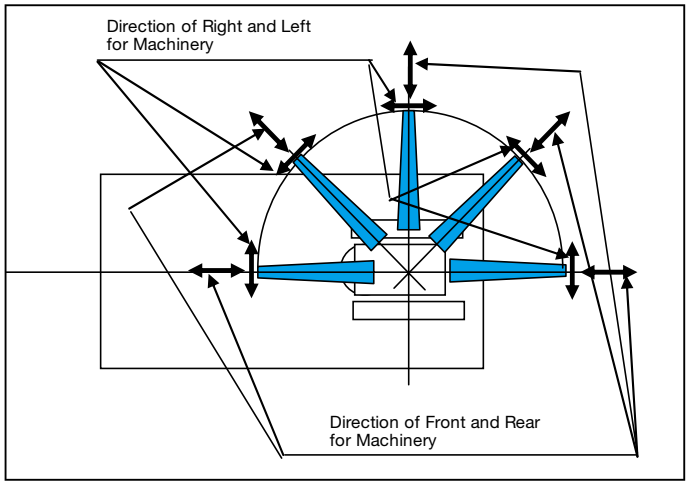
Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

SUPPLEMENTAL DATA FOR BARGE RATING CHART

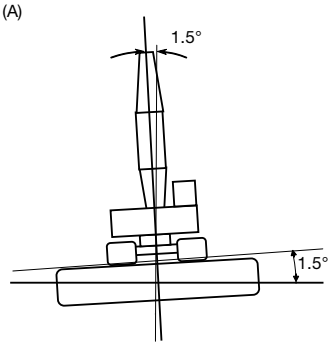
- Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
- Deduct weight of hook block (s), slings and all other load handling accessories from main boom ratings shown.
- Condition of barge stability this rating chart were determined under the condition below. The stability of barge shall meet below condition. During operation the machinery static inclination against horizontal level.

(A) Both sides (right & left) of machine
Maximum inclination shall be within 1.5 degrees

(B) Front & backward of macine
Maximum inclination shall be within 3.0 degrees



(A)



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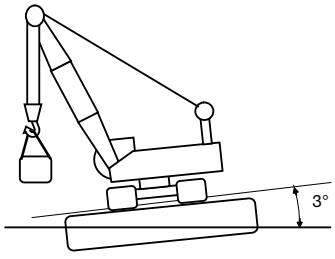


- Working area shall be inshore and smooth water.
- Applicable regulations for structure japanese construction codes for mobile crane
  ※Regulation of class of shipping (abs, lloyd, bv, nk, etc) are not adapted.
- At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
- Boom inserts and guy lines must be arranged as shown in the "operator's manual".
- Boom hoist reeving is 12 part line.
- Gantry must be in raised position for all conditions.
- Boom backstops are required for all boom lengths.
- The boom should be erected over the front of the crawlers, not laterally.
- Ratings inside of boxes ▭ are limited by strength of materials.
- The minimum rated load is 1.4 (ton).
- Crawler frames must be fully extended for all crane operations.
- The machinery should be fastened to the deck of the barge to prevent tip over and sliding.
- Towing area
  Towing area shall be within coastal area and quiet wave condition. Offshore and open sea is not considered for this machinery. Depend on the height of wave, counterweight shall be reduced during towing.

(Crane boom lifting)

- The total load that can be lifted is the value for weight of hook block, slings, and all other load handling accessories deducted from main boom ratings shown.

<Reference Information>

Main hoist loads

No. of Parts of Line	1	2	3	4	5
Maximum Loads (kN)	112	224	335	447	490
Maximum Loads (t)	11.4	22.8	34.2	45.6	50.0

Auxiliary hoist loads

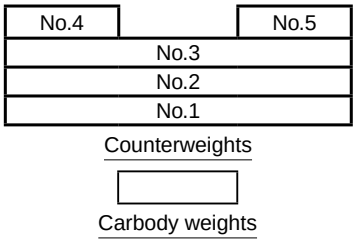
No. of Parts of Line	1
Maximum Loads (kN)	108
Maximum Loads (t)	11.0

Weight of Hook Block					
Hook Block	90 t	70 t	50 t	35 t	11 t Ball Hook
Weight (t)	1.3	0.9	0.85	0.7	0.3

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

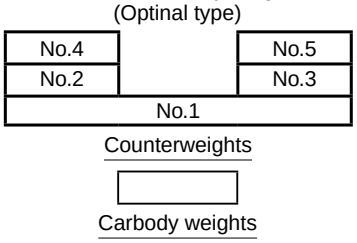
Assembling the counterweight

31.9 ton counterweight
14.4 ton carbody weight
(Standard type)



Assembling the counterweight

(Equipped with self removal device)
31.3 ton counterweight
14.4 ton carbody weight
(Optinal type)



- The lifting capacity does not change due to the type of counterweights (standard or optinal)

LIFTING CAPACITIES

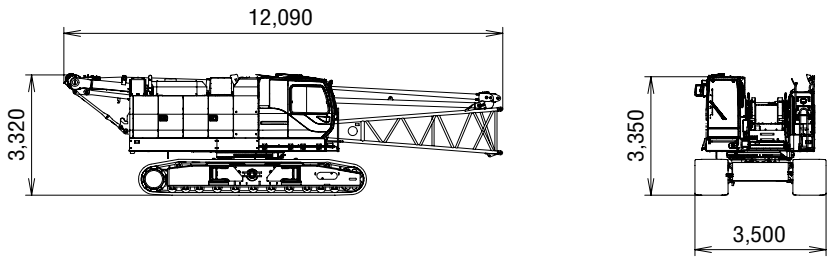
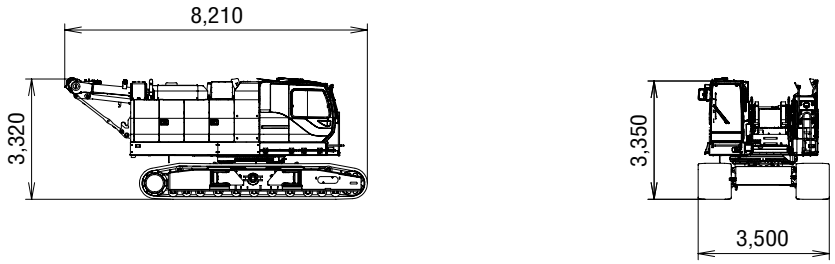
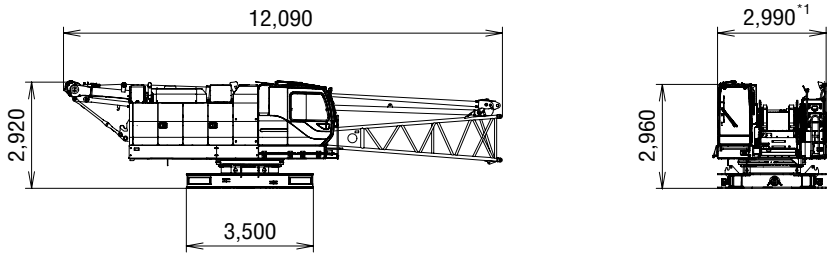
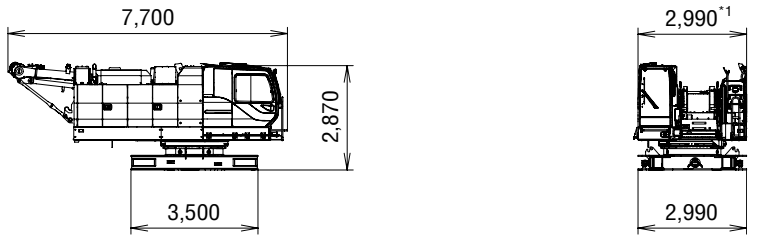
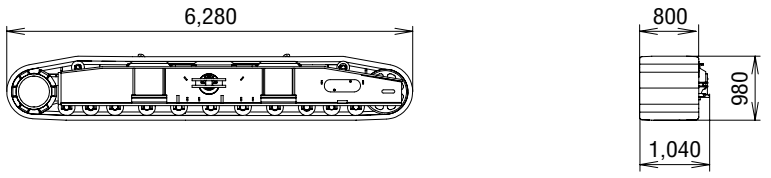
Barge Raiting Chart
Crane Boom Lifting Capacities

Counterweight: 31.9 t
Carbody Weight: 14.4 t
Crawler Fully Extended
Unit: metric tons

Load radius (m) \ Boom length (m)	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	Boom length (m) \ Load radius (m)
4.5	4.6m/50.0								**4.5**
5.0	44.8								**5.0**
5.5	37.0	40.4							**5.5**
6.0	31.5	36.9	6.2m/35.5	6.9m/31.4					**6.0**
7.0	26.7	31.4	31.2	30.9	7.5m/28.1				**7.0**
8.0	23.0	26.6	26.5	26.4	26.3	8.2m/24.9	8.9m/22.2		**8.0**
9.0	20.1	22.9	22.8	22.7	22.6	22.5	22.1	9.6m/19.4	**9.0**
10.0	15.8	20.3	20.2	20.1	20.0	19.9	19.8	19.1	**10.0**
12.0	11.9	16.1	16.0	15.9	15.8	15.7	15.6	15.5	**12.0**
14.0	14.4m/10.8	12.6	12.8	12.7	12.6	12.5	12.4	12.3	**14.0**
16.0		10.4	10.8	10.8	10.7	10.6	10.5	10.4	**16.0**
18.0		17.0m/8.5	8.7	9.0	9.2	9.1	9.0	8.9	**18.0**
20.0			19.6m/7.4	7.7	8.0	8.1	8.0	7.9	**20.0**
22.0				6.5	6.9	7.0	7.0	6.9	**22.0**
24.0				22.3m/6.3	5.9	6.1	6.2	6.1	**24.0**
26.0					24.9m/5.5	5.2	5.4	5.3	**26.0**
28.0						27.6m/4.6	4.6	4.6	**28.0**
30.0							4.0	4.0	**30.0**
32.0							30.2m/3.9	3.5	**32.0**
34.0								32.9m/3.2	**34.0**
Reeves	5	4	4	3	3	3	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 structual components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

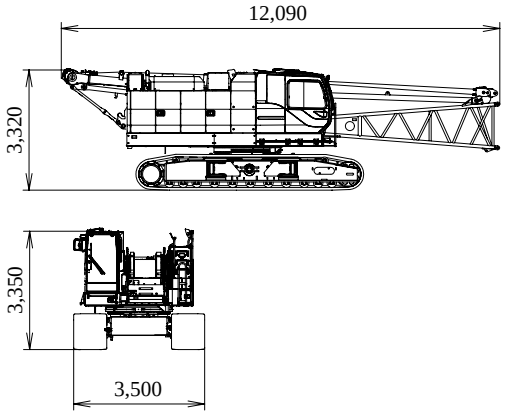
TRANSPORTATION PLAN

Name	Dimension	Weight (kg)
Base Machine • Boom base • Gantry • Crawler • Wire rope (Front / rear / boom hoist)		41,360
Base Machine • Gantry • Crawler • Wire rope (Front / rear / boom hoist)		39,300
Base Machine • Boom base • Gantry • Wire rope (Front / rear / boom hoist) • Without crawler • Without side steps		27,000
Base Machine • Gantry • Wire rope (Front / rear / boom hoist) • Without crawler • Without side steps		24,940
Crawler		7,180

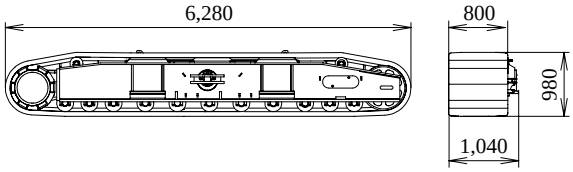
*1 With the side step on cabin side : 3,170
With the side steps on the both sides : 3,340

PARTS AND ATTACHMENTS

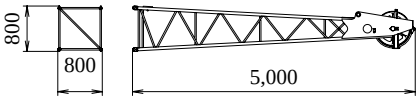
Base Machine
Boom base, Gantry, Crawler, Wire rope (Front/rear/boom hoist)
Weight: 41,360 kg Width: 3,500 mm



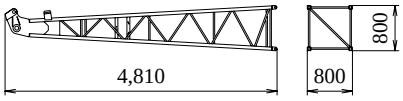
Crawler
Weight: 7,180 kg



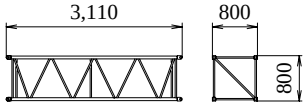
Upper Jib
Weight: 180 kg



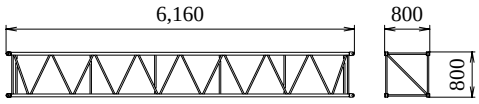
Lower Jib
Weight: 200 kg



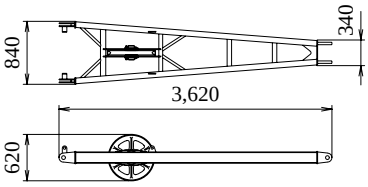
3.0 m
Jib Insert
Weight: 100 kg



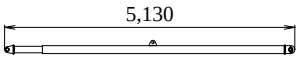
6.1 m
Jib Insert
Weight: 180 kg



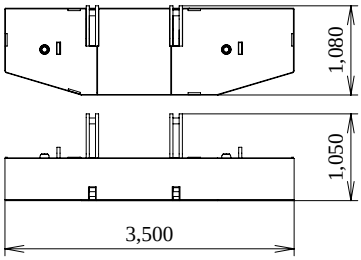
Strut
Weight: 250 kg



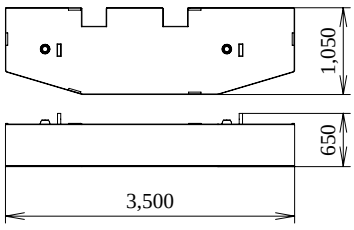
Crane
Backstop
Weight: 270 kg (1 set)



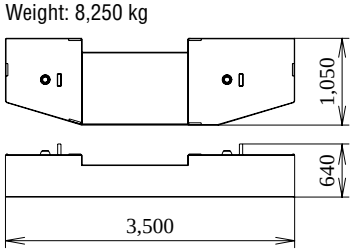
Counterweight No.1
Weight: 10,540 kg



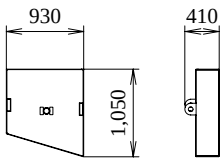
Counterweight No.2
Weight: 9,930 kg



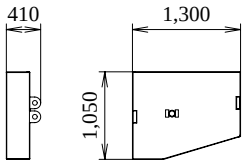
Counterweight No.3
Weight: 8,250 kg



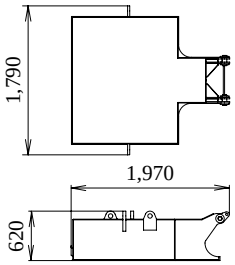
Counterweight No.4 (L)
Weight: 1,280 kg



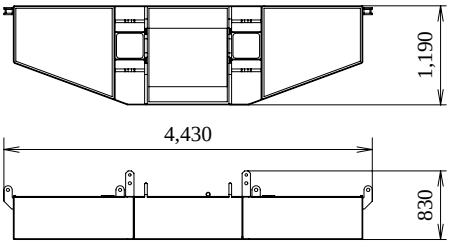
Counterweight No.4 (R)
Weight: 1,900 kg



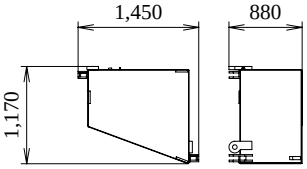
Carbody Weight
Weight: 7,200 kg



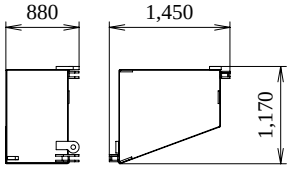
Counterweight (1) (Option)
Weight: 8,310 kg



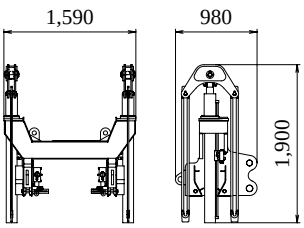
Counterweight (L) (2) (4) (Option)
Weight: 5,750 kg



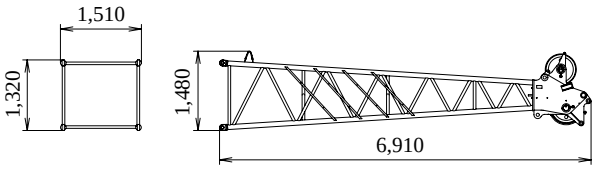
Counterweight (R) (3) (5) (Option)
Weight: 5,750 kg



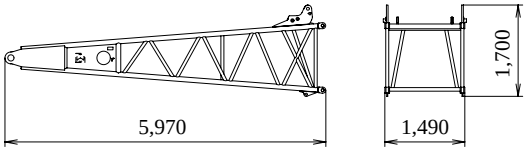
Self removal unit (Option)
Weight: 870 kg



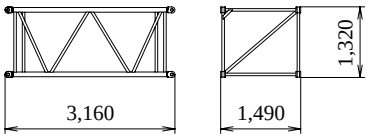
Boom Tip
Weight: 1,220 kg



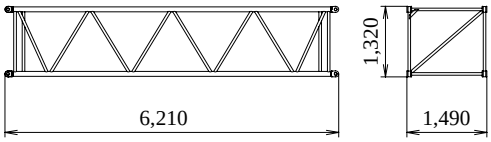
Boom Base
Weight: 1,120 kg



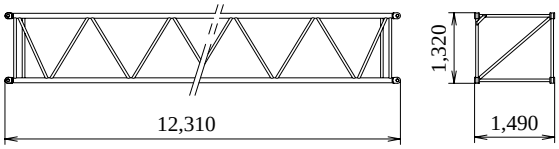
3.0 m
Boom Insert
Weight: 300 kg



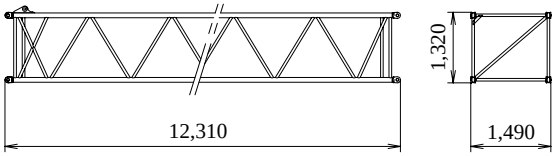
6.1 m
Boom Insert
Weight: 510 kg



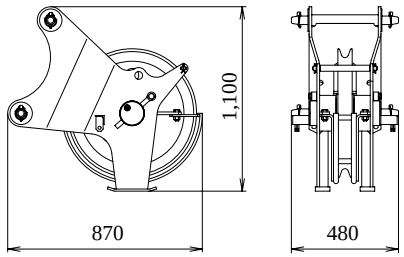
12.2 m
Insert Boom
Weight: 950 kg



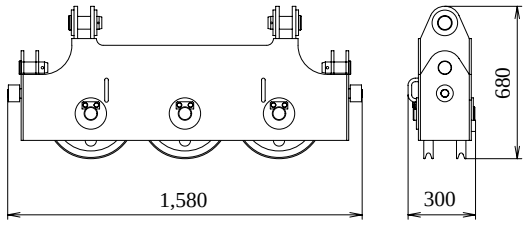
12.2 m
Boom Insert (with lug)
Weight: 1,220 kg



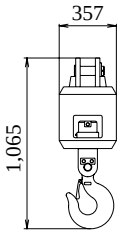
Auxiliary Sheave
Weight: 195 kg



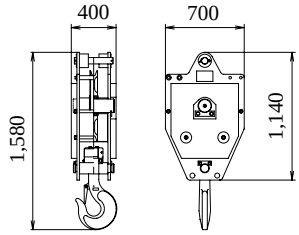
Upper Spreader
Weight: 280 kg



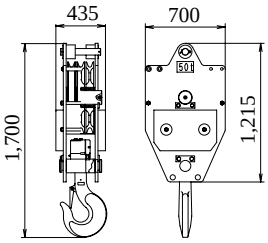
Ball Hook
Weight: 300 kg



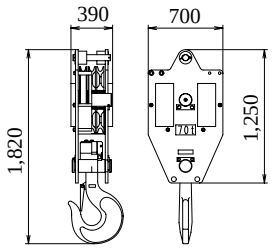
35 t Hook
Weight: 700 kg



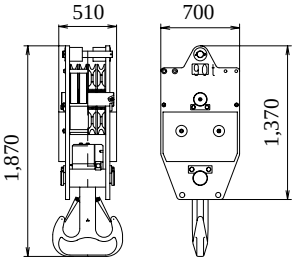
50 t Hook
Weight: 850 kg



70 t Hook
Weight: 900 kg



90 t Hook
Weight: 1,300 kg



Note: This catalog may contain photographs of machines with specifications, attachments and optional equipment not certified for operation in your country. Please consult KOBELCO for those items you may require. Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

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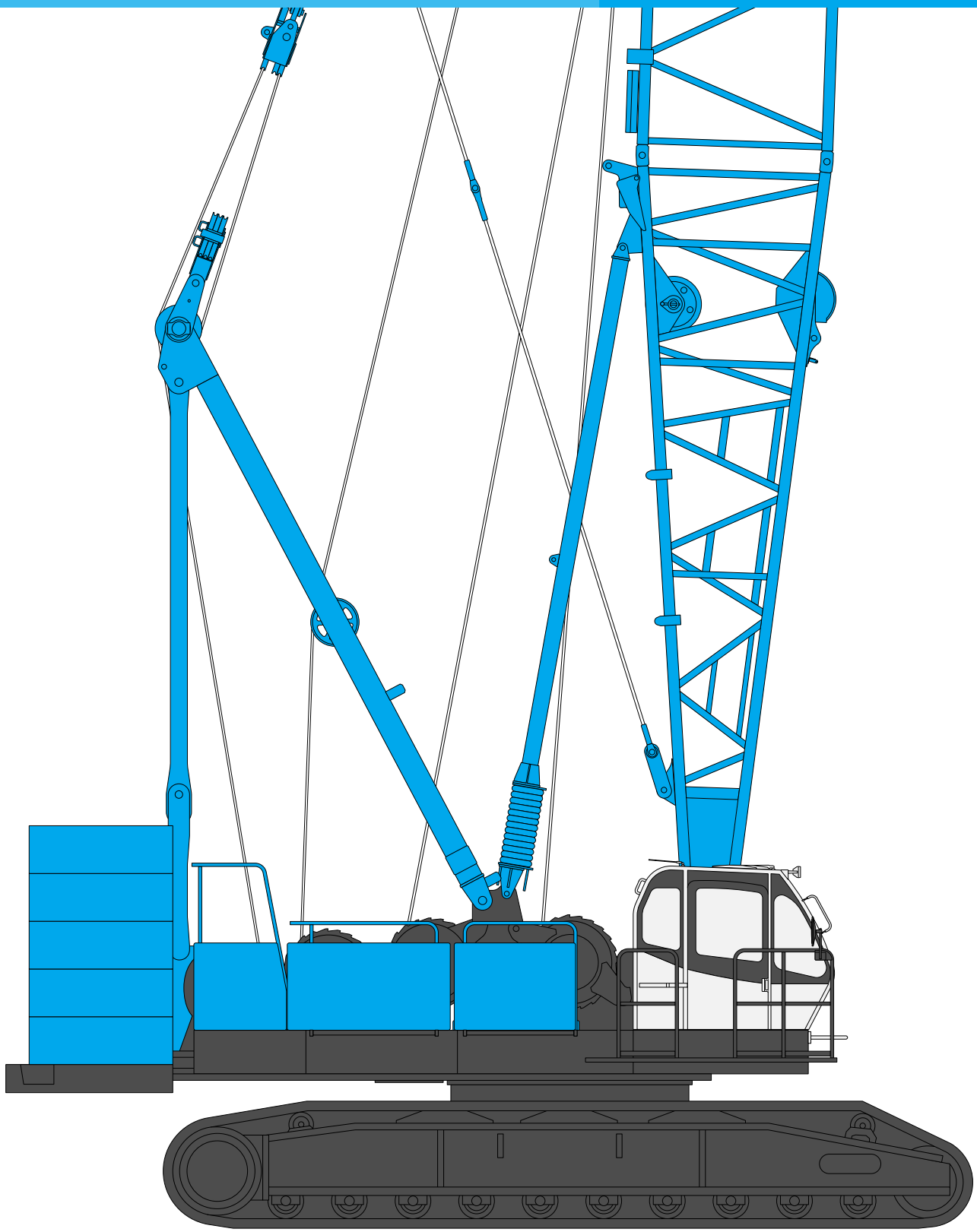
Bulletin No. CKS900-SPEC-NR3 150201F Printed in Japan

KOBELCO

HYDRAULIC CRAWLER CRANE

CKE1800

Model: CKE1800-1F



Max. Lifting Capacity: 180 ton x 3.75 m
Max. Crane Boom Length: 85.3 m
Max. Long Boom Length: 85.3 m
Max. Fixed Jib Combination: 73.2 m + 30.5 m
Max. Luffing Jib Combination: 54.9 m +51.8 m

CONFIGURATION

Crane Boom

Max. Lifting Capacity:
160 metric ton x 4.4 m
Max. Boom Length:
85.3 m

Heavy Duty Crane Boom

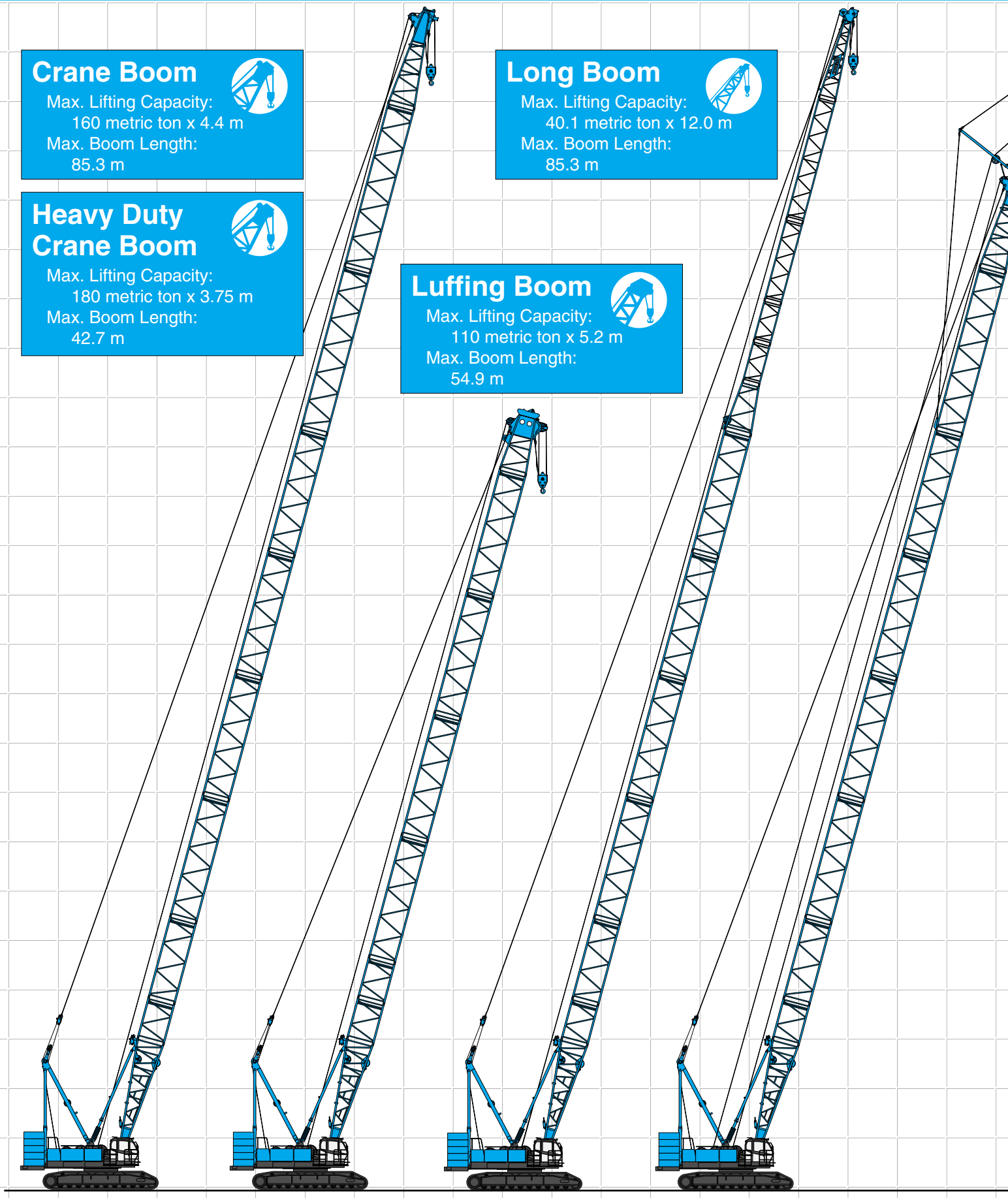
Max. Lifting Capacity:
180 metric ton x 3.75 m
Max. Boom Length:
42.7 m

Long Boom

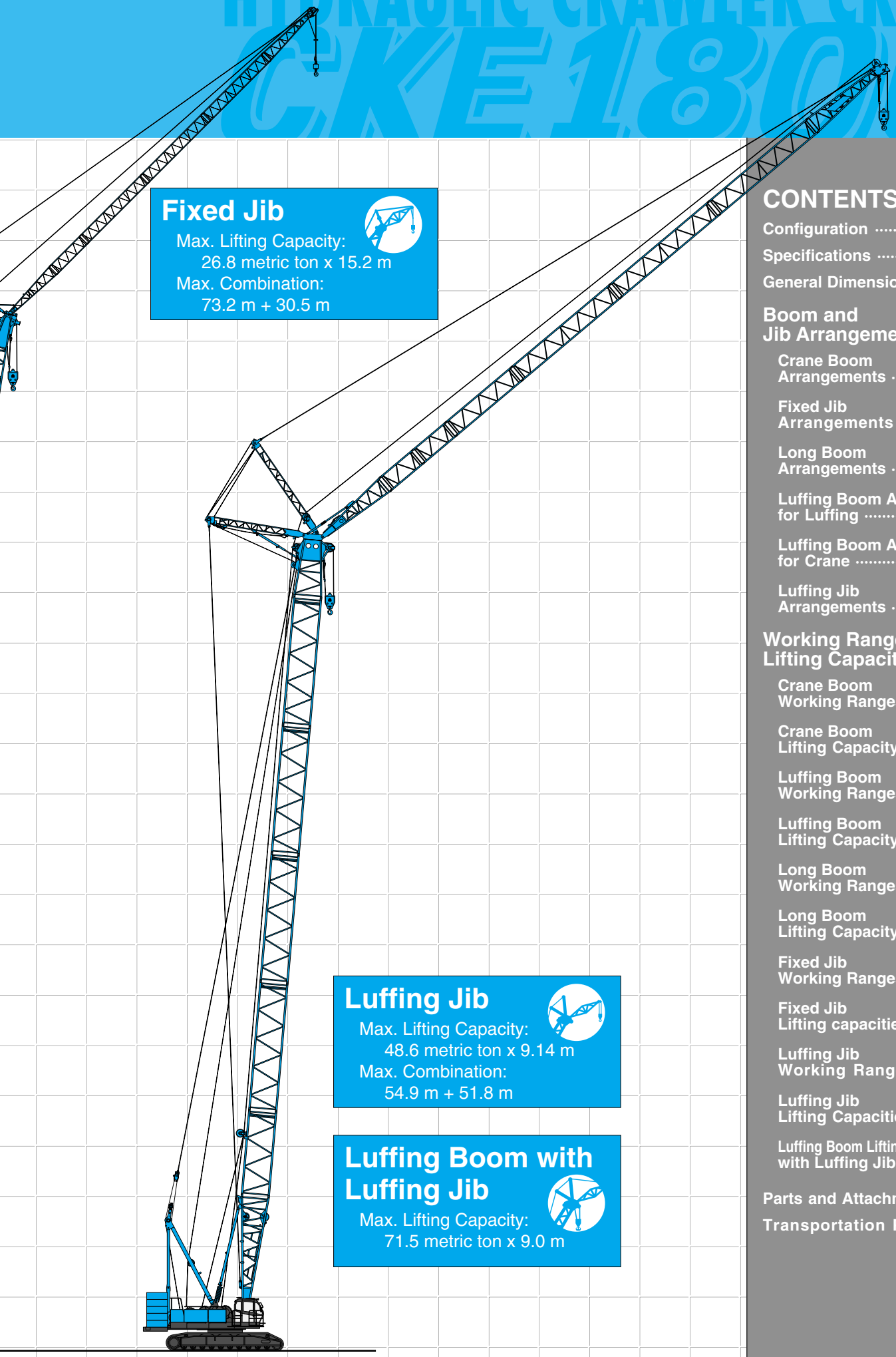
Max. Lifting Capacity:
40.1 metric ton x 12.0 m
Max. Boom Length:
85.3 m

Luffing Boom

Max. Lifting Capacity:
110 metric ton x 5.2 m
Max. Boom Length:
54.9 m



HYDRAULIC CRAWLER CRANE
CKE1800



Fixed Jib

Max. Lifting Capacity:
26.8 metric ton x 15.2 m
Max. Combination:
73.2 m + 30.5 m

Luffing Jib

Max. Lifting Capacity:
48.6 metric ton x 9.14 m
Max. Combination:
54.9 m + 51.8 m

Luffing Boom with Luffing Jib

Max. Lifting Capacity:
71.5 metric ton x 9.0 m

CONTENTS

SPECIFICATIONS

Power Plant

Model: Hino diesel engine P11C-UN
Type: Water-cooled, direct fuel injection, with turbocharger
Complies with NRMM (Europe) Tier III and USA EPA Tier III
Displacement: 10.520 liters
Rated Power: 247 kW/ 2,000 min^{-1} {rpm} (ISO)
Max. torque: 1,300 N·m/1,500 min^{-1}
Cooling system: Liquid, re-circulating bypass
Starter: 24V / 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 12 V, 170 Ah/20 HR 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, third hoist circuit and each propel circuit. One of the other two pumps is used in the boom hoist circuit, and the other is used in the swing 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 {71.3 kgf/cm^2}
Reservoir capacity: 550 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: Double drum, grooved for 22 mm dia. wire rope.
Line speed: Double line on first drum layer
Hoisting/Lowering: 54 m/min

Diameter of wire ropes
Boom guy line: 30 mm
Boom hoist reeving: 16 parts of 22 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:
617.4 mm P.C.D. x 833.7 mm Lg. wide drum, grooved for 25.4 mm wire rope. Rope capacity is 430 m working length and 510 m storage length.
Rear drum:
617.1 mm P.C.D. x 833.7 mm Lg. wide drum, grooved for 25.4 mm wire rope. Rope capacity is 335 m working length and 510 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: 100 m/min
Line Pull (Single-line):
Rated line pull: 132 kN {13.5 tf}

Swing System

Swing unit is powered by hydraulic motor driving spur gears through planetary reducers (2 sets), the swing system provides 360° rotation.
Swing parking 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: 2.6 min^{-1} {rpm}

Upper Structure

Torsion-free precision machined upper frame. All components are located clearly and service friendly. Engine with low noise level. Complies with European Noise Regulations.
Counterweight: 60.0 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, and boom hoist pedal.

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.

Carbody weight: 20.0 ton

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): 64 shoes, 1,070 mm wide each crawler
Max. travel speed: 1.1/0.7 km/h
Max. gradeability: 30%

Weight

Including upper and lower machine, 60.0 ton counterweight and 20.0 ton carbody weight, basic boom (or basic boom + basic jib), hook, and other accessories.

Specification	Weight	Ground pressure
Crane boom	Approx. 164 ton,	103 kPa {1.06 kgf/cm²}
Luffing jib	Approx. 171 ton,	95 kPa {0.97 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	85.3 m
Luffing Boom	15.2 m	54.9 m
Long Boom	61.0 m	85.3 m
Fixed Jib	24.4 m + 12.2 m	73.2 m + 30.5 m
Luffing Jib	21.3 m + 21.3 m	54.9 m + 51.8 m

Main Specifications (Model: CKE 1800-1F)

Heavy Duty Crane Boom	
Max. Lifting Capacity	180 t/3.75 m
Max. Length	42.7 m
Crane Boom	
Max. Lifting Capacity	160 t/4.4 m
Max. Length	85.3 m
Luffing Boom	
Max. Lifting Capacity	110 t/5.2 m
Max. Length	54.9 m
Long Boom	
Max. Lifting Capacity	40.1 t/12.0 m
Max. Length	85.3 m
Fixed Jib	
Max. Lifting Capacity	26.8 t/15.2 m
Max. Length	30.5 m
Max. Combination	73.2 m + 30.5 m
Luffing Jib	
Max. Lifting Capacity	48.6 t/9.14 m
Jib Length	21.3 m ~ 51.8 m
Max. Combination	54.9 m + 51.8 m
Luffing Angle	60° ~ 88°
Working Speed	
Swing Speed	2.6 min⁻¹ {rpm}
Travel Speed	1.1/0.7 km/h

Power Plant	
Model	Hino P11C-UN
Engine Output	247 kW/2,000 min⁻¹ {rpm}
Fuel Tank Capacity	400 liters
Main & Aux. Winch	
Max. Line Speed	100 m/min (1st layer)
Rated Line Pull	132 kN {13.5 tf}
Wire Rope Diameter	25.4 mm
Wire Rope Length	430 m (Main) 335 m (Aux.)
Brake Type	Spring set hydraulically released (Negative)
Free Fall Brake	Wet-type multiple disc brake (Optional)
Hydraulic System	
Pumps	4 variable displacement
Max. Pressure	31.9 MPa {325 kgf/cm²}
Hydraulic Tank Capacity	550 liters
Self Erection Device	Standard
Weight	
Operating Weight*	Approx. 164 t
Ground Pressure*	103 kPa {1.06 kgf/cm²}
Counterweight	60.0 t (Upper), 20.0 t (Lower)
Transportation Weight**	Approx. 44.0 t

* Including upper and lower machine, 60.0 ton counterweight, 20.0 ton carbody weight, basic boom, hook, and other accessories.

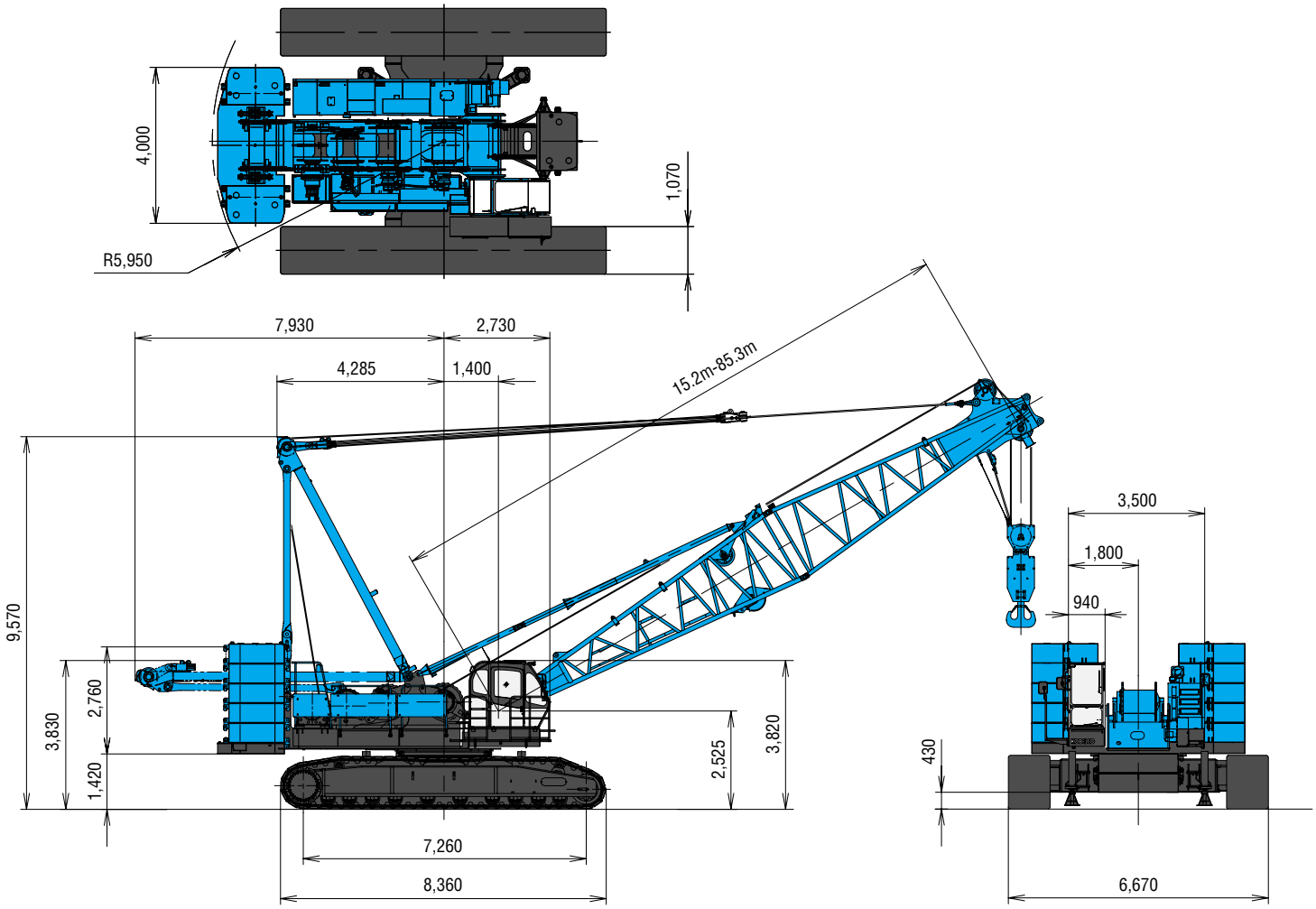
** Base machine with boom base, trans-lifter, main and aux. winches (non-freefall) including wire rope, self removal device.

Units are SI units. { } indicates conventional units.

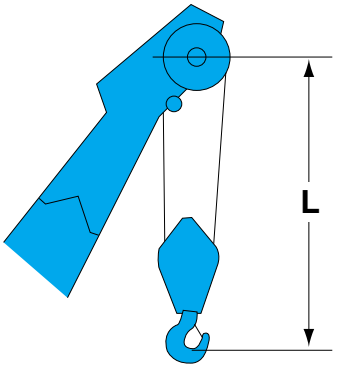
GENERAL DIMENSIONS

Crane Boom

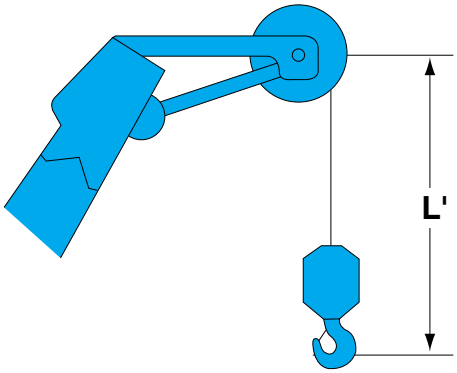
(Unit: mm)



Limit of Hook Lifting



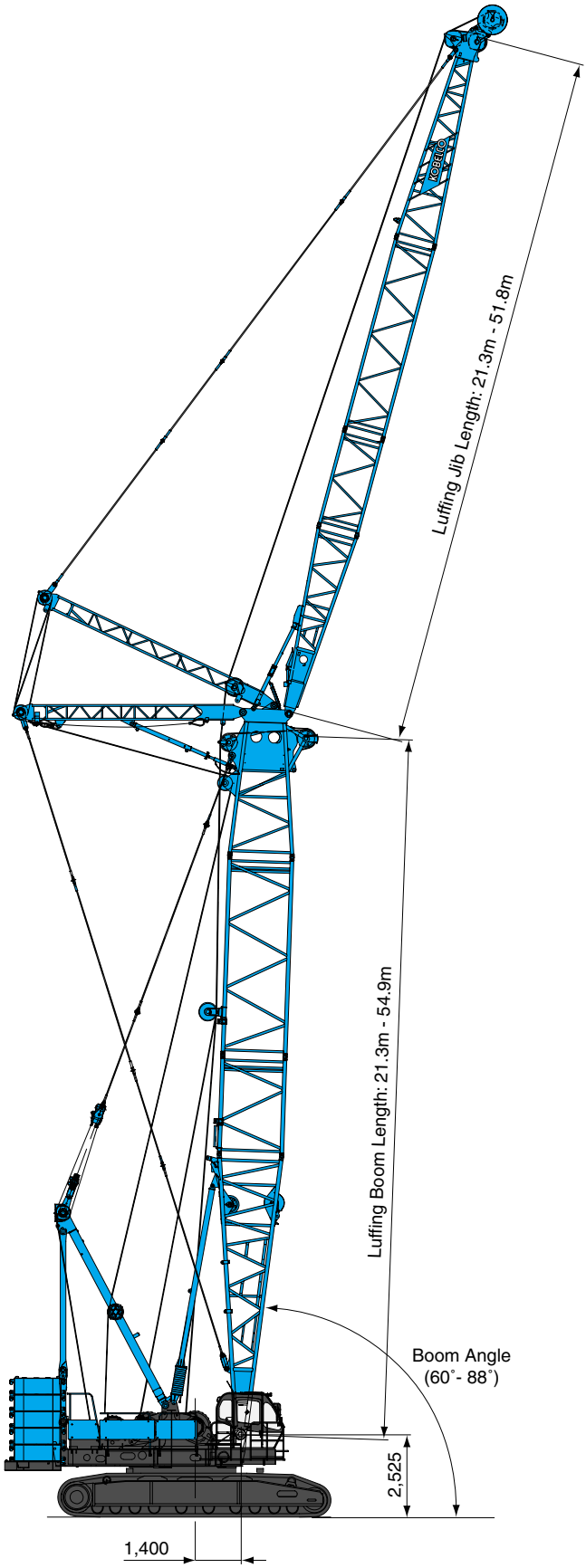
Hook	L
180 t/160 t hook	5.2 m
110 t hook	5.1 m
70 t hook	4.9 m
35 t hook	4.7 m



Hook	L'
13.5 t ball hook	3.5 m

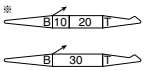
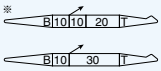
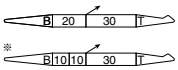
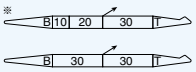
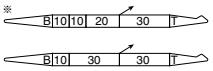
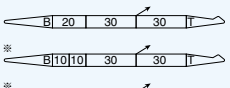
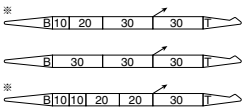
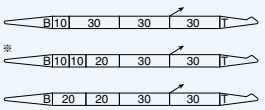
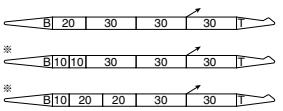
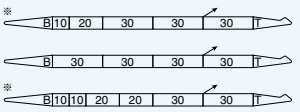
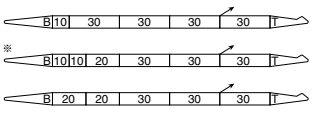
Luffing Jib

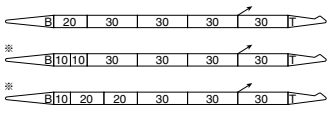
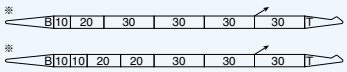
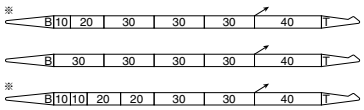
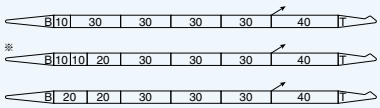
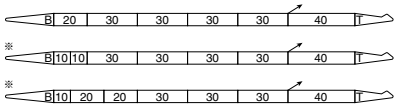
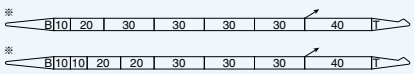
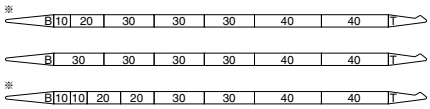
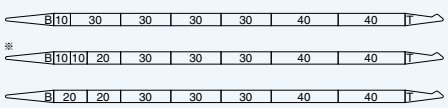
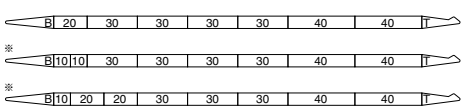
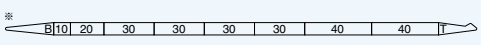
(Unit: mm)



BOOM AND JIB ARRANGEMENTS

Crane Boom Arrangements

Boom length m (ft)	Boom arrangement
12.2 (40)	
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)	
42.7 (140)	
45.7 (150)	
48.8 (160)	
51.8 (170)	
54.9 (180)	

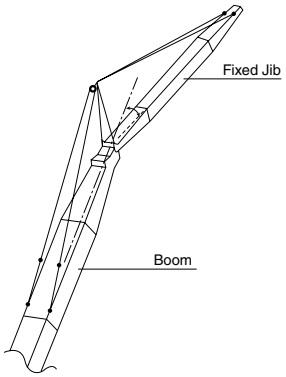
Boom length m (ft)	Boom arrangement
57.9 (190)	
61.0 (200)	
64.0 (210)	
67.1 (220)	
70.1 (230)	
73.2 (240)	
76.2 (250)	
79.3 (260)	
82.3 (270)	
85.3 (280)	

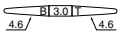
Symbol	Boom Length	Remarks
B	8.5 m	Boom Base
HT	3.7 m	Heavy Duty Crane Boom Top
T	6.7 m	Boom Top
10	3.0 m	Insert Boom
20	6.1 m	Insert Boom
30	9.1 m	Insert Boom
40	12.2 m	Insert Boom

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.

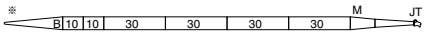
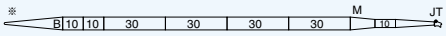
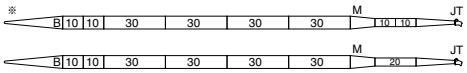
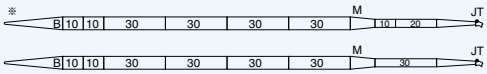
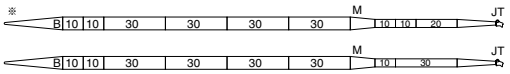
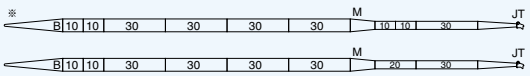
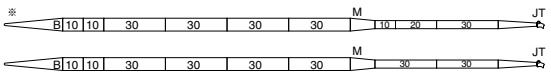
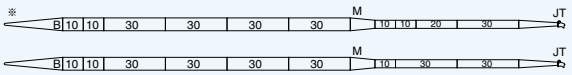
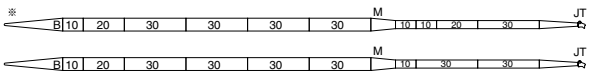
Fixed Jib Arrangements



Crane boom length	Jib length m (ft)	Jib arrangement
24.4 m ≀ 73.2 m	12.2(40)	
	18.3 (60)	
	24.4 (80)	
	30.5 (100)	

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

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)	
79.3 (260)	
82.3 (270)	
85.3 (280)	

Symbol	Long Boom Length	Remarks
B	8.5 m	Boom Base
	6.4 m	Luffing Jib Top
10	3.0 m	Insert Boom
20	6.1 m	Insert Boom
30	9.1 m	Insert Boom
M	3.6 m	Tapered Boom
10	3.0 m	Luffing Insert Jib
20	6.1 m	Luffing Insert Jib
30	9.1 m	Luffing Insert Jib

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

Luffing Boom Arrangements for Luffing

Boom length m (ft)	Boom arrangement
21.3 (70)	※ B 10 20 C B 30 C
24.4 (80)	※ B 10 10 20 C B 10 30 C
27.4 (90)	※ B 10 10 30 C B 20 30 C
30.5 (100)	※ B 10 20 30 C B 30 30 C
33.5 (110)	※ B 10 10 20 30 C B 10 30 30 C
36.6 (120)	※ B 10 10 30 30 C B 20 30 30 C

Boom length m (ft)	Boom arrangement
39.6 (130)	※ B 10 20 30 30 C B 30 30 30 C
42.7 (140)	※ B 10 10 20 30 30 C B 10 30 30 30 C
45.7 (150)	※ B 10 10 30 30 30 C B 20 30 30 30 C
48.8 (160)	※ B 10 20 30 30 30 C B 30 30 30 30 C
51.8 (170)	※ B 10 10 20 30 30 30 C B 10 30 30 30 30 C
54.9 (180)	※ B 10 10 30 30 30 30 C B 20 30 30 30 30 C

Symbol	Luffing Boom Length	Remarks
B	8.5 m	Boom Base
C	3.7 m	Luffing Boom Top
10	3.0 m	Insert Boom
20	6.1 m	Insert Boom
30	9.1 m	Insert Boom

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

Luffing Boom Arrangements for Crane

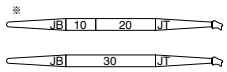
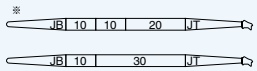
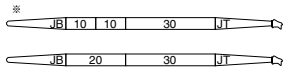
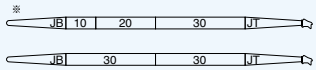
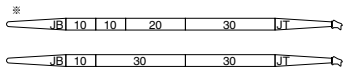
Boom length m (ft)	Boom arrangement
15.2 (50)	B 10 C
18.3 (60)	※ B 10 10 C B 20 C
21.3 (70)	※ B 10 20 C B 30 C
24.4 (80)	※ B 10 10 20 C B 10 30 C
27.4 (90)	※ B 10 10 30 C B 20 30 C
30.5 (100)	※ B 10 20 30 C B 30 30 C
33.5 (110)	※ B 10 10 20 30 C B 10 30 30 C

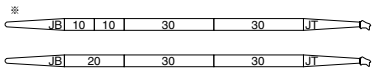
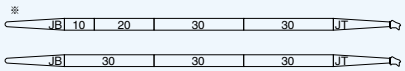
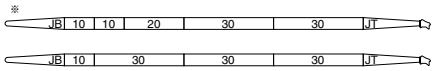
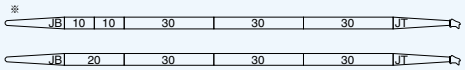
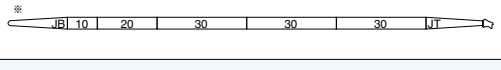
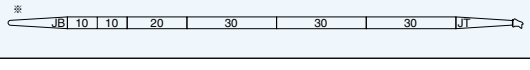
Boom length m (ft)	Boom arrangement
36.6 (120)	※ B 10 10 30 30 C B 20 30 30 C
39.6 (130)	※ B 10 20 30 30 C B 30 30 30 C
42.7 (140)	※ B 10 10 20 30 30 C B 10 30 30 30 C
45.7 (150)	※ B 10 10 30 30 30 C B 20 30 30 30 C
48.8 (160)	※ B 10 20 30 30 30 C B 30 30 30 30 C
51.8 (170)	※ B 10 10 20 30 30 30 C B 10 30 30 30 30 C
54.9 (180)	※ B 10 10 30 30 30 30 C B 20 30 30 30 30 C

Symbol	Luffing Boom Length	Remarks
B	8.5 m	Boom Base
C	3.7 m	Luffing Boom Top
10	3.0 m	Insert Boom
20	6.1 m	Insert Boom
30	9.1 m	Insert Boom

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

Luffing Jib Arrangements

Jib length m (ft)	Jib arrangement
21.3 (70)	
24.4 (80)	
27.4 (90)	
30.5 (100)	
33.5 (110)	

Jib length m (ft)	Jib arrangement
36.6 (120)	
39.6 (130)	
42.7 (140)	
45.7 (150)	
48.8 (160)	
51.8 (170)	

Symbol	Luffing Jib Length	Remarks
JB	5.8 m	Luffing Jib Base
JT	6.4 m	Luffing Jib Top
10	3.0 m	Luffing Insert Jib
20	6.1 m	Luffing Insert Jib
30	9.1 m	Luffing Insert Jib

※ Indicates the most flexible combination of insert luffing jibs, which can be modified to form all shorter luffing jib arrangements.

Luffing Boom and Jib Combinations.

Boom Length (m)	Jib Length (m)										
	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8
21.3	○	○	○	○	○	○	○	○	○	○	○
24.4	○	○	○	○	○	○	○	○	○	○	○
27.4	○	○	○	○	○	○	○	○	○	○	○
30.5	○	○	○	○	○	○	○	○	○	○	○
33.5	○	○	○	○	○	○	○	○	○	○	○
36.6	○	○	○	○	○	○	○	○	○	○	○
39.6	○	○	○	○	○	○	○	○	○	○	○
42.7	○	○	○	○	○	○	○	○	○	○	○
45.7	○	○	○	○	○	○	○	○	○	○	○
48.8	○	○	○	○	○	○	○	○	○	○	○
51.8	○	○	○	○	○	○	○	○	○	○	○
54.9	○	○	○	○	○	○	○	○	○	○	○

○ : Combinations which is allowed

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	6
180/160-ton	2,800	8	-	26.8	40.1	53.5	66.9	80.3
110-ton	1,800	4	-	26.8	40.1	53.5	66.9	80.3
70-ton	1,200	3	-	26.8	40.1	53.5	66.9	70.0
35-ton	900	1	-	26.8	35.0	-	-	-
13.5-ton ball hook	460	0	13.5	-	-	-	-	-

Hooks	Weight (kg)	No. of sheaves	No. of lines and max. rated loads (tons)					
			7	8	9	10	12	14
180/160-ton	2,800	8	93.7	107.0	120.4	133.8	160.0	180.0
110-ton	1,800	4	93.7	107.0	110.0	-	-	-
70-ton	1,200	3	-	-	-	-	-	-
35-ton	900	1	-	-	-	-	-	-
13.5-ton ball hook	460	0	-	-	-	-	-	-

Main Hoist Drum Rated Loads in Metric Tons

No. of Parts of Line	1	2	3	4	5	6
Max. Loads (ton)	13.5	26.8	40.1	53.5	66.9	80.3

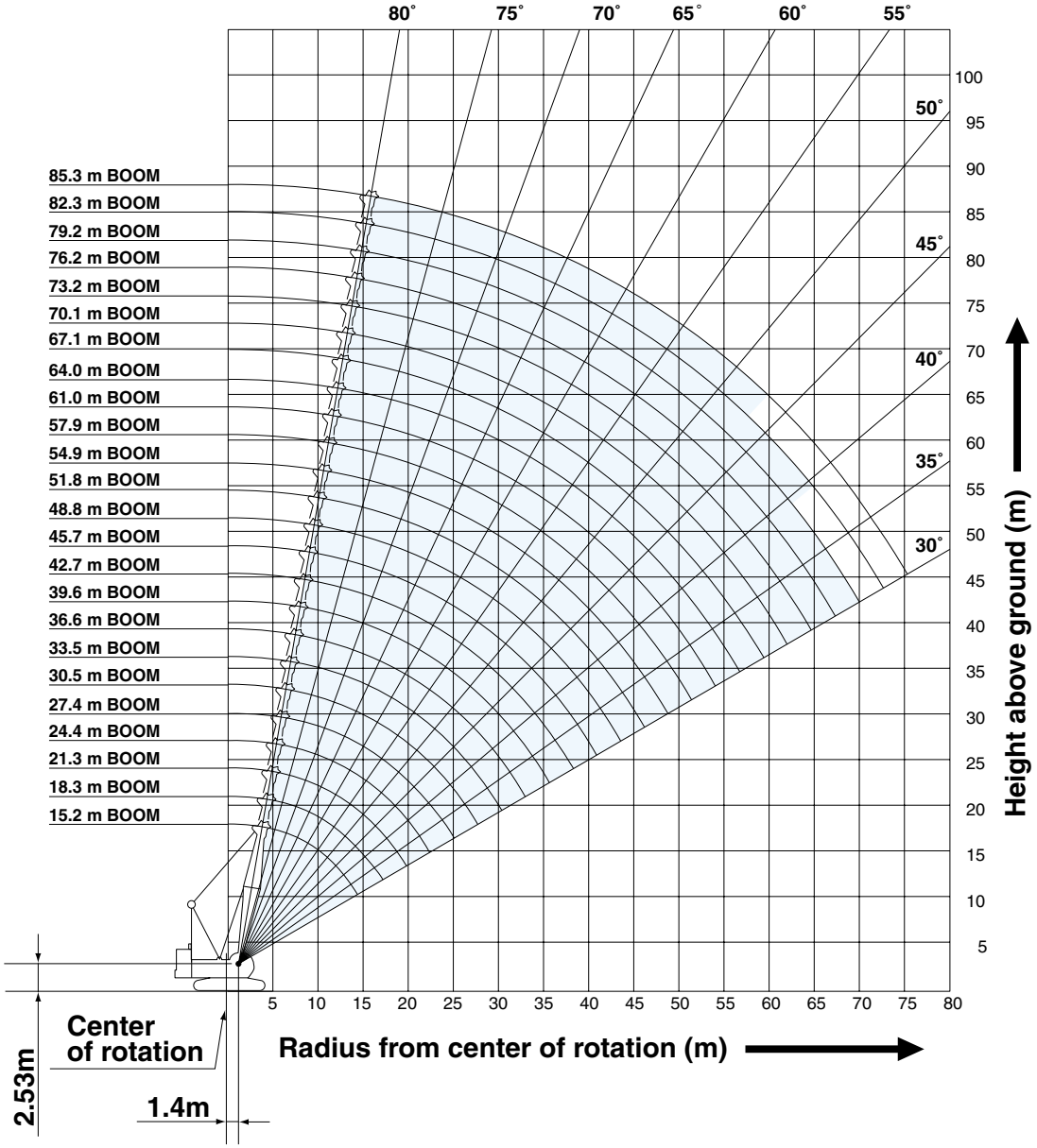
No. of Parts of Line	7	8	9	10	12	14
Max. Loads (ton)	93.7	107.0	120.4	133.8	160.0	180.0

Symbols for Attachments:

Crane Boom	Auxiliary Sheave for Crane Boom	Luffing Boom	Aux. Sheave for Luffing Boom	Long Boom	Aux. Sheave for Long Boom	Fixed Jib	Luffing Jib	Luffing Boom with Luffing Jib

WORKING RANGES AND LIFTING CAPACITIES

Crane Boom Working Ranges



NOTES:

1. Ratings according to EN13000.
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. Deduct weight of hook block(s), slings and all other load handling accessories from main boom or auxiliary sheave ratings shown.
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, up to 1% gradient.
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 16 part line.
10. Gantry must be in raised position for all conditions.
11. Boom backstops are required for all boom lengths.
12. The boom should be erected over the front of crawlers, not laterally.
13. Ratings shown in [ ] are determined by the strength of the boom or other structural component.
14. Instruction in the “Operator's Manual” must be strictly observed when operating the machine.
15. Crane boom ratings: Deduct weight of hook block(s), slings, and all other load handling accessories from crane boom ratings shown.
16. Auxiliary sheave ratings: Deduct 0.6 ton (weight of auxiliary sheave frame), weight of hook block(s), slings and all other load handling accessories from crane boom ratings shown, but should not exceed 26.8 tons.
    Crane boom lengths for auxiliary sheave mounting are 15.2 m to 82.3 m.
17. Crane boom ratings with auxiliary sheave: Deduct 0.6 ton, weight of hook block(s), slings and all other load handling accessories from crane boom ratings shown. Minimum ratings is 1.6 tons.
18. Heavy duty crane boom ratings: Deduct weight of hook block(s), slings and all other load handling accessories from crane boom ratings shown.

Crane Boom Lifting Capacity

Unit: metric ton

Counterweight: 60.0 t, Carbody weight: 20.0 t

Working radius (m) \ Boom Length (m)	12.2*	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	Boom Length (m) \ Working radius (m)
3.0	3.75m /180.0														**3.0**
4.0	171.5	4.4m /160.0	4.9m /144.2												**4.0**
5.0	140.5	141.6	141.6	5.4m /131.4	5.9m /121.3										**5.0**
6.0	119.1	119.3	119.3	119.3	119.3	6.4m /112.0	6.9m /103.9								**6.0**
7.0	102.0	102.7	102.7	102.7	102.7	102.7	102.5	7.4m / 97.1	7.9m / 90.6						**7.0**
8.0	88.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	8.4m / 80.3	8.9m / 76.8				**8.0**
9.0	76.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	78.4	76.3	9.4m / 70.6			**9.0**
10.0	67.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	70.2	68.4	66.6	10.0m / 65.4	10.5m / 60.7	**10.0**
12.0	51.4	58.8	58.7	58.6	58.5	58.4	58.3	58.2	58.2	57.8	56.5	55.1	54.0	52.8	**12.0**
14.0	12.4m / 50.0	47.2	47.7	47.6	47.4	47.3	47.2	47.0	47.0	46.9	46.7	46.5	46.0	45.0	**14.0**
16.0		14.8m / 41.9	40.2	40.1	39.9	39.8	39.6	39.4	39.4	39.3	39.1	38.9	38.8	38.6	**16.0**
18.0			17.5m / 35.9	34.4	34.2	34.1	34.0	33.7	33.7	33.6	33.3	33.2	33.1	32.9	**18.0**
20.0				30.1	29.8	29.6	29.5	29.3	29.2	29.1	28.9	28.7	28.6	28.4	**20.0**
22.0				20.1m / 29.9	26.5	26.3	26.2	25.9	25.8	25.7	25.5	25.3	25.3	25.0	**22.0**
24.0					22.7m / 25.4	23.6	23.4	23.2	23.0	22.9	22.7	22.5	22.4	22.2	**24.0**
26.0						25.4m / 22.0	21.1	20.9	20.7	20.6	20.4	20.2	20.1	19.9	**26.0**
28.0							28.0m / 19.2	19.0	18.8	18.7	18.5	18.3	18.2	18.0	**28.0**
30.0								17.4	17.2	17.1	16.9	16.7	16.6	16.4	**30.0**
32.0								30.7m / 16.9	15.8	15.7	15.4	15.2	15.1	14.9	**32.0**
34.0									33.3m / 15.0	14.4	14.2	14.0	13.9	13.6	**34.0**
36.0										35.9m / 13.4	13.1	13.0	12.8	12.6	**36.0**
38.0											12.2	12.1	11.8	11.7	**38.0**
40.0											38.6m / 12.0	11.1	11.0	10.7	**40.0**
42.0												41.2m / 10.7	10.3	10.0	**42.0**
44.0													43.8m / 9.7	9.4	**44.0**
46.0														8.7	**46.0**
48.0														46.5m / 8.6	**48.0**
Reeves	14	12	12	10	10	9	8	8	7	6	6	6	5	5	**Reeves**

* Values of 12.2 m boom length are lifting capacities for heavy duty crane boom.

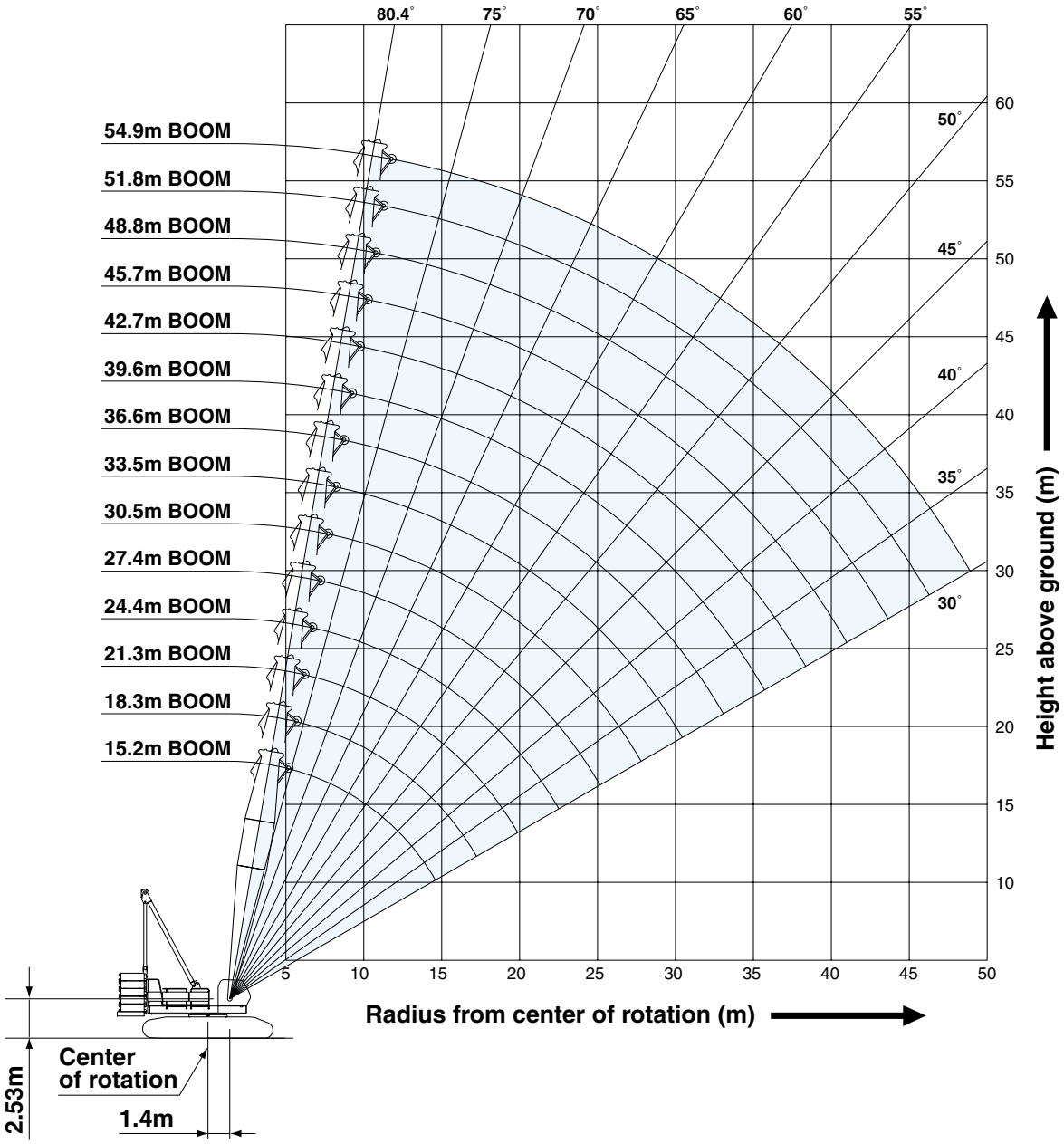
Working radius (m) \ Boom Length (m)	54.9	57.9	61.0	64.0	67.1	70.1	73.2	76.2	79.2	82.3	85.3	Boom Length (m) \ Working radius (m)
10.0	11.0m / 56.4	11.5m / 52.4										**10.0**
12.0	51.5	50.5	12.0m / 48.3	12.5m / 44.7	13.0m / 41.2	13.5m / 38.0						**12.0**
14.0	43.9	43.2	42.3	41.5	40.1	37.5	14.0m / 34.5	14.5m / 31.8	15.0m / 29.0	15.5m / 25.9		**14.0**
16.0	38.1	37.5	36.7	36.1	35.3	34.8	32.2	30.1	27.9	25.3	16.1m / 21.0	**16.0**
18.0	32.7	32.7	32.3	31.8	31.1	30.7	29.8	27.8	25.9	22.9	19.0	**18.0**
20.0	28.3	28.2	28.0	27.9	27.7	27.3	26.7	25.8	23.9	20.9	17.2	**20.0**
22.0	24.9	24.8	24.6	24.5	24.4	24.2	24.0	23.6	22.0	19.1	15.6	**22.0**
24.0	22.1	22.0	21.9	21.7	21.6	21.4	21.4	21.3	20.3	17.5	14.2	**24.0**
26.0	19.7	19.7	19.4	19.4	19.2	19.0	19.0	18.9	18.7	16.0	13.0	**26.0**
28.0	17.8	17.7	17.5	17.5	17.3	17.1	17.0	17.0	16.8	14.7	11.8	**28.0**
30.0	16.2	16.1	15.9	15.8	15.6	15.5	15.4	15.3	15.2	13.5	10.8	**30.0**
32.0	14.7	14.6	14.4	14.3	14.2	14.0	13.9	13.8	13.7	12.4	9.9	**32.0**
34.0	13.5	13.4	13.2	13.1	12.9	12.8	12.7	12.6	12.4	11.4	9.0	**34.0**
36.0	12.4	12.3	12.1	12.0	11.9	11.7	11.6	11.5	11.3	10.4	8.2	**36.0**
38.0	11.4	11.3	11.2	11.1	10.9	10.8	10.7	10.5	10.3	9.6	7.4	**38.0**
40.0	10.6	10.4	10.2	10.2	10.0	9.8	9.7	9.6	9.4	8.7	6.7	**40.0**
42.0	9.9	9.7	9.5	9.4	9.3	9.1	9.0	8.9	8.7	8.0	6.0	**42.0**
44.0	9.2	9.0	8.9	8.8	8.5	8.4	8.3	8.2	8.0	7.3	5.4	**44.0**
46.0	8.5	8.4	8.2	8.1	7.9	7.7	7.6	7.5	7.4	6.6	4.8	**46.0**
48.0	8.0	7.9	7.6	7.6	7.4	7.2	7.1	7.0	6.8	6.0	4.2	**48.0**
50.0	49.1m / 7.7	7.4	7.1	7.0	6.9	6.7	6.6	6.5	6.3	5.4	3.7	**50.0**
52.0		51.8m / 6.9	6.7	6.6	6.4	6.2	6.0	5.9	5.8	4.8	3.2	**52.0**
54.0			6.2	6.2	6.0	5.7	5.6	5.5	5.3	4.3	2.7	**54.0**
56.0			54.4m / 6.1	5.8	5.5	5.3	5.2	5.0	4.8	3.8	2.2	**56.0**
58.0				57.0m / 5.5	5.1	4.9	4.7	4.6	4.4	3.3	1.8	**58.0**
60.0					59.7m / 4.8	4.5	4.4	4.2	4.0	2.8	59.0m / 1.6	**60.0**
62.0						4.2	4.0	3.9	3.7	2.4		**62.0**
64.0						62.3m / 4.1	3.7	3.6	3.3	1.9		**64.0**
66.0							65.0m / 3.5	3.2	2.9	65.0m / 1.7		**66.0**
68.0								67.6m / 3.0	2.4			**68.0**
70.0									70.0m / 2.0			**70.0**
reeves	5	4	4	4	4	3	3	3	3	2	2	**reeves**

Note: Ratings according to EN13000.

Ratings shown in [ ] are determined by the strength of the boom or other structural components.

Refer to notes P12.

Luffing Boom Working Ranges



NOTES:

1. Ratings according to EN13000.
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. Deduct weight of hook block(s), slings and all other load handling accessories from long boom or jib ratings shown.
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, up to 1% gradient.
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. Boom hoist reeving is 16 part line.
10. Gantry must be in raised position for all conditions.
11. Boom backstops are required for all boom lengths.
12. The boom should be erected over the front of crawlers, not laterally.
13. Ratings shown in [ ] are determined by the strength of the boom or other structural component.
14. Instruction in the “Operator's Manual” must be strictly observed when operating the machine.
15. Luffing boom ratings: Deduct weight of hook block(s), slings and all other load handling accessories from luffing boom ratings shown.
16. Auxiliary sheave ratings: Deduct 0.6 ton (weight of auxiliary sheave frame), weight of hook block(s), slings and all other load handling accessories from luffing boom ratings shown, but should not exceed 26.8 tons.
    Luffing boom lengths for auxiliary sheave mounting are 15.2 m to 54.9 m.
17. Luffing boom ratings with auxiliary sheave: Deduct 0.6 ton, weight of hook block(s), slings and all other load handling accessories from luffing boom ratings shown.

Luffing Boom Lifting Capacity

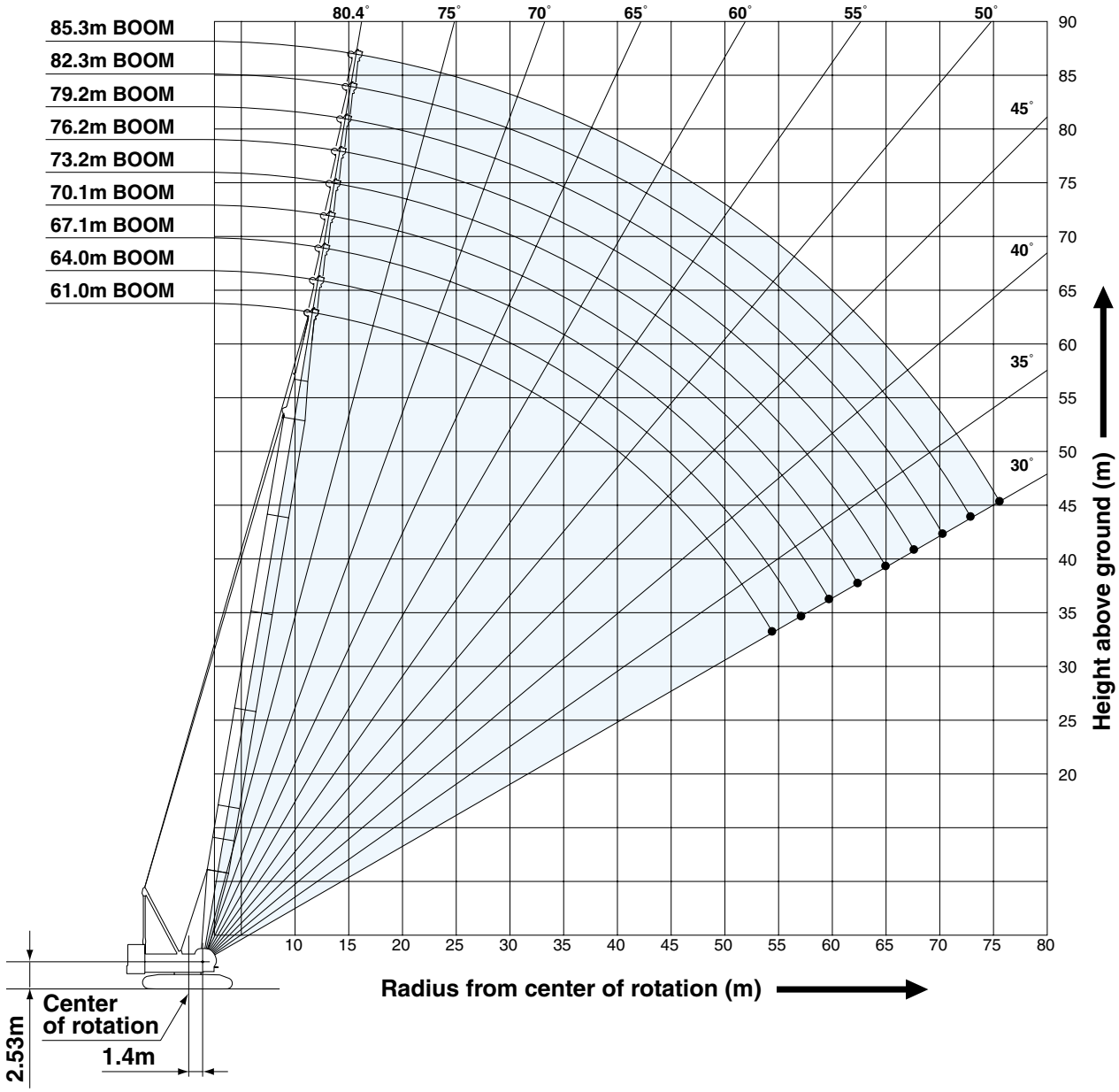
Unit: metric ton

Counterweight: 60.0 t, Carbody weight: 20.0 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	51.8	54.9	Boom Length (m) \ Working radius (m)
5.0	5.2m /110.0	5.7m /107.0													**5.0**
6.0	107.0	106.7	6.2m /106.2	6.8m /103.7											**6.0**
7.0	101.3	101.2	101.1	101.0	7.3m /96.8	7.8m /90.4									**7.0**
8.0	89.8	89.7	89.6	89.5	89.4	89.3	8.3m /85.5	8.8m /80.3							**8.0**
9.0	79.4	79.3	79.3	79.1	79.0	79.0	78.8	78.7	9.3m /75.5	9.8m /69.3					**9.0**
10.0	71.2	71.1	71.0	70.9	70.8	70.7	70.6	70.5	69.4	67.5	10.3m /64.0	10.8m /59.3	11.3m /55.1	11.8m /51.3	**10.0**
12.0	57.5	57.3	57.2	57.0	56.9	56.8	56.6	56.6	56.5	55.5	54.2	52.9	51.6	50.4	**12.0**
14.0	46.2	46.4	46.3	46.1	46.0	45.9	45.7	45.7	45.6	45.4	45.2	44.8	43.7	42.7	**14.0**
16.0	15.2m /39.2	39.0	38.9	38.6	38.5	38.4	38.2	38.1	38.0	37.8	37.7	37.6	37.4	36.9	**16.0**
18.0		17.8m /33.6	33.2	32.9	32.8	32.7	32.5	32.4	32.3	32.1	32.0	31.9	31.7	31.5	**18.0**
20.0			29.2	28.7	28.6	28.4	28.2	28.1	28.0	27.8	27.7	27.6	27.4	27.2	**20.0**
22.0			20.5m /28.0	25.3	25.2	25.1	24.8	24.7	24.6	24.4	24.2	24.2	24.0	23.8	**22.0**
24.0				23.1m /23.7	22.5	22.3	22.1	22.0	21.9	21.6	21.5	21.4	21.2	21.0	**24.0**
26.0					25.7m /20.4	20.1	19.8	19.7	19.6	19.3	19.2	19.1	18.9	18.7	**26.0**
28.0						18.2	17.9	17.8	17.7	17.5	17.3	17.2	17.0	16.8	**28.0**
30.0						28.4m /17.8	16.3	16.2	16.1	15.8	15.7	15.6	15.4	15.2	**30.0**
32.0							31.0m /15.6	14.8	14.7	14.4	14.3	14.2	13.9	13.8	**32.0**
34.0								33.7m /13.8	13.5	13.3	13.1	13.0	12.7	12.6	**34.0**
36.0									12.5	12.2	12.0	11.9	11.7	11.5	**36.0**
38.0									36.3m /12.3	11.2	11.0	10.9	10.7	10.5	**38.0**
40.0										38.9m /10.9	10.3	10.2	9.9	9.7	**40.0**
42.0											41.6m /9.7	9.4	9.1	9.0	**42.0**
44.0												8.8	8.5	8.3	**44.0**
46.0												44.2m /8.6	7.8	7.7	**46.0**
48.0													46.9m /7.6	7.1	**48.0**
50.0														49.5m /6.7	**50.0**
Reeves	8	8	8	8	8	7	7	6	6	6	5	5	5	4	**Reeves**

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Refer to notes P14.

Long Boom Working Ranges



NOTES:

1. Ratings according to EN13000.
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. Deduct weight of hook block(s), slings and all other load handling accessories from long boom or jib ratings shown.
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, up to 1% gradient.
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. Boom hoist reeving is 16 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. Long boom ratings: Deduct weight of hook block(s), slings and all other load handling accessories from long boom ratings shown.
15. Auxiliary sheave ratings: Deduct 0.4 ton (weight of auxiliary sheave frame), weight of hook block(s), slings and all other load handling accessories from long boom ratings shown, but should not exceed 13.5 tons. Long boom length for auxiliary sheave mounting are 61.0 m to 79.2 m.

Long Boom Lifting Capacity

Unit: metric ton

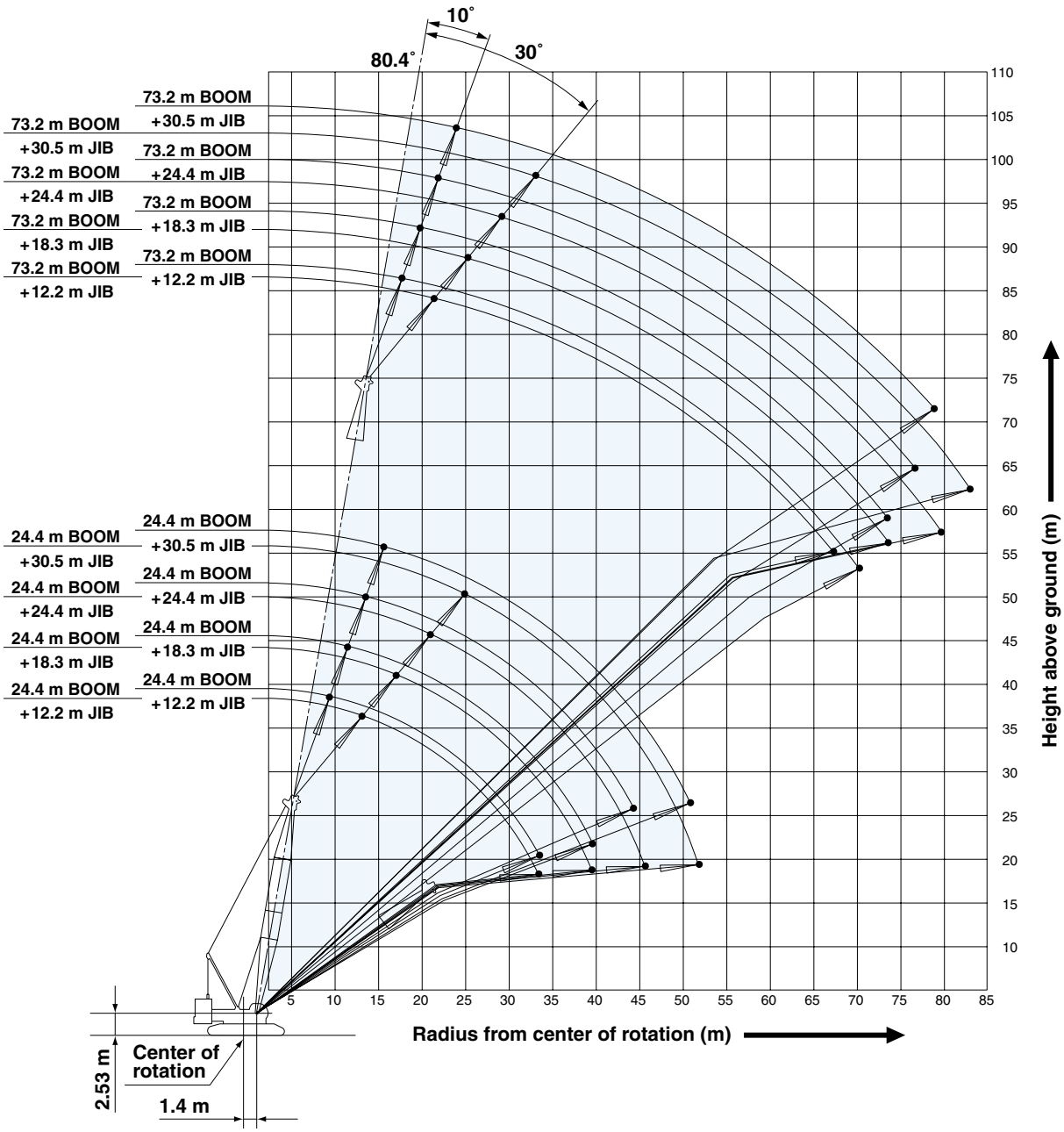
Counterweight: 60.0 t,
Carbody weight: 20.0 t

Working radius (m) \ Boom Length (m)	61.0	64.0	67.1	70.1	73.2	76.2	79.2	82.3	85.3	Boom Length (m) \ Working radius (m)
10.0	11.9m /40.1									**10.0**
12.0	40.1	12.4m /37.8	12.9m /35.0	13.4m /33.2	13.9m /31.6					**12.0**
14.0	37.2	35.8	34.5	32.8	31.5	14.4m /27.9	14.9m /23.9	15.5m /20.7		**14.0**
16.0	34.1	33.1	32.1	30.6	29.5	26.5	23.2	20.4	20.3	**16.0**
18.0	31.0	30.3	29.6	28.4	27.5	24.9	21.9	19.4	19.3	**18.0**
20.0	27.9	27.4	27.1	26.2	25.5	23.3	20.6	18.4	18.3	**20.0**
22.0	24.9	24.7	24.5	24.0	23.5	21.7	19.5	17.4	17.3	**22.0**
24.0	22.1	22.0	21.9	21.8	21.5	20.1	18.3	16.4	16.4	**24.0**
26.0	19.8	19.7	19.6	19.6	19.5	18.5	17.1	15.5	15.5	**26.0**
28.0	17.9	17.8	17.7	17.6	17.5	17.0	16.0	14.7	14.7	**28.0**
30.0	16.3	16.2	16.1	16.0	15.9	15.5	14.9	13.9	13.9	**30.0**
32.0	14.9	14.8	14.6	14.6	14.5	14.1	13.7	13.0	13.0	**32.0**
34.0	13.6	13.5	13.4	13.4	13.2	12.9	12.8	12.3	12.3	**34.0**
36.0	12.6	12.5	12.3	12.3	12.2	11.9	11.8	11.5	11.5	**36.0**
38.0	11.6	11.5	11.4	11.3	11.2	10.9	10.9	10.8	10.8	**38.0**
40.0	10.8	10.7	10.5	10.5	10.4	10.1	10.0	10.0	10.0	**40.0**
42.0	10.0	9.9	9.8	9.7	9.6	9.4	9.3	9.3	9.3	**42.0**
44.0	9.3	9.2	9.1	9.0	8.9	8.7	8.6	8.6	8.6	**44.0**
46.0	8.7	8.6	8.5	8.4	8.3	8.1	8.0	8.0	8.0	**46.0**
48.0	8.2	8.0	7.9	7.9	7.7	7.5	7.4	7.4	7.4	**48.0**
50.0	7.7	7.5	7.4	7.3	7.2	7.0	6.9	6.9	6.9	**50.0**
52.0	7.2	7.1	6.9	6.9	6.7	6.5	6.5	6.5	6.5	**52.0**
54.0	6.8	6.6	6.5	6.4	6.3	6.1	6.0	6.0	6.0	**54.0**
56.0	54.5m /6.7	6.3	6.1	6.1	5.9	5.7	5.7	5.7	5.6	**56.0**
58.0		57.2m /6.0	5.8	5.7	5.6	5.4	5.3	5.3	5.2	**58.0**
60.0			59.8m /5.5	5.4	5.2	5.0	5.0	5.0	4.8	**60.0**
62.0				5.0	4.9	4.7	4.6	4.6	4.4	**62.0**
64.0				62.4m /5.0	4.6	4.4	4.4	4.3	4.1	**64.0**
66.0					65.1m /4.5	4.2	4.1	4.0	3.8	**66.0**
68.0						67.7m /3.9	3.8	3.7	3.5	**68.0**
70.0							3.5	3.5	3.2	**70.0**
72.0							70.4m /3.4	3.2	3.0	**72.0**
74.0								73.0m /3.1	2.8	**74.0**
76.0									75.6m /2.6	**76.0**
reeves	3	3	3	3	3	3	2	2	2	**reeves**

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Refer to notes P16.

Fixed Jib Working Ranges

Jib Offset Angle: 10°, 30°



NOTES:

1. Ratings according to EN 13000.
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. Deduct weight of hook block (s), slings and all other load handling accessories from fixed jib ratings shown.
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, up to 1% gradient.
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 16 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. The boom should be erected over the front of the crawlers not laterally.
14. Instruction in the “Operator's Manual” must be strictly observed when operating the machine.
15. Fixed jib ratings: Deduct weight of hook block (s), slings, and all other load handling accessories from jib ratings shown.
16. Boom lengths for jib mounting are 24.4 m to 73.2 m.
17. One part of line on hook is not allowed to use for 12.2 m jib length with offset angle 10 degrees.

Fixed Jib Lifting Capacities (Without Main Hook)

Unit: metric ton

Jib Offset Angle: 10°

Counterweight: 60.0 t, Carbody weight: 20.0 t

Working radius (m)	Boom length (m)	24.4				33.5				42.7				51.8				Boom length (m)	Working radius (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)	
9.0		9.8m/26.8																9.0	
10.0		26.8	11.0m/19.5			11.0m/26.8												10.0	
12.0		26.5	19.3	12.8m/10.1		26.3	12.8m/19.4			12.2m/26.8								12.0	
14.0		23.1	18.9	9.9	14.0m/6.1	24.3	19.1	14.6m/10.1		26.0	14.6m/19.3			14.0m/26.8				14.0	
16.0		20.7	18.1	9.7	5.9	22.8	18.7	9.9	16.8m/6.0	24.6	19.1	16.8m/10.0		26.0	16.8m/19.2			16.0	
18.0		19.2	17.5	9.5	5.8	21.4	18.2	9.7	5.9	23.2	18.6	9.9	18.3m/ 6.0	24.6	18.9	18.3m/ 9.9	19.8m/6.0	18.0	
20.0		18.0	16.2	9.3	5.6	20.1	17.6	9.5	5.8	21.9	18.1	9.7	5.9	23.4	18.5	9.8	6.0	20.0	
22.0		16.9	14.3	8.8	5.3	19.1	16.7	9.3	5.6	20.8	17.7	9.5	5.8	22.3	18.1	9.7	5.9	22.0	
24.0		16.0	13.2	8.4	5.0	18.1	15.4	9.0	5.4	19.8	17.2	9.4	5.7	21.3	17.8	9.5	5.8	24.0	
26.0		15.2	12.2	8.1	4.8	17.1	14.3	8.7	5.2	18.9	16.1	9.2	5.5	20.0	17.4	9.4	5.6	26.0	
28.0		14.4	11.3	7.8	4.6	16.4	13.3	8.3	4.9	18.0	15.1	8.8	5.3	18.1	16.7	9.3	5.5	28.0	
30.0		13.7	10.6	7.4	4.4	15.7	12.5	8.0	4.7	16.8	14.2	8.6	5.0	16.4	15.7	9.0	5.3	30.0	
34.0		33.5m/12.7	9.4	6.9	4.0	14.5	11.1	7.5	4.4	14.2	12.6	8.0	4.7	13.7	13.9	8.5	4.9	34.0	
38.0			8.4	6.5	3.7	12.7	10.0	7.1	4.0	12.2	11.4	7.6	4.4	11.6	11.8	8.0	4.6	38.0	
42.0			39.6m/8.2	6.2	3.4	39.6m/12.0	9.1	6.7	3.8	10.5	10.4	7.2	4.1	9.9	10.2	7.6	4.4	42.0	
46.0				44.2m/6.1	3.2		45.7m/8.4	6.4	3.5	9.2	9.4	6.8	3.9	8.6	8.8	7.3	4.1	46.0	
50.0					3.0			6.1	3.3	48.8m/8.4	8.3	6.5	3.6	7.5	7.7	6.9	3.9	50.0	
54.0					50.3m/3.0			51.8m/6.1	3.2		7.3	6.3	3.4	6.5	6.8	6.7	3.7	54.0	
58.0									57.9m/3.0		54.9m/7.1	6.1	3.3	57.9m/5.8	5.9	6.2	3.5	58.0	
62.0												61.0m/6.0	3.1		61.0m/5.4	5.5	3.4	62.0	
66.0													3.0			4.9	3.2	66.0	
70.0													67.1m/3.0			67.1m/4.7	3.1	70.0	
74.0																	73.2m/3.0	74.0	
	Reeves	2	2	1	1	2	2	1	1	2	2	1	1	2	2	1	1	Reeves	

Working radius (m)	Boom length (m)	61.0				70.1				73.2				Boom length (m)	Working radius (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)	
16.0		16.8m/26.6				16.8m/21.7								16.0	
18.0		25.9	18.3m/19.1	19.8m/9.9		21.4	19.8m/19.1			18.3m/19.1	19.8m/18.7			18.0	
20.0		24.7	18.8	9.9	21.3m/6.0	21.0	19.1	21.3m/9.9		18.8	18.7	21.3m/9.9		20.0	
22.0		23.6	18.5	9.8	5.9	20.6	18.7	9.9	22.9m/5.9	18.4	18.3	9.9	22.9m/6.0	22.0	
24.0		21.8	18.1	9.7	5.9	20.2	18.4	9.8	5.9	18.0	17.9	9.8	5.9	24.0	
26.0		19.6	17.8	9.5	5.7	19.1	18.1	9.7	5.8	17.6	17.5	9.7	5.8	26.0	
28.0		17.6	17.3	9.4	5.6	17.1	17.4	9.5	5.7	16.9	16.9	9.5	5.7	28.0	
30.0		15.9	16.1	9.3	5.5	15.4	15.7	9.4	5.6	15.2	15.6	9.4	5.6	30.0	
34.0		13.2	13.4	8.8	5.2	12.7	13.0	9.2	5.4	12.5	12.8	9.2	5.4	34.0	
38.0		11.1	11.3	8.4	4.9	10.6	10.9	8.7	5.1	10.4	10.7	8.8	5.2	38.0	
42.0		9.4	9.7	8.0	4.6	8.9	9.2	8.3	4.8	8.8	9.0	8.4	4.9	42.0	
46.0		8.0	8.3	7.6	4.4	7.6	7.8	7.9	4.6	7.3	7.6	8.0	4.6	46.0	
50.0		6.9	7.2	7.3	4.1	6.5	6.7	7.1	4.3	6.3	6.5	6.8	4.4	50.0	
54.0		6.0	6.2	6.5	3.9	5.5	5.8	6.1	4.1	5.3	5.5	5.9	4.2	54.0	
58.0		5.2	5.4	5.7	3.7	4.6	4.9	5.3	3.9	4.4	4.6	5.1	4.0	58.0	
62.0		4.4	4.7	5.0	3.5	3.8	4.1	4.5	3.8	3.5	3.8	4.2	3.8	62.0	
66.0		64.0m/4.1	4.0	4.4	3.4	3.1	3.4	3.8	3.6	2.8	3.0	3.5	3.6	66.0	
70.0			3.4	3.7	3.3	2.4	2.7	3.1	3.3	2.1	2.4	2.8	2.9	70.0	
74.0			70.1m/3.4	3.1	3.2	73.2m/2.0	2.1	2.5	2.7	70.1m/2.1	73.2m/2.0	2.3	2.4	74.0	
78.0				76.2m/2.9	2.8		76.2m/1.9	2.0	2.2			76.2m/2.0	77.7m/2.0	78.0	
82.0					2.3			79.2m/1.9	80.8m/1.9					82.0	
86.0					82.3m/2.3									86.0	
	Reeves	2	2	1	1	2	2	1	1	2	2	1	1	Reeves	

Note: Ratings according to EN13000.

Ratings shown in [ ] are determined by the strength of the boom or other structural components.

Refer to notes P18.

※ One part of line on hook is not allowed to use for 12.2 m jib length with offset angle 10 degrees.

Unit: metric ton

Jib Offset Angle: 30°

Counterweight: 60.0 t, Carbody weight: 20.0 t

Boom length (m)	24.4				33.5				42.7				51.8				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	13.4m/17.2																12.0
14.0	17.2				14.6m/17.2												14.0
16.0	16.0	16.8m/12.8			16.8				16.8m/17.1								16.0
18.0	15.2	12.2			16.1	18.3m/12.8			16.7	19.8m/12.8			18.3m/17.1				18.0
20.0	14.3	11.2	21.3m/7.5		15.6	12.1			16.1	12.8			16.6	21.3m/12.8			20.0
22.0	13.5	10.5	7.4		14.8	11.4	22.9m/7.5		15.7	12.1			16.2	12.6			22.0
24.0	12.7	9.8	7.2	24.4m/4.1	14.1	10.8	7.4	25.9m/4.1	15.2	11.4	24.4m/7.5		15.8	12.0	25.9m/7.5		24.0
26.0	12.1	9.3	7.0	4.0	13.4	10.2	7.2	4.1	14.5	10.9	7.4	27.4m/4.1	15.3	11.5	7.5		26.0
28.0	11.6	8.8	6.8	3.9	12.8	9.7	7.0	4.0	13.9	10.4	7.2	4.1	14.8	11.0	7.4	29.0m/4.1	28.0
30.0	11.2	8.3	6.5	3.7	12.3	9.2	6.8	3.9	13.4	9.9	7.1	4.0	14.2	10.5	7.2	4.0	30.0
34.0	33.5m/10.6	7.6	5.9	3.4	11.5	8.4	6.4	3.6	12.5	9.1	6.8	3.8	13.3	9.8	6.9	3.9	34.0
38.0		7.1	5.4	3.3	36.6m/11.1	7.8	5.9	3.4	11.7	8.5	6.4	3.5	11.9	9.1	6.7	3.7	38.0
42.0		39.6m/7.0	5.0	3.1		7.4	5.5	3.3	10.7	8.0	5.9	3.4	10.2	8.6	6.3	3.5	42.0
46.0			45.7m/4.8	3.0		42.7m/7.3	5.2	3.1	45.7m/9.4	7.5	5.6	3.3	8.8	8.1	5.9	3.4	46.0
50.0				2.9			48.8m/5.0	3.0		7.2	5.3	3.1	7.6	7.7	5.6	3.2	50.0
54.0				51.8m/2.9				2.9		51.8m/7.1	5.0	3.0	51.8m/7.2	7.1	5.4	3.2	54.0
58.0								54.9m/2.9			57.9m/4.9	2.9		57.9m/6.2	5.1	3.0	58.0
62.0												2.9			4.9	3.0	62.0
66.0												64.0m/2.9			64.0m/4.9	2.9	66.0
70.0																2.9	70.0
74.0																70.1m/2.9	74.0
Reeves	2	1	1	1	2	1	1	1	2	1	1	1	2	1	1	1	Reeves

Working radius (m)

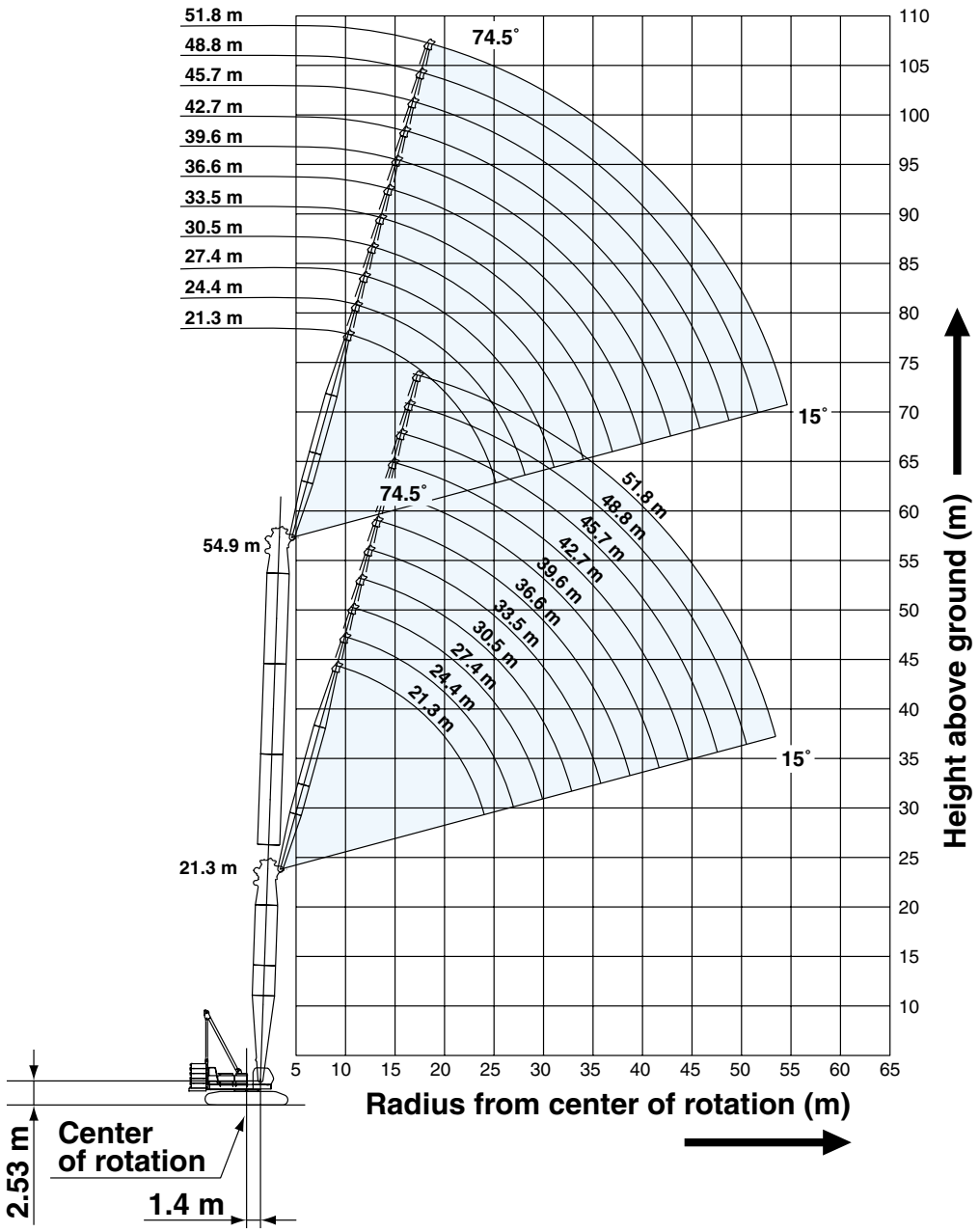
Boom length (m)	61.0				70.1				73.2				Boom length (m)
Jib length (m)	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	Jib length (m)
18.0	19.8m/17.1												18.0
20.0	17.0				21.3m/17.1				21.3m/17.2				20.0
22.0	16.6	22.9m/12.8			16.9				17.1				22.0
24.0	16.2	12.5			16.6	24.4m/13.2			16.7	25.9m/12.9			24.0
26.0	15.9	12.0	27.4m/7.5		16.2	12.8			16.4	12.9			26.0
28.0	15.5	11.5	7.5		15.9	12.3	29.0m/7.5		16.0	12.4	29.0m/7.6		28.0
30.0	15.0	11.0	7.3	30.5m/4.1	15.6	11.8	7.5	32.0m/4.1	15.6	12.0	7.5	32.0m/4.1	30.0
34.0	13.6	10.3	7.1	3.9	13.2	11.1	7.2	4.0	13.1	11.2	7.3	4.0	34.0
38.0	11.4	9.6	6.8	3.8	11.1	10.4	7.0	3.8	10.9	10.5	7.0	3.9	38.0
42.0	9.7	9.1	6.6	3.6	9.3	9.8	6.8	3.7	9.1	9.8	6.8	3.7	42.0
46.0	8.3	8.6	6.3	3.4	7.9	8.5	6.6	3.5	7.7	8.3	6.7	3.6	46.0
50.0	7.1	7.6	5.9	3.4	6.7	7.3	6.4	3.4	6.5	7.1	6.5	3.4	50.0
54.0	6.2	6.6	5.7	3.3	5.8	6.3	6.1	3.4	5.6	6.1	6.2	3.4	54.0
58.0	57.9m/5.3	5.8	5.4	3.1	4.9	5.4	5.7	3.2	4.6	5.2	5.6	3.3	58.0
62.0		5.0	5.2	3.0	4.0	4.6	4.9	3.1	3.7	4.4	4.8	3.2	62.0
66.0		64.0m/4.7	4.6	3.0	3.2	3.8	4.2	3.1	2.9	3.6	4.0	3.1	66.0
70.0			4.0	2.9	67.1m/3.0	3.1	3.5	3.0	67.1m/2.8	2.9	3.3	3.0	70.0
74.0			70.1m/4.0	2.9		73.2m/2.6	2.9	2.9		73.2m/2.4	2.6	2.9	74.0
78.0				76.2m/2.9			2.3	2.6			2.0	2.4	78.0
82.0							79.2m/2.1	2.0			79.2m/1.9	1.8	82.0
84.0								83.8m/1.8				82.3m/1.8	84.0
Reeves	2	1	1	1	2	1	1	1	2	1	1	1	Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Refer to notes P18.

Luffing Jib Working Ranges

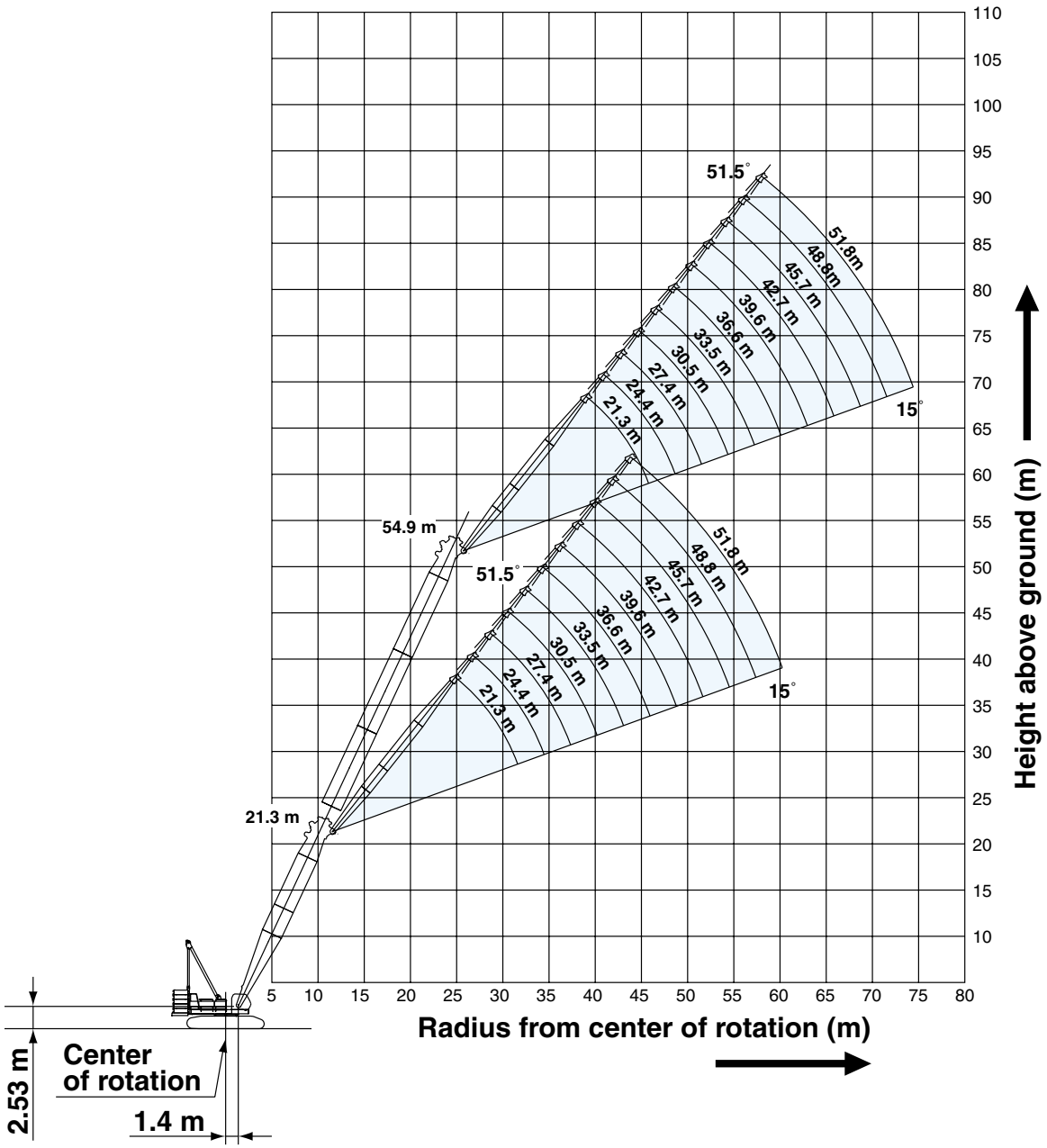
Boom Angle: 88˚



NOTES:

1. Ratings according to EN13000.
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. Deduct weight of hook block(s), slings and all other load handling accessories from luffing jib ratings or main boom ratings with luffing jib shown.
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, up to 1% gradient.
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. Luffing boom hoist reeving is 16 part line.
10. Jib hoist reeving is 8 part line.

Boom Angle: 60˚



11. Gantry must be in raised position for all conditions.
12. Boom and jib backstops are required for all boom and jib combinations.
13. Ratings shown in [ ] are determined by the strength of the boom or other structural component.
14. The boom should be erected over the front of crawlers, not laterally.
15. When erecting and lowering the all boom and jib combinations, the pillow plate for erection must be placed at the end of crawlers.
16. Instruction in the “Operator's Manual” must be strictly observed when operating the machine.
17. The minimum rated load is 2.0 tons.
18. Luffing jib ratings: Deduct weight of hook block(s), slings, and all other load handling accessories from luffing jib ratings shown.
19. Main boom ratings with luffing jib: Deduct weight of hook block(s), slings, and all other load handling accessories from main boom ratings with luffing jib shown.

Luffing Jib Lifting Capacities (Without Main Hook)

Unit: metric ton

Counterweight: 60.0 t, Carbody weight: 20.0 t

21.3 m Boom Length

Boom length (m)	21.3																Boom length (m)
Jib length (m)	21.3				27.4				33.5				39.6				Jib length (m)
Boom angle	88°	83°	65°	60°	88°	83°	65°	60°	88°	83°	65°	60°	88°	83°	65°	60°	Boom angle
9.14	48.6																9.14
10.0	48.3																10.0
12.0	47.7				47.4												12.0
14.0	43.3	47.4			43.2				42.9				34.6				14.0
16.0	35.8	40.9			35.7	40.7			35.4				33.5				16.0
18.0	30.4	35.1			30.2	34.9			30.0	34.7			29.7				18.0
20.0	26.2	30.2			26.2	30.1			25.9	30.3			25.6	30.0			20.0
22.0	23.0	26.1			22.9	26.0			22.7	26.1			22.4	25.9			22.0
24.0		22.9			20.4	22.8			20.1	22.9			19.9	22.7			24.0
26.0			20.3		18.2	20.3			18.0	20.3			17.7	20.1			26.0
28.0			18.6		16.5	18.2			16.2	18.2			16.0	17.9			28.0
30.0			17.1	16.7		16.4	16.7		14.7	16.4			14.5	16.2			30.0
34.0				32.0m/15.4			14.3	13.8	32.0m/13.4	13.6	13.9		12.1	13.4			34.0
38.0							36.0m/13.3	12.1		36.0m/12.5	12.2	11.7	10.3	11.2	11.8		38.0
42.0											10.7	10.5		9.6	10.5	10.0	42.0
46.0												44.0m/9.8			9.3	9.0	46.0
50.0															48.0m/8.8	8.1	50.0
Reeves	4				4				4				3				Reeves

Working radius (m)

Boom length (m)	21.3								Boom length (m)
Jib length (m)	45.7				51.8				Jib length (m)
Boom angle	88°	83°	65°	60°	88°	83°	65°	60°	Boom angle
18.0	22.9								18.0
20.0	21.2				16.3				20.0
22.0	19.8	21.5			15.1				22.0
24.0	18.4	19.7			14.1				24.0
26.0	17.3	18.4			13.0	14.0			26.0
28.0	15.9	17.3			12.3	13.1			28.0
30.0	14.4	16.2			11.5	12.3			30.0
34.0	12.0	13.3			10.2	10.8			34.0
38.0	10.1	11.2			9.1	9.6			38.0
42.0	8.6	9.5	10.0		8.2	8.6			42.0
46.0	44.0m/8.0	8.2	9.1	8.5	7.3	7.7	8.7		46.0
50.0		48.0m/7.6	8.1	7.8	6.3	6.8	7.8	52.0m/7.1	50.0
54.0			7.2	7.0		52.0m/6.3	6.9	6.6	54.0
58.0				56.0m/6.6			58.0m/6.2	6.0	58.0
62.0								5.4	62.0
Reeves	2				2				Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Refer to notes P21 and P22.

Unit: metric ton

Counterweight: 60.0 t, Carbody weight: 20.0 t

27.4 m Boom Length

Boom length (m)		27.4																Boom length (m)
Jib length (m)		21.3				27.4				33.5				39.6				Jib length (m)
Boom angle		88°	83°	65°	60°	88°	83°	65°	60°	88°	83°	65°	60°	88°	83°	65°	60°	Boom angle
Working radius (m)	10.0	47.4																10.0
	12.0	47.4				47.4												12.0
	14.0	44.6	47.4			44.5				44.2				34.6				14.0
	16.0	36.7	40.6			36.6				36.4				33.7				16.0
	18.0	31.0	34.8			30.9	34.6			30.7				30.5				18.0
	20.0	26.7	30.4			26.7	30.2			26.5	30.0			26.2	29.7			20.0
	22.0	23.4	26.9			23.4	26.7			23.1	26.6			22.9	26.4			22.0
	24.0		24.1			20.7	23.9			20.5	23.8			20.2	23.6			24.0
	26.0		21.2			18.5	21.3			18.3	21.4			18.0	21.1			26.0
	28.0					16.7	19.0			16.5	19.1			16.2	18.8			28.0
	30.0			16.4			17.1			14.9	17.1			14.7	16.9			30.0
	34.0			32.0m/15.1	13.5			13.7		32.0m/13.6	14.1	36.0m/12.2		12.2	13.9			34.0
	38.0				36.0m/12.6			11.9	11.5		36.0m/12.9	11.7	40.0m/10.2	10.3	11.7	40.0m/10.4		38.0
	42.0								40.0m/10.8			10.2	9.8		9.9	10.0		42.0
	46.0											44.0m/9.6	8.7			8.8	8.5	46.0
	50.0															7.9	7.5	50.0
	54.0																52.0m /7.1	54.0
	Reeves	4				4				4				3				Reeves

Working radius (m)

Boom length (m)		27.4								Boom length (m)
Jib length (m)		45.7				51.8				Jib length (m)
Boom angle		88°	83°	65°	60°	88°	83°	65°	60°	Boom angle
Working radius (m)	18.0	23.0								18.0
	20.0	21.4				16.5				20.0
	22.0	19.9				15.2				22.0
	24.0	18.5	20.2			14.1				24.0
	26.0	17.4	18.9			13.2	14.3			26.0
	28.0	16.2	17.7			12.3	13.4			28.0
	30.0	14.6	16.6			11.5	12.5			30.0
	34.0	12.1	13.9			10.2	11.0			34.0
	38.0	10.2	11.6			9.1	9.8			38.0
	42.0	8.7	9.9	44.0m/8.8		8.2	8.8			42.0
	46.0	44.0m/8.1	8.4	8.6		7.4	7.8	48.0m/7.6		46.0
	50.0		48.0m/7.8	7.6	7.2	4.5	6.9	7.3		50.0
	54.0			6.8	6.5		4.4	6.5	6.2	54.0
	58.0			56.0m/6.4	5.8			5.8	5.5	58.0
	62.0							5.2	4.9	62.0
	66.0								64.0m/4.6	66.0
	Reeves	2				2				Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in ☐ are determined by the strength of the boom or other structural components.
Refer to notes P21 and P22.

Unit: metric ton

Counterweight: 60.0 t, Carbody weight: 20.0 t

33.5 m Boom Length

Boom length (m)	33.5																Boom length (m)
Jib length (m)	21.3				27.4				33.5				39.6				Jib length (m)
Boom angle / Working radius (m)	88°	83°	65°	60°	88°	83°	65°	60°	88°	83°	65°	60°	88°	83°	65°	60°	Boom angle / Working radius (m)
10.0	47.4																10.0
12.0	47.4				47.4												12.0
14.0	45.7	47.4			45.6				42.6								14.0
16.0	37.5	40.2			37.5				37.2				33.0				16.0
18.0	31.6	34.4			31.6	34.2			31.4				31.3				18.0
20.0	27.2	30.1			27.2	30.0			26.9	29.6			27.2				20.0
22.0	23.7	26.6			23.7	26.5			23.5	26.3			23.7	25.9			22.0
24.0		23.9			21.0	23.8			20.8	23.5			20.9	23.4			24.0
26.0		21.5			18.7	21.5			18.5	21.2			18.6	21.1			26.0
28.0					16.8	19.5			16.7	19.3			16.7	19.2			28.0
30.0			32.0m/14.4			17.9			15.1	17.7			15.1	17.6			30.0
34.0			13.3	36.0m/11.9			36.0m/12.2		32.0m/13.7	14.6			12.6	14.4			34.0
38.0				11.1			11.3	40.0m/9.8		36.0m/13.3	10.7		10.6	12.1			38.0
42.0							40.0m/10.6	9.5			9.7	44.0m/8.3		10.2	44.0m/8.8		42.0
46.0								44.0m/8.9			8.5	8.1			8.3	48.0m/7.0	46.0
50.0												7.2			7.4	6.9	50.0
54.0															52.0m/7.0	6.2	54.0
58.0																56.0m/5.9	58.0
Reeves	4				4				4				3				Reeves

Boom length (m)	33.5								Boom length (m)
Jib length (m)	45.7				51.8				Jib length (m)
Boom angle / Working radius (m)	88°	83°	65°	60°	88°	83°	65°	60°	Boom angle / Working radius (m)
18.0	23.2								18.0
20.0	21.5				16.6				20.0
22.0	20.0				15.3				22.0
24.0	18.6	20.9			14.2				24.0
26.0	17.4	19.3			13.2	14.7			26.0
28.0	16.4	18.0			12.3	13.7			28.0
30.0	14.8	16.9			11.6	12.8			30.0
34.0	12.3	14.5			10.3	11.2			34.0
38.0	10.3	12.1			9.1	10.0			38.0
42.0	8.8	10.2			8.2	8.9			42.0
46.0	44.0m/8.1	8.7	7.6		6.3	7.9			46.0
50.0		48.0m/8.1	7.1	52.0m/5.8	4.1	6.7	52.0m/6.4		50.0
54.0			6.3	5.8		4.1	6.0		54.0
58.0			5.7	5.2			5.3	4.9	58.0
62.0				4.6			4.7	4.3	62.0
66.0							64.0m/4.5	3.8	66.0
70.0								68.0m/3.6	70.0
Reeves	2				2				Reeves

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Refer to notes P21 and P22.

Unit: metric ton

Counterweight: 60.0 t, Carbody weight: 20.0 t

39.6 m Boom Length

Boom length (m)		39.6																Boom length (m)
Jib length (m)		21.3				27.4				33.5				39.6				Jib length (m)
Boom angle		88°	83°	65°	60°	88°	83°	65°	60°	88°	83°	65°	60°	88°	83°	65°	60°	Boom angle
Working radius (m)	10.0	47.4																10.0
	12.0	47.4				47.4												12.0
	14.0	43.4				43.0				37.7								14.0
	16.0	38.1	39.7			37.7				37.0				29.8				16.0
	18.0	32.2	34.2			32.1				31.9				29.3				18.0
	20.0	27.6	29.8			27.6	29.6			27.4	29.2			27.6				20.0
	22.0	24.0	26.4			24.1	26.2			23.9	25.9			24.0	25.5			22.0
	24.0		23.7			21.2	23.5			21.0	23.2			21.2	23.1			24.0
	26.0		21.4			18.9	21.2			18.7	20.9			18.8	20.9			26.0
	28.0					17.0	19.3			16.8	19.0			16.9	19.0			28.0
	30.0						17.7			15.2	17.4			15.3	17.4			30.0
	34.0			12.4			32.0m/16.3			32.0m/13.8	14.8			12.7	14.7			34.0
	38.0			11.0	10.1			10.4			12.6			10.7	12.4			38.0
	42.0				9.1			9.4	44.0m/8.2			8.7			10.5			42.0
	46.0							44.0m/8.8	7.7			8.0	7.1		44.0m/9.7	7.7		46.0
	50.0											7.1	6.6			6.9	52.0m/5.9	50.0
	54.0												52.0m/6.2			6.1	5.6	54.0
	58.0															56.0m/5.8	4.9	58.0
	Reeves	4				4				3				3				Reeves

Boom length (m)		39.6								Boom length (m)
Jib length (m)		45.7				51.8				Jib length (m)
Boom angle		88°	83°	65°	60°	88°	83°	65°	60°	Boom angle
Working radius (m)	18.0	23.3								18.0
	20.0	21.6				16.7				20.0
	22.0	20.1				15.4				22.0
	24.0	18.7				14.3				24.0
	26.0	17.6	19.8			13.2	15.1			26.0
	28.0	16.5	18.5			12.3	14.0			28.0
	30.0	15.0	17.1			11.6	13.1			30.0
	34.0	12.4	14.5			10.3	11.5			34.0
	38.0	10.4	12.5			9.2	10.2			38.0
	42.0	8.8	10.5			8.2	9.1			42.0
	46.0	44.0m/8.2	8.9			6.0	8.1			46.0
	50.0		48.0m/8.3	6.5		3.7	6.6	52.0m/5.6		50.0
	54.0			5.8	56.0m/4.7		3.9	5.4		54.0
	58.0			5.1	4.6			4.8	60.0m/3.8	58.0
	62.0			4.6	4.0			4.2	3.7	62.0
	66.0				64.0m/3.8			3.7	3.2	66.0
	70.0							68.0m/3.5	2.8	70.0
	Reeves	2				2				Reeves

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Refer to notes P21 and P22.

Unit: metric ton

Counterweight: 60.0 t, Carbody weight: 20.0 t

45.7 m Boom Length

Boom length (m)	45.7																Boom length (m)
Jib length (m)	21.3				27.4				33.5				39.6				Jib length (m)
Boom angle	88°	83°	65°	60°	88°	83°	65°	60°	88°	83°	65°	60°	88°	83°	65°	60°	Boom angle
Working radius (m) 10.0	47.4																10.0
12.0	43.8				41.2												12.0
14.0	38.3				37.5				33.0								14.0
16.0	33.9				33.2				32.2				26.6				16.0
18.0	30.4	33.7			29.6				28.9				26.1				18.0
20.0	27.5	29.5			26.7	29.2			26.1	28.7			25.5				20.0
22.0	24.3	26.1			24.3	25.8			23.7	25.6			23.1				22.0
24.0		23.4			21.4	23.1			21.3	22.9			21.1	22.8			24.0
26.0		21.1			19.1	20.9			19.0	20.6			19.1	20.5			26.0
28.0					17.1	19.0			17.1	18.7			17.1	18.7			28.0
30.0						17.4			15.4	17.2			15.4	17.1			30.0
34.0						32.0m/16.0			12.8	14.6			12.8	14.5			34.0
38.0			10.3				40.0m/8.9			12.6			10.7	12.5			38.0
42.0			40.0m/9.6	8.0			8.7							11.0			42.0
46.0				44.0m/7.8			7.7	6.6			7.4			44.0m/10.2	48.0m/6.2		46.0
50.0								6.2			6.5	5.4			6.2		50.0
54.0											52.0m/6.2	5.1			5.5	4.3	54.0
58.0												56.0m/4.8			4.9	4.2	58.0
62.0																3.7	62.0
Reeves	4				4				3				2				Reeves

Boom length (m)	45.7								Boom length (m)
Jib length (m)	45.7				51.8				Jib length (m)
Boom angle	88°	83°	65°	60°	88°	83°	65°	60°	Boom angle
Working radius (m) 18.0	21.4								18.0
20.0	21.0				16.8				20.0
22.0	20.2				15.5				22.0
24.0	18.8				14.3				24.0
26.0	17.6	20.3			13.3				26.0
28.0	16.6	18.4			12.5	14.4			28.0
30.0	15.1	16.8			11.7	13.4			30.0
34.0	12.5	14.3			10.3	11.7			34.0
38.0	10.5	12.3			9.2	10.4			38.0
42.0	8.9	10.7			8.2	9.2			42.0
46.0	44.0m/8.2	9.2			5.6	8.2			46.0
50.0		7.9	52.0m/5.0		3.3	6.5			50.0
54.0			5.0			3.7	56.0m/4.3		54.0
58.0			4.5	3.3		56.0m/2.6	4.2		58.0
62.0			4.0	3.3			3.6	64.0m/2.8	62.0
66.0			64.0m/3.8	2.9			3.2	2.6	66.0
70.0				68.0m/2.7			2.8	2.2	70.0
74.0								72.0m/2.0	74.0
Reeves	2				2				Reeves

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Refer to notes P21 and P22.

Unit: metric ton

Counterweight: 60.0 t, Carbody weight: 20.0 t

51.8 m Boom Length

Boom length (m)		51.8																Boom length (m)
Jib length (m)		21.3				27.4				33.5				39.6				Jib length (m)
Boom angle		88°	83°	65°	60°	88°	83°	65°	60°	88°	83°	65°	60°	88°	83°	65°	60°	Boom angle
Working radius (m)	12.0	37.2				35.4												12.0
	14.0	32.7				31.6				28.8								14.0
	16.0	29.2				28.1				27.2				23.6				16.0
	18.0	26.3	31.9			25.3				24.4				23.1				18.0
	20.0	23.9	28.6			22.9	27.5			22.0				21.2				20.0
	22.0	21.8	25.7			20.9	24.9			20.1	23.5			19.3				22.0
	24.0	20.2	23.0			19.2	22.6			18.4	21.5			17.7	20.6			24.0
	26.0		20.8			17.8	20.6			16.9	19.7			16.3	19.0			26.0
	28.0		18.9			16.5	18.7			15.7	18.1			15.1	17.4			28.0
	30.0						17.1			14.6	16.7			14.0	16.0			30.0
	34.0						32.0m/15.8			12.7	14.4			12.2	13.8			34.0
	38.0			9.2							12.5			10.7	12.0			38.0
	42.0			8.3				44.0m/7.5						40.0m/10.0	10.6			42.0
	46.0			44.0m/7.8	6.5			7.1				6.1			44.0m/10.0			46.0
	50.0				48.0m/6.1			6.2	5.3			5.8	52.0m/4.1			52.0m/5.0		50.0
	54.0								52.0m/5.0			5.1	4.1			4.8		54.0
	58.0												3.8			4.3	3.2	58.0
	62.0															60.0m/4.0	3.0	62.0
	66.0																64.0m/2.8	66.0
	Reeves	3				3				3				2				Reeves

Boom length (m)		51.8								Boom length (m)
Jib length (m)		45.7				51.8				Jib length (m)
Boom angle		88°	83°	65°	60°	88°	83°	65°	60°	Boom angle
Working radius (m)	18.0	19.2								18.0
	20.0	18.9				15.7				20.0
	22.0	18.5				15.5				22.0
	24.0	17.0				14.4				24.0
	26.0	15.6	18.0			13.4				26.0
	28.0	14.3	16.6			12.5	14.8			28.0
	30.0	13.3	15.3			11.7	13.7			30.0
	34.0	11.5	13.1			10.4	12.0			34.0
	38.0	10.0	11.3			9.2	10.6			38.0
	42.0	8.8	9.9			8.2	9.2			42.0
	46.0	44.0m/8.3	8.8			5.3	8.1			46.0
	50.0		7.8			3.0	6.4			50.0
	54.0			3.9			3.6			54.0
	58.0			3.9			56.0m/2.4	3.3		58.0
	62.0			3.4				3.0		62.0
	66.0			3.0				2.6		66.0
	70.0							2.2		70.0
	74.0							72.0m/2.0		74.0
	Reeves	2				2				Reeves

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Refer to notes P21 and P22.

Unit: metric ton

Counterweight: 60.0 t, Carbody weight: 20.0 t

54.9 m Boom Length

Boom length (m)	54.9																Boom length (m)
Jib length (m)	21.3				27.4				33.5				39.6				Jib length (m)
Boom angle / Working radius (m)	88°	83°	65°	60°	88°	83°	65°	60°	88°	83°	65°	60°	88°	83°	65°	60°	Boom angle / Working radius (m)
12.0	33.7				32.6												12.0
14.0	29.8				28.8				26.9								14.0
16.0	26.7				25.6				24.7				22.2				16.0
18.0	24.1	29.6			23.1				22.1				21.2				18.0
20.0	21.9	26.5			21.0	24.9			20.0				19.2				20.0
22.0	20.2	24.0			19.2	22.7			18.2	21.5			17.5				22.0
24.0	18.7	21.9			17.6	20.6			16.7	19.7			16.0				24.0
26.0		20.1			16.3	18.9			15.4	18.0			14.7	17.3			26.0
28.0		18.6			15.2	17.5			14.3	16.6			13.6	15.8			28.0
30.0					14.2	16.2			13.3	15.3			12.6	14.6			30.0
34.0						32.0m/15.1			11.6	13.2			11.0	12.5			34.0
38.0			40.0m/8.1							11.6			9.7	10.9			38.0
42.0			8.0										40.0m/9.1	9.6			42.0
46.0			44.0m/7.5				6.6				48.0m/5.3			44.0m/9.1			46.0
50.0							5.9				5.3				52.0m/4.2		50.0
54.0											4.8				4.2		54.0
58.0											56.0m/4.5				3.9		58.0
62.0															3.4		62.0
Reeves	3				3				3				2				Reeves

Boom length (m)	54.9								Boom length (m)
Jib length (m)	45.7				51.8				Jib length (m)
Boom angle / Working radius (m)	88°	83°	65°	60°	88°	83°	65°	60°	Boom angle / Working radius (m)
18.0	18.2								18.0
20.0	17.9				14.9				20.0
22.0	16.7				14.6				22.0
24.0	15.2				14.3				24.0
26.0	14.0	16.2			13.2				26.0
28.0	12.9	15.0			12.1	14.0			28.0
30.0	11.9	13.8			11.2	13.0			30.0
34.0	10.3	11.8			9.6	11.0			34.0
38.0	9.0	10.2			8.3	9.4			38.0
42.0	7.9	8.9			7.2	8.2			42.0
46.0	44.0m/7.4	7.8			5.2	7.1			46.0
50.0		7.0			2.8	6.3			50.0
54.0			56.0m/3.2			3.5			54.0
58.0			3.2			56.0m/2.3	60.0m/2.9		58.0
62.0			3.1				2.7		62.0
66.0			2.7				2.3		66.0
70.0			68.0m/2.5						70.0
Reeves	2				2				Reeves

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Refer to notes P21 and P22.

Luffing Boom Lifting Capacies with Luffing Jib

Attached at 23 Degree Boom to Luffing Jib Offset Angle

Unit: metric ton

Counterweight: 60.0 t,
Carbody weight: 20.0 t

21.3 m Boom Length

Boom length (m)	21.3					
Jib length (m)	21.3	27.4	33.5	39.6	45.7	51.8
7.0	70.6	67.8	65.0	61.5	57.9	53.6
8.0	70.6	67.8	65.0	61.5	57.9	53.6
9.0	70.6	67.8	65.0	61.5	57.9	53.6
10.0	66.0	63.7	61.4	58.5	55.7	52.3
12.0	48.7	46.6	44.5	41.8	39.2	36.1
14.0	37.8	35.8	33.8	31.3	28.9	25.9
16.0	30.3	28.4	26.5	24.1	21.8	19.0
18.0	24.7	22.8	21.0	18.7	16.6	13.9
20.0	20.3	18.5	16.8	14.7	12.6	10.0
21.0	18.5	16.7	15.1	12.9	10.9	8.4
Reeves	6	6	5	5	5	5

27.4 m Boom Length

Boom length (m)	27.4					
Jib length (m)	21.3	27.4	33.5	39.6	45.7	51.8
8.0	71.1	68.6	66.1	62.9	59.8	56.0
9.0	71.1	68.6	66.1	62.9	59.8	56.0
10.0	66.2	64.1	62.0	59.3	56.7	53.5
12.0	48.9	47.0	45.0	42.6	40.2	37.3
14.0	38.0	36.2	34.4	32.1	29.8	27.1
16.0	30.5	28.7	27.0	24.8	22.7	20.2
18.0	24.9	23.2	21.5	19.4	17.4	15.0
20.0	20.5	18.9	17.3	15.3	13.4	11.0
22.0	17.2	15.6	14.0	12.1	10.3	8.0
24.0	14.4	12.9	11.4	9.5	7.7	5.5
25.0	13.2	11.7	10.2	8.4	6.7	4.5
Reeves	6	6	5	5	5	5

33.5 m Boom Length

Boom length (m)	33.5					
Jib length (m)	21.3	27.4	33.5	39.6	45.7	51.8
9.0	71.5	69.3	67.2	64.4	61.7	58.4
10.0	64.9	62.9	60.9	58.4	55.9	52.9
12.0	49.0	47.1	45.3	43.0	40.8	38.0
14.0	38.0	36.2	34.5	32.4	30.3	27.8
16.0	30.4	28.7	27.1	25.0	23.1	20.7
18.0	24.7	23.1	21.6	19.6	17.8	15.5
20.0	20.5	18.9	17.4	15.5	13.8	11.6
22.0	17.0	15.5	14.1	12.2	10.5	8.4
24.0	14.2	12.8	11.4	9.6	7.9	5.9
26.0	12.0	10.5	9.2	7.5	5.8	
28.0	10.1	8.7	7.4	5.7	4.1	
30.0	8.5	7.2	5.9	4.2		
32.0	7.2	5.8	4.6			
Reeves	6	6	6	5	5	5

39.6 m Boom Length

Boom length (m)	39.6					
Jib length (m)	21.3	27.4	33.5	39.6	45.7	51.8
10.0	61.4	59.5	57.5	55.1	52.8	49.9
12.0	48.7	46.9	45.1	42.9	40.8	38.2
14.0	37.9	36.2	34.6	32.5	30.5	28.1
16.0	30.2	28.6	27.1	25.2	23.3	21.0
18.0	24.6	23.1	21.6	19.7	18.0	15.8
20.0	20.2	18.8	17.3	15.6	13.9	11.8
22.0	16.8	15.3	14.0	12.2	10.6	8.6
24.0	14.0	12.6	11.3	9.6	8.0	6.1
26.0	11.8	10.4	9.1	7.4	5.9	4.0
28.0	9.9	8.5	7.3	5.7	4.2	
30.0	8.3	7.0	5.7	4.2		
32.0	6.9	5.6	4.4			
35.0	5.2	3.9				
36.0	4.7					
37.0	4.2					
Reeves	5	5	5	5	4	4

45.7 m Boom Length

Boom length (m)	45.7					
Jib length (m)	21.3	27.4	33.5	39.6	45.7	51.8
11.0	51.9	50.1	48.3	46.1	43.9	41.3
12.0	46.6	44.8	43.2	41.0	39.0	36.4
14.0	37.7	36.1	34.5	32.5	30.6	28.3
16.0	30.1	28.5	27.0	25.2	23.4	21.2
18.0	24.4	22.9	21.5	19.7	18.0	16.0
20.0	20.1	18.6	17.3	15.6	13.9	11.9
22.0	16.6	15.2	13.9	12.2	10.7	8.8
24.0	13.8	12.5	11.2	9.6	8.1	6.2
26.0	11.6	10.2	9.0	7.4	6.0	4.1
28.0	9.7	8.4	7.2	5.6	4.2	
30.0	8.0	6.7	5.5	4.0		
32.0	6.6	5.4	4.2			
34.0	5.4	4.2				
36.0	4.4					
37.0	3.9					
Reeves	4	4	4	4	4	4

51.8 m Boom Length

Boom length (m)	51.8					
Jib length (m)	21.3	27.4	33.5	39.6	45.7	51.8
12.0	44.5	42.8	41.1	39.0	37.0	34.6
14.0	36.4	34.8	33.3	31.3	29.5	27.2
16.0	29.7	28.2	26.8	25.0	23.3	21.1
18.0	24.1	22.7	21.3	19.6	17.9	15.9
20.0	19.7	18.3	17.0	15.4	13.8	11.9
22.0	16.3	14.9	13.7	12.1	10.6	8.7
24.0	13.5	12.2	11.0	9.4	8.0	6.2
26.0	11.2	10.0	8.8	7.2	5.8	4.1
28.0	9.4	8.1	6.9	5.4	4.1	
30.0	7.7	6.4	5.3	3.8		
32.0	6.3	5.1	4.0			
34.0	5.1	3.9				
36.0	4.0					
Reeves	4	4	4	3	3	3

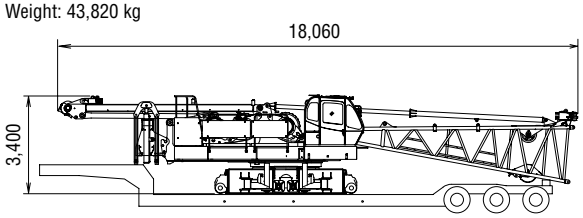
54.9 m Boom Length

Boom length (m)	54.9					
Jib length (m)	21.3	27.4	33.5	39.6	45.7	51.8
13.0	39.3	37.7	36.2	34.2	32.3	30.0
14.0	35.6	34.0	32.5	30.6	28.8	26.6
16.0	29.4	27.9	26.5	24.7	23.0	20.9
18.0	23.9	22.5	21.2	19.5	17.8	15.9
20.0	19.6	18.2	16.9	15.3	13.7	11.8
22.0	16.1	14.8	13.5	12.0	10.5	8.6
24.0	13.3	12.0	10.8	9.3	7.9	6.1
26.0	11.1	9.8	8.6	7.1	5.7	4.0
28.0	9.1	7.9	6.7	5.2	3.9	
30.0	7.5	6.3	5.2	3.7		
32.0	6.1	4.9	3.8			
34.0	4.9	3.7				
35.0	4.3					
Reeves	3	3	3	3	3	3

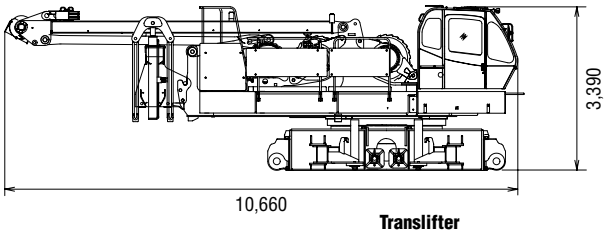
Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Refer to notes P21 and P22.

PARTS AND ATTACHMENTS

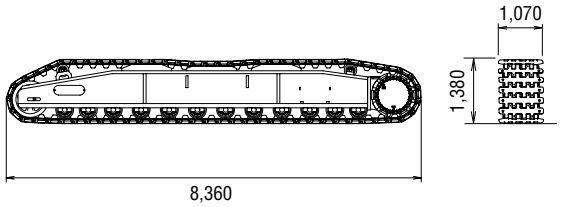
Base Machine
Including 3rd winch, Translifter, Low boom, Main wire, Boom wire
Weight: 43,820 kg



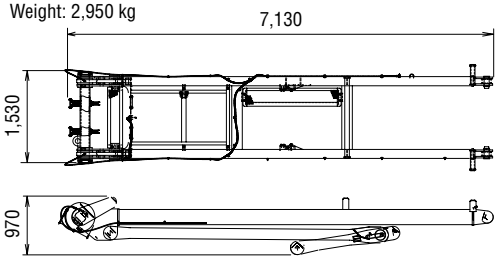
Base Machine
Including 3rd winch, Translifter, Main wire, Boom wire
Weight: 39,300 kg



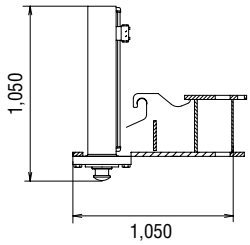
Crawler
Weight: 18,000 kg



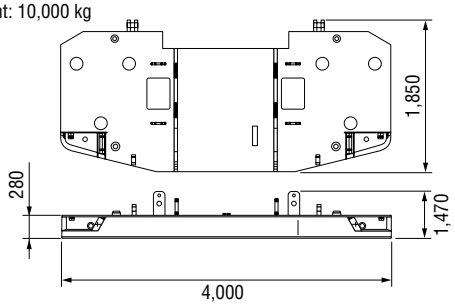
Gantry
Weight: 2,950 kg



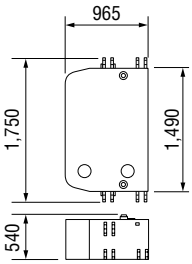
Translifter
Weight: 360 kg



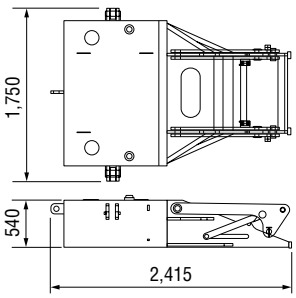
Counterweight A
Weight: 10,000 kg



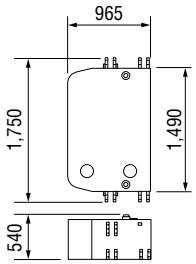
Counterweight B
Weight: 5,000 kg x 10 pieces



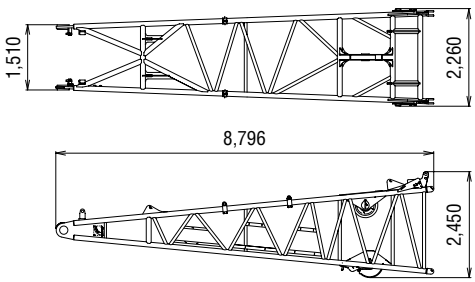
Carbody Weight A
Weight: 5,000 kg x 2 pieces



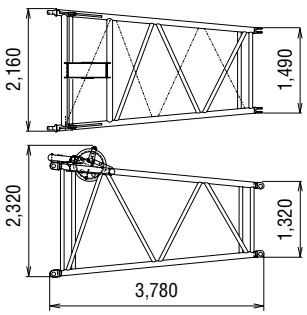
Carbody Weight B
Weight: 5,000 kg x 2 pieces



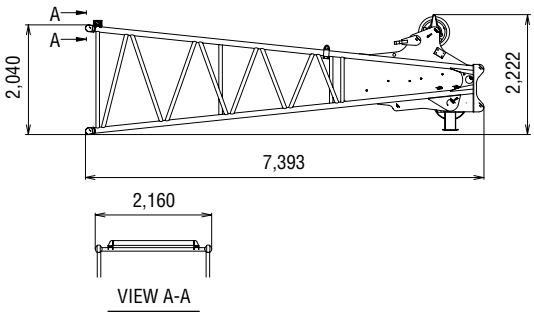
Boom Base
Weight: 2,620 kg



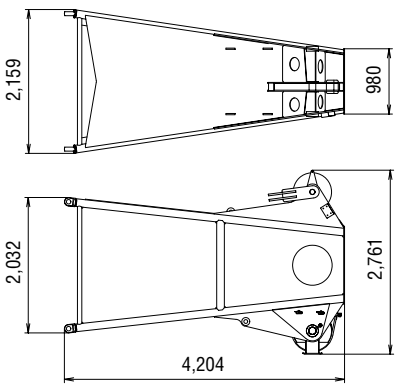
Taper Insert Boom
Weight: 710 kg



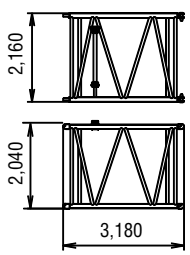
Boom Tip
Weight: 2,100 kg



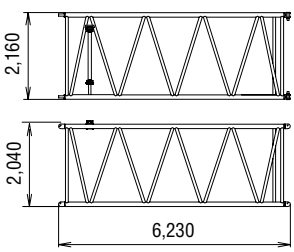
Heavy Boom Tip
Weight: 2,580 kg



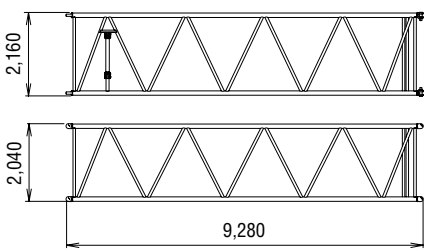
3.0 m Insert Boom
Weight: 530 kg



6.1 m Insert Boom
Weight: 880 kg

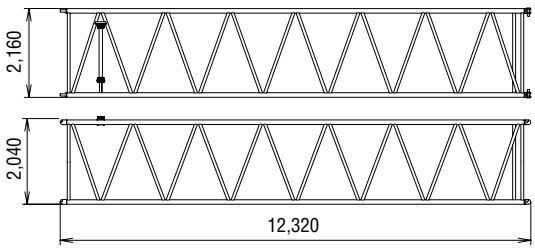


9.1 m Insert Boom
Weight: 1,220 kg

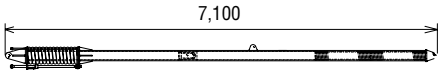


Dimensions: mm Weight: kg

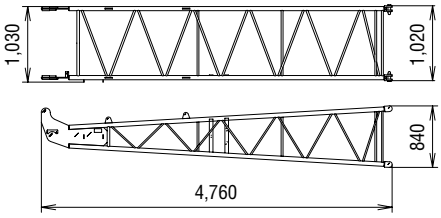
12.2 m Insert Boom
Weight: 1,450 kg



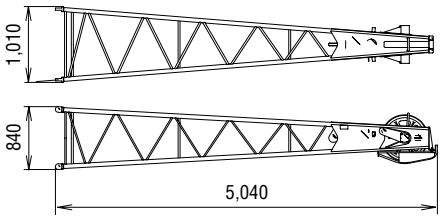
Boom Backstop
Weight: 740 kg / 1 piece



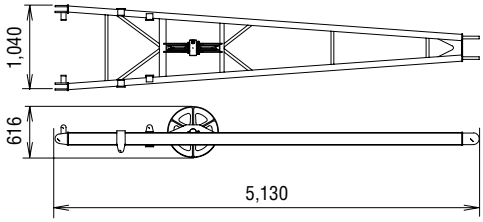
Jib Base (for Crane)
Weight: 210 kg



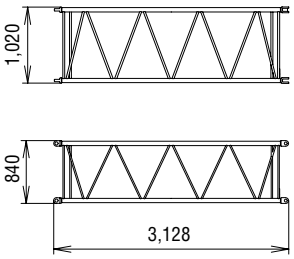
Jib Tip (for Crane)
Weight: 315 kg



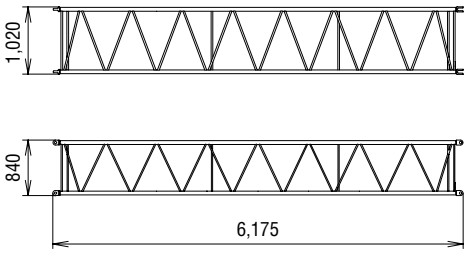
Jib Strut
Weight: 300 kg



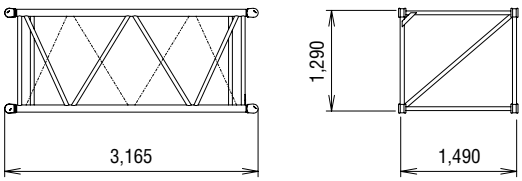
3.0 m (Insert Jib)
Weight: 110 kg



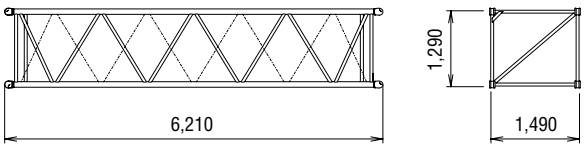
6.1 m (Insert Jib)
Weight: 190 kg



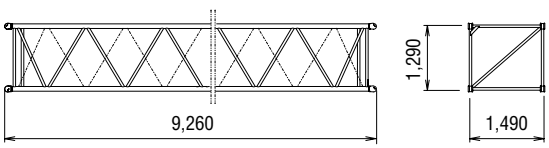
3.0 m Insert Jib
Weight: 310 kg



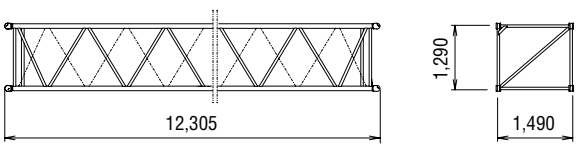
6.1 m Insert Jib
Weight: 540 kg



9.1 m Insert Jib (Long Insert Boom)
Weight: 740 kg

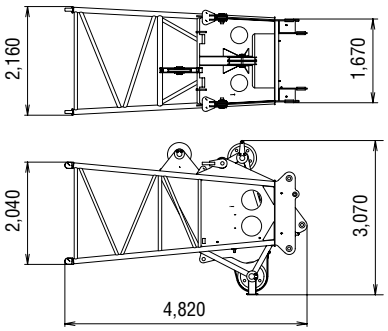


12.2 m Insert Jib
Weight: 960 kg

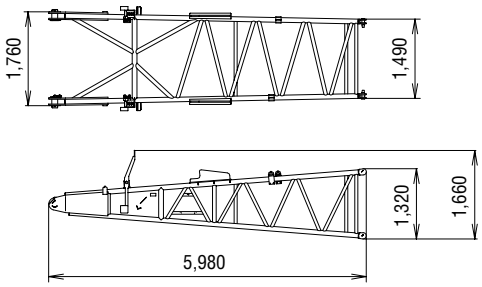


PARTS AND ATTACHMENTS

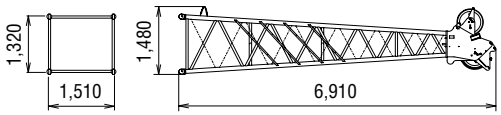
Luffing Upper Boom
Weight: 2,545 kg



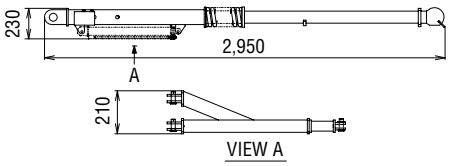
Luffing Jib Base
Weight: 1,140 kg



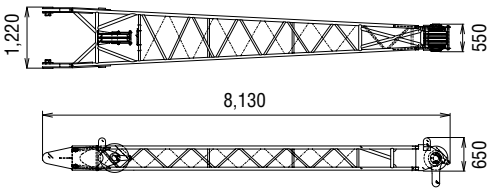
Luffing Jib Tip
Weight: 1,170 kg



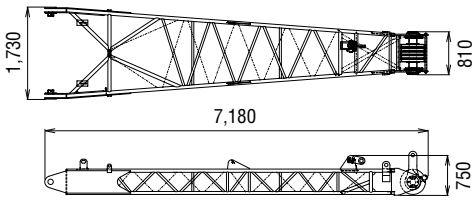
Luffing Jib Backstop
Weight: 100 kg / 1 piece



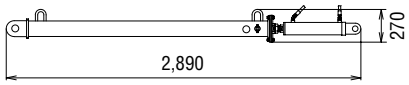
Front Strut (Luffing Jib)
Weight: 1,000 kg



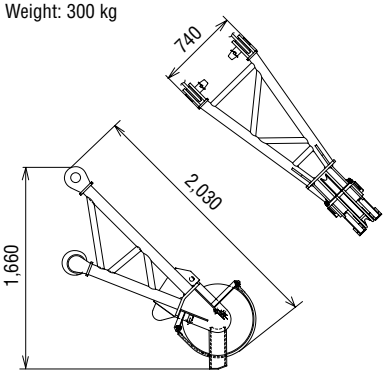
Rear Strut (Luffing Jib)
Weight: 1,090 kg



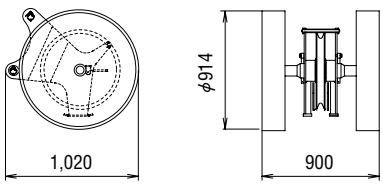
Strut Backstop (Luffing Jib)
Weight: 180 kg / 1 piece



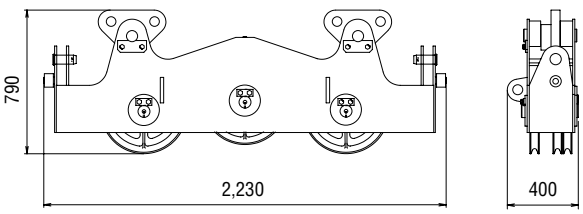
Aux. Sheave
Weight: 300 kg



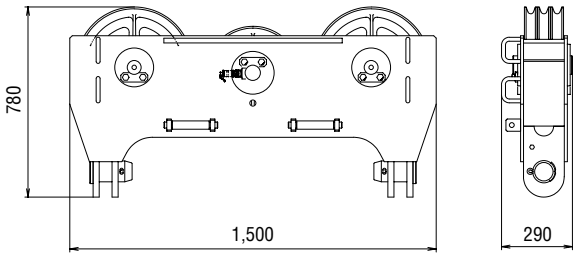
Aux. Sheave (for Luffing Jib)
Weight: 380 kg



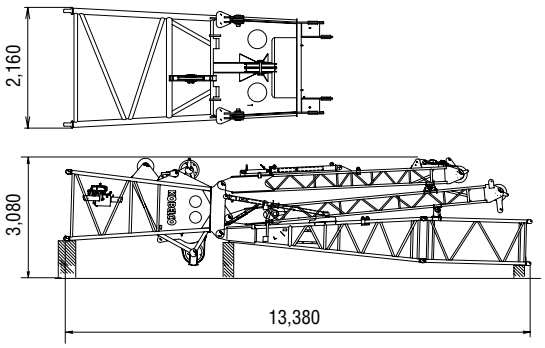
Upper Spreader
Weight: 590 kg



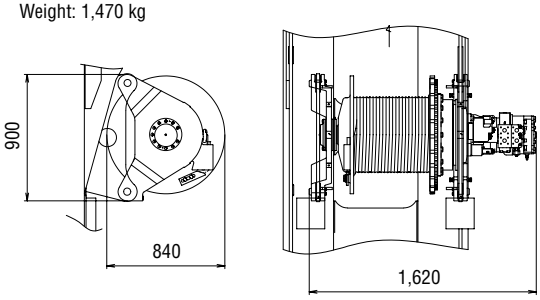
Lower Spreader
Weight: 400 kg



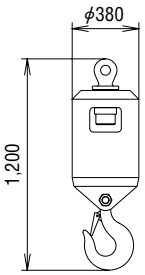
Luffing Boom Tip Assembly
Weight: 6,600 kg



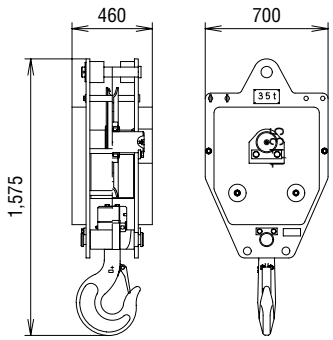
Luffing Jib Drum
Weight: 1,470 kg



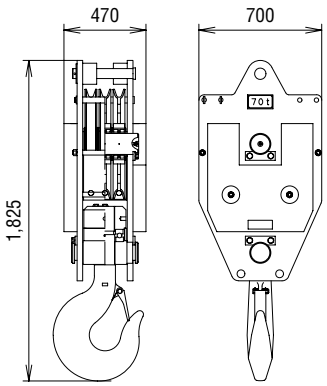
Ball Hook
Weight: 460 kg



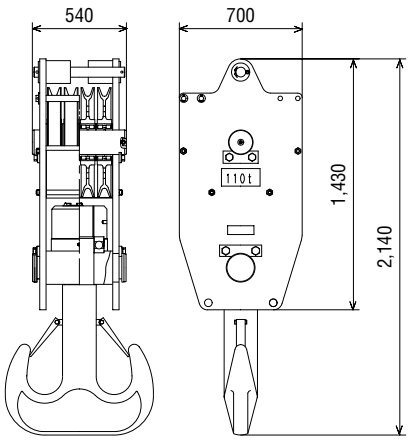
35 t Hook Block
Weight: 900 kg



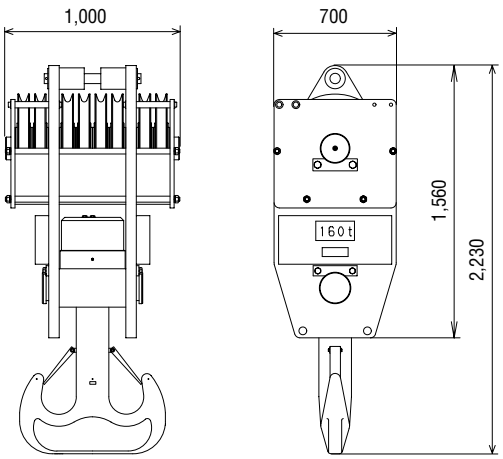
70 t Hook Block
Weight: 1,200 kg



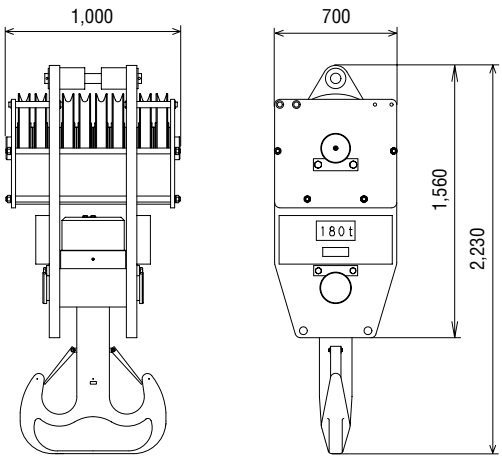
110 t Hook Block
Weight: 1,730 kg



160 t Hook Block
Weight: 2,800 kg

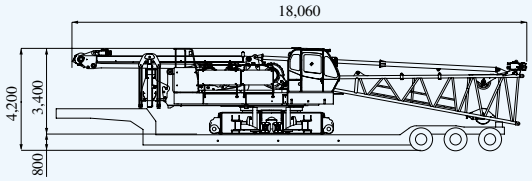
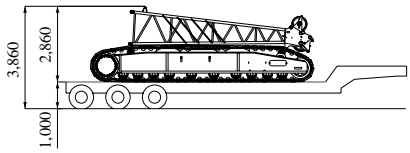
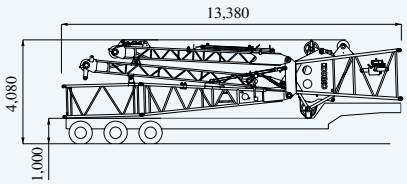
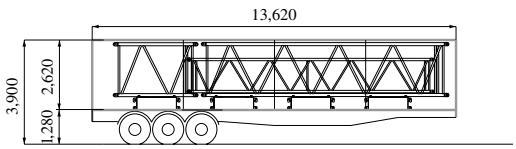
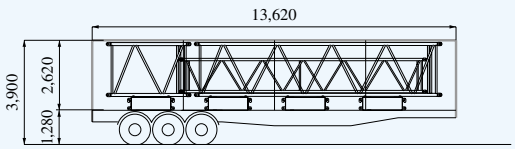
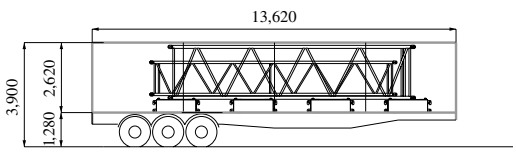
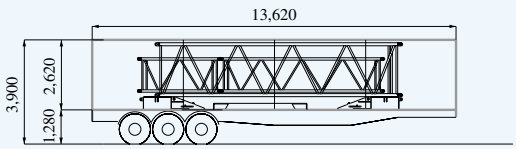


180 t Hook Block
Weight: 2,800 kg

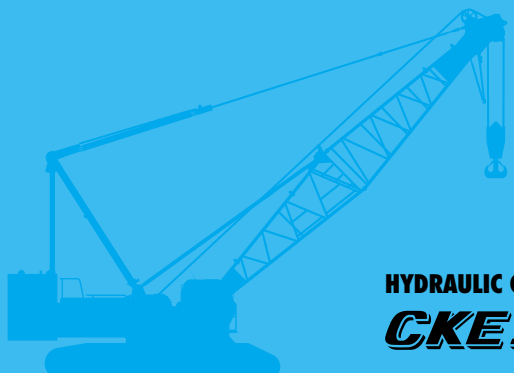


TRANSPORTATION PLAN

Luffing Boom 54.9 m + Luffing Jib 51.8 m

Configuration	Description	Total Weight
No.1 Low Loader **Width: 3,500 mm** 	Base Machine = Including 3rd winch Translifter Low Boom Main Wire Boom Wire	43.82 t
No.2 Semi Loader 	Crawler No.1 = Crawler No.2 = Luffing Jib Top = Total =	18.00 t 18.00 t 1.17 t 37.17 t
No.3 Semi Loader 	Luffing boom tip assembly	6.60 t
No. 4 Tent Side Truck 	Counterweight No.2 (4 x 5.00 ton) = 9.1 m Insert Boom x 1 = 9.1 m Luffing Insert Jib x 1 = 3.0 m Insert Boom x 1 = Total =	20.00 t 1.22 t 0.74 t 0.63 t 22.59 t
No.5 Tent Side Truck 	Counterweight No.2 (4 x 5.00 ton) = 9.1 m Insert Boom x 1 = 9.1 m Luffing Insert Jib x 1 = 3.0 m Insert Boom x 1 = Total =	20.00 t 1.42 t 0.74 t 0.53 t 22.69 t
No.6 Tent Side Truck 	Counterweight No.2 (2 x 5.00 ton) Carbody Weight No.2 (2 x 5.00 ton) = 9.1 m Insert Boom x 1 = 9.1 m Luffing Insert Jib x 1 = Total =	10.00 t 10.00 t 1.42 t 0.74 t 22.16 t
No.7 Tent Side Truck 	Counterweight No.1 Base = 9.1 m Insert Boom x 1 = 6.1 m Luffing Insert Jib x 1 = 3.0 m Luffing Insert Jib x 1 = Carbody Weight No.1 (2 x 5.07 ton) = Total =	10.00 t 1.22 t 0.54 t 0.31 t 10.14 t 22.21 t

Note: Estimated weights may vary ± 2%.
This transport plan depends on specifications of your trailers/trucks and the areas or countries where you transport.



HYDRAULIC CRAWLER CRANE

CKE1800

Standard Equipment

Upper structure/Lower structure

Counterweight: 60.0 ton (total weight)
Carbody weight: 20.0 ton (total weight)
1,070 mm shoe crawlers
Batteries (170 Ah/20 HR)
Trans-lifter (jack system)
Gantry raising/lowering cylinder
Electric hand throttle grip
Variable boom hoist speed controller
Swing neutral-free/brake select switch
Side deck for cab
Side deck (right side guard)
Steps (crawlers)
Two front working lights
Tools (for routine maintenance)
Two rear view mirrors
Electric fuel pump
Counterweight self removal
Crawler self removal
Cable roller (for boom)

Cab/Control

Boom hoist pedal
Air conditioner
Cup holder
Ashtray
Cigar lighter
Intermittent wiper & window washer (skylight and front window)
Sun visor
Roof blind
Floor mat (cloth)
Foot rest
Shoe tray
Level gauge (operator cabin)

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
Cab window guard (left side)
Cab top guard
Fire extinguisher
External lamp for over-load alarm
Life hammer

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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Bulletin No. CKE1800-1F-SPEC 170501F Printed in Japan

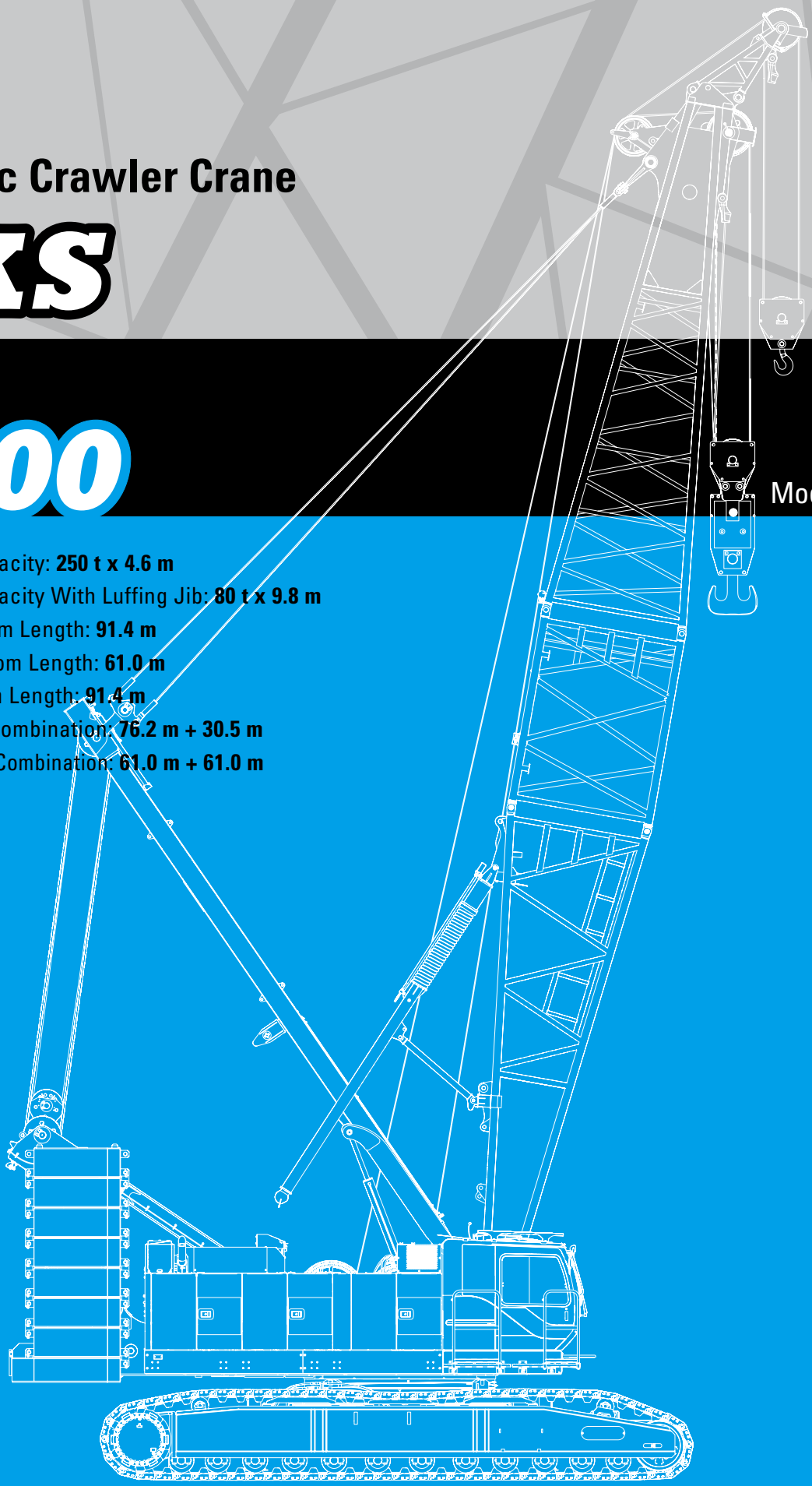
Hydraulic Crawler Crane

CKS

2500

Model : CKS2500

Max. Lifting Capacity: **250 t x 4.6 m**
Max. Lifting Capacity With Luffing Jib: **80 t x 9.8 m**
Max. Crane Boom Length: **91.4 m**
Max. Luffing Boom Length: **61.0 m**
Max. Long Boom Length: **91.4 m**
Max. Fixed Jib Combination: **76.2 m + 30.5 m**
Max. Luffing Jib Combination: **61.0 m + 61.0 m**



KOBELCO

CKS2500
CONTENTS

SPECIFICATIONS

Power Plant

Model: HINO P11C-VH
Type: 4 cycle, water-cooled, vertical in-line 6, direct injection, turbo-charger, intercooler
Displacement: 10,520 liters
Rated power: 271 kW/1,850 min^{-1}
Max. Torque: 1,470 N·m/1,400 min^{-1}
Cooling System: Water-cooled
Starter: 24 V-6 kW
Radiator: Corrugated type core, thermostatically controlled
Air cleaner: Dry type with replaceable paper element
Throttle: Twist grip type hand throttle, electrically actuated
Fuel filter: Replaceable paper element
Batteries: Two 12 V x 136 Ah/5 HR capacity batteries, series connected
Fuel tank capacity: 400 liters

Hydraulic System

Main pumps: 4 variable displacement piston pumps
Control: Full-flow hydraulic control system for infinitely variable pressure to all winches, propel and swing. 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
Max. relief valve pressure:
- **Load hoist, boom hoist and propel system:** 32 MPa
- **Swing system:** 27.5 MPa
- **Control system:** 5.4 MPa

Hydraulic Tank Capacity: 650 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: Double drum, grooved for 26 mm dia. wire rope
Line Speed: Single line on first drum layer
- **Hoisting/Lowering:** 22 to 2 m/min x 2
- **Boom hoisting/lowering:** 26 mm x 285 m
- **Boom guy line:** 38 mm
- **Boom backstops:** Required for all boom length

Load Hoisting 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)
Drum Lock: External ratchet for locking drum

Drums:
- **Front Drums:**
  618 mm P.C.D x 864 mm wide drum, grooved for 26 mm wire rope. Rope capacity is 460 m working length and 510 m storage length.
- **Rear Drum:** 618 mm P.C.D x 864 mm, grooved for 26 mm wire rope. Rope capacity is 390 m working length and 510 m storage length.

Diameter of wire rope
- **Main winch:** 26 mm x 460 m
- **Aux. winch:** 26 mm x 390 m
- **Third winch:** 22 mm x 265 m

Line Speed*:
- **Hoisting/lowering:** 110 to 3 m/min

Line Pull:
- **Max. Line Pull*:** 252 kN {25.7 tf}
  (Referential performance)
- **Rated Line Pull:** 132 kN {13.5 tf}

*Single line on first drum layer

Swing System

Swing unit is powered by hydraulic motor driving spur gears through planetary reducers (2 set), the swing system provides 360° rotation.
Swing parking 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: 2.2 min^{-1}

Upper Structure

Torsion-free precision machined upper frame. All components are located clearly and service friendly. Engine will with low noise level.
Counterweight: 90.4 ton

Cab & Control

Totally enclosed, full vision cab with safety glass, fully adjustable, high backed seat with a headrest and armrests, and intermittent wiper and window washer (skylight and front window).
Cab fittings:
Air conditioner, convenient compartment (for tool), cup holder, cigarette lighter, sun visor, roof blind, tinted glass, floor mat, footrest, and shoe tray

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.

Carbodyweight: 27.5 ton
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.
Shoe (flat): 1,220 mm wide each crawler
Max. gradeability: 30 %

Weight

Including upper and lower machine, 90.4 ton counterweight and 27.5 ton carbody weight, basic boom (or basic boom + basic jib), hook, and other accessories.
Weight: 217 ton
Ground pressure: 111 kPa

Attachment

Boom & Jib:
Welded lattice construction using tubular, high-tensile steel chords with pin connection between sections.

Boom and Jib length

	Min. Length (Min. combination)	Max. Length (Max. combination)
Crane Boom	15.2 m	91.4 m
Fixed Jib	27.4 m + 12.2 m	76.2 m + 30.5 m

Main Specifications (Model: CKS2500)

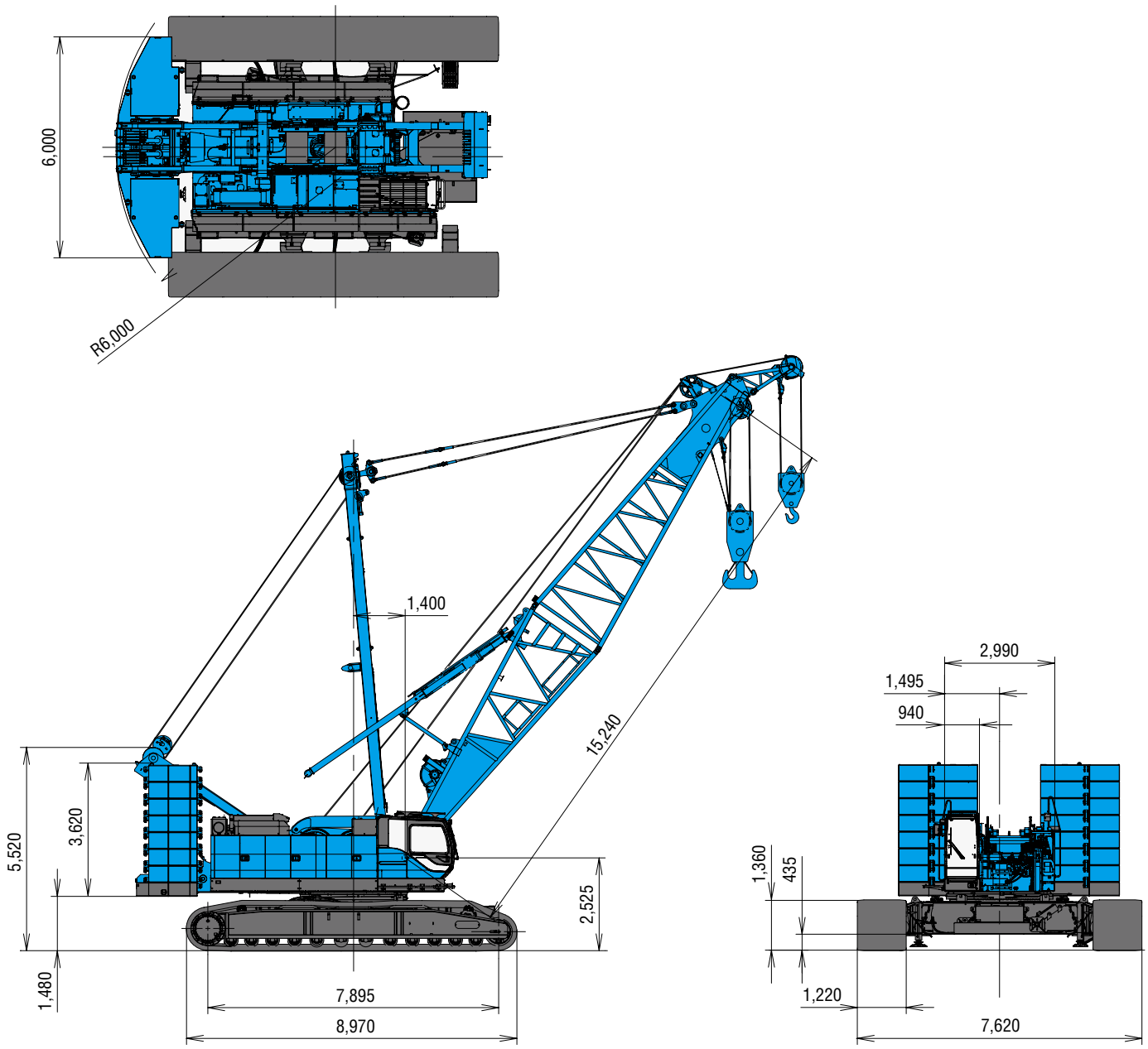
Crane Boom	
Max. Lifting Capacity	250 t x 4.6 m
Max. Length	91.4 m
Fixed Jib	
Max. Lifting Capacity	27.0 t x 10.4 m
Max. Combination	76.2 m + 30.5 m
Long Boom	
Max. Lifting Capacity	47.1 t/12.8 m
Max. Length	91.4 m
Luffing Boom	
Max. Lifting Capacity	150 t/ 7.0 m
Max. Length	61.0 m
Luffing Jib	
Max. Jib Length	61.0 m
Max . Combination	61.0 m + 61.0 m
Main & Aux. Winch	
Max. Line Speed (1st layer)	110 m/min
Rated Line Pull (Single line)	132 kN {13.5 tf}
Wire Rope Diameter	26 mm x 460 m
Wire Rope Length	460 m (Main), 390 m (Aux.)
Brake Type (free fall)	Wet-type multiple disc brake (Optional)
Working Speed	
Swing Speed	2.2 min^{-1}{rpm}
Travel Speed	1.0/0.5 km/h

Power Plant	
Model	HINO P11C-VH
Engine Output	271 kW / 1850 min^{-1}
Fuel Tank	400 liters
Hydraulic System	
Main Pumps	4 variable displacement
Max. Pressure	32 MPa {326 kgf/cm^2}
Hydraulic Tank Capacity	650 liters
Self-Removal Device	
	counterweight/crawler self-removal device
Weight	
Operating Weight	217 t *1
Ground Pressure	Approx. 111 kPa
Counterweight	90,400 kg
Transport Weight	44,960 kg *2

Units are SI units. { } indicates conventional units.
Line speeds in table are for light loads. Line speed varies with load.
*1 Including upper and lower machine, counterweight, carbody weight 15.2m boom, hook block, and other accessories.
*2 Base Machine with gantry, mast, wire ropes (front/rear/boom hoist)

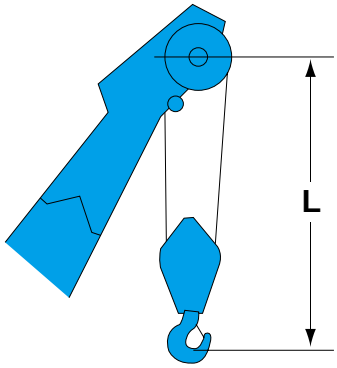
Crane Boom

(Unit: mm)

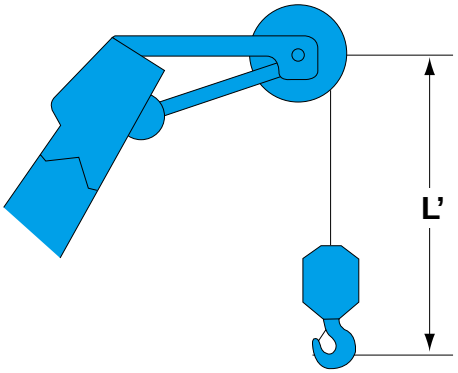


This catalog may contain photographs of machines with specifications, attachments and optional equipment.

Limit of Hook Lifting



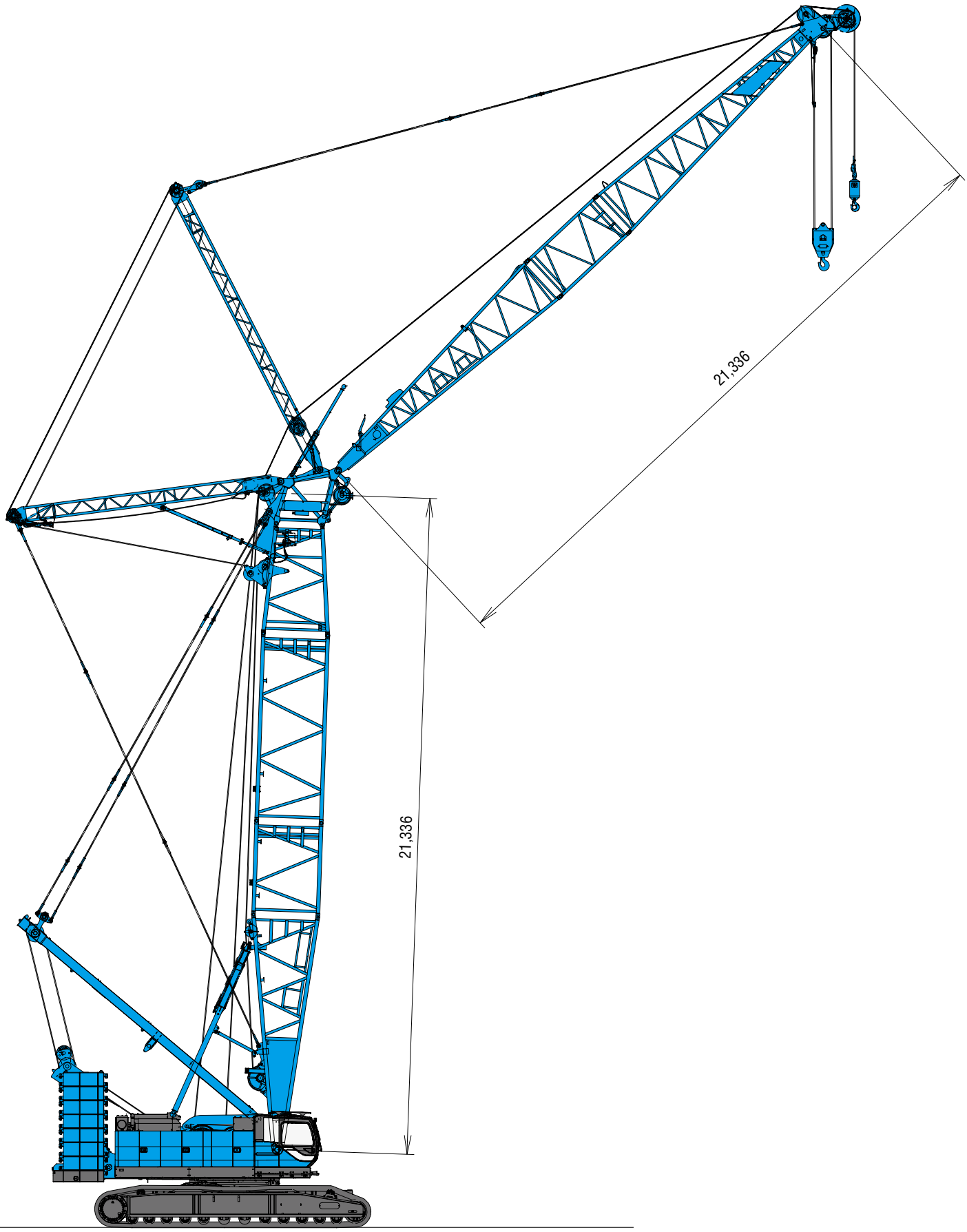
Hook	L
250 t hook	5.3 m
150 t hook	5.9 m
100 t hook	5.2 m
70 t hook	4.9 m
35 t hook	4.7 m



Hook	L'
35 t hook	3.8 m
Ball hook	3.5 m

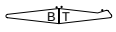
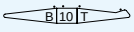
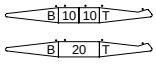
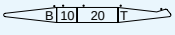
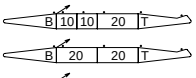
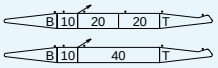
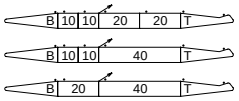
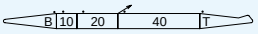
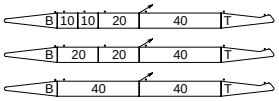
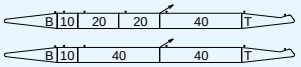
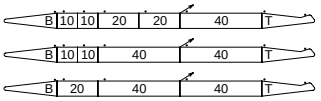
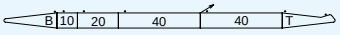
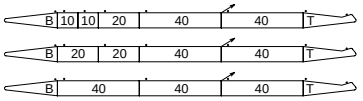
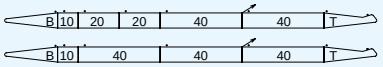
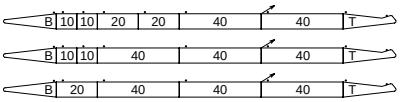
Luffing Jib

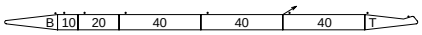
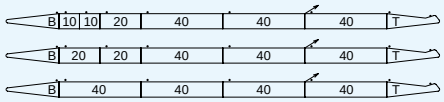
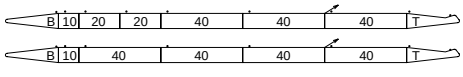
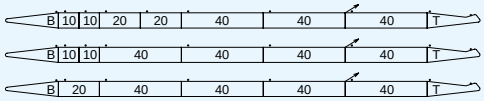
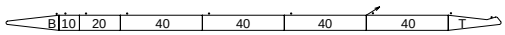
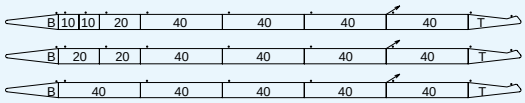
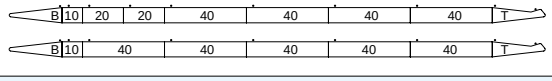
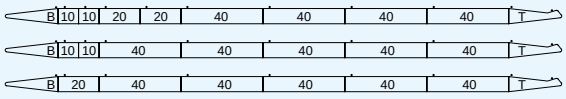
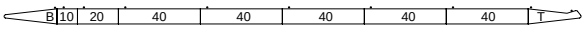
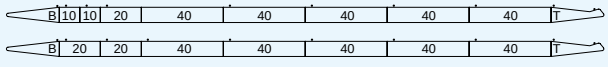
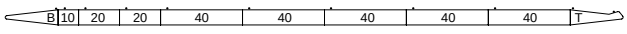
(Unit: mm)



This catalog may contain photographs of machines with specifications, attachments and optional equipment.

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)	※ 
39.5 (130)	※ 
42.7 (140)	※ 
45.7 (150)	※ 
48.8 (160)	※ 
51.8 (170)	※ 
54.9 (180)	※ 
57.9 (190)	※ 

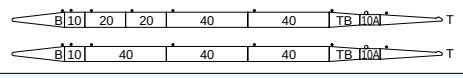
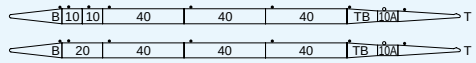
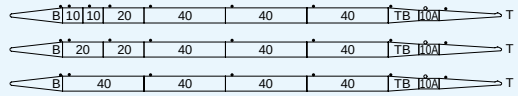
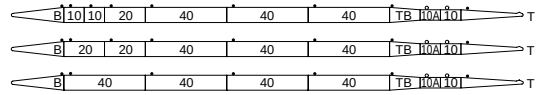
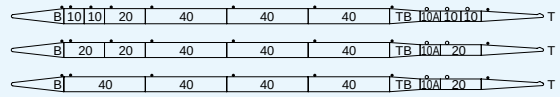
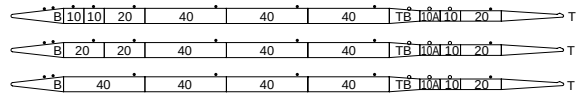
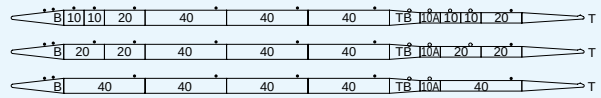
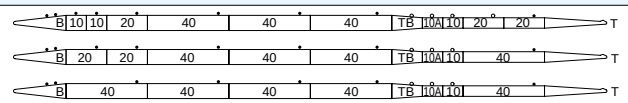
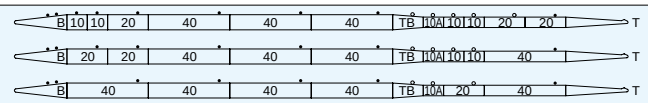
Boom length m (ft)	Boom arrangement
61.0 (200)	※ 
64.0 (210)	※ 
67.1 (220)	※ 
70.1 (230)	※ 
73.2 (240)	※ 
76.2 (250)	※ 
79.3 (260)	※ 
82.3 (270)	※ 
85.3 (280)	※ 
88.4 (290)	※ 
91.4 (300)	※ 

Symbol	Boom Length	Remarks
B	7.6 m	Boom Base
T	7.6 m	Boom Top
10	3.0 m	Insert Boom
20	6.1 m	Insert Boom
40	12.2 m	Insert Boom

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

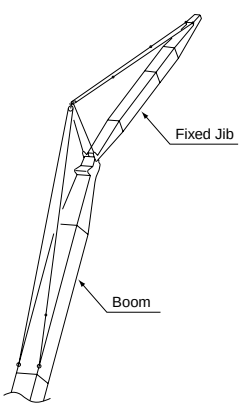
※ Indicates the most flexible combination of insert booms, which can be modified to form all shorter boom arrangements.

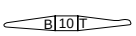
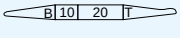
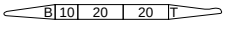
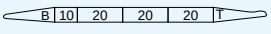
Long Boom Arrangements

Boom length m (ft)	Boom arrangement
64.0 (210)	
67.1 (220)	※ 
70.0 (230)	※
73.2 (240)	※ 
76.2 (250)	※ 
79.3 (260)	※ 
82.3 (270)	※ 
85.3 (280)	※ 
88.4 (290)	※ 
91.4 (300)	※ 

Symbol	Long Boom Length	Remarks
B	7.6 m	Boom Base
T	9.1 m	Luffing Jib Top
10	3.0 m	Insert Boom
20	6.1 m	Insert Boom
40	12.2 m	Insert Boom
TB	4.6 m	Tapered Boom
10A	3.0 m	Relay Jib
10	3.0 m	Luffing Insert Jib
20	6.1 m	Luffing Insert Jib
40	12.2 m	Luffing Insert Jib

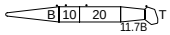
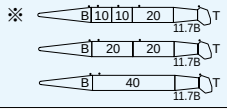
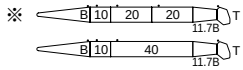
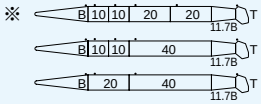
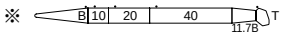
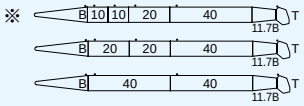
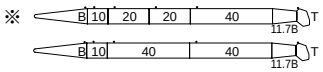
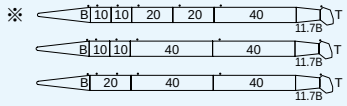
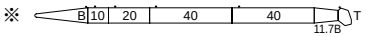
Fixed Jib Arrangements

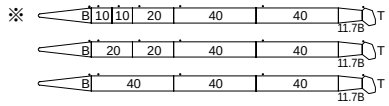
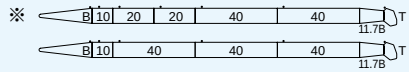
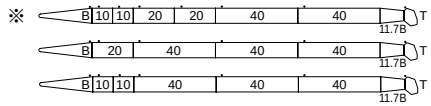
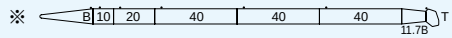
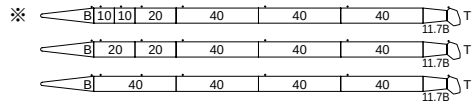


Crane boom length	Jib length m (ft)	Jib arrangement
27.4 m ～ 76.2 m	12.2 (40)	
	18.3 (60)	
	24.4 (80)	
	30.5 (100)	

Symbol	Jib Length	Remarks
B	4.6 m	Jib Base
T	4.6 m	Jib Top
10	3.0 m	Insert Jib
20	6.1 m	Insert Jib

Luffing Boom Arrangements for Luffing

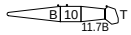
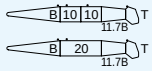
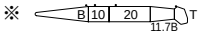
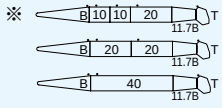
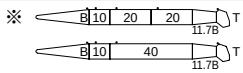
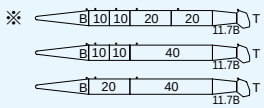
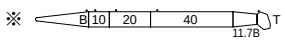
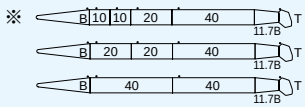
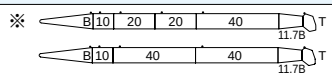
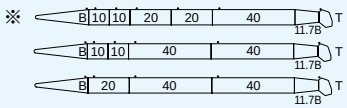
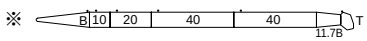
Boom length m (ft)	Boom arrangement
21.3 (70)	
24.4 (80)	
27.4 (90)	
30.5 (100)	
33.5 (110)	
36.6 (120)	
39.6 (130)	
42.7 (140)	
45.7 (150)	

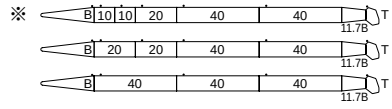
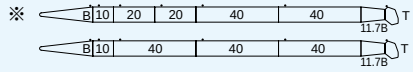
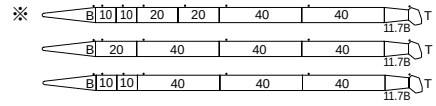
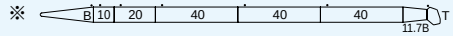
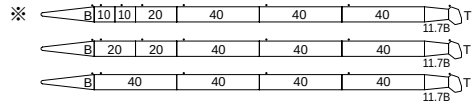
Boom length m (ft)	Boom arrangement
48.8 (160)	
51.8 (170)	
54.9 (180)	
57.9 (190)	
61.0 (200)	

Symbol	Luffing Boom Length	Remarks
B	7.6 m	Boom Base
T	1.0 m	Luffing Boom Top
11.7B	3.6 m	Luffing Tapered Boom
10	3.0 m	Insert Boom
20	6.1 m	Insert Boom
40	12.2 m	Insert Boom

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

Luffing Boom Arrangements for Crane

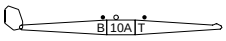
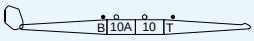
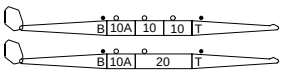
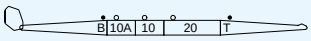
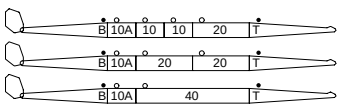
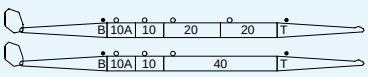
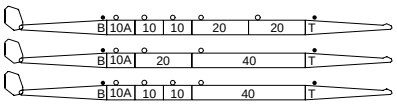
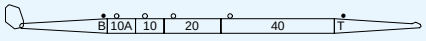
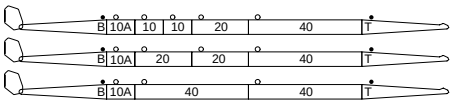
Boom length m (ft)	Boom arrangement
15.2 (50)	
18.3 (60)	
21.3 (70)	
24.4 (80)	
27.4 (90)	
30.5 (100)	
33.5 (110)	
36.6 (120)	
39.6 (130)	
42.7 (140)	
45.7 (150)	

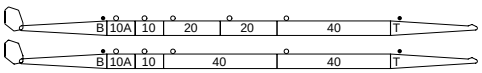
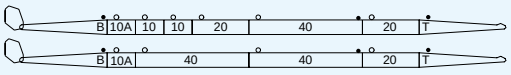
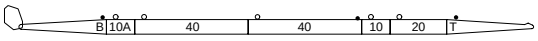
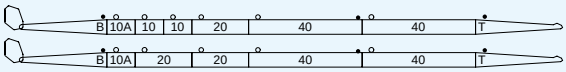
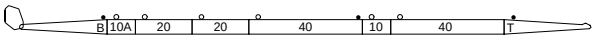
Boom length m (ft)	Boom arrangement
48.8 (160)	
51.8 (170)	
54.9 (180)	
57.9 (190)	
61.0 (200)	

Symbol	Boom Length	Remarks
B	7.6 m	Boom Base
T	1.0 m	Luffing Boom Top
11.7B	3.6 m	Luffing Tapered Boom
10	3.0 m	Insert Boom
20	6.1 m	Insert Boom
40	12.2 m	Insert Boom

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

Luffing Jib Arrangements

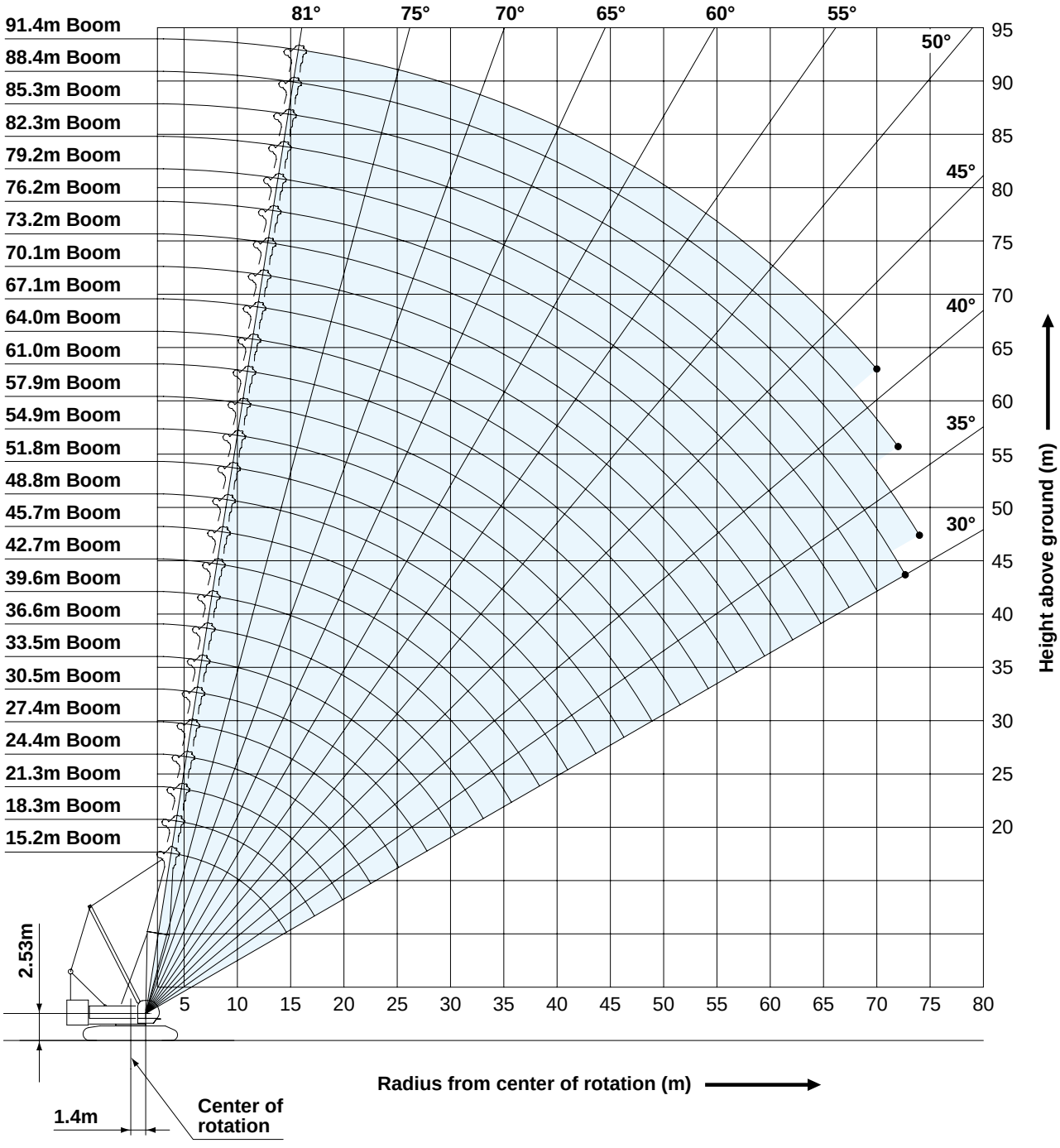
Jib length m (ft)	Jib arrangement
21.3 (70)	※ 
24.4 (80)	※ 
27.4 (90)	※ 
30.5 (100)	※ 
33.5 (110)	※ 
36.6 (120)	※ 
39.6 (130)	※ 
42.7 (140)	※ 
45.7 (150)	※ 

Jib length m (ft)	Jib arrangement
48.8 (160)	※ 
51.8 (170)	※ 
54.9 (180)	※ 
57.9 (190)	※ 
61.0 (200)	※ 

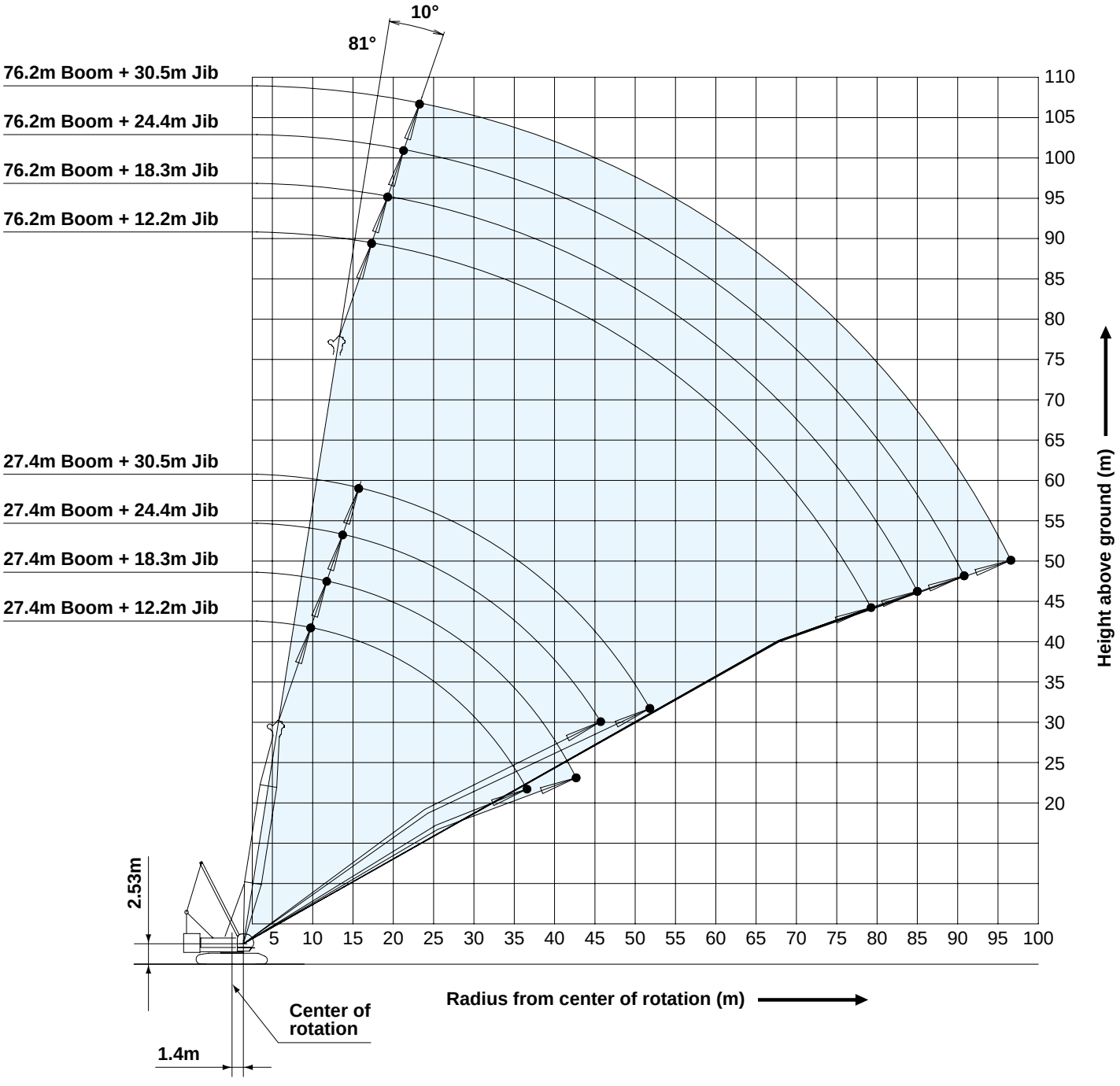
Symbol	Boom Length	Remarks
B	9.1 m	Luffing Jib Base
T	9.1 m	Luffing Jib Top
10A	3.0 m	Relay Jib
10	3.0 m	Luffing Insert Jib
20	6.1 m	Luffing Insert Jib
40	12.2 m	Luffing Insert Jib

※ Indicates the most flexible combination of insert luffing jibs, which can be modified to form all shorter luffing jib arrangements.

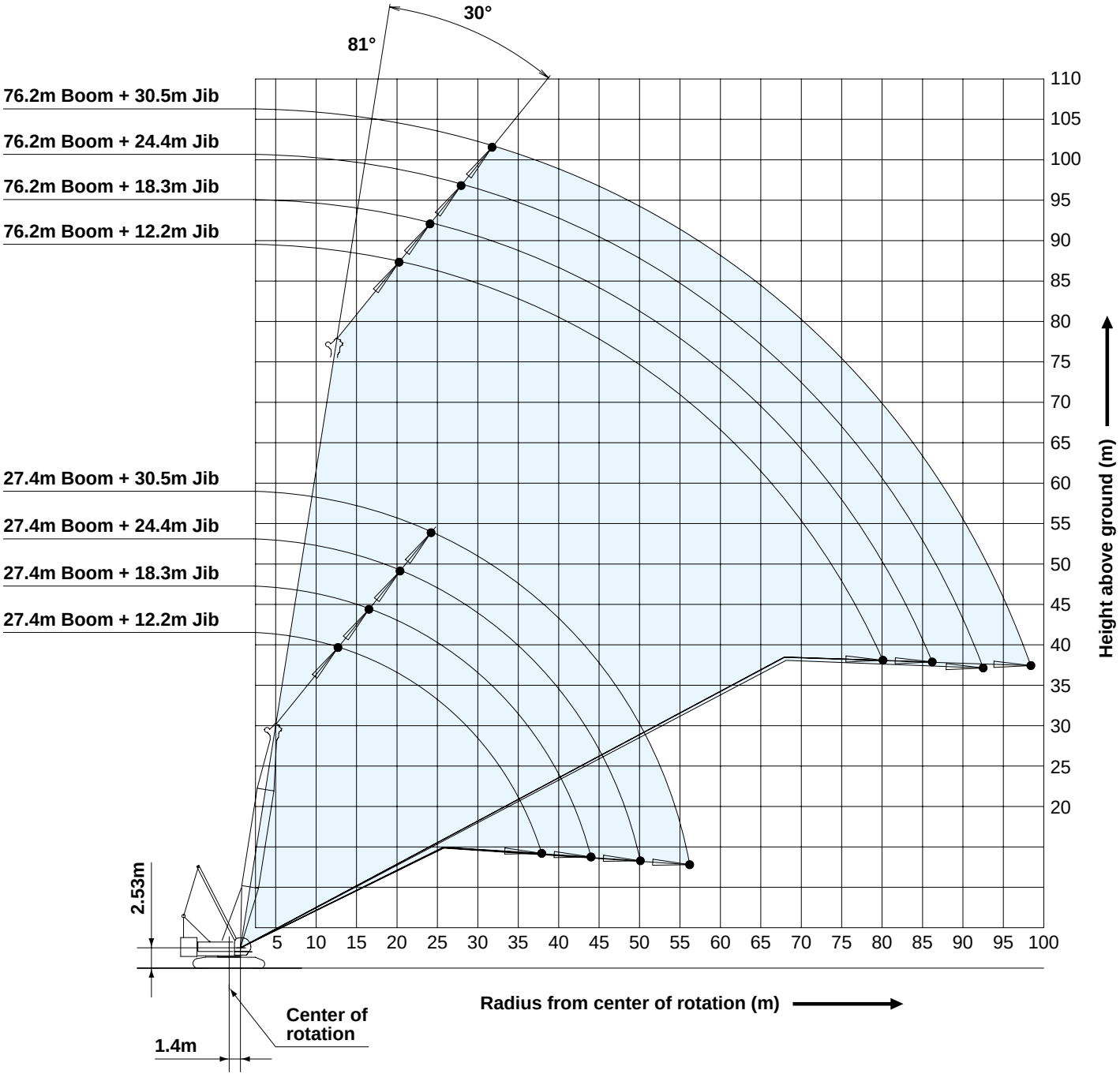
Crane Boom


91.4m Boom
88.4m Boom
85.3m Boom
82.3m Boom
79.2m Boom
76.2m Boom
73.2m Boom
70.1m Boom
67.1m Boom
64.0m Boom
61.0m Boom
57.9m Boom
54.9m Boom
51.8m Boom
48.8m Boom
45.7m Boom
42.7m Boom
39.6m Boom
36.6m Boom
33.5m Boom
30.5m Boom
27.4m Boom
24.4m Boom
21.3m Boom
18.3m Boom
15.2m Boom
81°
75°
70°
65°
60°
55°
50°
45°
40°
35°
30°
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
Height above ground (m)
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
Radius from center of rotation (m)
2.53m
1.4m
Center of rotation

Fixed Jib 10°

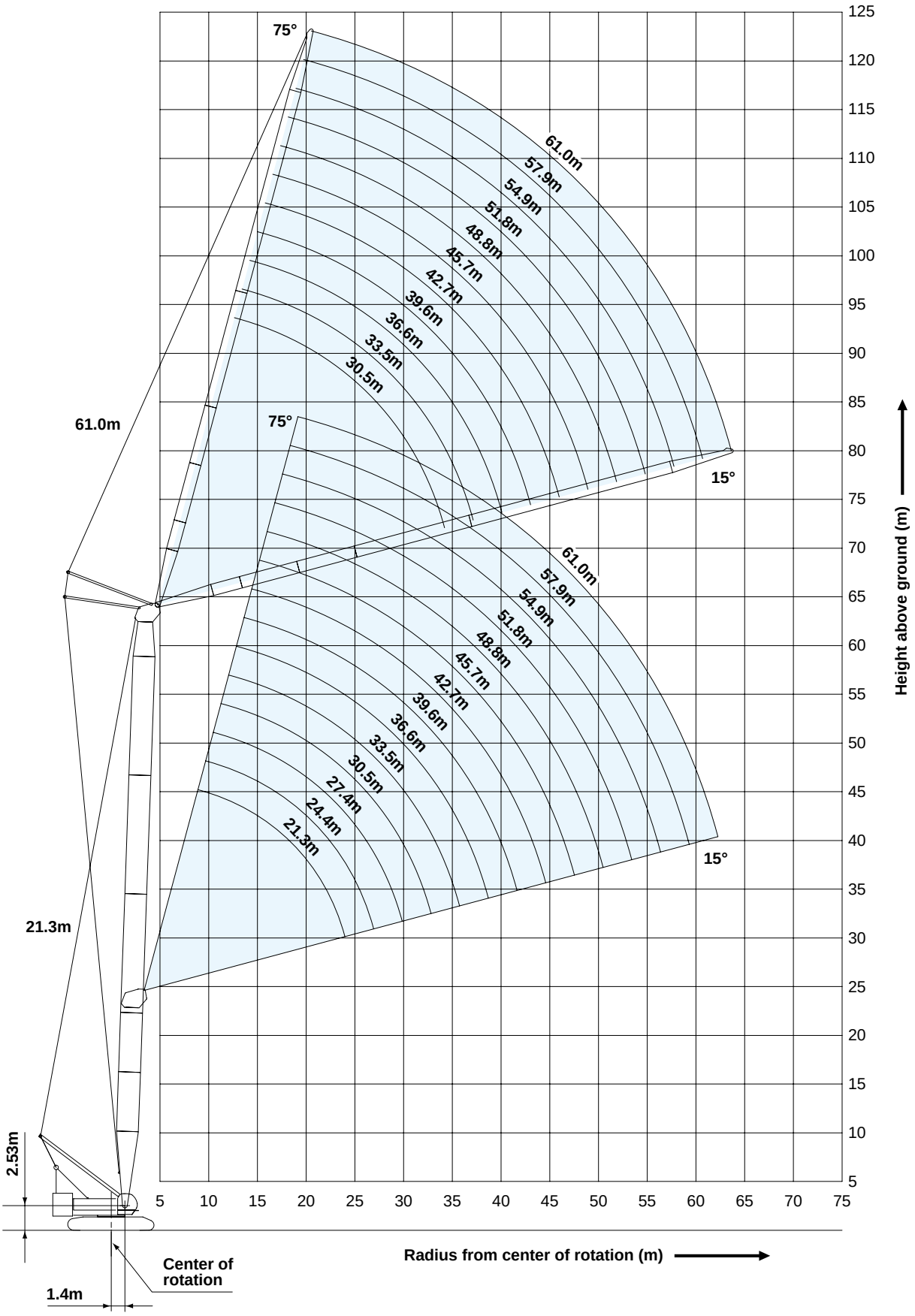

10°
81°
76.2m Boom + 30.5m Jib
76.2m Boom + 24.4m Jib
76.2m Boom + 18.3m Jib
76.2m Boom + 12.2m Jib
27.4m Boom + 30.5m Jib
27.4m Boom + 24.4m Jib
27.4m Boom + 18.3m Jib
27.4m Boom + 12.2m Jib
110
105
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
Height above ground (m)
2.53m
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
Radius from center of rotation (m)
Center of rotation
1.4m

Fixed Jib 30°


30°
81°
76.2m Boom + 30.5m Jib
76.2m Boom + 24.4m Jib
76.2m Boom + 18.3m Jib
76.2m Boom + 12.2m Jib
27.4m Boom + 30.5m Jib
27.4m Boom + 24.4m Jib
27.4m Boom + 18.3m Jib
27.4m Boom + 12.2m Jib
110
105
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
Height above ground (m)
2.53m
5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100
Radius from center of rotation (m)
Center of rotation
1.4m

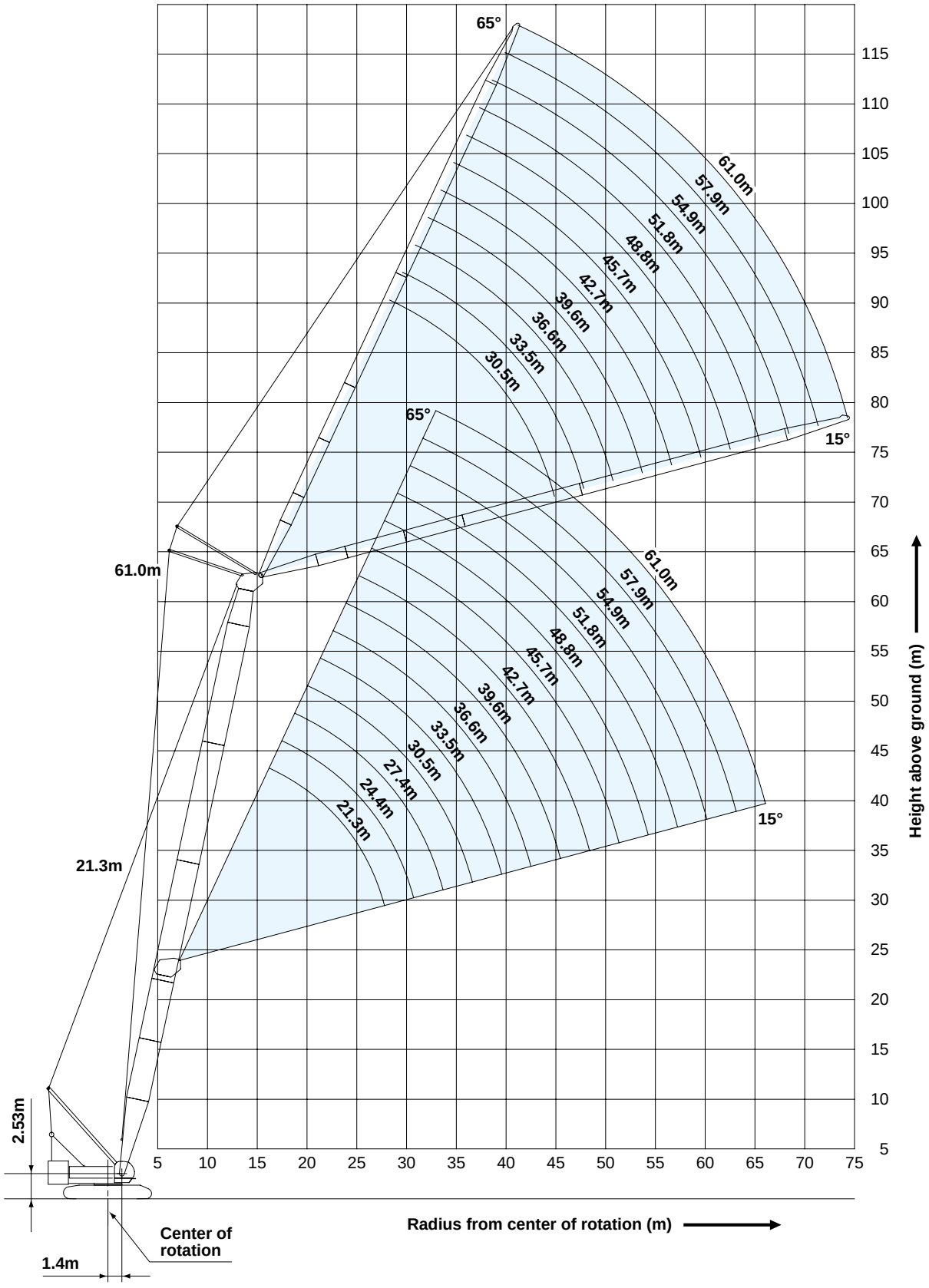
Luffing Jib

Boom Angle: 88°



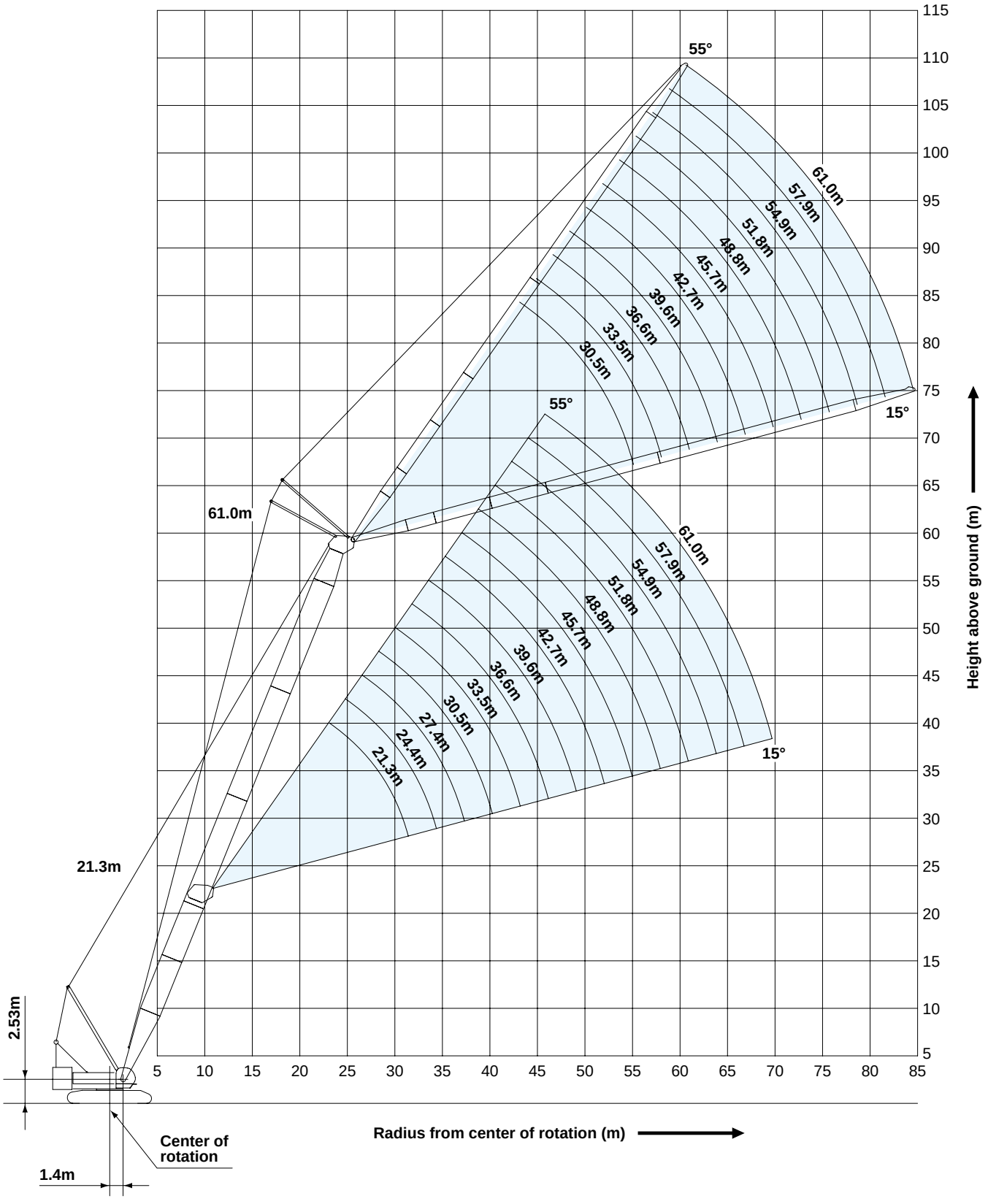
Luffing Jib

Boom Angle: 78°



Luffing Jib

Boom Angle: 68°



SUPPLEMENTAL DATA

- Ratings according to EN13000.
- Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
- Deduct weight of hook block (s), slings and all other load handling accessories from main boom ratings shown.
- 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.
  The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
- Ratings are for operation on a firm and level surface, up to 1 % gradient.
- At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
- Boom inserts and guy lines must be arranged as shown in the "operator's manual".
- Boom hoist reeving is 16 part line.
- Gantry must be in raised position for all conditions.
- Boom backstops are required for all boom lengths.
- The boom should be erected over the front of the crawlers, not laterally.
- Ratings inside of boxes ☐ are limited by strength of materials.
- The minimum rated load is 2.4 (ton).
- When erecting or lowering the boom or the jib combination showen below, the blocks for erection must be placed under the front of the crawlers.
  - The boom length 88.4 m (290 ft) or over
  - The combination length of the boom 76.2 m (250 ft) and the any length of fixed jib

(Crane boom/long boom/luffing boom lifting)

- The total load that can be lifted is the value for weight of main hook block, slings, and all other load handling accessories deducted from crane boom/long boom/luffing boom ratings shown.

(Fixed jib lifting)

- The total load that can be lifted is the value for weight of jib hook block, slings, and all other load handling accessories deducted from fixed jib ratings shown.
- The availability of fixed jib mounting
  - On crane boom : Range 27.4 m to 76.2 m.
- Use of single part of line is not allowed on 12.2 m jib with 10 degrees offset angle on any boom length.

< Reference Information >

Main hoist loads

No. of Parts of Line	1	2	3	4	5
Maximum Loads (kN)	132	265	397	530	662
Maximum Loads (t)	13.5	27.0	40.5	54.0	67.5

No. of Parts of Line	6	7	8	10	12
Maximum Loads (kN)	794	927	1,059	1,324	1,569
Maximum Loads (t)	81.0	94.5	108.0	135.0	160.0

No. of Parts of Line	14	16	18	20	22
Maximum Loads (kN)	1,795	2,010	2,226	2,354	2,452
Maximum Loads (t)	183.0	205.0	227.0	240.0	250.0

Auxiliary hoist loads

No. of Parts of Line	1	2
Maximum Loads (kN)	132	265
Maximum Loads (t)	13.5	27.0

Weight of hook block						
Hook Block	250 t	150 t	100 t	70 t	35 t	Ball Hook
Weight (t)	4.2	2.3	1.8	1.2	0.9	0.45

Operation of this equipment in excess of rated loads
or disregard of instruction voids the warranty.

LIFTING CAPACITIES

Crane Boom Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

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	51.8	Boom length (m) \ Working radius (m)
4.6	4.6m/250.0													4.6
5.0	230.7	5.0m/226.7	5.5m/205.0											5.0
6.0	191.5	191.5	191.1	6.1m/183.0	6.6m/174.5									6.0
7.0	165.9	165.6	165.2	165.0	164.7	7.1m/154.2	7.7m/143.8							7.0
8.0	146.1	145.8	145.4	145.2	144.9	144.6	141.4	8.2m/127.3	8.7m/115.7					8.0
9.0	130.4	130.1	129.8	129.6	129.2	127.0	127.3	123.8	114.8	9.2m/107.2	9.8m/98.3			9.0
10.0	117.7	117.4	117.1	116.9	114.7	115.0	113.3	110.5	107.4	103.8	97.0	10.3m/92.6	10.8m/84.7	10.0
12.0	90.0	90.2	90.2	90.2	90.2	90.1	90.0	89.9	87.8	85.9	83.8	82.0	79.5	12.0
14.0	72.2	72.4	72.4	72.4	72.3	72.2	72.1	72.0	72.0	72.0	70.8	69.4	68.0	14.0
16.0	14.8m/65.7	60.2	60.2	60.2	60.0	59.9	59.8	59.8	59.7	59.6	59.4	59.3	58.7	16.0
18.0		17.5m/53.5	51.3	51.3	51.1	51.1	50.9	50.8	50.7	50.7	50.4	50.3	50.2	18.0
20.0			44.6	44.6	44.4	44.3	44.1	44.0	43.9	43.9	43.6	43.5	43.4	20.0
22.0			20.1m/44.3	39.3	39.1	39.0	38.7	38.7	38.6	38.5	38.3	38.2	38.0	22.0
24.0				22.7m/37.6	34.8	34.7	34.5	34.4	34.3	34.2	34.0	33.8	33.7	24.0
26.0					25.4m/32.3	31.3	30.9	30.8	30.7	30.7	30.4	30.3	30.1	26.0
28.0						28.0m/28.3	28.0	27.9	27.8	27.7	27.4	27.3	27.1	28.0
30.0							25.5	25.4	25.2	25.2	24.9	24.8	24.6	30.0
32.0							30.7m/24.8	23.4	23.1	23.0	22.7	22.6	22.4	32.0
34.0								33.3m/22.1	21.2	21.1	20.8	20.7	20.5	34.0
36.0									35.9m/19.7	19.5	19.2	19.1	18.9	36.0
38.0										18.0	17.7	17.6	17.4	38.0
40.0										38.6m/17.6	16.4	16.3	16.1	40.0
42.0											41.2m/15.7	15.2	14.9	42.0
44.0												43.9m/14.2	13.9	44.0
46.0													13.0	46.0
48.0													46.5m/12.8	48.0
Reeves	22	18	16	14	14	12	12	10	10	8	8	7	7	Reeves

Working radius (m) \ Boom length (m)	54.9	57.9	61.0	64.0	67.1	70.1	73.2	76.2	79.3	82.3	85.3	88.4	91.4	Boom length (m) \ Working radius (m)
10.0	11.4m/81.4	11.9m/76.1												10.0
12.0	78.0	75.5	12.4m/68.8	12.9m/67.5	13.5m/63.8									12.0
14.0	66.5	65.2	63.3	62.5	61.3	14.0m/59.4	14.5m/54.5	15.1m/49.1	15.6m/44.7					14.0
16.0	57.5	56.4	55.4	54.2	53.2	51.2	51.1	48.4	44.5	16.1m/40.9	16.6m/37.4	17.2m/33.8	17.7m/31.0	16.0
18.0	50.0	49.5	48.6	47.6	46.8	45.6	44.9	44.2	43.2	39.7	36.6	33.3	30.9	18.0
20.0	43.2	43.0	42.9	42.2	41.5	40.6	39.9	39.2	38.4	37.6	35.4	32.2	29.8	20.0
22.0	37.8	37.7	37.5	37.3	37.2	36.5	35.7	35.1	34.4	33.6	32.9	31.2	28.8	22.0
24.0	33.5	33.3	33.2	32.9	32.9	32.6	32.2	31.6	30.9	30.2	29.6	29.2	27.7	24.0
26.0	29.9	29.7	29.6	29.4	29.3	29.0	28.9	28.6	28.0	27.3	26.8	26.3	25.7	26.0
28.0	26.9	26.8	26.6	26.4	26.3	26.0	25.9	25.8	25.4	24.8	24.3	23.9	23.3	28.0
30.0	24.4	24.2	24.1	23.8	23.7	23.5	23.3	23.2	23.0	22.6	22.1	21.7	21.2	30.0
32.0	22.2	22.0	21.9	21.6	21.5	21.3	21.1	21.0	20.8	20.5	20.2	19.8	19.3	32.0
34.0	20.3	20.1	20.0	19.7	19.6	19.4	19.2	19.1	18.9	18.6	18.4	18.1	17.6	34.0
36.0	18.6	18.5	18.3	18.1	17.9	17.7	17.5	17.4	17.2	16.9	16.8	16.6	16.1	36.0
38.0	17.2	17.0	16.9	16.6	16.5	16.2	16.0	15.9	15.7	15.4	15.3	15.2	14.7	38.0
40.0	15.9	15.7	15.5	15.3	15.2	14.9	14.7	14.6	14.4	14.1	13.9	13.8	13.5	40.0
42.0	14.7	14.5	14.4	14.1	14.0	13.7	13.5	13.4	13.2	12.9	12.8	12.7	12.4	42.0
44.0	13.7	13.5	13.3	13.0	12.9	12.6	12.5	12.3	12.1	11.8	11.7	11.6	11.3	44.0
46.0	12.7	12.5	12.4	12.1	12.0	11.7	11.5	11.4	11.2	10.9	10.7	10.6	10.4	46.0
48.0	11.9	11.6	11.5	11.2	11.1	10.8	10.7	10.5	10.3	10.0	9.8	9.7	9.4	48.0
50.0	49.1m/11.4	10.9	10.7	10.4	10.3	10.0	9.9	9.7	9.5	9.1	8.9	8.8	8.5	50.0
52.0		51.8m/10.2	10.0	9.7	9.6	9.3	9.1	8.9	8.7	8.3	8.1	8.0	7.7	52.0
54.0			9.3	9.1	8.9	8.6	8.4	8.2	7.9	7.6	7.4	7.2	7.0	54.0
56.0			54.4m/9.2	8.4	8.3	7.9	7.7	7.5	7.2	6.9	6.7	6.5	6.3	56.0
58.0				57.1m/8.1	7.7	7.3	7.1	6.9	6.6	6.3	6.1	5.9	5.6	58.0
60.0					59.7m/7.2	6.7	6.5	6.3	6.0	5.7	5.5	5.3	5.0	60.0
62.0						6.2	6.0	5.8	5.5	5.1	4.9	4.8	4.5	62.0
64.0						62.3m/6.1	5.5	5.3	5.0	4.6	4.4	4.3	4.0	64.0
66.0							65.0m/5.3	4.8	4.5	4.2	4.0	3.8	3.5	66.0
68.0								67.6m/4.5	4.1	3.7	3.5	3.3	2.9	68.0
70.0									3.7	3.3	3.1	2.9	2.4	70.0
72.0									70.2m/3.6	2.9	2.7	2.5		72.0
74.0										72.9m/2.8	2.4			74.0
Reeves	7	6	6	5	5	5	5	4	4	4	3	3	3	Reeves

Note:Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Fixed Jib Lifting Capacities (Without Main Hook Block) (Jib Offset Angle : 10°)

Counterweight: 90.4 t
Carbody Weight: 27.5 t
Unit: metric ton

Boom length (m)	27.4				30.5				33.5				Boom length (m)
Working Radius (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)
10.0	10.4m/27.0				11.0m/26.4				11.5m/26.5				10.0
12.0	25.5	12.5m/21.2			25.9	13.1m/21.2			26.3	13.6m/21.2			12.0
14.0	24.3	20.4	14.6m/12.1		24.7	20.7	15.1m/12.1		25.1	21.0	15.7m/12.1		14.0
16.0	23.0	19.3	11.8	16.7m/6.8	23.7	19.7	11.9	17.2m/6.8	24.1	20.0	12.1	17.8m/6.7	16.0
18.0	21.8	18.4	11.2	6.5	22.7	18.8	11.4	6.6	23.2	19.1	11.6	6.7	18.0
20.0	20.7	17.5	10.7	6.2	21.9	17.9	10.9	6.3	22.3	18.3	11.1	6.4	20.0
22.0	19.8	16.8	10.3	5.9	21.0	17.2	10.5	6.0	21.5	17.6	10.7	6.1	22.0
24.0	18.9	16.1	9.9	5.6	20.2	16.5	10.1	5.7	20.7	16.9	10.3	5.8	24.0
26.0	18.1	15.4	9.4	5.3	19.5	15.9	9.7	5.5	20.0	16.3	9.9	5.6	26.0
28.0	17.3	14.3	9.1	5.1	18.7	15.1	9.3	5.2	19.4	15.7	9.5	5.3	28.0
30.0	16.7	13.4	8.7	4.9	17.9	14.1	8.9	5.0	18.7	14.8	9.2	5.1	30.0
32.0	16.1	12.6	8.4	4.7	17.2	13.3	8.6	4.8	18.0	13.9	8.8	4.9	32.0
34.0	15.5	11.9	8.1	4.5	16.4	12.5	8.3	4.6	17.3	13.2	8.5	4.7	34.0
36.0	14.9	11.3	7.8	4.3	15.7	11.9	8.0	4.4	16.6	12.5	8.3	4.5	36.0
38.0	37.1m/14.5	10.7	7.6	4.2	15.0	11.3	7.8	4.3	15.8	11.9	8.0	4.4	38.0
40.0		10.3	7.3	4.0	39.8m/14.5	10.8	7.6	4.1	15.1	11.3	7.8	4.2	40.0
42.0		9.8	7.1	3.9		10.3	7.3	4.0	14.6	10.8	7.5	4.1	42.0
44.0		42.9m/9.7	6.9	3.8		9.9	7.1	3.9	42.4m/14.5	10.4	7.3	4.0	44.0
46.0			6.8	3.7		45.5m/9.7	7.0	3.8		10.0	7.1	3.8	46.0
48.0			6.6	3.6			6.8	3.7		9.7	7.0	3.8	48.0
50.0			48.6m/6.6	3.5			6.6	3.6		48.2m/9.7	6.8	3.7	50.0
52.0				3.3			51.2m/6.6	3.5			6.7	3.6	52.0
54.0				3.2				3.4			53.9m/6.6	3.5	54.0
56.0				54.3m/3.1				3.2				3.4	56.0
58.0								57.0m/3.0				3.2	58.0
60.0												59.6m/3.0	60.0
Reeves	2	2	1	1	2	2	1	1	2	2	1	1	Reeves

Boom length (m)	36.6				39.6				42.7				Boom length (m)
Working Radius (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)
12.0	12.0m/26.6				12.6m/26.5				13.1m/26.5				12.0
14.0	25.5	14.1m/21.2			25.8	14.6m/21.2			26.1	15.2m/21.2			14.0
16.0	24.5	20.3	16.2m/12.1		24.8	20.6	16.7m/12.1		25.1	20.8	17.3m/12.1		16.0
18.0	23.6	19.4	11.7	18.3m/6.8	23.9	19.7	11.8	18.8m/6.8	24.3	20.0	12.0	19.3m/6.8	18.0
20.0	22.7	18.6	11.2	6.5	23.1	18.9	11.4	6.6	23.5	19.2	11.5	6.7	20.0
22.0	21.9	17.9	10.8	6.2	22.3	18.2	11.0	6.3	22.7	18.5	11.1	6.4	22.0
24.0	21.2	17.2	10.4	5.9	21.5	17.5	10.6	6.0	22.1	17.8	10.7	6.1	24.0
26.0	20.5	16.6	10.1	5.7	20.8	16.9	10.2	5.8	21.5	17.2	10.4	5.9	26.0
28.0	19.8	16.1	9.7	5.4	20.0	16.4	9.9	5.5	20.7	16.7	10.1	5.6	28.0
30.0	19.1	15.5	9.4	5.2	19.4	15.9	9.6	5.3	20.0	16.2	9.7	5.4	30.0
32.0	18.4	14.6	9.0	5.0	18.7	15.2	9.2	5.1	19.4	15.7	9.4	5.2	32.0
34.0	17.8	13.8	8.7	4.8	18.0	14.4	8.9	4.9	18.8	15.0	9.1	5.0	34.0
36.0	17.1	13.1	8.5	4.6	17.3	13.6	8.7	4.8	18.1	14.2	8.8	4.9	36.0
38.0	16.4	12.4	8.2	4.5	16.7	13.0	8.4	4.6	17.4	13.5	8.6	4.7	38.0
40.0	15.8	11.9	8.0	4.3	16.1	12.4	8.2	4.4	16.8	12.9	8.3	4.6	40.0
42.0	15.3	11.3	7.7	4.2	15.5	11.8	7.9	4.3	15.8	12.3	8.1	4.4	42.0
44.0	14.7	10.9	7.5	4.1	14.9	11.4	7.7	4.2	14.8	11.8	7.9	4.3	44.0
46.0	45.1m/14.4	10.5	7.3	4.0	14.2	10.9	7.5	4.1	14.0	11.4	7.7	4.2	46.0
48.0		10.1	7.2	3.8	47.7m/13.5	10.5	7.3	3.9	13.1	11.0	7.5	4.0	48.0
50.0		9.8	7.0	3.8		10.2	7.2	3.8	12.2	10.6	7.3	3.9	50.0
52.0		50.8m/9.6	6.8	3.7		9.8	7.0	3.8	50.3m/12.1	10.2	7.2	3.8	52.0
54.0			6.7	3.6		53.4m/9.6	6.9	3.7		9.9	7.0	3.8	54.0
56.0			6.6	3.5			6.7	3.6		56.1m/9.6	6.9	3.7	56.0
58.0			56.5m/6.5	3.4			6.6	3.5			6.8	3.6	58.0
60.0				3.4			59.2m/6.5	3.4			6.6	3.5	60.0
62.0				3.2				3.4			61.8m/6.6	3.5	62.0
64.0				62.3m/3.1				3.3				3.4	64.0
66.0								64.9m/3.1				3.3	66.0
68.0												67.5m/3.0	68.0
Reeves	2	2	1	1	2	2	1	1	2	2	1	1	Reeves

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
12.2 m jib length with offset angle 10 degrees, one part of line on hook is not allowed to use.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Fixed Jib Lifting Capacities (Without Main Hook Block) (Jib Offset Angle : 10°)

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

Boom length (m)	45.7				48.8				51.8				Boom length (m)
Working Radius (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)
12.0	13.6m/26.5												**12.0**
14.0	26.3	15.7m/21.2			14.1m/26.5				14.7m/26.5				**14.0**
16.0	25.4	21.0	17.8m/12.1		25.7	16.2m/21.2			25.9	16.8m/21.2			**16.0**
18.0	24.6	20.2	12.1	19.9m/6.7	24.9	20.5	18.3m/12.1		25.1	20.7	18.8m/12.1		**18.0**
20.0	23.8	19.5	11.6	6.7	24.1	19.7	11.8	20.4m/6.7	24.4	19.9	11.9	20.9m/6.8	**20.0**
22.0	23.0	18.8	11.3	6.4	23.2	19.0	11.4	6.5	23.5	19.3	11.5	6.6	**22.0**
24.0	22.2	18.1	10.9	6.2	22.4	18.4	11.0	6.3	22.8	18.6	11.1	6.3	**24.0**
26.0	21.5	17.5	10.5	5.9	21.6	17.8	10.7	6.0	22.1	18.1	10.8	6.1	**26.0**
28.0	20.7	17.0	10.2	5.7	20.9	17.3	10.4	5.8	21.5	17.5	10.5	5.9	**28.0**
30.0	20.0	16.5	9.9	5.5	20.3	16.8	10.1	5.6	20.9	17.0	10.2	5.7	**30.0**
32.0	19.3	16.0	9.6	5.3	19.7	16.3	9.8	5.4	20.3	16.6	9.9	5.5	**32.0**
34.0	18.6	15.6	9.3	5.1	19.1	15.8	9.5	5.2	19.7	16.1	9.6	5.3	**34.0**
36.0	17.8	14.8	9.0	5.0	18.5	15.3	9.2	5.0	19.2	15.7	9.3	5.1	**36.0**
38.0	17.1	14.0	8.8	4.8	17.8	14.6	8.9	4.9	17.7	15.1	9.1	5.0	**38.0**
40.0	16.3	13.4	8.5	4.6	16.7	13.9	8.7	4.7	16.4	14.4	8.8	4.8	**40.0**
42.0	15.5	12.8	8.3	4.5	15.5	13.3	8.5	4.6	15.2	13.8	8.6	4.7	**42.0**
44.0	14.6	12.3	8.1	4.4	14.4	12.8	8.2	4.5	14.1	13.2	8.4	4.5	**44.0**
46.0	13.6	11.8	7.9	4.2	13.4	12.3	8.0	4.3	13.1	12.7	8.2	4.4	**46.0**
48.0	12.7	11.4	7.7	4.1	12.5	11.8	7.8	4.2	12.2	12.2	8.0	4.3	**48.0**
50.0	11.9	11.0	7.5	4.0	11.7	11.4	7.7	4.1	11.4	11.8	7.8	4.2	**50.0**
52.0	11.2	10.6	7.3	3.9	11.0	11.0	7.5	4.0	10.7	11.1	7.6	4.1	**52.0**
54.0	53.0m/10.9	10.3	7.2	3.8	10.3	10.7	7.3	3.9	10.0	10.4	7.5	4.0	**54.0**
56.0		10.0	7.0	3.8	55.6m/9.8	10.0	7.2	3.8	9.4	9.8	7.3	3.9	**56.0**
58.0		9.7	6.9	3.7		9.5	7.0	3.7	8.8	9.2	7.2	3.8	**58.0**
60.0		58.7m/9.6	6.8	3.6		8.9	6.9	3.7	58.3m/8.7	8.6	7.1	3.7	**60.0**
62.0			6.7	3.5		61.4m/8.6	6.8	3.6		8.1	6.9	3.7	**62.0**
64.0			6.6	3.4			6.7	3.5		64.0m/7.7	6.8	3.6	**64.0**
66.0			64.4m/6.5	3.4			6.6	3.5			6.7	3.5	**66.0**
68.0				3.3			67.1m/6.5	3.4			6.6	3.5	**68.0**
70.0				3.1				3.4			69.7m/6.5	3.4	**70.0**
72.0				70.2m/3.1				3.2				3.4	**72.0**
74.0								72.8m/3.1				3.2	**74.0**
76.0												75.4m/3.0	**76.0**
Reeves	2	2	1	1	2	2	1	1	2	2	1	1	**Reeves**

Note: Ratings according to EN13000.

Ratings shown in [ ] are determined by the strength of the boom or other structural components.

12.2 m jib length with offset angle 10 degrees, one part of line on hook is not allowed to use.

Lifting capacities may vary depending on hook used or with/without auxiliary sheave.

Please refer rated chart in operator's cabin.

Fixed Jib Lifting Capacities (Without Main Hook Block) (Jib Offset Angle : 10°)

Counterweight: 90.4 t
Carbody Weight: 27.5 t
Unit: metric ton

Boom length (m)	54.9				57.9				61.0				Boom length (m)
Working Radius (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)
14.0	15.2m/26.4				15.7m/26.5								14.0
16.0	26.2	17.3m/21.1			26.4	17.8m/21.1			16.3m/26.5				16.0
18.0	25.4	20.9	19.4m/12.1		25.6	21.1	19.9m/12.1		25.8	18.3m/21.1			18.0
20.0	24.7	20.2	12.0	21.5m/6.8	24.9	20.4	12.1		25.1	20.6	20.4m/12.1		20.0
22.0	23.9	19.5	11.6	6.7	24.1	19.7	11.7	22.0m/6.7	24.5	19.9	11.8	22.5m/6.7	22.0
24.0	23.2	18.9	11.3	6.4	23.4	19.1	11.4	6.5	23.7	19.3	11.5	6.5	24.0
26.0	22.5	18.3	10.9	6.2	22.8	18.5	11.0	6.2	23.1	18.8	11.1	6.3	26.0
28.0	21.9	17.8	10.6	6.0	22.2	18.0	10.7	6.0	22.5	18.2	10.9	6.1	28.0
30.0	21.3	17.3	10.3	5.8	21.6	17.5	10.5	5.8	21.9	17.7	10.6	5.9	30.0
32.0	20.7	16.8	10.1	5.6	21.0	17.1	10.2	5.6	21.3	17.3	10.3	5.7	32.0
34.0	20.1	16.4	9.8	5.4	20.3	16.6	9.9	5.5	20.1	16.8	10.0	5.5	34.0
36.0	18.9	16.0	9.5	5.2	18.6	16.2	9.6	5.3	18.4	16.4	9.8	5.4	36.0
38.0	17.4	15.6	9.2	5.1	17.1	15.8	9.4	5.1	16.9	16.1	9.5	5.2	38.0
40.0	16.1	14.9	9.0	4.9	15.8	15.4	9.1	5.0	15.6	15.7	9.3	5.1	40.0
42.0	14.9	14.2	8.8	4.8	14.6	14.7	8.9	4.8	14.4	14.8	9.1	4.9	42.0
44.0	13.8	13.7	8.6	4.6	13.5	13.9	8.7	4.7	13.3	13.8	8.8	4.8	44.0
46.0	12.8	13.1	8.3	4.5	12.5	13.0	8.5	4.6	12.3	12.8	8.6	4.7	46.0
48.0	12.0	12.3	8.2	4.4	11.6	12.1	8.3	4.4	11.4	11.9	8.4	4.5	48.0
50.0	11.1	11.6	8.0	4.3	10.8	11.2	8.1	4.3	10.6	11.1	8.3	4.4	50.0
52.0	10.4	10.8	7.8	4.2	10.1	10.5	7.9	4.3	9.9	10.3	8.1	4.3	52.0
54.0	9.7	10.1	7.6	4.1	9.4	9.8	7.8	4.1	9.2	9.6	7.9	4.2	54.0
56.0	9.1	9.5	7.5	4.0	8.8	9.2	7.6	4.0	8.6	9.0	7.8	4.1	56.0
58.0	8.5	8.9	7.3	3.9	8.2	8.6	7.5	3.9	8.0	8.4	7.6	4.0	58.0
60.0	8.0	8.3	7.2	3.8	7.6	8.0	7.3	3.9	7.4	7.8	7.5	3.9	60.0
62.0	60.9m/7.8	7.8	7.1	3.7	7.1	7.5	7.2	3.8	6.9	7.3	7.3	3.9	62.0
64.0		7.4	6.9	3.7	63.5m/6.8	7.0	7.1	3.7	6.5	6.8	7.2	3.8	64.0
66.0		6.9	6.8	3.6		6.6	7.0	3.7	6.0	6.4	6.9	3.7	66.0
68.0		66.6m/6.8	6.7	3.5		6.2	6.6	3.6	66.2m/6.0	6.0	6.5	3.6	68.0
70.0			6.5	3.5		69.3m/5.9	6.2	3.5		5.6	6.0	3.6	70.0
72.0			6.2	3.4			5.8	3.5		71.9m/5.2	5.7	3.5	72.0
74.0			72.4m/6.1	3.4			5.5	3.4			5.3	3.5	74.0
76.0				3.3			75.0m/5.3	3.4			5.0	3.4	76.0
78.0				3.2				3.3			77.6m/4.7	3.4	78.0
80.0				78.1m/3.2				3.2				3.3	80.0
82.0								80.7m/3.1				3.3	82.0
84.0												83.4m/3.0	84.0
Reeves	2	2	1	1	2	2	1	1	2	2	1	1	Reeves

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
12.2 m jib length with offset angle 10 degrees, one part of line on hook is not allowed to use.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Fixed Jib Lifting Capacities (Without Main Hook Block)
(Jib Offset Angle : 10°)

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

Boom length (m)	64.0				67.1				70.1				Boom length (m)
Working Radius (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)
16.0	16.8m/26.5				17.3m/26.4				17.9m/26.4				**16.0**
18.0	26.0	18.9m/21.1			26.2	19.4m/21.1			26.4	19.9m/21.1			**18.0**
20.0	25.3	20.7	21.0m/12.1		25.5	20.9	21.5m/12.1		25.7	21.1			**20.0**
22.0	24.7	20.1	11.9	23.0m/6.7	24.9	20.3	12.0	23.6m/6.7	25.1	20.5	22.0m/12.0		**22.0**
24.0	24.1	19.5	11.6	6.6	24.3	19.7	11.7	6.6	24.5	19.9	11.7	24.1m/6.7	**24.0**
26.0	23.5	19.0	11.3	6.4	23.8	19.2	11.3	6.4	24.0	19.3	11.4	6.5	**26.0**
28.0	23.0	18.4	11.0	6.2	23.1	18.6	11.1	6.2	23.4	18.8	11.1	6.3	**28.0**
30.0	22.4	18.0	10.7	6.0	22.4	18.2	10.8	6.0	23.0	18.4	10.8	6.1	**30.0**
32.0	21.7	17.5	10.4	5.8	21.4	17.7	10.5	5.9	20.9	17.9	10.6	5.9	**32.0**
34.0	19.8	17.1	10.2	5.6	19.5	17.3	10.3	5.7	19.2	17.5	10.3	5.7	**34.0**
36.0	18.1	16.7	9.9	5.4	17.8	16.9	10.0	5.5	17.5	17.1	10.1	5.6	**36.0**
38.0	16.6	16.3	9.7	5.3	16.3	16.5	9.8	5.4	16.0	16.5	9.9	5.4	**38.0**
40.0	15.3	15.7	9.4	5.1	15.0	15.5	9.5	5.2	14.7	15.2	9.6	5.3	**40.0**
42.0	14.1	14.5	9.2	5.0	13.8	14.3	9.3	5.1	13.5	14.0	9.4	5.1	**42.0**
44.0	13.0	13.5	9.0	4.9	12.7	13.2	9.1	4.9	12.4	12.9	9.2	5.0	**44.0**
46.0	12.0	12.5	8.8	4.7	11.7	12.2	8.9	4.8	11.4	11.9	9.0	4.9	**46.0**
48.0	11.1	11.6	8.6	4.6	10.9	11.3	8.7	4.7	10.5	11.0	8.8	4.8	**48.0**
50.0	10.3	10.7	8.4	4.5	10.0	10.5	8.5	4.6	9.7	10.2	8.6	4.6	**50.0**
52.0	9.6	10.0	8.2	4.4	9.3	9.7	8.3	4.4	9.0	9.4	8.4	4.5	**52.0**
54.0	8.9	9.3	8.0	4.3	8.6	9.0	8.2	4.3	8.3	8.7	8.3	4.4	**54.0**
56.0	8.2	8.7	7.9	4.2	8.0	8.4	8.0	4.3	7.6	8.1	8.1	4.3	**56.0**
58.0	7.7	8.1	7.7	4.1	7.4	7.8	7.9	4.2	7.1	7.5	8.0	4.2	**58.0**
60.0	7.1	7.5	7.6	4.0	6.8	7.2	7.7	4.1	6.5	6.9	7.5	4.2	**60.0**
62.0	6.6	7.0	7.5	3.9	6.3	6.7	7.3	4.0	6.0	6.4	7.0	4.1	**62.0**
64.0	6.1	6.5	7.0	3.9	5.9	6.2	6.8	3.9	5.5	5.9	6.5	4.0	**64.0**
66.0	5.7	6.1	6.6	3.8	5.4	5.8	6.3	3.8	5.1	5.5	6.0	3.9	**66.0**
68.0	5.3	5.7	6.2	3.7	5.0	5.4	5.9	3.8	4.7	5.1	5.6	3.8	**68.0**
70.0	68.8m/5.1	5.3	5.7	3.6	4.6	5.0	5.5	3.7	4.3	4.7	5.2	3.8	**70.0**
72.0		4.9	5.4	3.6	71.5m/4.4	4.6	5.1	3.7	3.9	4.3	4.8	3.7	**72.0**
74.0		4.6	5.0	3.5		4.3	4.7	3.6	3.6	3.9	4.4	3.6	**74.0**
76.0		74.6m/4.5	4.7	3.5		3.9	4.4	3.5	74.1m/3.6	3.6	4.1	3.6	**76.0**
78.0			4.3	3.4		77.2m/3.8	4.1	3.5		3.3	3.8	3.5	**78.0**
80.0			4.0	3.4			3.8	3.4		79.8m/3.0	3.5	3.4	**80.0**
82.0			80.3m/4.0	3.4			3.5	3.4			3.2	3.3	**82.0**
84.0				3.3			82.9m/3.3	3.3			2.9	3.1	**84.0**
86.0				86.0m/3.2				3.1			85.6m/2.7	2.9	**86.0**
88.0								3.0				2.7	**88.0**
90.0								88.6m/2.9				2.5	**90.0**
92.0												91.3m/2.3	**92.0**
Reeves	2	2	1	1	2	2	1	1	2	2	1	1	**Reeves**

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
12.2 m jib length with offset angle 10 degrees, one part of line on hook is not allowed to use.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Fixed Jib Lifting Capacities (Without Main Hook Block) (Jib Offset Angle : 10°)

Counterweight: 90.4 t
Carbody Weight: 27.5 t
Unit: metric ton

Boom length (m)	73.2				76.2			
Jib length (m)	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5
18.0	18.4m/26.4				18.9m/26.4			
20.0	25.9	20.5m/21.1			26.1	21.0m/21.1		
22.0	25.3	20.6	22.5m/12.1		25.5	20.8	23.1m/12.0	
24.0	24.7	20.0	11.8	24.6m/6.7	24.9	20.2	11.9	25.2m/6.7
26.0	24.2	19.5	11.5	6.5	24.4	19.7	11.6	6.6
28.0	23.7	19.0	11.2	6.3	23.9	19.2	11.3	6.4
30.0	22.6	18.5	11.0	6.2	21.7	18.7	11.1	6.2
32.0	20.5	18.1	10.7	6.0	19.9	18.3	10.8	6.0
34.0	18.9	17.7	10.5	5.8	18.3	17.9	10.6	5.9
36.0	17.3	17.3	10.2	5.6	16.9	17.5	10.3	5.7
38.0	15.8	16.3	10.0	5.5	15.5	15.9	10.1	5.6
40.0	14.5	15.0	9.8	5.3	14.2	14.7	9.9	5.4
42.0	13.3	13.8	9.6	5.2	13.0	13.5	9.7	5.3
44.0	12.2	12.7	9.4	5.1	11.9	12.4	9.5	5.1
46.0	11.2	11.7	9.2	4.9	10.9	11.4	9.3	5.0
48.0	10.3	10.8	9.0	4.8	10.0	10.5	9.1	4.9
50.0	9.5	10.0	8.8	4.7	9.2	9.7	8.9	4.8
52.0	8.8	9.2	8.6	4.6	8.5	8.9	8.7	4.7
54.0	8.1	8.5	8.4	4.5	7.8	8.2	8.5	4.5
56.0	7.4	7.9	8.3	4.4	7.1	7.6	8.2	4.4
58.0	6.9	7.3	7.8	4.3	6.5	7.0	7.6	4.4
60.0	6.3	6.7	7.3	4.2	6.0	6.4	7.0	4.3
62.0	5.8	6.2	6.8	4.1	5.5	5.9	6.5	4.2
64.0	5.3	5.7	6.3	4.0	5.0	5.4	6.0	4.1
66.0	4.9	5.3	5.8	4.0	4.6	5.0	5.5	4.0
68.0	4.5	4.9	5.4	3.9	4.1	4.5	5.1	3.9
70.0	4.1	4.5	5.0	3.8	3.7	4.1	4.7	3.9
72.0	3.7	4.1	4.6	3.8	3.4	3.8	4.3	3.8
74.0	3.4	3.7	4.3	3.7	3.0	3.4	4.0	3.7
76.0	3.0	3.4	3.9	3.6	2.7	3.1	3.6	3.7
78.0	76.7m/2.9	3.1	3.6	3.6	2.4	2.8	3.3	3.5
80.0		2.8	3.3	3.4	79.4m/2.2	2.5	3.0	3.3
82.0		2.5	3.0	3.3		2.2	2.7	3.0
84.0		82.5m/2.5	2.7	3.0		1.9	2.4	2.7
86.0			2.5	2.7		85.1m/1.8	2.2	2.5
88.0			2.2	2.4			1.9	2.2
90.0			88.2m/2.2	2.1			1.7	2.0
92.0				1.9			90.8m/1.5	1.7
94.0				93.9m/1.8				1.6
96.0								1.4
98.0								96.6m/1.3
Reeves	2	2	1	1	2	2	1	1

Working Radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
12.2 m jib length with offset angle 10 degrees, one part of line on hook is not allowed to use.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Fixed Jib Lifting Capacities (Without Main Hook Block)
(Jib Offset Angle : 30°)

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

Working Radius (m)	Boom length (m)	27.4				30.5				33.5				Boom length (m)	Working Radius (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)	
	14.0	14.1m/19.3				14.6m/19.3				15.2m/19.3				14.0	
	16.0	18.7				18.9				19.0				16.0	
	18.0	17.9	18.0m/13.5			18.3	18.6m/13.5			18.5	19.1m/13.5			18.0	
	20.0	16.8	13.5	21.9m/8.2		17.3	13.5			17.7	13.5			20.0	
	22.0	15.9	13.1	8.2		16.4	13.2	22.5m/8.2		16.8	13.4	23.0m/8.1		22.0	
	24.0	15.2	12.6	7.9	25.9m/4.4	15.6	12.9	8.0		16.0	13.0	8.0		24.0	
	26.0	14.5	12.0	7.6	4.4	14.9	12.3	7.7	26.4m/4.4	15.4	12.6	7.8	26.9m/4.4	26.0	
	28.0	13.9	11.4	7.4	4.2	14.4	11.7	7.5	4.3	14.8	12.0	7.6	4.3	28.0	
	30.0	13.4	10.9	7.2	4.1	13.8	11.2	7.3	4.1	14.2	11.5	7.3	4.2	30.0	
	32.0	13.0	10.4	7.0	3.9	13.4	10.7	7.1	4.0	13.8	11.0	7.2	4.0	32.0	
	34.0	12.7	10.0	6.8	3.8	13.0	10.3	6.9	3.9	13.4	10.6	7.0	3.9	34.0	
	36.0	12.5	9.7	6.6	3.7	12.7	10.0	6.7	3.8	13.0	10.3	6.8	3.8	36.0	
	38.0	37.9m/12.4	9.4	6.5	3.7	12.5	9.7	6.6	3.7	12.7	9.9	6.7	3.7	38.0	
	40.0		9.2	6.3	3.6	12.4	9.4	6.4	3.6	12.5	9.6	6.5	3.7	40.0	
	42.0		9.0	6.2	3.5	40.5m/12.4	9.2	6.3	3.5	12.4	9.4	6.4	3.6	42.0	
	44.0		44.0m/8.9	6.2	3.4		9.0	6.2	3.5	43.2m/12.4	9.2	6.3	3.5	44.0	
	46.0			6.1	3.3		8.9	6.1	3.4		9.0	6.2	3.4	46.0	
	48.0			6.1	3.3		46.6m/8.9	6.1	3.3		8.9	6.1	3.4	48.0	
	50.0			6.1	3.3			6.1	3.3		49.3m/8.9	6.1	3.3	50.0	
	52.0			50.1m/6.1	3.2			6.1	3.3			6.1	3.3	52.0	
	54.0				3.0			52.7m/6.1	3.2			6.1	3.3	54.0	
	56.0				2.9				3.0			55.4m/6.1	3.2	56.0	
	58.0				56.2m/2.8				2.9				3.0	58.0	
	60.0								58.8m/2.8				2.9	60.0	
	62.0												61.4m/2.7	62.0	
	Reeves	2	1	1	1	2	1	1	1	2	1	1	1	Reeves	

Working Radius (m)	Boom length (m)	36.6				39.6				42.7				Boom length (m)	Working Radius (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)	
	14.0	15.7m/19.3												14.0	
	16.0	19.2				16.2m/19.2				16.8m/19.2				16.0	
	18.0	18.7	19.6m/13.5			18.8				19.0				18.0	
	20.0	18.1	13.5			18.4	20.1m/13.5			18.6	20.7m/13.5			20.0	
	22.0	17.2	13.5	23.5m/8.1		17.5	13.5			17.9	13.5			22.0	
	24.0	16.4	13.1	8.1		16.8	13.2	24.1m/8.1		17.1	13.3	24.6m/8.1		24.0	
	26.0	15.7	12.8	7.9	27.5m/4.3	16.1	13.0	7.9		16.4	13.1	8.0		26.0	
	28.0	15.1	12.3	7.6	4.3	15.5	12.5	7.7	28.0m/4.4	15.8	12.8	7.8	28.5m/4.4	28.0	
	30.0	14.6	11.8	7.4	4.2	14.9	12.0	7.5	4.2	15.3	12.3	7.6	4.3	30.0	
	32.0	14.1	11.3	7.2	4.1	14.5	11.6	7.3	4.1	14.8	11.8	7.4	4.2	32.0	
	34.0	13.7	10.9	7.1	4.0	14.0	11.1	7.2	4.0	14.3	11.4	7.2	4.1	34.0	
	36.0	13.3	10.5	6.9	3.9	13.6	10.8	7.0	3.9	13.9	11.0	7.1	4.0	36.0	
	38.0	13.0	10.2	6.8	3.8	13.3	10.4	6.8	3.8	13.6	10.7	6.9	3.9	38.0	
	40.0	12.8	9.9	6.6	3.7	13.0	10.1	6.7	3.7	13.3	10.4	6.8	3.8	40.0	
	42.0	12.6	9.6	6.5	3.6	12.8	9.9	6.6	3.7	13.0	10.1	6.7	3.7	42.0	
	44.0	12.4	9.4	6.4	3.5	12.6	9.6	6.5	3.6	12.8	9.8	6.6	3.6	44.0	
	46.0	45.8m/12.4	9.2	6.3	3.5	12.4	9.4	6.4	3.5	12.6	9.6	6.4	3.6	46.0	
	48.0		9.1	6.2	3.4	12.4	9.2	6.3	3.5	12.4	9.4	6.4	3.5	48.0	
	50.0		8.9	6.1	3.4	48.4m/12.4	9.1	6.2	3.4	12.4	9.2	6.3	3.5	50.0	
	52.0		51.9m/8.9	6.1	3.3		9.0	6.1	3.4	51.1m/12.0	9.1	6.2	3.4	52.0	
	54.0			6.1	3.3		8.9	6.1	3.3		9.0	6.1	3.3	54.0	
	56.0			6.1	3.2		54.5m/8.9	6.1	3.3		8.9	6.1	3.3	56.0	
	58.0			58.0m/6.1	3.1			6.1	3.3		57.2m/8.9	6.1	3.3	58.0	
	60.0				3.0			6.1	3.2			6.1	3.2	60.0	
	62.0				2.9			60.6m/6.1	3.1			6.1	3.2	62.0	
	64.0				2.8				3.0			63.3m/6.1	3.2	64.0	
	66.0				64.1m/2.8				2.8				3.0	66.0	
	68.0								66.7m/2.7				2.9	68.0	
	70.0												69.4m/2.7	70.0	
	Reeves	2	1	1	1	2	1	1	1	2	1	1	1	Reeves	

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Fixed Jib Lifting Capacities (Without Main Hook Block) (Jib Offset Angle : 30°)

Counterweight: 90.4 t
Carbody Weight: 27.5 t
Unit: metric ton

Boom length (m)	45.7				48.8				51.8				Boom length (m)
Working Radius (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)
16.0	17.3m/19.2				17.8m/19.2								16.0
18.0	19.1				19.2				18.3m/19.2				18.0
20.0	18.7	21.2m/13.5			18.8	21.7m/13.5			18.9				20.0
22.0	18.2	13.5			18.4	13.5			18.5	22.3m/13.5			22.0
24.0	17.4	13.4	25.1m/8.1		17.7	13.5	25.6m/8.1		18.0	13.5			24.0
26.0	16.7	13.2	8.0		17.0	13.3	8.1		17.3	13.3	26.2m/8.1		26.0
28.0	16.1	12.9	7.8	29.0m/4.4	16.4	13.0	7.9	29.6m/4.2	16.7	13.1	7.9		28.0
30.0	15.6	12.5	7.6	4.3	15.9	12.7	7.7	4.2	16.2	12.9	7.8	30.1m/4.2	30.0
32.0	15.1	12.0	7.5	4.2	15.4	12.2	7.5	4.2	15.7	12.4	7.6	4.2	32.0
34.0	14.6	11.6	7.3	4.1	14.9	11.8	7.4	4.1	15.2	12.0	7.4	4.2	34.0
36.0	14.2	11.2	7.1	4.0	14.5	11.4	7.2	4.0	14.8	11.7	7.3	4.1	36.0
38.0	13.9	10.9	7.0	3.9	14.1	11.1	7.1	3.9	14.4	11.3	7.1	4.0	38.0
40.0	13.5	10.6	6.9	3.8	13.8	10.8	6.9	3.8	14.1	11.0	7.0	3.9	40.0
42.0	13.3	10.3	6.7	3.7	13.5	10.5	6.8	3.8	13.7	10.7	6.9	3.8	42.0
44.0	13.0	10.0	6.6	3.7	13.2	10.2	6.7	3.7	13.5	10.4	6.8	3.7	44.0
46.0	12.8	9.8	6.5	3.6	13.0	10.0	6.6	3.6	13.2	10.2	6.7	3.7	46.0
48.0	12.6	9.6	6.4	3.5	12.8	9.8	6.5	3.6	12.5	10.0	6.6	3.6	48.0
50.0	12.1	9.4	6.3	3.5	11.9	9.6	6.4	3.5	11.7	9.7	6.5	3.5	50.0
52.0	11.3	9.2	6.3	3.4	11.2	9.4	6.3	3.4	10.9	9.5	6.4	3.5	52.0
54.0	53.7m/10.7	9.1	6.2	3.4	10.4	9.2	6.2	3.4	10.2	9.4	6.3	3.4	54.0
56.0		9.0	6.1	3.3	9.8	9.1	6.2	3.4	9.5	9.2	6.2	3.4	56.0
58.0		8.9	6.1	3.3	56.4m/9.7	9.0	6.1	3.3	8.9	9.1	6.2	3.4	58.0
60.0		59.8m/8.9	6.1	3.3		8.9	6.1	3.3	59.0m/8.6	9.0	6.1	3.3	60.0
62.0			6.1	3.3		8.6	6.1	3.3		8.4	6.1	3.3	62.0
64.0			6.1	3.2		62.5m/8.5	6.1	3.2		7.9	6.0	3.3	64.0
66.0			65.9m/6.1	3.1			6.1	3.2		65.1m/7.6	6.0	3.2	66.0
68.0				3.0			6.1	3.1			6.0	3.2	68.0
70.0				2.9			68.6m/6.1	3.0			6.0	3.2	70.0
72.0				72.0m/2.8				2.9			71.2m/6.0	3.1	72.0
74.0								2.8				3.0	74.0
76.0								74.6m/2.7				2.8	76.0
78.0												77.3m/2.7	78.0
Reeves	2	1	1	1	2	1	1	1	2	1	1	1	Reeves

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Fixed Jib Lifting Capacities (Without Main Hook Block) (Jib Offset Angle : 30°)

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

Working Radius (m)	Boom length (m)	54.9				57.9				61.0				Boom length (m)	Working Radius (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	18.9m/19.2				19.4m/19.2				19.9m/19.2				18.0	
	20.0	19.0				19.1				19.2				20.0	
	22.0	18.6	22.8m/13.5			18.7	23.3m/13.5			18.8	23.8m/13.5			22.0	
	24.0	18.2	13.5			18.4	13.5			18.5	13.5			24.0	
	26.0	17.6	13.4	26.7m/8.1		17.8	13.5	27.2m/8.1		18.1	13.5	27.8m/8.1		26.0	
	28.0	17.0	13.2	8.0		17.2	13.3	8.0		17.5	13.3	8.1		28.0	
	30.0	16.4	12.9	7.8	30.6m/4.3	16.7	13.0	7.9	31.2m/4.3	16.9	13.1	7.9	31.7m/4.3	30.0	
	32.0	15.9	12.6	7.6	4.3	16.2	12.8	7.7	4.3	16.4	12.9	7.7	4.3	32.0	
	34.0	15.5	12.2	7.5	4.2	15.7	12.4	7.5	4.2	16.0	12.6	7.6	4.2	34.0	
	36.0	15.1	11.8	7.3	4.1	15.3	12.0	7.4	4.1	15.5	12.2	7.4	4.1	36.0	
	38.0	14.7	11.5	7.2	4.0	14.9	11.7	7.3	4.0	15.1	11.9	7.3	4.0	38.0	
	40.0	14.3	11.2	7.1	3.9	14.5	11.4	7.1	3.9	14.8	11.5	7.2	4.0	40.0	
	42.0	14.0	10.9	6.9	3.8	14.2	11.1	7.0	3.9	14.4	11.2	7.1	3.9	42.0	
	44.0	13.7	10.6	6.8	3.8	13.9	10.8	6.9	3.8	13.7	11.0	7.0	3.8	44.0	
	46.0	13.2	10.4	6.7	3.7	12.9	10.5	6.8	3.7	12.7	10.7	6.8	3.8	46.0	
	48.0	12.2	10.1	6.6	3.7	12.0	10.3	6.7	3.7	11.8	10.5	6.7	3.7	48.0	
	50.0	11.4	9.9	6.5	3.6	11.1	10.1	6.6	3.6	11.0	10.2	6.6	3.6	50.0	
	52.0	10.6	9.7	6.4	3.5	10.3	9.9	6.5	3.5	10.2	10.0	6.6	3.6	52.0	
	54.0	9.9	9.5	6.4	3.5	9.6	9.7	6.4	3.5	9.5	9.8	6.5	3.5	54.0	
	56.0	9.2	9.4	6.3	3.4	9.0	9.5	6.3	3.5	8.8	9.6	6.4	3.5	56.0	
	58.0	8.6	9.2	6.2	3.4	8.3	9.1	6.3	3.4	8.2	8.9	6.3	3.4	58.0	
	60.0	8.1	8.7	6.2	3.3	7.7	8.5	6.2	3.4	7.6	8.3	6.3	3.4	60.0	
	62.0	61.6m/7.6	8.2	6.1	3.3	7.2	7.9	6.2	3.3	7.1	7.8	6.2	3.3	62.0	
	64.0		7.7	6.1	3.3	6.7	7.4	6.1	3.3	6.6	7.3	6.2	3.3	64.0	
	66.0		7.2	6.0	3.2	64.3m/6.7	6.9	6.1	3.3	6.1	6.8	6.1	3.3	66.0	
	68.0		67.7m/6.8	6.0	3.2		6.4	6.0	3.3	66.9m/5.9	6.3	6.1	3.3	68.0	
	70.0			6.0	3.2		6.0	6.0	3.2		5.9	6.0	3.2	70.0	
	72.0			6.0	3.2		70.4m/5.9	6.0	3.2		5.5	5.9	3.2	72.0	
	74.0			73.8m/6.0	3.1			5.7	3.1		73.0m/5.3	5.5	3.2	74.0	
	76.0				3.0			5.3	3.0			5.1	3.2	76.0	
	78.0				2.9			76.5m/5.2	2.9			4.8	3.1	78.0	
	80.0				79.9m/2.8				2.9			79.1m/4.6	3.0	80.0	
	82.0								2.8				2.9	82.0	
	84.0								82.6m/2.7				2.8	84.0	
	86.0												85.2m/2.7	86.0	
	Reeves	2	1	1	1	2	1	1	1	2	1	1	1	Reeves	

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Fixed Jib Lifting Capacities (Without Main Hook Block) (Jib Offset Angle : 30°)

Counterweight: 90.4 t
Carbody Weight: 27.5 t
Unit: metric ton

Boom length (m)	64.0				67.1				70.1				Boom length (m)
Working Radius (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)
20.0	20.5m/19.2				21.0m/19.1				21.5m/19.1				20.0
22.0	18.9				19.0				19.1				22.0
24.0	18.6	24.4m/13.5			18.7	24.9m/13.5			18.8	25.4m/13.5			24.0
26.0	18.3	13.5			18.4	13.5			18.5	13.5			26.0
28.0	17.7	13.4	28.3m/8.1		17.9	13.5	28.8m/8.1		18.1	13.5	29.4m/8.1		28.0
30.0	17.2	13.2	7.9		17.4	13.3	8.0		17.6	13.3	8.0		30.0
32.0	16.7	13.0	7.8	32.2m/4.3	16.9	13.0	7.8	32.7m/4.2	17.1	13.1	7.9	33.3m/4.3	32.0
34.0	16.2	12.8	7.6	4.2	16.4	12.9	7.7	4.2	16.6	12.9	7.7	4.3	34.0
36.0	15.8	12.4	7.5	4.2	16.0	12.5	7.5	4.2	16.2	12.7	7.6	4.2	36.0
38.0	15.4	12.0	7.4	4.1	15.6	12.2	7.4	4.1	15.8	12.4	7.5	4.1	38.0
40.0	15.0	11.7	7.2	4.0	15.2	11.9	7.3	4.0	15.3	12.0	7.3	4.0	40.0
42.0	14.6	11.4	7.1	3.9	14.3	11.6	7.2	3.9	14.0	11.7	7.2	4.0	42.0
44.0	13.5	11.1	7.0	3.9	13.2	11.3	7.1	3.9	12.9	11.4	7.1	3.9	44.0
46.0	12.4	10.9	6.9	3.8	12.2	11.0	7.0	3.8	11.9	11.2	7.0	3.8	46.0
48.0	11.5	10.6	6.8	3.7	11.3	10.8	6.9	3.7	11.0	10.9	6.9	3.8	48.0
50.0	10.7	10.4	6.7	3.7	10.4	10.6	6.8	3.7	10.1	10.7	6.8	3.7	50.0
52.0	9.9	10.2	6.6	3.6	9.6	10.4	6.7	3.6	9.3	10.2	6.7	3.7	52.0
54.0	9.2	10.0	6.5	3.6	8.9	9.8	6.6	3.6	8.6	9.5	6.6	3.6	54.0
56.0	8.5	9.3	6.5	3.5	8.3	9.1	6.5	3.5	7.9	8.8	6.6	3.5	56.0
58.0	7.9	8.7	6.4	3.4	7.6	8.4	6.4	3.5	7.3	8.2	6.5	3.5	58.0
60.0	7.3	8.1	6.3	3.4	7.1	7.8	6.4	3.4	6.7	7.6	6.4	3.5	60.0
62.0	6.8	7.5	6.3	3.4	6.5	7.3	6.3	3.4	6.2	7.0	6.3	3.4	62.0
64.0	6.3	7.0	6.2	3.4	6.0	6.8	6.2	3.4	5.7	6.5	6.3	3.4	64.0
66.0	5.8	6.5	6.1	3.3	5.6	6.3	6.2	3.3	5.3	6.0	6.2	3.4	66.0
68.0	5.4	6.0	6.1	3.3	5.1	5.8	6.1	3.3	4.8	5.5	6.1	3.3	68.0
70.0	69.6m/5.1	5.6	6.1	3.3	4.7	5.4	5.9	3.3	4.4	5.1	5.6	3.3	70.0
72.0		5.2	5.7	3.2	4.3	5.0	5.5	3.2	4.0	4.7	5.2	3.3	72.0
74.0		4.8	5.3	3.2	72.2m/4.3	4.6	5.1	3.2	3.7	4.3	4.8	3.3	74.0
76.0		75.7m/4.5	4.9	3.2		4.2	4.7	3.2	74.8m/3.5	3.9	4.4	3.2	76.0
78.0			4.6	3.2		3.9	4.3	3.2		3.6	4.1	3.2	78.0
80.0			4.2	3.1		78.3m/3.8	4.0	3.2		3.3	3.7	3.2	80.0
82.0			81.8m/3.9	3.0			3.7	3.2		80.9m/3.1	3.4	3.2	82.0
84.0				2.9			3.4	3.1			3.1	3.2	84.0
86.0				2.9			84.4m/3.3	3.0			2.8	3.0	86.0
88.0				87.8m/2.8				2.9			87.0m/2.6	2.8	88.0
90.0								2.8				2.7	90.0
92.0								90.5m/2.7				2.4	92.0
94.0												93.1m/2.2	94.0
Reeves	2	1	1	1	2	1	1	1	2	1	1	1	Reeves

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Fixed Jib Lifting Capacities (Without Main Hook Block) (Jib Offset Angle : 30°)

Counterweight: 90.4 t
Carbody Weight: 27.5 t
Unit: metric ton

Working Radius (m)	Boom length (m)	73.2				76.2								Boom length (m)	Working Radius (m)
	Jib length (m)	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5					Jib length (m)	
	22.0	22.0m/19.1				22.6m/19.1								22.0	
	24.0	18.8				18.9								24.0	
	26.0	18.6	26.0m/13.5			18.7	26.5m/13.5							26.0	
	28.0	18.3	13.5	29.9m/8.1		18.4	13.5							28.0	
	30.0	17.8	13.4	8.0		18.0	13.4	30.4m/8.0						30.0	
	32.0	17.3	13.2	7.9	33.8m/4.3	17.5	13.2	7.9						32.0	
	34.0	16.8	13.0	7.8	4.3	17.0	13.1	7.8	34.3m/4.3					34.0	
	36.0	16.4	12.8	7.6	4.2	16.6	12.9	7.7	4.2					36.0	
	38.0	16.0	12.5	7.5	4.1	16.2	12.7	7.5	4.2					38.0	
	40.0	15.1	12.2	7.4	4.1	14.9	12.3	7.4	4.1					40.0	
	42.0	13.9	11.9	7.3	4.0	13.6	12.0	7.3	4.0					42.0	
	44.0	12.8	11.6	7.2	3.9	12.5	11.7	7.2	3.9					44.0	
	46.0	11.7	11.3	7.1	3.8	11.5	11.5	7.1	3.9					46.0	
	48.0	10.8	11.1	7.0	3.8	10.5	11.2	7.0	3.8					48.0	
	50.0	10.0	10.9	6.9	3.7	9.7	10.6	6.9	3.8					50.0	
	52.0	9.2	10.1	6.8	3.7	8.9	9.8	6.8	3.7					52.0	
	54.0	8.5	9.3	6.7	3.6	8.2	9.1	6.7	3.7					54.0	
	56.0	7.8	8.6	6.6	3.6	7.5	8.4	6.7	3.6					56.0	
	58.0	7.2	8.0	6.5	3.5	6.9	7.7	6.6	3.5					58.0	
	60.0	6.6	7.4	6.5	3.5	6.3	7.1	6.5	3.5					60.0	
	62.0	6.1	6.9	6.4	3.4	5.8	6.6	6.4	3.5					62.0	
	64.0	5.6	6.3	6.3	3.4	5.3	6.1	6.4	3.4					64.0	
	66.0	5.1	5.8	6.3	3.4	4.8	5.6	6.1	3.4					66.0	
	68.0	4.7	5.4	5.9	3.3	4.3	5.1	5.7	3.3					68.0	
	70.0	4.2	5.0	5.5	3.3	3.9	4.7	5.2	3.3					70.0	
	72.0	3.8	4.5	5.1	3.3	3.5	4.3	4.8	3.3					72.0	
	74.0	3.4	4.2	4.7	3.3	3.2	3.9	4.4	3.3					74.0	
	76.0	3.1	3.8	4.3	3.2	2.8	3.5	4.0	3.3					76.0	
	78.0	77.5m/2.9	3.4	3.9	3.2	2.5	3.2	3.7	3.2					78.0	
	80.0		3.1	3.6	3.2	2.2	2.8	3.3	3.2					80.0	
	82.0		2.8	3.3	3.2	80.1m/2.2	2.5	3.0	3.2					82.0	
	84.0		83.6m/2.5	3.0	3.1		2.2	2.7	3.0					84.0	
	86.0			2.7	2.9		1.9	2.4	2.8					86.0	
	88.0			2.4	2.7		86.2m/1.9	2.1	2.6					88.0	
	90.0			89.7m/2.1	2.5			1.8	2.3					90.0	
	92.0				2.3			1.6	2.1					92.0	
	94.0				2.0			92.3m/1.5	1.8					94.0	
	96.0				95.8m/1.7				1.6					96.0	
	98.0								1.4					98.0	
	100.0								98.4m/1.3					100.0	
	Reeves	2	1	1	1	2	1	1	1					Reeves	

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

LIFTING CAPACITIES

Long Boom Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

Working radius (m) \ Boom length (m)	64.0	67.1	70.1	73.2	76.2	79.2	82.3	85.3	88.4	91.4	Jib length (m) \ Working radius (m)
12.0	12.8m/47.1	13.3m/46.1	13.8m/45.0								**12.0**
14.0	45.0	44.9	44.8	14.3m/44.2	14.9m/41.1	15.4m/36.2	15.9m/32.3				**14.0**
16.0	42.0	41.9	41.8	41.7	39.6	35.5	32.2	16.5m/27.0	17.0m/24.9	17.5m/21.3	**16.0**
18.0	39.4	39.3	39.2	39.1	37.2	33.2	30.1	27.0	24.0	20.9	**18.0**
20.0	37.2	37.1	37.0	36.9	35.1	31.3	28.3	25.3	22.4	19.5	**20.0**
22.0	35.2	35.1	35.0	34.9	33.3	29.6	26.7	23.9	21.1	18.3	**22.0**
24.0	33.4	33.3	33.2	33.1	31.7	28.0	25.2	22.6	19.9	17.3	**24.0**
26.0	31.5	31.3	31.2	30.9	30.2	26.7	24.0	21.4	18.9	16.3	**26.0**
28.0	28.5	28.3	28.1	27.9	27.8	25.5	22.8	20.4	18.0	15.5	**28.0**
30.0	25.9	25.7	25.6	25.4	25.3	24.4	21.8	19.5	17.1	14.8	**30.0**
32.0	23.7	23.5	23.4	23.1	23.0	22.9	20.9	18.6	16.4	14.1	**32.0**
34.0	21.8	21.6	21.5	21.2	21.1	21.0	20.1	17.9	15.7	13.6	**34.0**
36.0	20.1	19.9	19.8	19.5	19.4	19.3	19.2	17.2	15.1	13.0	**36.0**
38.0	18.7	18.4	18.3	18.1	18.0	17.9	17.8	16.6	14.6	12.6	**38.0**
40.0	17.3	17.1	17.0	16.7	16.6	16.5	16.4	16.1	14.1	12.1	**40.0**
42.0	16.2	15.9	15.8	15.5	15.4	15.3	15.2	15.1	13.6	11.7	**42.0**
44.0	15.1	14.8	14.7	14.5	14.4	14.3	14.2	14.1	13.2	11.4	**44.0**
46.0	14.1	13.9	13.7	13.5	13.4	13.3	13.2	13.1	12.8	11.0	**46.0**
48.0	13.3	13.0	12.9	12.6	12.5	12.4	12.3	12.2	12.3	10.7	**48.0**
50.0	12.5	12.2	12.1	11.8	11.7	11.6	11.5	11.4	11.3	10.5	**50.0**
52.0	11.7	11.5	11.3	11.1	11.0	10.9	10.8	10.7	10.6	10.2	**52.0**
54.0	11.1	10.8	10.7	10.4	10.3	10.2	10.1	10.0	9.9	9.8	**54.0**
56.0	10.4	10.2	10.0	9.8	9.7	9.6	9.5	9.4	9.3	9.2	**56.0**
58.0	56.9m/10.2	9.6	9.5	9.2	9.1	9.0	8.9	8.8	8.7	8.6	**58.0**
60.0		59.6m/9.2	8.9	8.7	8.6	8.5	8.4	8.3	8.2	8.1	**60.0**
62.0			8.5	8.2	8.1	8.0	7.9	7.8	7.7	7.6	**62.0**
64.0			62.2m/8.4	7.7	7.6	7.5	7.4	7.3	7.2	7.1	**64.0**
66.0				64.9m/7.6	7.2	7.1	7.0	6.9	6.8	6.7	**66.0**
68.0					67.5m/6.9	6.8	6.7	6.6	6.5	6.4	**68.0**
70.0						6.4	6.3	6.2	6.1	5.9	**70.0**
72.0						70.2m/6.3	6.0	5.9	5.8	5.7	**72.0**
74.0							72.8m/5.9	5.6	5.5	5.4	**74.0**
76.0								75.4m/5.4	5.3	5.1	**76.0**
78.0									78.0m/4.9	4.8	**78.0**
80.0										4.5	**80.0**
82.0										80.7m/4.4	**82.0**
Reeves	4	4	4	4	4	3	3	2	2	2	**Reeves**

Note: Ratings according to EN13000.
Ratings shown in ☐ are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Boom Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

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	Boom length (m) \ Working radius (m)
5.0	5.4m/150.0	5.9m/143.6									**5.0**
6.0	150.0	143.6	6.4m/143.8								**6.0**
7.0	150.0	143.6	143.8	7.0m/144.2	7.5m/144.6						**7.0**
8.0	144.9	143.6	143.8	144.0	143.8	8.0m/132.2	8.6m/116.0				**8.0**
9.0	129.2	128.9	128.8	128.4	128.2	123.8	114.6	9.1m/111.3	9.6m/100.0		**9.0**
10.0	116.5	116.2	116.0	115.7	114.0	111.8	109.7	107.7	98.5	10.1m/95.1	**10.0**
12.0	88.9	88.8	88.7	88.6	88.5	88.4	88.3	88.2	86.9	84.9	**12.0**
14.0	71.2	71.1	71.0	70.9	70.8	70.7	70.6	70.5	70.4	70.3	**14.0**
16.0	15.3m/61.6	59.2	59.1	59.0	58.9	58.8	58.7	58.6	58.5	58.4	**16.0**
18.0		17.9m/50.7	50.5	50.4	50.3	50.2	50.1	50.0	49.9	49.8	**18.0**
20.0			43.8	43.7	43.6	43.5	43.4	43.3	43.2	43.0	**20.0**
22.0			20.6m/42.2	38.4	38.3	38.2	38.1	38.0	37.9	37.6	**22.0**
24.0				23.2m/35.7	34.1	33.9	33.8	33.7	33.6	33.3	**24.0**
26.0					25.8m/30.8	30.4	30.3	30.2	30.0	29.8	**26.0**
28.0						27.4	27.3	27.2	27.1	26.8	**28.0**
30.0						28.5m/26.8	24.9	24.8	24.6	24.3	**30.0**
32.0							31.1m/23.7	22.6	22.4	22.2	**32.0**
34.0								33.8m/21.0	20.6	20.3	**34.0**
36.0									18.9	18.6	**36.0**
38.0									36.4m/18.6	17.2	**38.0**
40.0										39.0m/16.5	**40.0**
Reeves	12	12	12	12	12	10	10	10	8	8	**Reeves**

Working radius (m) \ Boom length (m)	45.7	48.8	51.8	54.9	57.9	61.0	Boom length (m) \ Working radius (m)
10.0	10.7m/83.0	11.2m/81.0	11.7m/77.9				**10.0**
12.0	78.8	77.3	76.1	12.3m/73.2	12.8m/69.2	13.3m/65.2	**12.0**
14.0	70.2	68.7	64.9	63.8	63.0	62.0	**14.0**
16.0	58.3	58.2	58.0	56.8	54.8	54.0	**16.0**
18.0	49.7	49.6	49.5	49.3	48.9	47.9	**18.0**
20.0	42.9	42.8	42.7	42.5	42.4	42.2	**20.0**
22.0	37.5	37.4	37.3	37.1	37.0	36.9	**22.0**
24.0	33.2	33.1	33.0	32.8	32.7	32.5	**24.0**
26.0	29.7	29.6	29.5	29.2	29.1	29.0	**26.0**
28.0	26.7	26.6	26.5	26.3	26.2	26.0	**28.0**
30.0	24.2	24.1	24.0	23.7	23.6	23.4	**30.0**
32.0	22.1	21.9	21.8	21.5	21.4	21.3	**32.0**
34.0	20.2	20.0	19.9	19.6	19.5	19.4	**34.0**
36.0	18.5	18.4	18.3	18.0	17.9	17.7	**36.0**
38.0	17.1	16.9	16.8	16.5	16.4	16.2	**38.0**
40.0	15.9	15.6	15.5	15.2	15.1	14.9	**40.0**
42.0	41.7m/15.0	14.5	14.3	14.1	14.0	13.7	**42.0**
44.0		13.5	13.3	13.0	12.9	12.7	**44.0**
46.0		44.3m/13.3	12.4	12.1	12.0	11.7	**46.0**
48.0			47.0m/11.9	11.2	11.1	10.9	**48.0**
50.0				49.6m/10.6	10.4	10.1	**50.0**
52.0					9.7	9.4	**52.0**
54.0					52.2m/9.6	8.7	**54.0**
56.0						54.9m/8.4	**56.0**
Reeves	7	6	6	6	6	5	**Reeves**

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

SUPPLEMENTAL DATA

- Ratings according to EN13000.
- Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
- 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.
  The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
- Ratings are for operation on a firm and level surface, up to 1 % gradient.
- At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
- Boom and jib inserts and guy lines must be arranged as shown in the "operator's manual".
- Boom hoist reeving is 16 part line.
- Jib hoist reeving is 10 part line.
- Gantry must be in raised position for all conditions.
- Boom and jib backstops are required for all boom and jib combinations.
- Ratings inside of boxes ☐ are limited by strength of materials.
- The boom should be erected over the front of the crawlers, not laterally.
- When erecting and lowering the boom length of 54.9 m or over, the blocks for erection must be placed at the end of the crawlers.
- The minimum rated load is 2.5 (ton).
- All ratings shown is calculated in the condition equipped with the auxiliary sheave frame.

(Luffing boom lifting with luffing jib)

- The total load that can be lifted is the value for weight of main hook block, slings, and all other load handling accessories deducted from luffing boom with luffing jib rating shown.

(Luffing jib lifting)

- The total load that can be lifted is the value for weight of jib hook block, slings, and all other load handling accessories deducted from luffing jib ratings shown.

1. Availability of luffing boom and jib combinations.

		Jib Length (m)													
		21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	57.9	61.0
Boom Length (m)	21.3	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	24.4	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	27.4	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	30.5	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	33.5	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	36.6	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	39.6	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	42.7	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	45.7	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	48.8	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	51.8	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	54.9	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	57.9	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	61.0	×	×	×	○	○	○	○	○	○	○	○	○	○	○

○: Combinations which is allowed. ×: Combinations which is not allowed.

2. Maximum hoist load for number of reeving parts of line for hoist rope.

For Main Boom Hook

No. of Parts of Line	1	2	3	4	5
Maximum Loads (kN)	132	265	397	530	662
Maximum Loads (t)	13.5	27.0	40.5	54.0	67.5

No. of Parts of Line	6	7	8	10
Maximum Loads (kN)	794	927	1,059	1,226
Maximum Loads (t)	81.0	94.5	108.0	125.0

For Jib Hook

No. of Parts of Line	1	2	3	4	5	6
Maximum Loads (kN)	132	265	397	530	662	785
Maximum Loads (t)	13.5	27.0	40.5	54.0	67.5	80.0

For Auxiliary Sheave

No. of Parts of Line	1
Maximum Loads (kN)	132
Maximum Loads (t)	13.5

Weight of hook block						
Hook Block	250 t	150 t	100 t	70 t	35 t	Ball Hook
Weight (t)	4.2	2.3	1.8	1.2	0.9	0.45

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

Luffing Boom Lifting Capacities With Luffing Jib

(Attached at 23 degree boom to luffing jib offset angle)

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

21.3m Boom Length

Working radius (m)	Boom length (m) / Jib length (m)	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	57.9	61.0
	6.4	125.0	122.6	120.0	119.0	117.9	116.1	114.1	111.9	108.9	107.5	106.0	103.6	100.3	97.2
	7.0	125.0	122.6	120.0	119.0	117.9	116.1	114.1	111.9	108.9	107.5	106.0	103.6	100.3	97.2
	8.0	125.0	122.6	120.0	119.0	117.9	116.1	114.1	111.9	108.9	107.5	106.0	103.6	100.3	97.2
	9.0	111.7	109.6	107.4	106.6	105.8	104.3	102.7	101.0	98.5	97.3	96.1	94.2	91.6	89.1
	10.0	99.3	97.3	95.3	94.5	93.7	92.3	90.7	89.1	86.8	85.7	84.5	82.7	80.3	77.9
	12.0	72.6	70.8	68.9	68.2	67.5	66.2	64.8	63.3	61.2	61.2	59.1	57.4	55.2	53.0
	14.0	55.3	53.6	51.9	51.3	50.7	49.4	48.0	46.7	44.8	44.7	42.7	41.2	39.1	37.2
	16.0	43.9	42.3	40.7	40.1	39.5	38.3	37.0	35.7	33.9	33.8	32.0	30.5	28.6	26.8
	18.0	35.7	34.2	32.7	32.2	31.6	30.4	29.1	28.0	26.3	26.1	24.4	23.0	21.2	19.5
	Reeves	10	10	10	10	10	10	10	10	10	8	8	8	8	8

24.4m Boom Length

Working radius (m)	Boom length (m) / Jib length (m)	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	57.9	61.0
	7.0	125.0	123.9	121.5	120.6	119.6	118.0	116.2	114.3	111.5	110.2	108.9	106.7	103.7	100.9
	8.0	125.0	123.9	121.5	120.6	119.6	118.0	116.2	114.3	111.5	110.2	108.9	106.7	103.7	100.9
	9.0	111.6	109.5	107.4	106.7	105.9	104.5	103.0	101.3	99.0	97.9	96.7	94.8	92.3	89.9
	10.0	99.3	97.3	95.4	94.7	93.9	92.6	91.1	89.6	87.4	86.3	85.2	83.5	81.1	78.8
	12.0	72.7	71.0	69.2	68.6	67.9	66.7	65.3	63.9	61.9	60.9	59.9	58.3	56.2	54.2
	14.0	55.5	53.8	52.2	51.6	51.0	49.8	48.6	47.3	45.4	45.4	43.5	42.1	40.1	38.2
	16.0	44.0	42.4	40.9	40.4	39.8	38.7	37.4	36.2	34.5	34.5	32.7	31.3	29.5	27.7
	18.0	35.7	34.2	32.8	32.3	31.8	30.7	29.5	28.4	26.7	26.7	25.0	23.7	21.9	20.3
	20.0	29.3	28.0	26.6	26.1	25.6	24.6	23.4	22.3	20.8	20.7	19.1	17.9	16.2	14.6
	Reeves	10	10	10	10	10	10	10	10	10	10	10	8	8	8

27.4m Boom Length

Working radius (m)	Boom length (m) / Jib length (m)	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	57.9	61.0
	8.0	125.0	124.6	123.8	123.0	120.8	119.3	117.8	116.0	113.6	112.5	111.3	109.3	106.7	104.2
	9.0	111.6	109.6	108.9	108.1	106.1	104.7	103.3	101.7	99.4	98.3	97.2	95.5	93.0	90.7
	10.0	97.8	95.9	95.2	94.5	92.6	91.3	89.9	88.5	86.3	85.3	84.3	82.6	80.3	78.1
	12.0	72.8	71.1	70.5	69.9	68.2	67.0	65.7	64.4	62.4	61.5	60.6	59.1	57.0	55.0
	14.0	55.6	54.0	53.5	52.9	51.3	50.2	49.0	47.7	45.9	45.1	44.2	42.8	40.9	39.1
	16.0	44.0	42.5	42.0	41.5	40.0	38.9	37.8	36.7	35.0	34.2	33.3	32.0	30.2	28.5
	18.0	35.7	34.3	33.9	33.4	31.9	30.9	29.8	28.7	27.1	26.3	25.5	24.3	22.6	21.0
	20.0	29.3	28.0	27.6	27.1	25.7	24.7	23.7	22.6	21.1	21.1	19.5	18.4	16.8	15.2
	22.0	24.3	23.0	22.6	22.2	20.9	19.9	18.9	17.9	16.4	16.4	14.9	13.8	12.3	10.8
	Reeves	10	10	10	10	10	10	10	10	10	10	10	10	8	8

30.5m Boom Length

Working radius (m)	Boom length (m) / Jib length (m)	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	57.9	61.0
	8.0	115.2	115.3	113.4	111.6	110.0	108.0	106.5	104.9	102.5	101.4	100.2	98.4	95.8	93.4
	9.0	107.3	107.4	105.6	103.9	102.5	100.7	99.3	97.7	95.5	94.5	93.4	91.7	89.3	87.1
	10.0	95.7	95.8	94.1	92.5	91.2	89.4	88.1	86.7	84.6	83.7	82.7	81.0	78.8	76.7
	12.0	72.9	73.0	71.5	70.0	68.8	67.2	66.0	64.7	62.8	62.0	61.1	59.6	57.6	55.7
	14.0	55.6	55.8	54.3	53.0	51.8	50.4	49.3	48.1	46.3	45.5	44.7	43.3	41.5	39.7
	16.0	44.0	44.2	42.8	41.6	40.5	39.1	38.1	37.0	35.3	34.5	33.7	32.5	30.7	29.1
	18.0	35.7	35.9	34.6	33.4	32.4	31.1	30.1	29.0	27.5	27.5	25.9	24.8	23.1	21.6
	20.0	29.3	29.5	28.2	27.1	26.1	24.9	23.9	22.9	21.4	21.4	19.9	18.8	17.2	15.8
	22.0	24.2	24.4	23.2	22.2	21.1	20.0	19.0	18.1	16.7	16.7	15.2	14.2	12.6	11.2
	24.0	20.2	20.4	19.2	18.2	17.2	16.1	15.1	14.2	12.9	12.9	11.5	10.5	9.0	7.7
	Reeves	10	10	10	10	10	10	8	8	8	8	8	8	8	7

33.5m Boom Length

Working radius (m)	Boom length (m) / Jib length (m)	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	57.9	61.0
	9.0	100.1	98.4	96.6	95.4	93.5	91.7	90.4	88.9	86.7	85.7	84.7	83.0	80.7	78.5
	10.0	95.5	93.9	92.2	91.1	89.3	87.6	86.4	85.0	82.9	82.0	81.1	79.5	77.3	75.2
	12.0	74.6	73.1	71.5	70.6	68.9	67.4	66.3	65.0	63.2	62.4	61.5	60.1	58.1	56.3
	14.0	57.2	55.8	54.4	53.5	52.0	50.6	49.5	48.3	46.6	45.9	45.1	43.8	42.0	40.3
	16.0	45.6	44.2	42.9	42.0	40.6	39.3	38.3	37.2	35.6	34.9	34.1	32.9	31.2	29.6
	18.0	37.2	35.9	34.7	33.8	32.5	31.2	30.3	29.3	27.7	27.0	26.3	25.2	23.6	22.1
	20.0	30.7	29.5	28.3	27.5	26.2	25.0	24.1	23.1	21.6	21.0	20.3	19.2	17.6	16.2
	22.0	25.6	24.4	23.2	22.5	21.2	20.1	19.2	18.3	16.9	16.9	15.5	14.5	13.0	11.7
	24.0	21.4	20.3	19.2	18.4	17.3	16.2	15.3	14.4	13.1	13.1	11.7	10.7	9.3	8.0
	26.0	18.1	17.0	16.0	15.2	14.1	13.0	12.1	11.3	10.0	10.0	8.7	7.8	6.4	
	Reeves	8	8	8	8	7	7	7	7	7	7	7	7	6	6

Note: Ratings according to EN13000.

Ratings shown in [ ] are determined by the strength of the boom or other structural components.

Lifting capacities may vary depending on hook used or with/without auxiliary sheave.

Please refer rated chart in operator's cabin.

LIFTING CAPACITIES

36.6m Boom Length

Boom length (m)	36.6														
Jib length (m)	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	57.9	61.0	Jib length (m)
10.0	93.5	91.9	90.7	89.2	87.5	85.8	84.6	83.2	81.2	80.3	79.4	77.9	75.8	73.8	10.0
12.0	74.5	73.0	71.9	70.6	69.0	67.5	66.4	65.2	63.4	62.6	61.8	60.4	58.5	56.7	12.0
14.0	57.1	55.8	54.7	53.5	52.0	50.7	49.7	48.5	46.9	46.2	45.4	44.1	42.3	40.7	14.0
16.0	45.5	44.2	43.2	42.1	40.7	39.4	38.5	37.4	35.8	35.1	34.4	33.2	31.6	30.0	16.0
18.0	37.1	35.9	35.0	33.9	32.5	31.3	30.4	29.4	27.9	27.3	26.6	25.5	23.9	22.4	18.0
20.0	30.6	29.4	28.5	27.5	26.2	25.1	24.2	23.2	21.8	21.2	20.5	19.5	18.0	16.6	20.0
22.0	25.5	24.3	23.5	22.5	21.2	20.1	19.3	18.4	17.0	16.4	15.7	14.7	13.3	12.0	22.0
24.0	21.3	20.2	19.4	18.4	17.3	16.2	15.3	14.5	13.2	12.6	11.9	11.0	9.6	8.3	24.0
26.0	18.0	16.9	16.1	15.2	14.0	13.0	12.2	11.3	10.1	9.5	8.9	7.9	6.6		26.0
28.0	15.1	14.1	13.3	12.4	11.3	10.3	9.5	8.7	7.5	7.5	6.3				28.0
30.0	12.9	11.9	11.1	10.2	9.2	8.2	7.4	6.6	5.5	5.5					30.0
Reeves	7	7	7	7	7	7	7	7	7	6	6	6	6	6	Reeves

Working radius (m)

39.6m Boom Length

Boom length (m)	39.6														
Jib length (m)	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	57.9	61.0	Jib length (m)
10.0	86.0	84.3	82.9	81.2	79.9	78.8	77.1	75.2	74.8	72.7	70.9	69.1	67.1	65.0	10.0
12.0	73.2	72.2	70.7	69.4	67.8	66.9	65.4	64.1	62.4	61.6	60.8	59.5	57.6	55.8	12.0
14.0	57.1	56.1	54.7	53.5	52.1	51.2	49.8	48.7	47.0	46.3	45.6	44.4	42.6	41.0	14.0
16.0	45.4	44.5	43.2	42.1	40.7	39.9	38.6	37.5	36.0	35.3	34.6	33.5	31.9	30.4	16.0
18.0	37.1	36.1	34.9	33.9	32.6	31.8	30.5	29.5	28.1	27.5	26.8	25.7	24.2	22.8	18.0
20.0	30.5	29.7	28.5	27.5	26.2	25.5	24.3	23.4	22.0	21.4	20.7	19.7	18.2	16.9	20.0
22.0	25.4	24.5	23.4	22.5	21.3	20.6	19.4	18.5	17.2	16.6	15.9	15.0	13.6	12.3	22.0
24.0	21.2	20.4	19.3	18.4	17.3	16.6	15.4	14.6	13.3	12.7	12.1	11.2	9.8	8.6	24.0
26.0	17.8	17.0	15.9	15.0	13.9	13.2	12.1	11.3	10.1	9.5	8.9	8.0	6.7		26.0
28.0	15.0	14.2	13.2	12.3	11.3	10.6	9.5	8.7	7.5	7.0	6.4	5.5			28.0
30.0	12.7	11.9	10.9	10.0	9.0	8.3	7.3	6.5	5.4	5.4					30.0
32.0	10.6	9.8	8.9	8.1	7.1	6.4	5.4								32.0
Reeves	7	7	7	7	6	6	6	6	6	6	6	6	5	5	Reeves

Working radius (m)

42.7m Boom Length

Boom length (m)	42.7														
Jib length (m)	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	57.9	61.0	Jib length (m)
12.0	71.6	70.2	68.8	67.5	66.5	65.1	63.5	62.3	60.6	59.9	59.1	57.7	55.9	54.2	12.0
14.0	57.3	56.0	54.7	53.5	52.6	51.3	49.8	48.7	47.1	46.5	45.8	44.5	42.9	41.3	14.0
16.0	45.7	44.4	43.2	42.1	41.2	40.0	38.6	37.6	36.1	35.5	34.8	33.7	32.1	30.6	16.0
18.0	37.2	36.1	34.9	33.8	33.0	31.9	30.6	29.6	28.2	27.6	27.0	25.9	24.4	23.0	18.0
20.0	30.6	29.5	28.4	27.4	26.5	25.4	24.2	23.3	22.0	21.4	20.8	19.8	18.3	17.0	20.0
22.0	25.3	24.3	23.2	22.2	21.4	20.4	19.2	18.3	17.0	16.5	15.9	14.9	13.6	12.3	22.0
24.0	21.2	20.1	19.1	18.2	17.4	16.4	15.2	14.4	13.2	12.6	12.0	11.1	9.8	8.6	24.0
26.0	17.8	16.8	15.8	14.9	14.1	13.1	12.0	11.2	10.0	9.5	8.9	8.0	6.8		26.0
28.0	14.9	13.9	12.9	12.1	11.3	10.4	9.3	8.5	7.4	6.9	6.3	5.4			28.0
30.0	12.5	11.6	10.6	9.8	9.0	8.1	7.1	6.3	5.2	5.2					30.0
32.0	10.5	9.6	8.7	7.8	7.1	6.2	5.2								32.0
34.0	8.7	7.8	6.9	6.1	5.4										34.0
Reeves	6	6	6	6	5	5	5	5	5	5	5	5	5	5	Reeves

Working radius (m)

45.7m Boom Length

Boom length (m)	45.7														
Jib length (m)	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	57.9	61.0	Jib length (m)
12.0	65.5	64.2	63.4	62.0	60.9	59.3	57.8	56.4	55.8	54.1	53.2	51.9	50.1	48.4	12.0
14.0	57.3	56.0	54.7	54.0	52.6	51.3	49.9	48.8	47.2	46.6	45.9	44.7	43.1	41.5	14.0
16.0	45.6	44.4	43.2	42.5	41.2	40.0	38.7	37.7	36.2	35.6	35.0	33.9	32.3	30.9	16.0
18.0	37.2	36.0	34.9	34.2	33.0	31.9	30.6	29.7	28.3	27.7	27.1	26.1	24.6	23.2	18.0
20.0	30.5	29.4	28.3	27.7	26.5	25.5	24.3	23.4	22.1	21.5	20.9	19.9	18.5	17.2	20.0
22.0	25.3	24.2	23.2	22.5	21.4	20.4	19.3	18.4	17.1	16.6	16.0	15.1	13.7	12.5	22.0
24.0	21.1	20.1	19.0	18.5	17.4	16.4	15.3	14.5	13.2	12.7	12.2	11.3	10.0	8.8	24.0
26.0	17.7	16.7	15.7	15.1	14.1	13.1	12.1	11.3	10.1	9.6	9.0	8.2	6.9		26.0
28.0	14.8	13.9	12.9	12.3	11.3	10.4	9.3	8.6	7.4	6.9	6.4	5.5			28.0
30.0	12.4	11.5	10.5	10.0	9.0	8.1	7.1	6.3	5.2	5.2					30.0
32.0	10.4	9.5	8.6	8.0	7.0	6.2	5.2								32.0
34.0	8.6	7.7	6.8	6.3	5.3										34.0
36.0	7.0	6.2	5.3												36.0
Reeves	5	5	5	5	5	5	5	5	5	5	4	4	4	4	Reeves

Working radius (m)

48.8m Boom Length

Boom length (m)	48.8														
Jib length (m)	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	57.9	61.0	Jib length (m)
12.0	65.4	64.4	63.2	61.7	60.8	59.2	57.8	56.1	55.8	54.0	52.5	50.6	49.3	47.3	12.0
14.0	55.8	54.5	53.6	52.5	51.2	49.9	48.5	47.4	46.8	46.2	44.6	43.4	41.8	40.3	14.0
16.0	45.5	44.3	43.5	42.4	41.2	40.0	38.7	37.7	37.2	36.6	35.1	34.0	32.4	31.0	16.0
18.0	37.1	35.9	35.2	34.2	33.0	31.9	30.6	29.7	29.2	28.6	27.2	26.2	24.7	23.4	18.0
20.0	30.4	29.4	28.6	27.7	26.5	25.5	24.3	23.4	22.9	22.4	21.0	20.0	18.7	17.4	20.0
22.0	25.2	24.1	23.4	22.5	21.4	20.4	19.3	18.4	17.9	17.4	16.1	15.2	13.9	12.6	22.0
24.0	21.0	20.0	19.3	18.4	17.3	16.4	15.3	14.5	14.5	13.5	12.2	11.3	10.1	8.9	24.0
26.0	17.6	16.6	15.9	15.1	14.0	13.1	12.1	11.3	11.3	10.3	9.1	8.2	7.0		26.0
28.0	14.7	13.7	13.1	12.2	11.2	10.3	9.3	8.6	8.6	7.6	6.4	5.6			28.0
30.0	12.3	11.4	10.7	9.9	8.9	8.0	7.0	6.3	6.3	5.4					30.0
32.0	10.2	9.3	8.6	7.8	6.9	6.0	5.1								32.0
34.0	8.4	7.5	6.8	6.1	5.1										34.0
36.0	6.9	6.0	5.4												36.0
38.0	5.5														38.0
Reeves	5	5	5	5	5	5	5	5	5	5	4	4	4	4	Reeves

Working radius (m)

Note: Ratings according to EN13000.

Ratings shown in [ ] are determined by the strength of the boom or other structural components.

Lifting capacities may vary depending on hook used or with/without auxiliary sheave.

Please refer rated chart in operator's cabin.

51.8m Boom Length

Boom length (m)	51.8														Boom length (m)
Jib length (m)	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	57.9	61.0	Jib length (m)
12.0	65.7	64.3	63.1	61.7	60.7	59.1	57.7	56.9	55.8	54.1	52.5	50.7	49.4	47.5	12.0
14.0	52.0	51.1	49.9	48.8	47.4	46.2	44.8	44.7	43.9	42.6	41.0	39.8	38.2	36.7	14.0
16.0	45.3	44.5	43.3	42.3	41.0	39.9	38.6	38.5	37.7	36.5	35.0	34.0	32.5	31.0	16.0
18.0	37.0	36.2	35.1	34.1	32.9	31.9	30.6	30.5	29.8	28.7	27.3	26.3	24.8	23.5	18.0
20.0	30.3	29.6	28.6	27.6	26.5	25.4	24.3	24.2	23.5	22.4	21.1	20.1	18.8	17.5	20.0
22.0	25.1	24.4	23.3	22.4	21.4	20.4	19.2	19.2	18.5	17.4	16.2	15.3	14.0	12.8	22.0
24.0	20.9	20.2	19.2	18.3	17.3	16.3	15.3	15.2	14.5	13.5	12.3	11.4	10.2	9.0	24.0
26.0	17.5	16.8	15.9	15.0	14.0	13.1	12.0	12.0	11.3	10.3	9.2	8.3	7.1	6.0	26.0
28.0	14.6	13.9	13.0	12.2	11.2	10.3	9.3	9.2	8.6	7.6	6.5	5.7			28.0
30.0	12.2	11.5	10.6	9.8	8.9	8.0	7.0	7.0	6.3	5.4					30.0
32.0	10.1	9.4	8.5	7.8	6.8	6.0	5.0	5.0							32.0
34.0	8.3	7.6	6.8	6.0	5.1										34.0
36.0	6.8	6.1	5.3												36.0
38.0	5.4														38.0
Reeves	5	5	5	5	5	5	5	5	5	5	4	4	4	4	Reeves

Working radius (m)

54.9m Boom Length

Boom length (m)	54.9														Boom length (m)
Jib length (m)	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	57.9	61.0	Jib length (m)
14.0	51.2	50.0	48.8	47.7	46.4	45.2	44.6	43.6	42.9	41.6	40.0	38.9	37.3	35.8	14.0
16.0	44.4	43.3	42.2	41.1	39.9	38.8	38.3	37.3	36.6	35.4	34.0	32.9	31.4	30.0	16.0
18.0	37.1	51.2	34.9	34.0	32.8	31.7	31.3	30.4	29.7	28.6	27.2	26.2	24.8	23.5	18.0
20.0	30.4	29.4	28.4	27.4	26.3	25.3	24.9	24.1	23.4	22.3	21.0	20.1	18.7	17.5	20.0
22.0	25.2	24.2	23.2	22.3	21.2	20.2	19.8	19.0	18.4	17.4	16.1	15.2	13.9	12.7	22.0
24.0	21.0	20.0	19.0	18.2	17.1	16.2	15.8	15.0	14.4	13.4	12.2	11.4	10.1	9.0	24.0
26.0	17.5	16.5	15.6	14.7	13.7	12.8	12.5	11.7	11.1	10.2	9.0	8.2	7.0	5.9	26.0
28.0	14.6	13.7	12.8	12.0	11.0	10.1	9.8	9.1	8.5	7.5	6.4	5.6			28.0
30.0	12.1	11.2	10.3	9.5	8.6	7.7	7.4	6.7	6.1	5.2					30.0
32.0	10.0	9.1	8.2	7.5	6.5	5.7	5.4								32.0
34.0	8.2	7.3	6.4	5.7											34.0
36.0	6.6	5.8	4.9												36.0
38.0	5.2														38.0
Reeves	4	4	4	4	4	4	4	4	4	4	3	3	3	3	Reeves

Working radius (m)

57.9m Boom Length

Boom length (m)	57.9														Boom length (m)
Jib length (m)	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	57.9	61.0	Jib length (m)
14.0	50.4	49.2	48.0	46.9	45.7	45.2	43.9	42.9	42.2	40.9	39.4	38.2	36.6	35.2	14.0
16.0	42.5	41.3	40.2	39.2	37.9	37.6	36.3	35.4	34.8	33.6	32.1	31.1	29.6	28.2	16.0
18.0	36.7	35.7	34.6	33.6	32.4	32.1	30.9	30.1	29.5	28.3	27.0	26.0	24.6	23.3	18.0
20.0	30.4	29.3	28.3	27.4	26.3	26.0	24.8	24.0	23.4	22.4	21.1	20.1	18.8	17.6	20.0
22.0	25.1	24.1	23.1	22.2	21.1	20.8	19.8	19.0	18.4	17.4	16.1	15.3	14.0	12.8	22.0
24.0	20.9	19.9	19.0	18.1	17.1	16.8	15.8	15.0	14.5	13.5	12.3	11.4	10.2	9.1	24.0
26.0	17.4	16.4	15.5	14.7	13.7	13.4	12.4	11.7	11.1	10.2	9.0	8.2	7.0	5.9	26.0
28.0	14.6	13.6	12.7	11.9	11.0	10.7	9.7	9.1	8.5	7.6	6.4	5.6			28.0
30.0	12.0	11.1	10.3	9.5	8.5	8.3	7.3	6.7	6.1	5.2					30.0
32.0	9.9	9.0	8.2	7.4	6.5	6.2	5.3								32.0
34.0	8.1	7.2	6.4	5.6											34.0
36.0	6.5	5.7	4.9												36.0
38.0	5.1														38.0
Reeves	4	4	4	4	4	4	4	4	4	4	3	3	3	3	Reeves

Working radius (m)

61.0m Boom Length

Boom length (m)	61.0														Boom length (m)
Jib length (m)	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	57.9	61.0				Jib length (m)
14.0	46.2	46.1	44.7	43.6	42.1	41.3	40.0	38.5	37.3	35.8	34.3				14.0
16.0	38.4	37.9	36.8	35.6	34.7	34.0	32.8	31.4	30.4	28.9	27.6				16.0
18.0	32.6	32.1	31.1	30.0	29.1	28.5	27.4	26.1	25.1	23.7	22.4				18.0
20.0	27.2	26.7	25.8	24.7	23.9	23.3	22.2	20.9	20.0	18.7	17.5				20.0
22.0	22.1	21.7	20.8	19.7	18.9	18.4	17.4	16.1	15.3	14.0	12.9				22.0
24.0	17.9	17.5	16.6	15.6	14.9	14.3	13.3	12.1	11.3	10.1	9.0				24.0
26.0	14.6	14.2	13.3	12.3	11.6	11.1	10.2	9.0	8.2	7.0	6.0				26.0
28.0	11.7	11.4	10.5	9.6	8.9	8.3	7.4	6.3	5.5						28.0
30.0	9.3	8.9	8.1	7.2	6.5	6.0	5.1								30.0
32.0	7.3	6.9	6.1	5.2											32.0
34.0	5.5	5.2													34.0
Reeves	4	4	4	4	4	4	3	3	3	3	3				Reeves

Working radius (m)

Note: Ratings according to EN13000.

Ratings shown in [ ] are determined by the strength of the boom or other structural components.

Lifting capacities may vary depending on hook used or with/without auxiliary sheave.

Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

21.3m Boom Length

Boom length (m)	21.3																		Boom length (m)
Jib length (m)	21.3						24.4						27.4						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
Working radius (m) 9.8	80.0																		9.8
10.0	79.3																		10.0
12.0	72.2						70.0						70.0						12.0
14.0	65.1	65.7					64.6						64.7						14.0
16.0	58.0	58.7					58.6	58.6					58.6	58.6					16.0
18.0	50.9	54.2	53.5				52.5	54.0	53.4				52.9	53.5					18.0
20.0	43.8	47.6	46.7				46.5	47.6	46.6				47.2	47.5	46.4				20.0
22.0	36.7	42.1	41.4	40.6			41.1	42.1	41.2	40.5			41.5	42.0	41.1				22.0
24.0	27.9	37.8	37.1	36.3	35.6		34.2	37.8	36.9	36.3			36.9	37.7	36.8	36.1			24.0
26.0			33.5	32.9	32.2		27.7	34.2	33.4	32.8	32.1		31.7	34.1	33.3	32.7			26.0
28.0				30.0	29.4	28.8		29.1	30.5	29.9	29.2		26.6	31.1	30.3	29.8	29.1		28.0
30.0					27.0	26.5			27.9	27.5	26.8	26.4		27.8	27.8	27.3	26.7		30.0
32.0						24.4				25.3	24.8	24.3			25.7	25.2	24.6	24.2	32.0
34.0											23.0	22.6				23.4	22.8	22.4	34.0
36.0												21.0					21.3	20.9	36.0
38.0																		19.5	38.0
Reeves	6						6						6						Reeves

Working radius (m)

Boom length (m)	21.3												Boom length (m)
Jib length (m)	30.5						33.5						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
Working radius (m) 12.0	66.1												12.0
14.0	61.6						54.0						14.0
16.0	56.8						51.9						16.0
18.0	51.9	53.2					49.2	52.5					18.0
20.0	47.1	47.4					46.5	47.3					20.0
22.0	42.0	41.9	41.1				42.0	41.9	40.9				22.0
24.0	37.3	37.6	36.8				37.4	37.5	36.6				24.0
26.0	33.5	34.0	33.3	32.6			33.6	34.0	33.1				26.0
28.0	29.5	31.0	30.3	29.7			30.4	31.0	30.2	29.6			28.0
30.0	25.3	28.4	27.8	27.2	26.6		27.3	28.4	27.7	27.2			30.0
32.0	21.2	26.3	25.7	25.1	24.6		23.8	26.2	25.5	25.1	24.4		32.0
34.0		22.1	23.8	23.3	22.8	22.3	20.4	24.3	23.7	23.2	22.6		34.0
36.0			22.2	21.7	21.2	20.8		21.5	22.1	21.6	21.1	20.7	36.0
38.0				20.3	19.8	19.4			20.6	20.2	19.7	19.3	38.0
40.0					18.6	18.2				19.0	18.5	18.1	40.0
42.0						17.1					17.4	17.0	42.0
44.0												16.0	44.0
Reeves	5						4						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody aWeight: 27.5 t

Unit: metric ton

21.3m Boom Length

Boom length (m)	21.3																		Boom length (m)
Jib length (m)	36.6						39.6						42.7						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
14.0	47.7																		14.0
16.0	46.3						39.5						33.9						16.0
18.0	44.6						38.7						33.2						18.0
20.0	42.8	45.4					37.6	38.7					32.6						20.0
22.0	40.8	41.8					36.3	38.1					32.0	32.6					22.0
24.0	37.8	37.4	36.6				34.8	36.5					31.1	32.0					24.0
26.0	33.9	33.9	33.1				33.1	33.8	33.1				30.2	31.5	32.0				26.0
28.0	30.7	30.9	30.2	29.5			31.0	30.8	30.1				28.8	30.2	30.1				28.0
30.0	27.9	28.3	27.7	27.0			28.2	28.3	27.6	27.0			27.4	28.2	27.6				30.0
32.0	25.3	26.1	25.5	24.9			25.8	26.1	25.5	24.9			25.9	26.0	25.4	24.8			32.0
34.0	22.6	24.2	23.7	23.1	22.6		23.8	24.2	23.6	23.1			23.8	24.1	23.6	23.0			34.0
36.0	19.7	22.6	22.0	21.5	21.0		21.4	22.5	22.0	21.5	21.0		22.0	22.5	21.9	21.4	20.9		36.0
38.0	16.7	20.5	20.6	20.1	19.6	19.2	18.9	21.1	20.6	20.1	19.6		20.1	21.0	20.5	20.0	19.5		38.0
40.0		17.6	19.3	18.9	18.4	18.0	16.4	19.7	19.3	18.8	18.3	17.9	18.0	19.7	19.2	18.7	18.3		40.0
42.0			18.2	17.7	17.3	16.9		17.2	18.1	17.7	17.2	16.8	15.9	18.5	18.1	17.6	17.2	16.8	42.0
44.0				16.7	16.3	15.9			17.1	16.7	16.3	15.9	13.7	16.6	17.0	16.6	16.2	15.8	44.0
46.0					15.4	15.0				15.7	15.4	15.0		14.4	16.1	15.7	15.3	14.9	46.0
48.0											14.5	14.2			15.1	14.9	14.5	14.1	48.0
50.0												13.4				14.1	13.7	13.4	50.0
52.0																	13.1	12.7	52.0
Reeves	4						3						3						Reeves

Working radius (m)

Boom length (m)	21.3												Boom length (m)
Jib length (m)	45.7						48.8						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
16.0	29.4												16.0
18.0	28.7						24.4						18.0
20.0	28.1						23.8						20.0
22.0	27.5	28.1					23.3						22.0
24.0	27.0	27.5					22.8	23.3					24.0
26.0	26.5	27.0					22.4	22.8					26.0
28.0	25.9	26.6	27.0				21.9	22.4					28.0
30.0	24.7	25.9	26.6				20.9	22.0	22.4				30.0
32.0	23.5	24.7	25.3				19.9	20.9	22.0				32.0
34.0	22.4	23.5	23.4	22.9			18.9	19.9	20.9	22.0			34.0
36.0	21.4	22.3	21.8	21.3			18.1	19.0	19.9	20.9			36.0
38.0	20.3	20.9	20.4	19.8	19.4		17.3	18.1	19.0	19.8			38.0
40.0	18.9	19.6	19.1	18.6	18.1		16.5	17.3	18.1	18.6	18.1		40.0
42.0	16.9	18.4	17.9	17.5	17.0		15.9	16.6	17.3	17.5	17.0		42.0
44.0	15.1	17.3	16.9	16.5	16.0	15.6	14.9	15.9	16.6	16.4	16.0		44.0
46.0	13.3	15.8	16.0	15.5	15.1	14.8	14.0	15.3	15.9	15.5	15.1	14.7	46.0
48.0		14.0	15.1	14.7	14.3	14.0	13.0	14.8	15.1	14.7	14.3	13.9	48.0
50.0			14.3	14.0	13.6	13.2	11.2	13.6	14.3	13.9	13.6	13.2	50.0
52.0				13.3	12.9	12.6		11.9	13.6	13.2	12.9	12.5	52.0
54.0					12.3	12.0			12.5	12.6	12.2	11.9	54.0
56.0						11.4				12.0	11.7	11.3	56.0
58.0												10.8	58.0
Reeves	3						2						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody aWeight: 27.5 t

Unit: metric ton

21.3m Boom Length

Boom length (m)	21.3																		Boom length (m)
Jib length (m)	51.8						54.9						57.9						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	26.6																		18.0
20.0	26.0						23.4						20.9						20.0
22.0	24.9						22.7						20.4						22.0
24.0	23.8	24.3					21.7						19.5						24.0
26.0	22.7	23.2					20.6	21.3					18.5	19.2					26.0
28.0	21.6	22.1					19.4	20.2					17.5	18.2					28.0
30.0	20.4	21.1	21.6				18.4	19.1					16.6	17.2					30.0
32.0	19.2	20.0	20.6				17.4	18.1	18.7				15.8	16.3					32.0
34.0	18.2	18.9	19.5				16.5	17.1	17.7				15.0	15.5	16.1				34.0
36.0	17.2	17.9	18.6	19.1			15.6	16.2	16.8				14.2	14.7	15.3				36.0
38.0	16.3	17.0	17.6	18.1			14.9	15.4	16.0	16.5			13.5	14.0	14.5				38.0
40.0	15.3	16.0	16.6	17.2			14.1	14.7	15.2	15.7			12.9	13.4	13.8	14.3			40.0
42.0	14.3	15.0	15.7	16.3	16.8		13.4	14.0	14.5	15.0			12.3	12.7	13.2	13.6			42.0
44.0	13.4	14.1	14.8	15.4	15.8		12.8	13.3	13.8	14.3	14.7		11.7	12.2	12.6	13.0			44.0
46.0	12.5	13.2	13.9	14.6	14.9		12.2	12.7	13.2	13.6	14.1		11.2	11.6	12.0	12.4	12.8		46.0
48.0	11.6	12.3	13.1	13.7	14.1	13.7	11.6	12.1	12.6	13.0	13.4		10.7	11.1	11.5	11.9	12.3		48.0
50.0	10.7	11.5	12.2	12.9	13.3	12.9	11.1	11.5	12.0	12.4	12.8	12.9	10.2	10.6	11.0	11.4	11.7		50.0
52.0	9.7	10.6	11.4	12.0	12.6	12.3	10.3	11.0	11.4	11.9	12.3	12.2	9.8	10.2	10.5	10.9	11.2	11.6	52.0
54.0		9.7	10.5	11.2	11.9	11.7	9.5	10.3	10.9	11.4	11.7	11.6	9.3	9.7	10.1	10.4	10.8	11.1	54.0
56.0			9.6	10.4	11.1	11.1	8.6	9.5	10.2	10.8	11.2	11.0	8.9	9.3	9.7	10.0	10.3	10.6	56.0
58.0				9.6	10.3	10.6		8.6	9.4	10.1	10.7	10.5	8.2	8.9	9.3	9.6	9.9	10.2	58.0
60.0					9.5	10.1			8.6	9.4	10.0	10.0		8.2	8.8	9.2	9.5	9.8	60.0
62.0						9.3				8.6	9.3	9.6			8.1	8.8	9.1	9.4	62.0
64.0												9.1				8.1	8.7	9.0	64.0
66.0																	8.0	8.6	66.0
68.0																		8.0	68.0
Reeves	2						2						2						Reeves

Working radius (m)

Working radius (m)

Boom length (m)	21.3						Boom length (m)
Jib length (m)	61.0						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	Boom angle (deg)
20.0	18.4						20.0
22.0	18.3						22.0
24.0	17.6						24.0
26.0	16.7						26.0
28.0	15.8	16.4					28.0
30.0	15.0	15.6					30.0
32.0	14.3	14.8					32.0
34.0	13.6	14.0	14.5				34.0
36.0	12.9	13.4	13.8				36.0
38.0	12.3	12.7	13.2				38.0
40.0	11.7	12.2	12.6				40.0
42.0	11.2	11.6	12.0	12.4			42.0
44.0	10.7	11.1	11.5	11.8			44.0
46.0	10.3	10.6	11.0	11.3			46.0
48.0	9.8	10.2	10.5	10.8	11.2		48.0
50.0	9.4	9.7	10.1	10.4	10.7		50.0
52.0	9.0	9.3	9.7	10.0	10.3		52.0
54.0	8.6	9.0	9.3	9.6	9.9	10.1	54.0
56.0	8.3	8.6	8.9	9.2	9.5	9.7	56.0
58.0	7.9	8.2	8.5	8.8	9.1	9.4	58.0
60.0	7.6	7.9	8.2	8.5	8.7	9.0	60.0
62.0	7.0	7.5	7.9	8.1	8.4	8.7	62.0
64.0		7.0	7.5	7.8	8.1	8.3	64.0
66.0			7.0	7.5	7.8	8.0	66.0
68.0					7.5	7.7	68.0
70.0						7.4	70.0
Reeves	2						Reeves

Working radius (m)

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

24.4m Boom Length

Boom length (m)	24.4																		
Jib length (m)	21.3						24.4						27.4						
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
Working radius (m)																			Working radius (m)
10.0	76.3																		10.0
12.0	69.9						68.6						68.8						12.0
14.0	63.4	65.6					63.2						63.4						14.0
16.0	57.0	58.6					57.7	58.4					58.0	58.4					16.0
18.0	50.5	54.1	53.2				52.3	53.8					52.6	53.3					18.0
20.0	44.1	47.5	46.4				46.7	47.4	46.3				47.2	47.3	46.1				20.0
22.0	37.6	42.0	41.1	40.2			41.4	42.0	41.0				41.8	41.9	40.8				22.0
24.0	28.9	37.7	36.8	36.0			34.9	37.7	36.7	35.9			37.0	37.5	36.5				24.0
26.0		31.5	33.3	32.5	31.8		28.4	34.1	33.2	32.5			32.3	34.0	33.0	32.3			26.0
28.0			30.3	29.7	29.0	28.3		30.7	30.2	29.6	28.8		27.2	31.0	30.1	29.5			28.0
30.0				27.2	26.6	26.0			27.8	27.2	26.4	25.9	21.8	28.4	27.6	27.0	26.3		30.0
32.0					24.5	24.0				25.1	24.4	23.9		23.8	25.5	24.9	24.2	23.7	32.0
34.0						22.2					22.6	22.1			23.6	23.1	22.5	22.0	34.0
36.0												20.6				21.5	20.9	20.5	36.0
38.0																	19.6	19.1	38.0
40.0																		17.9	40.0
Reeves	6						6						6						Reeves

Boom length (m)	24.4												
Jib length (m)	30.5						33.5						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
Working radius (m)													Working radius (m)
12.0	66.3												12.0
14.0	61.5						54.0						14.0
16.0	56.7						52.0						16.0
18.0	51.8	53.0					49.3	52.4					18.0
20.0	47.0	47.2					46.7	47.2					20.0
22.0	42.2	41.8	40.8				42.4	41.8					22.0
24.0	37.5	37.5	36.5				37.6	37.4	36.4				24.0
26.0	33.6	33.9	33.0	32.2			33.7	33.8	32.9				26.0
28.0	30.1	30.9	30.1	29.3			30.5	30.9	30.0	29.3			28.0
30.0	25.9	28.3	27.6	26.9	26.2		27.7	28.3	27.5	26.9			30.0
32.0	21.7	26.2	25.5	24.8	24.2		24.3	26.1	25.3	24.8	24.0		32.0
34.0		23.2	23.6	23.0	22.4	21.9	20.9	24.2	23.5	23.0	22.3		34.0
36.0			22.0	21.4	20.9	20.3		22.4	21.9	21.4	20.7	20.2	36.0
38.0				20.0	19.5	19.0		18.8	20.5	20.0	19.4	18.9	38.0
40.0					18.3	17.8			19.2	18.7	18.1	17.7	40.0
42.0						16.8				17.6	17.1	16.7	42.0
44.0											16.1	15.7	44.0
46.0												14.8	46.0
Reeves	5						4						Reeves

Note: Ratings according to EN13000.

Ratings shown in [ ] are determined by the strength of the boom or other structural components.

Lifting capacities may vary depending on hook used or with/without auxiliary sheave.

Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

24.4m Boom Length

Boom length (m)	24.4																		Boom length (m)
Jib length (m)	36.6						39.6						42.7						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
14.0	47.7																		14.0
16.0	46.3						39.6						33.9						16.0
18.0	44.7						38.7						33.2						18.0
20.0	43.0	45.7					37.5	38.8					32.6						20.0
22.0	41.0	41.7					36.4	38.2					32.0	32.7					22.0
24.0	38.0	37.3	36.4				34.8	36.8					31.1	32.1					24.0
26.0	34.1	33.7	32.9				33.1	33.7	32.8				30.2	31.6					26.0
28.0	30.8	30.8	29.9				31.2	30.7	29.9				28.8	30.4	29.9				28.0
30.0	28.0	28.2	27.5	26.7			28.3	28.2	27.4				27.5	28.1	27.4				30.0
32.0	25.6	26.0	25.3	24.6			25.9	26.0	25.3	24.6			26.0	26.0	25.2	24.5			32.0
34.0	23.0	24.1	23.5	22.8	22.2		23.8	24.1	23.4	22.8			23.9	24.1	23.4	22.7			34.0
36.0	20.1	22.5	21.9	21.3	20.7		21.7	22.4	21.8	21.2	20.6		22.1	22.4	21.8	21.2			36.0
38.0	17.2	21.0	20.4	19.9	19.3	18.8	19.2	21.0	20.4	19.8	19.3		20.5	20.9	20.3	19.8	19.2		38.0
40.0		18.4	19.2	18.6	18.1	17.6	16.8	19.7	19.1	18.6	18.0	17.5	18.3	19.6	19.1	18.5	18.0		40.0
42.0			18.0	17.5	17.0	16.5		17.9	18.0	17.5	17.0	16.5	16.2	18.5	17.9	17.4	16.9	16.4	42.0
44.0				16.5	16.0	15.6			16.9	16.5	16.0	15.5	14.0	17.2	16.9	16.4	15.9	15.4	44.0
46.0					15.2	14.7			16.0	15.5	15.1	14.7		15.0	16.0	15.5	15.0	14.6	46.0
48.0						13.9				14.7	14.3	13.9			15.1	14.7	14.2	13.8	48.0
50.0											13.5	13.1				13.9	13.5	13.1	50.0
52.0												12.5					12.8	12.4	52.0
54.0																		11.8	54.0
Reeves	4						3						3						Reeves

Working radius (m)

Boom length (m)	24.4												Boom length (m)
Jib length (m)	45.7						48.8						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
16.0	29.4												16.0
18.0	28.7						24.4						18.0
20.0	28.1						23.9						20.0
22.0	27.5	28.2					23.3						22.0
24.0	27.0	27.6					22.8	23.4					24.0
26.0	26.5	27.1					22.4	22.9					26.0
28.0	25.9	26.6	27.2				22.0	22.4					28.0
30.0	24.7	26.0	26.7				21.0	22.0	22.5				30.0
32.0	23.5	24.8	25.1				19.9	21.1	22.1				32.0
34.0	22.4	23.7	23.2	22.6			19.0	20.1	21.3				34.0
36.0	21.4	22.3	21.6	21.0			18.1	19.1	20.2	21.0			36.0
38.0	20.4	20.8	20.2	19.6			17.3	18.2	19.2	19.6			38.0
40.0	19.0	19.5	18.9	18.4	17.8		16.6	17.4	18.3	18.3			40.0
42.0	17.2	18.3	17.8	17.2	16.7		15.9	16.7	17.5	17.2	16.7		42.0
44.0	15.4	17.3	16.7	16.2	15.8	15.3	14.9	16.0	16.7	16.2	15.7		44.0
46.0	13.6	16.3	15.8	15.3	14.9	14.4	14.1	15.4	15.8	15.3	14.9	14.4	46.0
48.0		14.5	15.0	14.5	14.1	13.6	13.3	14.8	15.0	14.5	14.0	13.6	48.0
50.0			14.2	13.8	13.3	12.9	11.5	14.1	14.2	13.7	13.3	12.9	50.0
52.0			13.4	13.1	12.7	12.3		12.4	13.5	13.0	12.6	12.2	52.0
54.0				12.4	12.0	11.7			12.8	12.4	12.0	11.6	54.0
56.0					11.5	11.1				11.8	11.4	11.1	56.0
58.0						10.6					10.9	10.6	58.0
60.0												10.1	60.0
Reeves	3						2						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

24.4m Boom Length

Boom length (m)	24.4																		Boom length (m)
Jib length (m)	51.8						54.9						57.9						Jib length (m)
Working radius (m) / Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	26.2																		18.0
20.0	25.8						23.1						20.7						20.0
22.0	24.7						22.5						20.3						22.0
24.0	23.6						21.6						19.4						24.0
26.0	22.5	23.0					20.5	21.2					18.4						26.0
28.0	21.4	21.9					19.4	20.1					17.5	18.1					28.0
30.0	20.3	20.9					18.3	19.0					16.5	17.2					30.0
32.0	19.2	19.8	20.3				17.3	18.0	18.7				15.7	16.3					32.0
34.0	18.2	18.8	19.3				16.4	17.1	17.7				14.9	15.5	16.0				34.0
36.0	17.2	17.8	18.4				15.6	16.2	16.8				14.2	14.7	15.2				36.0
38.0	16.2	16.8	17.4	17.9			14.8	15.4	15.9	16.5			13.5	14.0	14.5				38.0
40.0	15.3	15.9	16.5	17.0			14.1	14.6	15.2	15.7			12.9	13.3	13.8	14.2			40.0
42.0	14.3	15.0	15.6	16.1			13.4	13.9	14.4	14.9			12.3	12.7	13.2	13.6			42.0
44.0	13.4	14.1	14.7	15.3	15.5		12.8	13.3	13.8	14.2	14.7		11.7	12.1	12.6	13.0			44.0
46.0	12.5	13.2	13.9	14.4	14.6		12.2	12.7	13.1	13.6	14.0		11.2	11.6	12.0	12.4	12.8		46.0
48.0	11.6	12.4	13.0	13.6	13.8	13.3	11.6	12.1	12.6	13.0	13.4		10.7	11.1	11.5	11.9	12.2		48.0
50.0	10.8	11.5	12.2	12.8	13.1	12.6	11.1	11.6	12.0	12.4	12.8	12.6	10.3	10.6	11.0	11.4	11.7		50.0
52.0	9.9	10.7	11.4	12.0	12.4	12.0	10.4	11.0	11.5	11.9	12.3	11.9	9.8	10.2	10.5	10.9	11.2	11.5	52.0
54.0		9.8	10.6	11.3	11.8	11.4	9.6	10.3	11.0	11.4	11.7	11.3	9.4	9.8	10.1	10.4	10.8	11.1	54.0
56.0			9.8	10.5	11.1	10.8	8.8	9.6	10.3	10.8	11.1	10.7	9.0	9.3	9.7	10.0	10.3	10.6	56.0
58.0				9.7	10.4	10.3		8.8	9.5	10.1	10.6	10.2	8.3	8.9	9.3	9.6	9.9	10.1	58.0
60.0				8.9	9.6	9.8			8.8	9.4	10.0	9.7		8.3	8.9	9.2	9.5	9.6	60.0
62.0					8.8	9.4				8.7	9.3	9.3			8.2	8.8	9.1	9.2	62.0
64.0						8.7					8.6	8.9				8.2	8.7	8.7	64.0
66.0												8.5					8.1	8.4	66.0
68.0																		8.0	68.0
Reeves	2						2						2						Reeves

Boom length (m)	24.4						Boom length (m)
Jib length (m)	61.0						Jib length (m)
Working radius (m) / Boom angle (deg)	88	83	78	73	68	63	Boom angle (deg)
20.0	18.4						20.0
22.0	18.3						22.0
24.0	17.5						24.0
26.0	16.6						26.0
28.0	15.8	16.4					28.0
30.0	14.9	15.5					30.0
32.0	14.2	14.7					32.0
34.0	13.5	14.0					34.0
36.0	12.9	13.3	13.8				36.0
38.0	12.3	12.7	13.1				38.0
40.0	11.7	12.1	12.5				40.0
42.0	11.2	11.6	12.0	12.3			42.0
44.0	10.7	11.1	11.4	11.8			44.0
46.0	10.2	10.6	10.9	11.3			46.0
48.0	9.8	10.1	10.5	10.8	11.1		48.0
50.0	9.4	9.7	10.0	10.4	10.7		50.0
52.0	9.0	9.3	9.6	9.9	10.2		52.0
54.0	8.6	9.0	9.3	9.5	9.8	10.1	54.0
56.0	8.3	8.6	8.9	9.2	9.4	9.7	56.0
58.0	7.9	8.2	8.5	8.8	9.1	9.3	58.0
60.0	7.6	7.9	8.2	8.5	8.7	9.0	60.0
62.0	7.2	7.6	7.9	8.1	8.4	8.6	62.0
64.0		7.2	7.6	7.8	8.1	8.3	64.0
66.0			7.2	7.5	7.8	8.0	66.0
68.0				7.1	7.5	7.7	68.0
70.0					7.1	7.4	70.0
72.0						7.0	72.0
Reeves	2						Reeves

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

27.4m Boom Length

Boom length (m)	27.4																		Boom length (m)
Jib length (m)	21.3						24.4						27.4						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
10.0	73.4																		10.0
12.0	67.6						67.3						67.5						12.0
14.0	61.7	65.4					62.1						62.4						14.0
16.0	55.9	58.4					57.0	58.3					57.3	58.3					16.0
18.0	50.1	53.9	52.8				51.9	53.7					52.2	53.2					18.0
20.0	44.2	47.3	46.1				46.7	47.3	45.9				47.1	47.2					20.0
22.0	38.4	41.9	40.8	39.7			41.6	41.9	40.7				42.0	41.7	40.5				22.0
24.0	29.7	37.5	36.6	35.6			35.5	37.5	36.4	35.5			37.2	37.4	36.3				24.0
26.0		33.5	33.1	32.2	31.4		29.1	33.9	32.9	32.1			32.8	33.8	32.8	32.0			26.0
28.0			30.1	29.4	28.6			30.9	30.0	29.3	28.4		27.7	30.8	29.9	29.1			28.0
30.0				26.9	26.2	25.5			27.5	26.9	26.0		22.3	28.3	27.4	26.7	25.9		30.0
32.0					24.2	23.5			25.4	24.8	24.0	23.4		25.1	25.3	24.7	23.8		32.0
34.0						21.8				23.0	22.3	21.7			23.5	22.9	22.1	21.5	34.0
36.0											20.7	20.2				21.3	20.6	20.1	36.0
38.0												18.9					19.2	18.7	38.0
40.0																		17.6	40.0
Reeves	6						5						5						Reeves

Working radius (m)

Boom length (m)	27.4												Boom length (m)
Jib length (m)	30.5						33.5						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
12.0	65.0												12.0
14.0	61.6						54.0						14.0
16.0	56.8						52.1						16.0
18.0	52.1	53.0					49.4	52.2					18.0
20.0	47.3	47.2					46.8	47.0					20.0
22.0	42.5	41.8	40.5				42.6	41.6					22.0
24.0	37.7	37.4	36.3				37.8	37.3	36.1				24.0
26.0	33.8	33.8	32.8				33.9	33.7	32.6				26.0
28.0	30.5	30.9	29.9	29.1			30.6	30.7	29.7				28.0
30.0	26.3	28.3	27.4	26.7			27.8	28.2	27.3	26.5			30.0
32.0	22.1	26.1	25.3	24.6	23.8		24.6	26.0	25.1	24.5			32.0
34.0		24.2	23.5	22.8	22.1		21.2	24.1	23.3	22.7	21.9		34.0
36.0			21.8	21.3	20.5	20.0	17.6	22.5	21.7	21.1	20.4		36.0
38.0				19.9	19.2	18.7		19.7	20.3	19.7	19.0	18.5	38.0
40.0				18.6	18.0	17.5			19.0	18.5	17.8	17.4	40.0
42.0					16.9	16.5				17.4	16.8	16.3	42.0
44.0						15.5					15.8	15.4	44.0
46.0												14.5	46.0
Reeves	5						4						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

27.4m Boom Length

Boom length (m)	27.4																		
Jib length (m)	36.6						39.6						42.7						
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
14.0	47.7																		14.0
16.0	46.4						39.5						34.0						16.0
18.0	44.8						38.6						33.1						18.0
20.0	43.1	46.1					37.5						32.3						20.0
22.0	41.2	41.5					36.3	38.3					31.5	32.8					22.0
24.0	38.2	37.2					34.8	37.0					30.7	32.2					24.0
26.0	34.2	33.6	32.6				33.2	33.6	32.6				29.9	31.7					26.0
28.0	30.9	30.6	29.7				31.3	30.6	29.7				28.7	30.6	29.6				28.0
30.0	28.1	28.1	27.2	26.4			28.5	28.1	27.2				27.3	28.0	27.2				30.0
32.0	25.7	25.9	25.1	24.3			26.0	25.9	25.1	24.3			26.1	25.8	25.0				32.0
34.0	23.3	24.0	23.3	22.6			23.9	24.0	23.3	22.5			24.0	24.0	23.2	22.5			34.0
36.0	20.4	22.4	21.7	21.0	20.3		22.0	22.3	21.6	21.0			22.1	22.3	21.6	20.9			36.0
38.0	17.5	20.9	20.3	19.6	19.0		19.5	20.9	20.2	19.6	18.9		20.5	20.8	20.2	19.5			38.0
40.0		19.1	19.0	18.4	17.8	17.2	17.1	19.6	19.0	18.3	17.7		18.6	19.5	18.9	18.3	17.7		40.0
42.0			17.9	17.3	16.7	16.2		18.4	17.8	17.2	16.7	16.1	16.4	18.4	17.8	17.2	16.6		42.0
44.0				16.3	15.8	15.2		15.9	16.8	16.2	15.7	15.2	14.3	17.3	16.7	16.2	15.6	15.1	44.0
46.0				15.4	14.9	14.4			15.9	15.3	14.8	14.3		15.6	15.8	15.3	14.8	14.3	46.0
48.0					14.1	13.6				14.5	14.0	13.6			15.0	14.5	14.0	13.5	48.0
50.0						12.9					13.3	12.8				13.7	13.2	12.8	50.0
52.0												12.2				13.0	12.6	12.1	52.0
54.0																	12.0	11.5	54.0
56.0																		11.0	56.0
Reeves	4						3						3						Reeves

Working radius (m)

Boom length (m)	27.4												
Jib length (m)	45.7						48.8						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	28.7						24.5						18.0
20.0	28.1						23.9						20.0
22.0	27.5						23.3						22.0
24.0	27.0	27.7					22.8	23.5					24.0
26.0	26.5	27.2					22.4	23.0					26.0
28.0	25.9	26.7					22.0	22.5					28.0
30.0	24.7	26.2	26.8				21.0	22.1	22.6				30.0
32.0	23.5	25.0	24.9				20.0	21.3	22.2				32.0
34.0	22.4	23.8	23.0				19.0	20.2	21.6				34.0
36.0	21.4	22.2	21.4	20.7			18.1	19.3	20.5	20.7			36.0
38.0	20.4	20.7	20.0	19.3			17.3	18.4	19.5	19.3			38.0
40.0	19.0	19.4	18.7	18.1	17.5		16.6	17.6	18.6	18.1			40.0
42.0	17.5	18.2	17.6	17.0	16.4		15.9	16.8	17.6	17.0	16.4		42.0
44.0	15.6	17.2	16.6	16.0	15.5		14.9	16.1	16.6	16.0	15.5		44.0
46.0	13.8	16.2	15.7	15.1	14.6	14.1	14.1	15.5	15.7	15.1	14.6		46.0
48.0		15.0	14.8	14.3	13.8	13.3	13.5	14.9	14.8	14.3	13.8	13.3	48.0
50.0		13.0	14.1	13.6	13.1	12.6	11.8	14.4	14.1	13.5	13.1	12.6	50.0
52.0			13.4	12.9	12.4	12.0		12.9	13.3	12.9	12.4	11.9	52.0
54.0				12.3	11.8	11.4			12.7	12.2	11.8	11.3	54.0
56.0					11.3	10.8				11.6	11.2	10.8	56.0
58.0						10.3					10.7	10.3	58.0
60.0											10.2	9.8	60.0
62.0												9.4	62.0
Reeves	3						2						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

27.4m Boom Length

Boom length (m)	27.4																		Boom length (m)
Jib length (m)	51.8						54.9						57.9						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	25.7																		18.0
20.0	25.4						22.7						20.4						20.0
22.0	24.5						22.4						20.1						22.0
24.0	23.5						21.5						19.3						24.0
26.0	22.4	22.8					20.4	21.1					18.4						26.0
28.0	21.3	21.7					19.3	20.1					17.4	18.1					28.0
30.0	20.2	20.7					18.2	19.0					16.5	17.1					30.0
32.0	19.1	19.7	20.1				17.3	18.0					15.6	16.2					32.0
34.0	18.1	18.7	19.2				16.4	17.0	17.7				14.9	15.4	16.0				34.0
36.0	17.1	17.7	18.2				15.6	16.2	16.8				14.1	14.7	15.2				36.0
38.0	16.2	16.8	17.3	17.7			14.8	15.4	15.9				13.5	14.0	14.5				38.0
40.0	15.2	15.8	16.4	16.8			14.1	14.6	15.2	15.7			12.8	13.3	13.8				40.0
42.0	14.3	14.9	15.5	16.0			13.4	13.9	14.4	14.9			12.3	12.7	13.1	13.6			42.0
44.0	13.4	14.1	14.6	15.1	15.2		12.8	13.3	13.8	14.2			11.7	12.1	12.5	13.0			44.0
46.0	12.5	13.2	13.8	14.3	14.3		12.2	12.7	13.1	13.6	14.0		11.2	11.6	12.0	12.4			46.0
48.0	11.7	12.4	13.0	13.5	13.5		11.7	12.1	12.6	13.0	13.4		10.7	11.1	11.5	11.8	12.2		48.0
50.0	10.8	11.6	12.2	12.8	12.8	12.3	11.1	11.6	12.0	12.4	12.7		10.3	10.6	11.0	11.3	11.7		50.0
52.0	10.0	10.8	11.4	12.0	12.1	11.7	10.5	11.1	11.5	11.9	12.1	11.6	9.8	10.2	10.5	10.9	11.2		52.0
54.0		9.9	10.7	11.3	11.5	11.1	9.7	10.4	11.0	11.4	11.5	11.0	9.4	9.8	10.1	10.4	10.7	10.8	54.0
56.0		9.1	9.9	10.5	11.0	10.5	8.9	9.6	10.3	10.8	10.9	10.5	9.0	9.4	9.7	10.0	10.3	10.3	56.0
58.0			9.1	9.8	10.4	10.0		8.9	9.6	10.1	10.4	10.0	8.4	9.0	9.3	9.6	9.9	9.8	58.0
60.0				9.0	9.7	9.6			8.9	9.5	9.9	9.5		8.4	8.9	9.2	9.5	9.3	60.0
62.0					9.0	9.1				8.8	9.4	9.0		7.6	8.3	8.8	9.1	8.9	62.0
64.0						8.7					8.7	8.6			7.6	8.2	8.7	8.5	64.0
66.0											8.0	8.3				7.6	8.1	8.1	66.0
68.0												7.9					7.5	7.8	68.0
70.0																		7.4	70.0
Reeves	2						2						2						Reeves

Working radius (m)

Boom length (m)	27.4						Boom length (m)
Jib length (m)	61.0						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	Boom angle (deg)
22.0	18.1						22.0
24.0	17.4						24.0
26.0	16.6						26.0
28.0	15.7	16.3					28.0
30.0	14.9	15.5					30.0
32.0	14.1	14.7					32.0
34.0	13.5	14.0					34.0
36.0	12.8	13.3	13.8				36.0
38.0	12.2	12.7	13.1				38.0
40.0	11.7	12.1	12.5				40.0
42.0	11.2	11.5	11.9	12.3			42.0
44.0	10.7	11.0	11.4	11.8			44.0
46.0	10.2	10.6	10.9	11.3			46.0
48.0	9.8	10.1	10.5	10.8			48.0
50.0	9.4	9.7	10.0	10.3	10.6		50.0
52.0	9.0	9.3	9.6	9.9	10.2		52.0
54.0	8.6	8.9	9.2	9.5	9.8		54.0
56.0	8.3	8.6	8.9	9.1	9.4	9.7	56.0
58.0	8.0	8.3	8.5	8.8	9.0	9.3	58.0
60.0	7.6	7.9	8.2	8.5	8.7	8.9	60.0
62.0	7.3	7.6	7.9	8.1	8.4	8.6	62.0
64.0		7.3	7.6	7.8	8.1	8.3	64.0
66.0			7.2	7.5	7.8	8.0	66.0
68.0				7.2	7.5	7.6	68.0
70.0					7.1	7.3	70.0
72.0					6.5	7.0	72.0
74.0						6.5	74.0
Reeves	2						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

30.5m Boom Length

Boom length (m)	30.5																		Boom length (m)
Jib length (m)	21.3						24.4						27.4						Jib length (m)
Working radius (m) / Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
10.0	69.9																		10.0
12.0	66.6						66.2						65.5						12.0
14.0	61.1						61.3						60.8						14.0
16.0	55.6	58.3					56.5	58.1					56.2						16.0
18.0	50.1	53.8					51.6	53.5					51.5	53.1					18.0
20.0	44.6	47.2	45.8				46.8	47.1	45.6				46.9	47.1					20.0
22.0	39.1	41.8	40.5				41.9	41.7	40.3				42.2	41.7	40.2				22.0
24.0	30.5	37.5	36.3	35.3			36.1	37.4	36.1				37.4	37.4	36.0				24.0
26.0		33.9	32.8	31.9			29.6	33.8	32.7	31.7			33.2	33.8	32.5	31.7			26.0
28.0			29.9	29.1	28.1			30.8	29.8	28.9			28.1	30.8	29.6	28.9			28.0
30.0				26.7	25.8			26.7	27.3	26.5	25.6		22.8	28.3	27.2	26.5			30.0
32.0				24.6	23.8	23.1			25.2	24.5	23.6			26.1	25.1	24.4	23.4		32.0
34.0					22.0	21.4				22.7	21.9	21.2			23.2	22.6	21.7		34.0
36.0						19.9					20.4	19.8				21.1	20.2	19.7	36.0
38.0												18.5				19.7	18.9	18.4	38.0
40.0												17.3					17.7	17.2	40.0
42.0																		16.2	42.0
Reeves	6						5						5						Reeves

Working radius (m)

Boom length (m)	30.5												Boom length (m)
Jib length (m)	30.5						33.5						Jib length (m)
Working radius (m) / Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
14.0	60.6						54.0						14.0
16.0	56.1						52.3						16.0
18.0	51.7	52.8					49.5						18.0
20.0	47.2	47.0					47.0	46.7					20.0
22.0	42.7	41.6					42.7	41.5					22.0
24.0	37.9	37.3	36.0				38.0	37.1	35.8				24.0
26.0	33.9	33.7	32.5				34.0	33.6	32.3				26.0
28.0	30.6	30.7	29.6	28.7			30.7	30.6	29.5				28.0
30.0	26.6	28.2	27.2	26.4			27.9	28.1	27.0	26.2			30.0
32.0	22.5	26.0	25.1	24.3			24.9	25.9	24.9	24.1			32.0
34.0		24.1	23.2	22.5	21.7		21.6	24.0	23.1	22.4	21.5		34.0
36.0			21.6	21.0	20.2		18.0	22.4	21.5	20.8	20.0		36.0
38.0			20.2	19.6	18.8	18.3		20.5	20.1	19.5	18.6		38.0
40.0				18.4	17.7	17.1			18.8	18.2	17.5	16.9	40.0
42.0					16.6	16.1				17.1	16.4	15.9	42.0
44.0						15.2				16.2	15.5	15.0	44.0
46.0						14.3					14.6	14.1	46.0
48.0												13.4	48.0
Reeves	5						4						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

LIFTING CAPACITIES

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

30.5m Boom Length

Boom length (m)	30.5																		Boom length (m)
Jib length (m)	36.6						39.6						42.7						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
14.0	47.4																		14.0
16.0	46.4						39.5						34.0						16.0
18.0	44.8						38.7						33.0						18.0
20.0	43.1	46.4					37.5						32.1						20.0
22.0	41.2	41.4					36.4	38.4					31.1	32.8					22.0
24.0	38.3	37.0					34.9	37.0					30.1	32.3					24.0
26.0	34.4	33.5	32.3				33.2	33.5					29.1	31.7					26.0
28.0	31.1	30.5	29.4				31.4	30.5	29.4				28.2	30.4	29.4				28.0
30.0	28.2	28.0	27.0				28.6	28.0	27.0				27.2	27.9	26.9				30.0
32.0	25.8	25.8	24.9	24.0			26.1	25.8	24.9				26.2	25.7	24.8				32.0
34.0	23.6	23.9	23.1	22.2			24.0	23.9	23.0	22.2			24.1	23.9	23.0	22.1			34.0
36.0	20.7	22.3	21.5	20.7	19.9		22.1	22.2	21.4	20.7			22.2	22.2	21.4	20.6			36.0
38.0	17.8	20.8	20.1	19.3	18.6		19.8	20.8	20.0	19.3	18.6		20.6	20.7	20.0	19.2			38.0
40.0		19.5	18.8	18.1	17.4		17.3	19.5	18.8	18.1	17.4		18.8	19.4	18.7	18.0	17.3		40.0
42.0			17.7	17.0	16.4	15.8	14.7	18.3	17.6	17.0	16.3		16.7	18.3	17.6	16.9	16.3		42.0
44.0			16.7	16.0	15.4	14.8		16.6	16.6	16.0	15.4	14.8	14.5	17.2	16.6	15.9	15.3		44.0
46.0				15.2	14.6	14.0			15.7	15.1	14.5	14.0		16.1	15.7	15.1	14.5	13.9	46.0
48.0					13.8	13.3				14.3	13.7	13.2			14.8	14.2	13.7	13.1	48.0
50.0						12.6				13.6	13.0	12.5			14.1	13.5	13.0	12.4	50.0
52.0						11.9					12.4	11.9				12.8	12.3	11.8	52.0
54.0												11.3					11.7	11.2	54.0
56.0																		10.7	56.0
Reeves	4						3						3						Reeves

Working radius (m)

Boom length (m)	30.5												Boom length (m)
Jib length (m)	45.7						48.8						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	28.8						24.5						18.0
20.0	28.1						23.9						20.0
22.0	27.5						23.3						22.0
24.0	27.0	27.8					22.8	23.6					24.0
26.0	26.6	27.2					22.4	23.0					26.0
28.0	25.9	26.8					22.0	22.6					28.0
30.0	24.7	26.3	26.7				21.1	22.1					30.0
32.0	23.5	25.2	24.6				20.0	21.5	22.3				32.0
34.0	22.4	23.7	22.8				19.0	20.4	21.9				34.0
36.0	21.4	22.1	21.2	20.4			18.2	19.4	20.8				36.0
38.0	20.4	20.6	19.8	19.1			17.3	18.5	19.8	19.1			38.0
40.0	19.1	19.3	18.6	17.8			16.6	17.7	18.6	17.8			40.0
42.0	17.7	18.1	17.4	16.8	16.1		15.9	16.9	17.4	16.8			42.0
44.0	15.8	17.1	16.4	15.8	15.1		14.9	16.2	16.4	15.8	15.1		44.0
46.0	14.0	16.1	15.5	14.9	14.3		14.1	15.6	15.5	14.9	14.3		46.0
48.0		15.3	14.7	14.1	13.5	12.9	13.5	15.0	14.7	14.1	13.5		48.0
50.0		13.5	13.9	13.3	12.8	12.3	12.0	14.5	13.9	13.3	12.8	12.2	50.0
52.0			13.2	12.7	12.1	11.6		13.3	13.2	12.7	12.1	11.6	52.0
54.0				12.1	11.5	11.0			12.6	12.0	11.5	11.0	54.0
56.0					11.0	10.5			12.0	11.5	11.0	10.5	56.0
58.0					10.5	10.0				10.9	10.5	10.0	58.0
60.0						9.6					10.0	9.5	60.0
62.0												9.1	62.0
Reeves	3						2						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

30.5m Boom Length

Boom length (m)	30.5																		Boom length (m)
Jib length (m)	51.8						54.9						57.9						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	25.2																		18.0
20.0	24.9						22.3						20.1						20.0
22.0	24.4						22.0						19.8						22.0
24.0	23.3						21.4						19.2						24.0
26.0	22.2	22.6					20.4	20.9					18.3						26.0
28.0	21.2	21.6					19.2	20.0					17.3	18.1					28.0
30.0	20.1	20.5					18.2	19.0					16.4	17.1					30.0
32.0	19.1	19.5	19.9				17.2	17.9					15.6	16.2					32.0
34.0	18.0	18.5	19.0				16.3	17.0	17.7				14.8	15.4					34.0
36.0	17.1	17.6	18.0				15.5	16.1	16.7				14.1	14.6	15.2				36.0
38.0	16.1	16.6	17.1				14.8	15.3	15.9				13.4	13.9	14.4				38.0
40.0	15.2	15.7	16.2	16.6			14.1	14.6	15.1	15.7			12.8	13.3	13.7				40.0
42.0	14.3	14.9	15.4	15.8			13.4	13.9	14.4	14.9			12.2	12.7	13.1	13.5			42.0
44.0	13.4	14.0	14.5	15.0			12.8	13.3	13.7	14.2			11.7	12.1	12.5	12.9			44.0
46.0	12.5	13.2	13.7	14.2	14.0		12.2	12.7	13.1	13.5			11.2	11.6	12.0	12.3			46.0
48.0	11.7	12.4	12.9	13.4	13.2		11.7	12.1	12.5	12.9	13.1		10.7	11.1	11.4	11.8			48.0
50.0	10.8	11.6	12.2	12.7	12.5		11.1	11.6	12.0	12.4	12.4		10.2	10.6	11.0	11.3	11.6		50.0
52.0	10.0	10.8	11.4	11.9	11.9	11.3	10.5	11.1	11.5	11.9	11.8		9.8	10.2	10.5	10.8	11.1		52.0
54.0		10.0	10.7	11.2	11.3	10.7	9.7	10.4	10.9	11.4	11.2	10.7	9.4	9.8	10.1	10.4	10.7		54.0
56.0		9.2	9.9	10.5	10.7	10.2	8.9	9.7	10.2	10.7	10.6	10.1	9.0	9.4	9.7	10.0	10.3	10.0	56.0
58.0			9.1	9.8	10.2	9.7		8.9	9.6	10.1	10.1	9.6	8.4	9.0	9.3	9.6	9.9	9.5	58.0
60.0				9.1	9.7	9.3			8.9	9.5	9.6	9.2		8.4	8.9	9.2	9.5	9.0	60.0
62.0					9.0	8.8			8.2	8.8	9.2	8.8		7.7	8.3	8.8	9.1	8.6	62.0
64.0					8.3	8.4				8.1	8.7	8.4			7.7	8.2	8.6	8.2	64.0
66.0						8.1					8.1	8.0				7.6	8.1	7.8	66.0
68.0												7.6					7.5	7.5	68.0
70.0																	6.9	7.2	70.0
72.0																		6.9	72.0
Reeves	2						2						2						Reeves

Working radius (m)

Boom length (m)	30.5						Boom length (m)
Jib length (m)	61.0						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	Boom angle (deg)
22.0	17.8						22.0
24.0	17.3						24.0
26.0	16.5						26.0
28.0	15.6	16.3					28.0
30.0	14.8	15.4					30.0
32.0	14.1	14.6					32.0
34.0	13.4	13.9					34.0
36.0	12.8	13.2	13.7				36.0
38.0	12.2	12.6	13.1				38.0
40.0	11.6	12.0	12.5				40.0
42.0	11.1	11.5	11.9				42.0
44.0	10.6	11.0	11.4	11.7			44.0
46.0	10.2	10.5	10.9	11.2			46.0
48.0	9.8	10.1	10.4	10.7			48.0
50.0	9.4	9.7	10.0	10.3	10.6		50.0
52.0	9.0	9.3	9.6	9.9	10.2		52.0
54.0	8.6	8.9	9.2	9.5	9.7		54.0
56.0	8.3	8.6	8.8	9.1	9.4		56.0
58.0	8.0	8.2	8.5	8.8	9.0	9.2	58.0
60.0	7.6	7.9	8.2	8.4	8.7	8.9	60.0
62.0	7.3	7.6	7.9	8.1	8.3	8.5	62.0
64.0		7.3	7.6	7.8	8.0	8.1	64.0
66.0			7.2	7.5	7.7	7.7	66.0
68.0			6.6	7.1	7.5	7.4	68.0
70.0				6.6	7.0	7.0	70.0
72.0					6.5	6.7	72.0
74.0						6.4	74.0
Reeves	2						Reeves

Working radius (m)

Note: Ratings according to EN13000.

Ratings shown in [ ] are determined by the strength of the boom or other structural components.

Lifting capacities may vary depending on hook used or with/without auxiliary sheave.

Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

33.5m Boom Length

Boom length (m)	33.5																		Boom length (m)
Jib length (m)	21.3						24.4						27.4						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
10.0	67.5																		10.0
12.0	65.3						64.5						63.5						12.0
14.0	60.2						60.0						59.3						14.0
16.0	55.1	58.1					55.5	57.9					55.1						16.0
18.0	49.9	53.6					51.1	53.3					50.9	52.9					18.0
20.0	44.8	47.0	45.4				46.6	46.9					46.7	46.9					20.0
22.0	39.7	41.7	40.2				42.1	41.5	40.0				42.5	41.5	39.9				22.0
24.0	31.2	37.3	36.0	34.9			36.6	37.2	35.8				37.6	37.2	35.7				24.0
26.0		33.7	32.6	31.6			30.1	33.7	32.4	31.4			33.6	33.6	32.2				26.0
28.0			29.7	28.8	27.7			30.7	29.5	28.6			28.5	30.7	29.4	28.5			28.0
30.0			27.2	26.4	25.4			28.1	27.1	26.2	25.2		23.3	28.1	26.9	26.2			30.0
32.0				24.3	23.4				25.0	24.2	23.2			26.0	24.9	24.1	23.0		32.0
34.0					21.7	21.0				22.4	21.5				23.0	22.4	21.3		34.0
36.0					20.2	19.6				20.9	20.0	19.4			21.4	20.8	19.9		36.0
38.0						18.3					18.7	18.1				19.5	18.5	18.0	38.0
40.0												17.0					17.4	16.9	40.0
42.0																		15.9	42.0
44.0																		14.9	44.0
Reeves	5						5						5						Reeves

Working radius (m)

Working radius (m)

Boom length (m)	33.5												Boom length (m)
Jib length (m)	30.5						33.5						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
14.0	54.0						52.2						14.0
16.0	54.0						50.9						16.0
18.0	50.3	52.6					48.3						18.0
20.0	46.5	46.8					45.6	46.5					20.0
22.0	42.8	41.4					42.7	41.3					22.0
24.0	38.1	37.1	35.7				38.2	37.0					24.0
26.0	34.1	33.6	32.2				34.2	33.4	32.1				26.0
28.0	30.7	30.6	29.4				30.8	30.5	29.2				28.0
30.0	27.0	28.1	26.9	26.0			28.0	27.9	26.8	25.9			30.0
32.0	23.0	25.9	24.9	24.0			25.2	25.8	24.7	23.8			32.0
34.0		24.0	23.0	22.3	21.3		21.8	23.9	22.9	22.1			34.0
36.0		21.9	21.4	20.7	19.8		18.3	22.2	21.3	20.6	19.6		36.0
38.0			20.0	19.4	18.5			20.8	19.9	19.2	18.3		38.0
40.0				18.1	17.3	16.8			18.6	18.0	17.2		40.0
42.0				17.1	16.3	15.7			17.5	16.9	16.1	15.6	42.0
44.0					15.4	14.8				15.9	15.2	14.7	44.0
46.0						14.0					14.3	13.8	46.0
48.0												13.1	48.0
50.0												12.4	50.0
Reeves	4						4						Reeves

Working radius (m)

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

33.5m Boom Length

Boom length (m)	33.5																		Boom length (m)
Jib length (m)	36.6						39.6						42.7						Jib length (m)
Working radius (m) / Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
14.0	45.9																		14.0
16.0	45.5						39.5						34.0						16.0
18.0	44.8						38.7						33.0						18.0
20.0	43.1	46.5					37.5						32.1						20.0
22.0	41.2	41.2					36.4	38.5					31.1	32.9					22.0
24.0	38.2	36.9					34.9	36.8					30.1	32.3					24.0
26.0	34.6	33.3	32.1				33.2	33.3					29.1	31.8					26.0
28.0	31.2	30.3	29.2				31.5	30.3	29.2				28.2	30.3					28.0
30.0	28.3	27.8	26.8				28.7	27.8	26.7				27.2	27.8	26.7				30.0
32.0	25.9	25.7	24.7	23.7			26.2	25.7	24.7				26.2	25.6	24.6				32.0
34.0	23.8	23.8	22.9	22.0			24.1	23.8	22.8	21.9			24.1	23.7	22.8				34.0
36.0	20.9	22.1	21.3	20.4			22.2	22.1	21.3	20.4			22.3	22.1	21.2	20.3			36.0
38.0	18.0	20.7	19.9	19.1	18.3		20.0	20.7	19.9	19.0			20.6	20.6	19.8	19.0			38.0
40.0		19.4	18.6	17.9	17.1		17.6	19.4	18.6	17.8	17.1		19.0	19.3	18.5	17.8			40.0
42.0		17.4	17.5	16.8	16.1	15.4	14.9	18.2	17.5	16.8	16.0		16.9	18.2	17.4	16.7	16.0		42.0
44.0			16.5	15.8	15.2	14.5		17.1	16.5	15.8	15.1	14.4	14.7	17.1	16.4	15.7	15.0		44.0
46.0				14.9	14.3	13.7			15.6	14.9	14.3	13.6		16.2	15.5	14.8	14.2	13.6	46.0
48.0					13.5	12.9			14.7	14.1	13.5	12.9		14.3	14.7	14.0	13.4	12.8	48.0
50.0					12.8	12.3				13.4	12.8	12.2			13.9	13.3	12.7	12.1	50.0
52.0						11.7					12.1	11.6				12.6	12.1	11.5	52.0
54.0												11.0					11.5	10.9	54.0
56.0												10.5					10.9	10.4	56.0
58.0																		9.9	58.0
Reeves	4						3						3						Reeves

Boom length (m)	33.5												Boom length (m)
Jib length (m)	45.7						48.8						Jib length (m)
Working radius (m) / Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	28.8						24.5						18.0
20.0	28.1						23.9						20.0
22.0	27.6						23.4						22.0
24.0	27.0	27.9					22.9						24.0
26.0	26.6	27.3					22.4	23.1					26.0
28.0	25.9	26.8					22.0	22.7					28.0
30.0	24.7	26.4	26.5				21.1	22.2					30.0
32.0	23.5	25.3	24.4				20.0	21.7	22.4				32.0
34.0	22.4	23.6	22.6				19.1	20.6	22.0				34.0
36.0	21.4	21.9	21.0	20.1			18.2	19.6	21.0				36.0
38.0	20.4	20.5	19.6	18.8			17.4	18.7	19.6	18.8			38.0
40.0	19.1	19.2	18.4	17.6			16.6	17.8	18.4	17.6			40.0
42.0	17.8	18.0	17.3	16.5			15.9	17.0	17.3	16.5			42.0
44.0	16.0	17.0	16.3	15.5	14.9		14.9	16.3	16.3	15.6	14.8		44.0
46.0	14.2	16.1	15.4	14.7	14.0		14.2	15.7	15.4	14.7	14.0		46.0
48.0	12.2	15.2	14.5	13.9	13.2	12.6	13.5	15.1	14.5	13.9	13.2		48.0
50.0		13.9	13.8	13.1	12.5	12.0	12.1	14.4	13.8	13.1	12.5	11.9	50.0
52.0			13.1	12.5	11.9	11.3		13.7	13.1	12.5	11.9	11.3	52.0
54.0				11.9	11.3	10.8			12.4	11.9	11.3	10.7	54.0
56.0				11.3	10.8	10.2			11.8	11.3	10.7	10.2	56.0
58.0					10.3	9.8				10.8	10.2	9.7	58.0
60.0						9.3					9.8	9.3	60.0
62.0						8.9					9.3	8.9	62.0
64.0												8.5	64.0
Reeves	3						2						Reeves

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

33.5m Boom Length

Boom length (m)	33.5																		Boom length (m)
Jib length (m)	51.8						54.9						57.9						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	24.7																		18.0
20.0	24.4						21.9						19.8						20.0
22.0	24.1						21.6						19.5						22.0
24.0	23.2						21.3						19.2						24.0
26.0	22.1	22.5					20.3						18.3						26.0
28.0	21.1	21.4					19.2	20.0					17.3	18.0					28.0
30.0	20.0	20.4					18.2	19.0					16.4	17.1					30.0
32.0	19.0	19.4					17.2	17.9					15.5	16.2					32.0
34.0	18.0	18.4	18.8				16.3	17.0	17.7				14.8	15.4					34.0
36.0	17.0	17.5	17.9				15.5	16.1	16.8				14.1	14.6	15.2				36.0
38.0	16.1	16.6	17.0				14.7	15.3	15.9				13.4	13.9	14.4				38.0
40.0	15.1	15.7	16.1	16.5			14.0	14.6	15.1				12.8	13.3	13.7				40.0
42.0	14.3	14.8	15.3	15.7			13.4	13.9	14.4	14.9			12.2	12.6	13.1				42.0
44.0	13.4	14.0	14.5	14.9			12.8	13.3	13.7	14.2			11.7	12.1	12.5	12.9			44.0
46.0	12.5	13.2	13.7	14.1	13.7		12.2	12.7	13.1	13.6			11.2	11.6	12.0	12.3			46.0
48.0	11.7	12.4	12.9	13.4	13.0		11.7	12.1	12.5	13.0	12.9		10.7	11.1	11.4	11.8			48.0
50.0	10.9	11.6	12.2	12.6	12.3		11.1	11.6	12.0	12.4	12.2		10.2	10.6	11.0	11.3	11.6		50.0
52.0	10.1	10.8	11.4	11.9	11.6	11.0	10.5	11.1	11.5	11.9	11.5		9.8	10.2	10.5	10.8	11.1		52.0
54.0		10.0	10.7	11.2	11.0	10.5	9.8	10.4	10.9	11.3	10.9	10.4	9.4	9.8	10.1	10.4	10.7		54.0
56.0		9.2	10.0	10.5	10.5	9.9	9.0	9.7	10.2	10.7	10.4	9.9	9.0	9.4	9.7	10.0	10.2	9.7	56.0
58.0			9.2	9.8	10.0	9.4		9.0	9.6	10.1	9.9	9.4	8.5	9.0	9.3	9.6	9.7	9.2	58.0
60.0				9.2	9.5	9.0			8.9	9.5	9.4	8.9		8.4	8.9	9.2	9.3	8.8	60.0
62.0				8.5	9.0	8.6			8.3	8.8	9.0	8.5		7.8	8.3	8.8	8.8	8.3	62.0
64.0					8.4	8.2				8.2	8.6	8.1			7.7	8.2	8.4	8.0	64.0
66.0						7.8					8.1	7.7				7.6	8.0	7.6	66.0
68.0						7.5					7.5	7.4				7.1	7.5	7.2	68.0
70.0												7.1					7.0	6.9	70.0
72.0																		6.6	72.0
74.0																		6.3	74.0
Reeves	2						2						2						Reeves

Working radius (m)

Boom length (m)	33.5						Boom length (m)
Jib length (m)	61.0						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	Boom angle (deg)
22.0	17.5						22.0
24.0	17.3						24.0
26.0	16.4						26.0
28.0	15.6						28.0
30.0	14.8	15.4					30.0
32.0	14.1	14.6					32.0
34.0	13.4	13.9					34.0
36.0	12.7	13.2					36.0
38.0	12.1	12.6	13.1				38.0
40.0	11.6	12.0	12.5				40.0
42.0	11.1	11.5	11.9				42.0
44.0	10.6	11.0	11.4	11.7			44.0
46.0	10.2	10.5	10.9	11.2			46.0
48.0	9.8	10.1	10.4	10.7			48.0
50.0	9.4	9.7	10.0	10.3			50.0
52.0	9.0	9.3	9.6	9.9	10.1		52.0
54.0	8.6	8.9	9.2	9.5	9.7		54.0
56.0	8.3	8.6	8.8	9.1	9.3		56.0
58.0	8.0	8.2	8.5	8.8	9.0	9.1	58.0
60.0	7.6	7.9	8.2	8.4	8.6	8.6	60.0
62.0	7.3	7.6	7.9	8.1	8.3	8.2	62.0
64.0		7.3	7.6	7.8	8.0	7.8	64.0
66.0			7.2	7.5	7.7	7.5	66.0
68.0			6.7	7.1	7.5	7.1	68.0
70.0				6.6	7.0	6.8	70.0
72.0					6.5	6.5	72.0
74.0					6.0	6.2	74.0
76.0						5.9	76.0
Reeves	2						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

36.6m Boom Length

Boom length (m)	36.6																		Boom length (m)
Jib length (m)	21.3						24.4						27.4						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
10.0	67.5																		10.0
12.0	63.0						63.5						54.0						12.0
14.0	58.4						59.3						54.0						14.0
16.0	53.9	58.0					55.0	57.7					54.0						16.0
18.0	49.4	53.5					50.8	53.1					50.2	52.7					18.0
20.0	44.8	46.9	45.0				46.5	46.7					46.5	46.7					20.0
22.0	40.3	41.5	39.9				42.3	41.4	39.7				42.7	41.3					22.0
24.0	31.8	37.2	35.7				37.0	37.1	35.5				37.8	37.0	35.3				24.0
26.0		33.6	32.3	31.1			30.6	33.5	32.1				33.7	33.5	31.9				26.0
28.0			29.4	28.4				30.5	29.3	28.2			28.8	30.5	29.1	28.1			28.0
30.0			27.0	26.0	24.9			28.0	26.8	25.9			23.7	28.0	26.7	25.8			30.0
32.0				24.0	23.0				24.7	23.8	22.8			25.8	24.6	23.8			32.0
34.0				22.2	21.3	20.5				22.1	21.1				22.8	22.0	20.9		34.0
36.0					19.8	19.1				20.6	19.6	18.9			21.2	20.5	19.4		36.0
38.0						17.8					18.3	17.6				19.2	18.1	17.5	38.0
40.0						16.7					17.2	16.5				18.0	17.0	16.4	40.0
42.0												15.5					16.0	15.4	42.0
44.0																		14.5	44.0
Reeves	5						5						4						Reeves

Working radius (m)

Boom length (m)	36.6												Boom length (m)
Jib length (m)	30.5						33.5						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
14.0	54.0						50.4						14.0
16.0	53.0						49.9						16.0
18.0	49.6						47.8						18.0
20.0	46.2	46.5					45.2	46.3					20.0
22.0	42.8	41.3					42.7	41.1					22.0
24.0	38.3	37.0	35.3				38.2	36.8					24.0
26.0	34.2	33.4	31.9				34.3	33.3	31.8				26.0
28.0	30.9	30.5	29.1				31.0	30.3	28.9				28.0
30.0	27.3	27.9	26.7	25.7			28.1	27.8	26.5				30.0
32.0	23.2	25.8	24.6	23.7			25.5	25.6	24.4	23.5			32.0
34.0		23.9	22.8	21.9			22.1	23.8	22.6	21.7			34.0
36.0		22.2	21.2	20.4	19.4		18.6	22.1	21.1	20.2			36.0
38.0			19.8	19.1	18.1			20.7	19.7	18.9	17.9		38.0
40.0				17.9	17.0	16.3			18.4	17.7	16.8		40.0
42.0				16.8	15.9	15.3			17.3	16.6	15.8	15.1	42.0
44.0					15.0	14.4				15.7	14.8	14.2	44.0
46.0					14.2	13.6					14.0	13.4	46.0
48.0						12.9					13.3	12.7	48.0
50.0												12.0	50.0
Reeves	4						4						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

36.6m Boom Length

Boom length (m)	36.6																		Boom length (m)
Jib length (m)	36.6						39.6						42.7						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
14.0	44.5																		14.0
16.0	44.1						38.6						34.0						16.0
18.0	43.7						38.2						33.0						18.0
20.0	43.1						37.5						32.1						20.0
22.0	41.2	41.0					36.4	38.2					31.1						22.0
24.0	38.2	36.7					34.9	36.7					30.1	32.4					24.0
26.0	34.6	33.2					33.3	33.1					29.1	31.9					26.0
28.0	31.3	30.2	28.9				31.5	30.2	28.9				28.2	30.1					28.0
30.0	28.4	27.7	26.5				28.8	27.7	26.5				27.2	27.6	26.4				30.0
32.0	26.0	25.5	24.4				26.3	25.5	24.4				26.2	25.5	24.3				32.0
34.0	23.8	23.7	22.6	21.6			24.2	23.7	22.6	21.6			24.2	23.6	22.5				34.0
36.0	21.1	22.0	21.1	20.1			22.3	22.0	21.0	20.1			22.3	22.0	21.0	20.0			36.0
38.0	18.3	20.6	19.7	18.8	17.9		20.2	20.6	19.6	18.7			20.7	20.5	19.6	18.7			38.0
40.0		19.3	18.4	17.6	16.7		17.8	19.3	18.4	17.5	16.7		19.1	19.2	18.3	17.5			40.0
42.0		18.0	17.3	16.5	15.7		15.2	18.1	17.3	16.5	15.7		17.0	18.1	17.2	16.4	15.6		42.0
44.0			16.3	15.6	14.8	14.1		17.1	16.3	15.5	14.8		14.9	17.0	16.2	15.4	14.7		44.0
46.0				14.7	14.0	13.3			15.4	14.6	13.9	13.2		16.1	15.3	14.6	13.9		46.0
48.0				13.9	13.2	12.6			14.6	13.9	13.2	12.5		14.8	14.5	13.8	13.1	12.4	48.0
50.0					12.5	11.9				13.1	12.5	11.8			13.8	13.1	12.4	11.8	50.0
52.0						11.3					11.8	11.2				12.4	11.8	11.2	52.0
54.0						10.7					11.3	10.7				11.8	11.2	10.6	54.0
56.0												10.2					10.7	10.1	56.0
58.0																		9.6	58.0
60.0																		9.2	60.0
Reeves	4						3						3						Reeves

Working radius (m)

Boom length (m)	36.6												Boom length (m)
Jib length (m)	45.7						48.8						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	28.8						24.5						18.0
20.0	28.1						23.9						20.0
22.0	27.6						23.4						22.0
24.0	27.0	27.9					22.9						24.0
26.0	26.6	27.4					22.4	23.2					26.0
28.0	25.9	26.9					22.0	22.7					28.0
30.0	24.7	26.4					21.2	22.3					30.0
32.0	23.5	25.3	24.2				20.1	21.9	22.6				32.0
34.0	22.4	23.5	22.4				19.1	20.8	22.1				34.0
36.0	21.4	21.8	20.8				18.2	19.8	20.8				36.0
38.0	20.4	20.4	19.4	18.5			17.4	18.8	19.4				38.0
40.0	19.1	19.1	18.2	17.3			16.7	18.0	18.2	17.3			40.0
42.0	17.8	17.9	17.1	16.2			16.0	17.2	17.1	16.2			42.0
44.0	16.2	16.9	16.1	15.3	14.5		15.0	16.5	16.1	15.3			44.0
46.0	14.3	16.0	15.2	14.4	13.7		14.3	15.8	15.2	14.4	13.7		46.0
48.0	12.4	15.1	14.4	13.6	12.9		13.5	15.1	14.4	13.6	12.9		48.0
50.0		14.3	13.6	12.9	12.2	11.6	12.3	14.3	13.6	12.9	12.2		50.0
52.0			12.9	12.3	11.6	11.0		13.6	12.9	12.2	11.6	11.0	52.0
54.0			12.3	11.7	11.0	10.4		12.3	12.3	11.6	11.0	10.4	54.0
56.0				11.1	10.5	9.9			11.7	11.1	10.5	9.9	56.0
58.0					10.0	9.4				10.6	10.0	9.4	58.0
60.0					9.5	9.0				10.1	9.5	9.0	60.0
62.0						8.6					9.1	8.6	62.0
64.0												8.2	64.0
66.0												7.8	66.0
Reeves	3						2						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

36.6m Boom Length

Boom length (m)	36.6																		Boom length (m)
Jib length (m)	51.8						54.9						57.9						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	24.2																		18.0
20.0	23.9						21.5						19.4						20.0
22.0	23.6						21.2						19.1						22.0
24.0	23.1						20.9						18.8						24.0
26.0	22.0	22.3					20.2						18.2						26.0
28.0	20.9	21.3					19.1	19.9					17.2	18.0					28.0
30.0	19.9	20.3					18.1	18.9					16.3	17.1					30.0
32.0	18.9	19.3					17.1	17.9					15.5	16.2					32.0
34.0	17.9	18.3	18.6				16.3	16.9					14.7	15.3					34.0
36.0	16.9	17.4	17.7				15.4	16.1	16.7				14.0	14.6	15.2				36.0
38.0	16.0	16.5	16.8				14.7	15.3	15.9				13.3	13.9	14.4				38.0
40.0	15.1	15.6	16.0	16.3			14.0	14.5	15.1				12.7	13.2	13.7				40.0
42.0	14.2	14.7	15.2	15.5			13.3	13.9	14.4	14.9			12.2	12.6	13.1				42.0
44.0	13.3	13.9	14.4	14.7			12.7	13.2	13.7	14.2			11.6	12.0	12.5	12.9			44.0
46.0	12.5	13.1	13.6	14.0			12.2	12.6	13.1	13.5			11.1	11.5	11.9	12.3			46.0
48.0	11.7	12.3	12.8	13.2	12.6		11.6	12.1	12.5	12.9			10.7	11.0	11.4	11.8			48.0
50.0	10.9	11.5	12.1	12.5	11.9		11.1	11.6	12.0	12.3	11.9		10.2	10.6	10.9	11.3			50.0
52.0	10.1	10.8	11.4	11.8	11.3		10.5	11.0	11.5	11.8	11.2		9.8	10.1	10.5	10.8	11.1		52.0
54.0	9.2	10.0	10.6	11.1	10.7	10.1	9.7	10.3	10.8	11.2	10.7		9.4	9.7	10.0	10.3	10.5		54.0
56.0		9.3	9.9	10.5	10.2	9.6	9.0	9.7	10.2	10.6	10.1	9.5	9.0	9.3	9.6	9.9	10.0		56.0
58.0			9.2	9.8	9.7	9.1		9.0	9.5	10.0	9.6	9.0	8.4	9.0	9.3	9.5	9.5	8.9	58.0
60.0			8.5	9.1	9.2	8.7		8.3	8.9	9.4	9.2	8.6		8.4	8.8	9.2	9.0	8.4	60.0
62.0				8.5	8.8	8.3			8.3	8.8	8.7	8.2		7.7	8.3	8.6	8.6	8.0	62.0
64.0					8.4	7.9				8.2	8.3	7.8			7.7	8.1	8.2	7.6	64.0
66.0					7.8	7.5				7.6	8.0	7.5			7.1	7.6	7.8	7.3	66.0
68.0						7.2					7.5	7.1				7.0	7.4	7.0	68.0
70.0												6.8					6.9	6.6	70.0
72.0												6.5					6.4	6.3	72.0
74.0																		6.1	74.0
Reeves	2						2						2						Reeves

Working radius (m)

Working radius (m)

Boom length (m)	36.6						Boom length (m)
Jib length (m)	61.0						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	Boom angle (deg)
22.0	17.2						22.0
24.0	17.0						24.0
26.0	16.4						26.0
28.0	15.5						28.0
30.0	14.7	15.4					30.0
32.0	14.0	14.6					32.0
34.0	13.3	13.9					34.0
36.0	12.7	13.2					36.0
38.0	12.1	12.6	13.1				38.0
40.0	11.6	12.0	12.4				40.0
42.0	11.0	11.4	11.9				42.0
44.0	10.6	10.9	11.3				44.0
46.0	10.1	10.5	10.8	11.2			46.0
48.0	9.7	10.0	10.4	10.7			48.0
50.0	9.3	9.6	9.9	10.2			50.0
52.0	9.0	9.2	9.5	9.8			52.0
54.0	8.6	8.9	9.2	9.4	9.7		54.0
56.0	8.3	8.5	8.8	9.1	9.3		56.0
58.0	7.9	8.2	8.5	8.7	8.9		58.0
60.0	7.6	7.9	8.1	8.4	8.6	8.3	60.0
62.0	7.3	7.6	7.8	8.1	8.3	7.9	62.0
64.0		7.3	7.6	7.8	8.0	7.5	64.0
66.0		6.7	7.2	7.5	7.7	7.2	66.0
68.0			6.6	7.0	7.3	6.8	68.0
70.0				6.6	6.9	6.5	70.0
72.0				6.0	6.4	6.2	72.0
74.0					5.9	5.9	74.0
76.0						5.6	76.0
78.0						5.4	78.0
Reeves	2						Reeves

Working radius (m)

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

39.6m Boom Length

Boom length (m)	39.6																		Boom length (m)
Jib length (m)	21.3						24.4						27.4						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
10.0	64.5																		10.0
12.0	60.6						54.0						54.0						12.0
14.0	56.6						54.0						54.0						14.0
16.0	52.7	57.7					53.0						53.0						16.0
18.0	48.8	53.2					49.5	53.0					49.5	52.5					18.0
20.0	44.8	46.6					46.1	46.6					46.1	46.5					20.0
22.0	40.9	41.3	39.5				42.6	41.3	39.3				42.7	41.2					22.0
24.0	32.4	37.0	35.4				37.5	37.0	35.2				38.0	36.9	35.0				24.0
26.0		33.4	32.0	30.7			31.0	33.4	31.8				33.9	33.3	31.6				26.0
28.0		30.4	29.1	28.0				30.5	29.0	27.9			29.2	30.4	28.8				28.0
30.0			26.7	25.7				28.0	26.6	25.6			24.0	27.9	26.4	25.4			30.0
32.0				23.7	22.5				24.5	23.6				25.7	24.3	23.4			32.0
34.0				21.9	20.9				22.7	21.9	20.7			23.8	22.6	21.7	20.4		34.0
36.0					19.4	18.6				20.4	19.2				21.0	20.2	19.0		36.0
38.0					18.1	17.4					17.9	17.3				18.9	17.7		38.0
40.0						16.3					16.8	16.2				17.7	16.6	16.0	40.0
42.0												15.2					15.6	15.0	42.0
44.0												14.3					14.7	14.1	44.0
46.0																		13.4	46.0
Reeves	5						4						4						Reeves

Working radius (m)

Boom length (m)	39.6												Boom length (m)
Jib length (m)	30.5						33.5						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
14.0	54.0						48.5						14.0
16.0	52.0						48.1						16.0
18.0	48.8						47.1						18.0
20.0	45.9	46.2					44.8	46.1					20.0
22.0	42.8	41.1					42.6	40.9					22.0
24.0	38.3	36.8					38.2	36.6					24.0
26.0	34.4	33.2	31.6				34.5	33.1	31.4				26.0
28.0	31.0	30.3	28.8				31.1	30.2	28.6				28.0
30.0	27.6	27.8	26.4				28.2	27.7	26.2				30.0
32.0	23.4	25.6	24.3	23.3			25.7	25.5	24.2	23.1			32.0
34.0		23.8	22.6	21.6			22.3	23.6	22.4	21.4			34.0
36.0		22.1	21.0	20.1	19.0		18.8	22.0	20.8	19.9			36.0
38.0			19.6	18.8	17.7			20.6	19.5	18.6	17.5		38.0
40.0			18.4	17.6	16.6				18.2	17.4	16.4		40.0
42.0				16.5	15.6	14.9			17.1	16.4	15.4		42.0
44.0					14.7	14.0				15.4	14.5	13.8	44.0
46.0					13.9	13.2				14.6	13.7	13.0	46.0
48.0						12.5					12.9	12.3	48.0
50.0						11.9					12.3	11.7	50.0
52.0												11.1	52.0
Reeves	4						4						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

39.6m Boom Length

Boom length (m)	39.6																		Boom length (m)
Jib length (m)	36.6						39.6						42.7						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
16.0	40.5						37.4						33.6						16.0
18.0	40.5						37.0						33.0						18.0
20.0	40.5						36.6						32.1						20.0
22.0	39.5	40.5					36.2	37.1					31.1						22.0
24.0	37.2	36.5					35.0	36.5					30.2	32.5					24.0
26.0	34.5	33.0					33.3	33.0					29.2	31.9					26.0
28.0	31.5	30.0	28.6				31.5	30.0					28.2	30.0					28.0
30.0	28.6	27.5	26.2				28.9	27.5	26.2				27.3	27.5	26.1				30.0
32.0	26.1	25.4	24.2				26.4	25.4	24.2				26.3	25.3	24.1				32.0
34.0	23.9	23.5	22.4	21.3			24.2	23.5	22.4				24.3	23.5	22.3				34.0
36.0	21.3	21.9	20.8	19.8			22.3	21.9	20.8	19.7			22.4	21.8	20.7				36.0
38.0	18.5	20.5	19.4	18.5			20.4	20.5	19.4	18.4			20.7	20.4	19.4	18.3			38.0
40.0		19.2	18.2	17.3	16.4		17.9	19.2	18.2	17.2			19.3	19.1	18.1	17.2			40.0
42.0		18.0	17.1	16.2	15.4		15.4	18.0	17.1	16.2	15.3		17.2	18.0	17.0	16.1			42.0
44.0			16.1	15.3	14.5			17.0	16.1	15.3	14.4		15.1	16.9	16.1	15.2	14.3		44.0
46.0			15.2	14.4	13.6	12.9			15.2	14.4	13.6			16.0	15.2	14.3	13.5		46.0
48.0				13.7	12.9	12.2			14.4	13.6	12.9	12.1		15.2	14.3	13.6	12.8		48.0
50.0					12.2	11.5				12.9	12.2	11.5			13.6	12.8	12.1	11.4	50.0
52.0					11.6	10.9				12.3	11.6	10.9			12.9	12.2	11.5	10.8	52.0
54.0						10.4					11.0	10.3				11.6	10.9	10.3	54.0
56.0						9.9						9.8					10.4	9.8	56.0
58.0												9.4					9.9	9.3	58.0
60.0																		8.9	60.0
62.0																		8.5	62.0
Reeves	3						3						3						Reeves

Working radius (m)

Boom length (m)	39.6												Boom length (m)
Jib length (m)	45.7						48.8						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	28.8						24.5						18.0
20.0	28.2						23.9						20.0
22.0	27.6						23.4						22.0
24.0	27.0	28.0					22.9						24.0
26.0	26.6	27.5					22.4	23.3					26.0
28.0	25.9	27.0					22.0	22.8					28.0
30.0	24.7	26.5					21.2	22.3					30.0
32.0	23.6	25.2	23.9				20.1	21.9					32.0
34.0	22.5	23.3	22.1				19.1	21.0	22.2				34.0
36.0	21.4	21.7	20.6				18.2	19.9	20.6				36.0
38.0	20.4	20.3	19.2	18.2			17.4	19.0	19.2				38.0
40.0	19.2	19.0	18.0	17.0			16.7	18.1	18.0	17.0			40.0
42.0	17.9	17.8	16.9	16.0			16.0	17.3	16.9	16.0			42.0
44.0	16.3	16.8	15.9	15.0			15.0	16.6	15.9	15.0			44.0
46.0	14.5	15.9	15.0	14.2	13.3		14.3	15.9	15.0	14.2			46.0
48.0	12.5	15.0	14.2	13.4	12.6		13.6	15.0	14.2	13.4	12.6		48.0
50.0		14.2	13.4	12.7	11.9		12.4	14.2	13.5	12.7	11.9		50.0
52.0			12.8	12.0	11.3	10.6		13.5	12.8	12.0	11.3		52.0
54.0			12.1	11.4	10.7	10.1		12.7	12.1	11.4	10.7	10.1	54.0
56.0				10.9	10.2	9.6			11.6	10.9	10.2	9.6	56.0
58.0				10.4	9.7	9.1			11.0	10.4	9.7	9.1	58.0
60.0					9.3	8.7				9.9	9.3	8.7	60.0
62.0						8.3					8.8	8.3	62.0
64.0						7.9					8.4	7.9	64.0
66.0												7.5	66.0
Reeves	3						2						Reeves

Working radius (m)

Note: Ratings according to EN13000.

Ratings shown in [ ] are determined by the strength of the boom or other structural components.

Lifting capacities may vary depending on hook used or with/without auxiliary sheave.

Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

39.6m Boom Length

Boom length (m)	39.6																		Boom length (m)
Jib length (m)	51.8						54.9						57.9						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
20.0	23.4						21.1						19.0						20.0
22.0	23.2						20.8						18.7						22.0
24.0	22.9						20.5						18.4						24.0
26.0	21.9	22.1					20.2						18.1						26.0
28.0	20.8	21.1					19.1	19.8					17.2						28.0
30.0	19.8	20.1					18.0	18.9					16.3	17.0					30.0
32.0	18.8	19.1					17.1	17.9					15.4	16.1					32.0
34.0	17.8	18.2	18.5				16.2	16.9					14.7	15.3					34.0
36.0	16.8	17.3	17.6				15.4	16.1	16.7				14.0	14.5					36.0
38.0	15.9	16.4	16.7				14.7	15.3	15.9				13.3	13.8	14.4				38.0
40.0	15.0	15.5	15.9				14.0	14.5	15.1				12.7	13.2	13.7				40.0
42.0	14.1	14.6	15.0	15.3			13.3	13.8	14.4				12.1	12.6	13.0				42.0
44.0	13.3	13.8	14.2	14.6			12.7	13.2	13.7	14.2			11.6	12.0	12.4	12.9			44.0
46.0	12.5	13.0	13.5	13.8			12.2	12.6	13.1	13.5			11.1	11.5	11.9	12.3			46.0
48.0	11.7	12.3	12.7	13.1	12.3		11.6	12.1	12.5	12.9			10.6	11.0	11.4	11.7			48.0
50.0	10.9	11.5	12.0	12.4	11.6		11.1	11.5	11.9	12.3	11.5		10.2	10.5	10.9	11.2			50.0
52.0	10.1	10.8	11.3	11.7	11.0		10.5	11.0	11.4	11.7	10.9		9.8	10.1	10.4	10.8	10.8		52.0
54.0	9.2	10.0	10.6	11.1	10.4		9.7	10.3	10.7	11.1	10.4		9.4	9.7	10.0	10.3	10.2		54.0
56.0		9.3	9.9	10.4	9.9	9.3	9.0	9.6	10.1	10.5	9.8		9.0	9.3	9.6	9.9	9.7		56.0
58.0			9.2	9.8	9.4	8.8		9.0	9.5	9.9	9.4	8.7	8.4	8.9	9.2	9.5	9.2		58.0
60.0			8.5	9.1	9.0	8.4		8.3	8.9	9.3	8.9	8.3	7.7	8.3	8.8	9.1	8.7	8.1	60.0
62.0				8.5	8.6	8.0			8.3	8.7	8.5	7.9		7.7	8.2	8.5	8.3	7.7	62.0
64.0				7.8	8.2	7.6			7.6	8.2	8.1	7.5			7.7	8.0	7.9	7.3	64.0
66.0					7.8	7.2				7.6	7.7	7.2			7.1	7.5	7.6	7.0	66.0
68.0						6.9					7.4	6.8				7.0	7.2	6.6	68.0
70.0						6.6					6.9	6.5				6.4	6.9	6.3	70.0
72.0												6.2					6.4	6.0	72.0
74.0																		5.7	74.0
76.0																		5.5	76.0
Reeves	2						2						2						Reeves

Working radius (m)

Boom length (m)	39.6						Boom length (m)
Jib length (m)	61.0						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	Boom angle (deg)
22.0	16.9						22.0
24.0	16.7						24.0
26.0	16.3						26.0
28.0	15.5						28.0
30.0	14.7	15.4					30.0
32.0	14.0	14.6					32.0
34.0	13.3	13.8					34.0
36.0	12.6	13.2					36.0
38.0	12.1	12.5	13.0				38.0
40.0	11.5	12.0	12.4				40.0
42.0	11.0	11.4	11.8				42.0
44.0	10.5	10.9	11.3				44.0
46.0	10.1	10.4	10.8	11.2			46.0
48.0	9.7	10.0	10.3	10.7			48.0
50.0	9.3	9.6	9.9	10.2			50.0
52.0	8.9	9.2	9.5	9.8			52.0
54.0	8.6	8.9	9.1	9.4	9.6		54.0
56.0	8.3	8.5	8.8	9.0	9.2		56.0
58.0	7.9	8.2	8.4	8.7	8.9		58.0
60.0	7.6	7.9	8.1	8.3	8.5		60.0
62.0	6.7	7.6	7.8	8.0	8.2	7.6	62.0
64.0		7.2	7.5	7.7	7.8	7.2	64.0
66.0		6.7	7.1	7.4	7.4	6.8	66.0
68.0			6.6	7.0	7.1	6.5	68.0
70.0				6.5	6.8	6.2	70.0
72.0				6.0	6.3	5.9	72.0
74.0					5.9	5.6	74.0
76.0					5.4	5.3	76.0
78.0						5.1	78.0
Reeves	2						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

42.7m Boom Length

Boom length (m)	42.7																		Boom length (m)
Jib length (m)	21.3						24.4						27.4						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
12.0	54.0						54.0						54.0						12.0
14.0	54.0						54.0						54.0						14.0
16.0	53.3	54.0					53.7						51.2						16.0
18.0	49.3	53.0					50.1	52.8					48.4	52.3					18.0
20.0	45.4	46.4					46.4	46.4					45.5	46.3					20.0
22.0	41.4	41.1	39.1				42.8	41.1					42.7	41.0					22.0
24.0	32.9	36.8	35.0				37.8	36.8	34.8				38.1	36.7	34.6				24.0
26.0		33.3	31.6				31.4	33.3	31.5				34.0	33.2	31.3				26.0
28.0		30.3	28.8	27.5				30.3	28.7	27.5			29.5	30.2	28.5				28.0
30.0			26.4	25.3				27.8	26.3	25.2			24.4	27.7	26.1	25.0			30.0
32.0			24.4	23.3	22.0				24.2	23.2				25.6	24.1	23.0			32.0
34.0				21.6	20.4				22.4	21.5	20.2			23.7	22.3	21.3			34.0
36.0					19.0					20.0	18.7				20.7	19.9	18.5		36.0
38.0					17.7	16.9				18.7	17.5				19.4	18.5	17.3		38.0
40.0						15.8					16.4	15.7				17.4	16.2		40.0
42.0						14.8					15.4	14.7					15.2	14.5	42.0
44.0												13.9					14.3	13.7	44.0
46.0																		12.9	46.0
48.0																		12.2	48.0
Reeves	4						4						4						Reeves

Working radius (m)

Boom length (m)	42.7												Boom length (m)
Jib length (m)	30.5						33.5						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
14.0	52.6						40.5						14.0
16.0	50.8						40.5						16.0
18.0	48.2						40.5						18.0
20.0	45.5	46.0					40.5	40.5					20.0
22.0	42.8	40.9					40.5	40.5					22.0
24.0	38.3	36.6					38.2	36.4					24.0
26.0	34.6	33.1	31.3				34.5	32.9					26.0
28.0	31.1	30.1	28.5				31.2	30.0	28.3				28.0
30.0	27.8	27.6	26.1				28.3	27.5	25.9				30.0
32.0	23.7	25.5	24.1	22.9			25.8	25.4	23.9				32.0
34.0		23.6	22.3	21.2			22.5	23.5	22.1	21.0			34.0
36.0		22.0	20.7	19.7			19.1	21.9	20.6	19.6			36.0
38.0			19.4	18.4	17.3			20.4	19.2	18.3			38.0
40.0			18.2	17.3	16.2			19.2	18.0	17.1	16.0		40.0
42.0				16.2	15.2				16.9	16.1	15.0		42.0
44.0				15.3	14.3	13.6			15.9	15.1	14.1		44.0
46.0					13.5	12.8				14.3	13.3	12.6	46.0
48.0					12.8	12.1					12.6	11.9	48.0
50.0						11.5					11.9	11.3	50.0
52.0												10.7	52.0
54.0												10.2	54.0
Reeves	4						3						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

42.7m Boom Length

Boom length (m)	42.7																		Boom length (m)
Jib length (m)	36.6						39.6						42.7						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
16.0	40.5						36.2						32.6						16.0
18.0	40.5						35.9						32.3						18.0
20.0	39.1						35.5						32.0						20.0
22.0	37.8	40.5					35.1	36.0					31.1						22.0
24.0	36.0	36.3					33.9	35.6					30.2	32.1					24.0
26.0	33.6	32.8					32.7	32.8					29.2	31.8					26.0
28.0	31.5	29.9	28.3				31.5	29.9					28.2	29.8					28.0
30.0	28.7	27.4	25.9				28.9	27.4	25.9				27.3	27.3					30.0
32.0	26.2	25.3	23.9				26.5	25.3	23.9				26.3	25.2	23.8				32.0
34.0	24.0	23.4	22.1				24.3	23.4	22.1				24.4	23.3	22.0				34.0
36.0	21.5	21.8	20.6	19.4			22.4	21.8	20.6	19.4			22.5	21.7	20.5				36.0
38.0	18.7	20.3	19.2	18.1			20.6	20.3	19.2	18.1			20.8	20.3	19.1	18.0			38.0
40.0		19.1	18.0	17.0			18.1	19.1	18.0	16.9			19.3	19.0	17.9	16.9			40.0
42.0		17.9	16.9	15.9	15.0		15.6	17.9	16.9	15.9	14.9		17.3	17.9	16.8	15.8			42.0
44.0			15.9	15.0	14.1			16.9	15.9	15.0	14.0		15.2	16.8	15.9	14.9	14.0		44.0
46.0			15.0	14.1	13.3			15.9	15.0	14.1	13.2			15.9	15.0	14.0	13.2		46.0
48.0				13.4	12.5	11.7			14.2	13.3	12.5			15.1	14.2	13.3	12.4		48.0
50.0				12.7	11.9	11.1				12.6	11.8	11.1			13.4	12.6	11.8		50.0
52.0					11.3	10.5				12.0	11.2	10.5			12.7	11.9	11.2	10.4	52.0
54.0					10.7	10.0					10.7	10.0				11.4	10.6	9.9	54.0
56.0						9.5					10.2	9.5				10.8	10.1	9.4	56.0
58.0												9.0					9.6	8.9	58.0
60.0												8.6					9.2	8.5	60.0
62.0																		8.1	62.0
Reeves	4						3						3						Reeves

Working radius (m)

Working radius (m)

Boom length (m)	42.7												Boom length (m)
Jib length (m)	45.7						48.8						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	28.8						24.5						18.0
20.0	28.2						23.9						20.0
22.0	27.6						23.4						22.0
24.0	27.0						22.9						24.0
26.0	26.6	27.5					22.4	23.4					26.0
28.0	25.9	27.0					22.0	22.9					28.0
30.0	24.7	26.6					21.2	22.4					30.0
32.0	23.6	25.0	23.6				20.2	22.0					32.0
34.0	22.5	23.2	21.9				19.2	21.2	21.9				34.0
36.0	21.4	21.6	20.3				18.3	20.1	20.4				36.0
38.0	20.4	20.1	19.0				17.5	19.1	19.0				38.0
40.0	19.2	18.9	17.8	16.7			16.7	18.2	17.8				40.0
42.0	17.9	17.7	16.7	15.6			16.0	17.4	16.7	15.7			42.0
44.0	16.4	16.7	15.7	14.7			15.0	16.7	15.7	14.7			44.0
46.0	14.6	15.8	14.8	13.9	13.0		14.3	15.8	14.8	13.9			46.0
48.0	12.7	14.9	14.0	13.1	12.2		13.7	14.9	14.0	13.1	12.2		48.0
50.0		14.1	13.3	12.4	11.6		12.6	14.2	13.3	12.4	11.6		50.0
52.0		13.2	12.6	11.8	11.0			13.4	12.6	11.8	11.0		52.0
54.0			12.0	11.2	10.4	9.7		12.8	12.0	11.2	10.4		54.0
56.0				10.6	9.9	9.2			11.4	10.6	9.9	9.2	56.0
58.0				10.1	9.4	8.7			10.9	10.1	9.4	8.7	58.0
60.0					9.0	8.3				9.7	9.0	8.3	60.0
62.0					8.6	7.9				9.1	8.6	7.9	62.0
64.0						7.6					8.2	7.6	64.0
66.0						7.3						7.2	66.0
68.0												6.9	68.0
Reeves	3						2						Reeves

Working radius (m)

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

42.7m Boom Length

Boom length (m)	42.7																		Boom length (m)
Jib length (m)	51.8						54.9						57.9						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
20.0	22.9						20.6						18.7						20.0
22.0	22.6						20.3						18.4						22.0
24.0	22.3						20.0						18.1						24.0
26.0	21.7						19.7						17.8						26.0
28.0	20.7	20.9					19.0	19.7					17.1						28.0
30.0	19.7	19.9					18.0	18.9					16.2	17.0					30.0
32.0	18.7	19.0					17.0	17.8					15.4	16.1					32.0
34.0	17.7	18.0					16.2	16.9					14.6	15.3					34.0
36.0	16.7	17.1	17.4				15.4	16.0	16.7				13.9	14.5					36.0
38.0	15.8	16.2	16.5				14.6	15.2	15.8				13.3	13.8	14.4				38.0
40.0	14.9	15.4	15.7				13.9	14.5	15.0				12.6	13.1	13.6				40.0
42.0	14.1	14.5	14.9	15.1			13.3	13.8	14.3				12.1	12.5	13.0				42.0
44.0	13.2	13.7	14.1	14.4			12.7	13.2	13.6	14.0			11.6	12.0	12.4				44.0
46.0	12.4	12.9	13.4	13.6			12.1	12.6	13.0	13.4			11.1	11.5	11.8	12.2			46.0
48.0	11.6	12.2	12.6	12.8			11.6	12.0	12.4	12.7			10.6	11.0	11.3	11.7			48.0
50.0	10.8	11.4	11.9	12.1	11.3		11.1	11.5	11.9	12.0			10.2	10.5	10.8	11.2			50.0
52.0	10.0	10.7	11.2	11.5	10.7		10.4	10.9	11.2	11.4	10.6		9.7	10.1	10.4	10.7			52.0
54.0	9.2	10.0	10.5	10.9	10.1		9.7	10.2	10.6	10.8	10.0		9.4	9.7	10.0	10.3	9.9		54.0
56.0		9.3	9.9	10.3	9.6		9.0	9.6	10.0	10.3	9.5		9.0	9.3	9.6	9.8	9.4		56.0
58.0		8.5	9.2	9.7	9.1	8.4		8.9	9.4	9.8	9.1		8.4	8.9	9.2	9.4	8.9		58.0
60.0			8.5	9.0	8.7	8.0		8.3	8.8	9.2	8.6	7.9	7.7	8.3	8.7	8.9	8.4	7.7	60.0
62.0				8.4	8.3	7.6			8.2	8.6	8.2	7.5		7.7	8.1	8.4	8.0	7.3	62.0
64.0				7.8	7.9	7.3			7.6	8.1	7.8	7.2			7.6	7.9	7.7	6.9	64.0
66.0					7.5	6.9				7.5	7.5	6.8			7.0	7.4	7.3	6.6	66.0
68.0					7.1	6.6				7.0	7.1	6.5				6.9	7.0	6.3	68.0
70.0						6.2					6.8	6.2				6.4	6.7	5.9	70.0
72.0						6.0						5.9					6.3	5.7	72.0
74.0												5.6					5.8	5.4	74.0
76.0																		5.1	76.0
78.0																		4.9	78.0
Reeves	2						2						2						Reeves

Working radius (m)

Working radius (m)

Boom length (m)	42.7						Boom length (m)
Jib length (m)	61.0						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	Boom angle (deg)
22.0	16.6						22.0
24.0	16.4						24.0
26.0	16.2						26.0
28.0	15.4						28.0
30.0	14.6	15.3					30.0
32.0	13.9	14.5					32.0
34.0	13.2	13.8					34.0
36.0	12.6	13.1					36.0
38.0	12.0	12.5					38.0
40.0	11.5	11.9	12.4				40.0
42.0	11.0	11.4	11.8				42.0
44.0	10.5	10.9	11.3				44.0
46.0	10.1	10.4	10.8				46.0
48.0	9.6	10.0	10.3	10.6			48.0
50.0	9.3	9.6	9.9	10.2			50.0
52.0	8.9	9.2	9.5	9.7			52.0
54.0	8.6	8.8	9.1	9.3			54.0
56.0	8.2	8.5	8.7	9.0	9.2		56.0
58.0	7.9	8.2	8.4	8.6	8.7		58.0
60.0	7.1	7.9	8.1	8.3	8.3		60.0
62.0	6.1	7.6	7.8	8.0	7.9	7.2	62.0
64.0		7.2	7.5	7.7	7.5	6.8	64.0
66.0		6.6	7.0	7.3	7.2	6.4	66.0
68.0			6.5	6.8	6.8	6.1	68.0
70.0			6.0	6.4	6.5	5.8	70.0
72.0				5.9	6.2	5.5	72.0
74.0				5.4	5.8	5.2	74.0
76.0					5.3	5.0	76.0
78.0						4.7	78.0
80.0						4.5	80.0
Reeves	2						Reeves

Working radius (m)

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

45.7m Boom Length

Boom length (m)	45.7																		Boom length (m)
Jib length (m)	21.3						24.4						27.4						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
12.0	54.0						54.0						49.0						12.0
14.0	54.0						54.0						47.5						14.0
16.0	53.0	54.0					51.0						46.0						16.0
18.0	49.3	52.8					48.2	52.6					44.6						18.0
20.0	45.4	46.2					45.5	46.2					43.1	45.7					20.0
22.0	41.9	40.9	38.7				42.7	40.9					41.6	40.7					22.0
24.0	33.4	36.6	34.7				38.0	36.6	34.5				38.2	36.5					24.0
26.0		33.1	31.3				31.8	33.1	31.1				34.2	33.0	31.0				26.0
28.0		30.1	28.5	27.1				30.2	28.4				29.8	30.1	28.2				28.0
30.0			26.2	24.9				27.7	26.0	24.8			24.7	27.6	25.8				30.0
32.0			24.1	23.0					24.0	22.9				25.4	23.8	22.7			32.0
34.0				21.3	20.0				22.2	21.2				23.6	22.0	21.0			34.0
36.0				19.8	18.6					19.7	18.4				20.5	19.6			36.0
38.0					17.3	16.4				18.4	17.1				19.2	18.3	16.9		38.0
40.0					16.2	15.4					16.0	15.3				17.1	15.8		40.0
42.0						14.4					15.1	14.4				16.1	14.9	14.1	42.0
44.0						13.6						13.5					14.0	13.3	44.0
46.0												12.7					13.2	12.6	46.0
48.0																		11.9	48.0
50.0																		11.2	50.0
Reeves	4						4						4						Reeves

Working radius (m) — Working radius (m)

Boom length (m)	45.7												Boom length (m)
Jib length (m)	30.5						33.5						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
14.0	40.5						40.5						14.0
16.0	40.5						40.5						16.0
18.0	40.5						40.5						18.0
20.0	40.5	40.5					40.5						20.0
22.0	40.5	40.5					38.5	40.3					22.0
24.0	38.2	36.4					36.4	36.4					24.0
26.0	34.6	32.9	31.0				34.4	32.9					26.0
28.0	31.2	30.0	28.2				31.3	30.0	28.0				28.0
30.0	28.1	27.5	25.8				28.4	27.5	25.6				30.0
32.0	24.0	25.4	23.8	22.6			25.9	25.3	23.6				32.0
34.0		23.5	22.1	20.9			22.7	23.5	21.9	20.8			34.0
36.0		21.9	20.5	19.4			19.3	21.9	20.3	19.4			36.0
38.0			19.2	18.1	16.9			20.4	19.0	18.1			38.0
40.0			18.0	17.0	15.8			19.1	17.8	16.9	15.6		40.0
42.0				16.0	14.8				16.7	15.9	14.6		42.0
44.0				15.0	14.0	13.2			15.7	15.0	13.8		44.0
46.0					13.2	12.4				14.1	13.0	12.3	46.0
48.0					12.5	11.7				13.4	12.3	11.7	48.0
50.0						11.1					11.6	11.0	50.0
52.0						10.5					11.0	10.5	52.0
54.0												9.9	54.0
56.0												9.5	56.0
Reeves	3						3						Reeves

Working radius (m) — Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

45.7m Boom Length

Boom length (m)	45.7																		Boom length (m)
Jib length (m)	36.6						39.6						42.7						Jib length (m)
Working radius (m) / Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
16.0	39.4						35.2						31.6						16.0
18.0	39.0						34.9						31.3						18.0
20.0	37.9						34.6						31.0						20.0
22.0	36.3	39.6					33.8						30.7						22.0
24.0	34.6	36.2					32.6	35.0					30.2	31.2					24.0
26.0	33.0	32.8					31.3	32.6					29.2	30.9					26.0
28.0	31.4	29.8					30.1	29.6					28.3	29.6					28.0
30.0	28.8	27.4	25.6				28.8	27.2	25.6				27.3	27.2					30.0
32.0	26.2	25.2	23.6				26.6	25.1	23.6				26.3	25.0	23.5				32.0
34.0	24.1	23.4	21.9				24.4	23.3	21.9				24.5	23.2	21.8				34.0
36.0	21.7	21.8	20.3	19.2			22.5	21.6	20.3				22.6	21.6	20.3				36.0
38.0	18.9	20.3	19.0	17.9			20.7	20.2	19.0	17.8			20.9	20.2	18.9				38.0
40.0		19.1	17.8	16.8			18.3	18.9	17.8	16.6			19.4	18.9	17.7	16.6			40.0
42.0		17.9	16.7	15.8	14.6		15.7	17.8	16.7	15.6			17.5	17.7	16.6	15.5			42.0
44.0			15.7	14.9	13.7			16.8	15.7	14.7	13.7		15.4	16.6	15.7	14.6			44.0
46.0			14.9	14.0	13.0			15.8	14.8	13.9	12.9			15.8	14.8	13.8	12.8		46.0
48.0				13.3	12.2	11.5			14.0	13.1	12.2			14.9	14.0	13.0	12.1		48.0
50.0				12.6	11.6	10.9			13.3	12.4	11.5	10.7			13.3	12.3	11.5		50.0
52.0					11.0	10.3				11.8	10.9	10.1			12.6	11.7	10.9	10.1	52.0
54.0					10.4	9.8				11.2	10.4	9.6				11.1	10.3	9.5	54.0
56.0						9.3					9.9	9.1				10.6	9.8	9.1	56.0
58.0						8.9					9.4	8.7					9.4	8.6	58.0
60.0												8.3					8.9	8.2	60.0
62.0																		7.8	62.0
64.0																		7.5	64.0
Reeves	3						3						3						Reeves

Boom length (m)	45.7						48.8						Boom length (m)
Jib length (m)	45.7						48.8						Jib length (m)
Working radius (m) / Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	28.1						24.6						18.0
20.0	27.8						24.0						20.0
22.0	27.5						23.4						22.0
24.0	27.1						22.9						24.0
26.0	26.6	27.6					22.4	23.5					26.0
28.0	26.0	27.1					22.0	22.9					28.0
30.0	24.7	26.6					21.3	22.5					30.0
32.0	23.6	24.9					20.2	22.0					32.0
34.0	22.5	23.0	21.6				19.2	21.4	21.7				34.0
36.0	21.4	21.4	20.1				18.3	20.3	20.1				36.0
38.0	20.4	20.0	18.7				17.5	19.3	18.8				38.0
40.0	19.3	18.7	17.5	16.4			16.7	18.4	17.6				40.0
42.0	18.0	17.6	16.5	15.4			16.0	17.6	16.5	15.4			42.0
44.0	16.5	16.6	15.5	14.4			15.0	16.6	15.5	14.5			44.0
46.0	14.7	15.6	14.6	13.6			14.3	15.7	14.6	13.6			46.0
48.0	12.8	14.8	13.8	12.9	11.9		13.7	14.8	13.8	12.9			48.0
50.0		14.0	13.1	12.2	11.3		12.7	14.1	13.1	12.2	11.3		50.0
52.0		13.3	12.4	11.5	10.7			13.3	12.4	11.6	10.7		52.0
54.0			11.8	11.0	10.1	9.3		12.7	11.8	11.0	10.1		54.0
56.0			11.3	10.4	9.6	8.9			11.3	10.4	9.6	8.9	56.0
58.0				9.9	9.2	8.4			10.7	9.9	9.2	8.4	58.0
60.0				9.5	8.7	8.0				9.5	8.7	8.0	60.0
62.0					8.3	7.7				9.0	8.3	7.6	62.0
64.0					8.0	7.3					8.0	7.3	64.0
66.0						7.0					7.6	6.9	66.0
68.0												6.6	68.0
70.0												6.3	70.0
Reeves	3						2						Reeves

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

45.7m Boom Length

Boom length (m)	45.7																		Boom length (m)
Jib length (m)	51.8						54.9						57.9						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
20.0	22.4						20.2						18.3						20.0
22.0	22.1						19.9						18.0						22.0
24.0	21.8						19.6						17.7						24.0
26.0	21.5						19.3						17.4						26.0
28.0	20.6	20.8					19.0	19.6					17.1						28.0
30.0	19.6	19.8					18.0	18.8					16.2	17.0					30.0
32.0	18.6	18.9					17.0	17.8					15.4	16.1					32.0
34.0	17.6	17.9					16.1	16.9					14.6	15.3					34.0
36.0	16.7	17.0	17.3				15.3	16.0					13.9	14.5					36.0
38.0	15.8	16.1	16.4				14.6	15.2	15.8				13.2	13.8	14.4				38.0
40.0	14.9	15.3	15.6				13.9	14.5	15.0				12.6	13.1	13.6				40.0
42.0	14.0	14.5	14.8				13.3	13.8	14.3				12.1	12.5	13.0				42.0
44.0	13.2	13.7	14.0	14.2			12.7	13.1	13.6				11.5	12.0	12.4				44.0
46.0	12.4	12.9	13.3	13.3			12.1	12.6	13.0	13.2			11.0	11.4	11.8	12.2			46.0
48.0	11.6	12.1	12.6	12.6			11.6	12.0	12.4	12.5			10.6	10.9	11.3	11.7			48.0
50.0	10.8	11.4	11.9	11.9			11.1	11.5	11.8	11.8			10.1	10.5	10.8	11.2			50.0
52.0	10.0	10.7	11.2	11.3	10.4		10.4	10.8	11.2	11.2	10.3		9.7	10.1	10.4	10.7			52.0
54.0	9.2	10.0	10.5	10.7	9.8		9.7	10.2	10.6	10.6	9.8		9.3	9.7	10.0	10.2	9.6		54.0
56.0		9.3	9.8	10.2	9.3		9.0	9.6	10.0	10.1	9.3		9.0	9.3	9.6	9.8	9.1		56.0
58.0		8.5	9.2	9.6	8.9	8.1		8.9	9.4	9.6	8.8		8.4	8.8	9.1	9.3	8.6		58.0
60.0			8.5	9.0	8.4	7.7		8.3	8.8	9.1	8.4	7.6	7.7	8.3	8.6	8.8	8.2		60.0
62.0			7.9	8.4	8.0	7.3			8.2	8.6	8.0	7.2		7.7	8.1	8.3	7.8	7.0	62.0
64.0				7.8	7.7	6.9			7.6	8.0	7.6	6.8		7.0	7.5	7.8	7.4	6.6	64.0
66.0				7.2	7.3	6.6				7.5	7.2	6.5			7.0	7.4	7.1	6.3	66.0
68.0					7.0	6.2				7.0	6.9	6.1			6.5	6.9	6.7	5.9	68.0
70.0					6.6	5.9					6.6	5.8				6.4	6.4	5.6	70.0
72.0						5.6					6.3	5.5				5.9	6.1	5.3	72.0
74.0												5.3					5.8	5.1	74.0
76.0												5.0						4.8	76.0
78.0																		4.6	78.0
Reeves	2						2						2						Reeves

Working radius (m) — Working radius (m)

Boom length (m)	45.7						Boom length (m)
Jib length (m)	61.0						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	Boom angle (deg)
22.0	16.3						22.0
24.0	16.1						24.0
26.0	15.9						26.0
28.0	15.4						28.0
30.0	14.6	15.3					30.0
32.0	13.9	14.5					32.0
34.0	13.2	13.8					34.0
36.0	12.6	13.1					36.0
38.0	12.0	12.5					38.0
40.0	11.4	11.9	12.4				40.0
42.0	10.9	11.4	11.8				42.0
44.0	10.5	10.9	11.2				44.0
46.0	10.0	10.4	10.7				46.0
48.0	9.6	9.9	10.3	10.6			48.0
50.0	9.2	9.5	9.8	10.1			50.0
52.0	8.9	9.2	9.4	9.7			52.0
54.0	8.5	8.8	9.1	9.3			54.0
56.0	8.2	8.5	8.7	8.9	8.9		56.0
58.0	7.5	8.1	8.4	8.6	8.5		58.0
60.0	6.5	7.8	8.1	8.3	8.1		60.0
62.0	5.6	7.5	7.8	7.9	7.7		62.0
64.0		7.2	7.5	7.6	7.3	6.4	64.0
66.0		6.6	7.0	7.2	6.9	6.1	66.0
68.0			6.5	6.8	6.6	5.8	68.0
70.0			6.0	6.3	6.2	5.5	70.0
72.0				5.9	5.9	5.2	72.0
74.0				5.4	5.6	4.9	74.0
76.0					5.3	4.7	76.0
78.0					4.8	4.4	78.0
80.0						4.2	80.0
82.0						4.0	82.0
Reeves	2						Reeves

Working radius (m) — Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

48.8m Boom Length

Boom length (m)	48.8																		Boom length (m)
Jib length (m)	21.3						24.4						27.4						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
12.0	54.0						48.0						40.5						12.0
14.0	54.0						46.6						40.5						14.0
16.0	52.7						45.1						40.5						16.0
18.0	48.5	52.6					43.7	52.4					40.5						18.0
20.0	44.2	46.1					42.2	45.9					40.5	40.5					20.0
22.0	40.4	40.8					40.8	40.7					40.5	40.5					22.0
24.0	33.2	36.5	34.4				37.5	36.4	34.2				37.8	36.3					24.0
26.0		33.0	31.1				32.4	32.9	30.9				34.6	32.8	30.7				26.0
28.0		30.1	28.3					30.0	28.2				30.3	29.9	28.0				28.0
30.0			26.0	24.6				27.5	25.8	24.4			25.2	27.4	25.6				30.0
32.0			23.9	22.7				25.4	23.8	22.5				25.3	23.6	22.3			32.0
34.0				21.0	19.6				22.0	20.8				23.4	21.9	20.6			34.0
36.0				19.5	18.2				20.5	19.4	18.0				20.4	19.2			36.0
38.0					17.0					18.1	16.8				19.0	17.9	16.6		38.0
40.0					15.9	15.0				16.9	15.7					16.8	15.5		40.0
42.0						14.1					14.7	13.9				15.7	14.6		42.0
44.0						13.2					13.9	13.0					13.7	12.8	44.0
46.0												12.3					12.9	12.1	46.0
48.0												11.6						11.4	48.0
50.0																		10.8	50.0
Reeves	6						5						5						Reeves

Working radius (m)

Boom length (m)	48.8												Boom length (m)
Jib length (m)	30.5						33.5						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
14.0	40.5						40.5						14.0
16.0	40.5						40.5						16.0
18.0	40.5						40.5						18.0
20.0	40.5	40.5					40.5						20.0
22.0	40.5	40.4					38.5	40.1					22.0
24.0	37.9	36.2					36.4	36.2					24.0
26.0	34.5	32.7					34.4	32.7					26.0
28.0	31.4	29.8	27.8				31.3	29.8	27.6				28.0
30.0	28.3	27.3	25.5				28.5	27.3	25.3				30.0
32.0	24.2	25.2	23.5				26.0	25.2	23.3				32.0
34.0		23.4	21.8	20.5			22.9	23.4	21.6				34.0
36.0		21.7	20.3	19.0			19.5	21.7	20.1	19.0			36.0
38.0		20.3	18.9	17.8				20.3	18.7	17.7			38.0
40.0			17.7	16.6	15.4			19.0	17.5	16.6			40.0
42.0			16.6	15.6	14.4				16.5	15.6	14.2		42.0
44.0				14.7	13.6				15.5	14.7	13.3		44.0
46.0				13.9	12.8	11.9				13.9	12.6		46.0
48.0					12.1	11.3				13.1	11.9	11.2	48.0
50.0					11.4	10.7					11.2	10.6	50.0
52.0						10.1					10.7	10.1	52.0
54.0						9.6						9.5	54.0
56.0												9.1	56.0
Reeves	5						4						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

48.8m Boom Length

Boom length (m)	48.8																		Boom length (m)
Jib length (m)	36.6						39.6						42.7						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
16.0	37.9						34.0						30.6						16.0
18.0	37.4						33.6						30.3						18.0
20.0	36.9						33.2						29.9						20.0
22.0	35.5	38.2					32.8						29.6						22.0
24.0	33.8	36.0					31.9	33.9					29.3	30.3					24.0
26.0	32.1	32.6					30.7	32.4					29.0	30.0					26.0
28.0	30.5	29.7					29.5	29.5					28.3	29.5					28.0
30.0	28.8	27.2	25.3				28.3	27.1					27.3	27.0					30.0
32.0	26.3	25.1	23.3				26.6	24.9	23.3				26.3	24.9	23.2				32.0
34.0	24.1	23.2	21.6				24.5	23.1	21.6				24.6	23.1	21.5				34.0
36.0	21.9	21.6	20.1	18.9			22.6	21.5	20.1				22.6	21.4	20.0				36.0
38.0	19.0	20.2	18.7	17.6			20.8	20.1	18.7	17.4			20.9	20.0	18.7				38.0
40.0		18.9	17.5	16.5			18.4	18.8	17.5	16.3			19.4	18.8	17.5	16.2			40.0
42.0		17.8	16.5	15.5			15.9	17.7	16.5	15.3			17.6	17.6	16.4	15.2			42.0
44.0		16.8	15.5	14.5	13.3			16.7	15.5	14.4			15.5	16.6	15.4	14.3			44.0
46.0			14.7	13.7	12.6			15.7	14.6	13.6	12.5			15.7	14.6	13.5			46.0
48.0			13.9	13.0	11.9				13.8	12.8	11.8			14.8	13.8	12.7	11.7		48.0
50.0				12.3	11.2	10.5			13.1	12.1	11.2				13.1	12.1	11.1		50.0
52.0				11.7	10.6	9.9				11.5	10.6	9.7			12.4	11.4	10.5		52.0
54.0					10.1	9.4				10.9	10.1	9.2			11.8	10.9	10.0	9.1	54.0
56.0					9.6	8.9					9.6	8.8				10.4	9.5	8.7	56.0
58.0						8.5					9.1	8.3				9.9	9.0	8.2	58.0
60.0						8.1						7.9					8.6	7.9	60.0
62.0												7.6					8.2	7.5	62.0
64.0																		7.1	64.0
66.0																		6.8	66.0
Reeves	3						3						3						Reeves

Working radius (m)

Boom length (m)	48.8						48.8						Boom length (m)
Jib length (m)	45.7						48.8						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	27.0						24.4						18.0
20.0	27.0						24.0						20.0
22.0	27.0						23.4						22.0
24.0	27.0						22.9						24.0
26.0	26.6	26.7					22.4	23.5					26.0
28.0	26.0	26.4					22.0	23.0					28.0
30.0	24.8	26.1					21.3	22.5					30.0
32.0	23.6	24.7					20.2	22.1					32.0
34.0	22.5	22.9	21.3				19.2	21.6					34.0
36.0	21.4	21.3	19.8				18.3	20.5	19.9				36.0
38.0	20.4	19.9	18.5				17.5	19.5	18.5				38.0
40.0	19.3	18.6	17.3				16.7	18.5	17.3				40.0
42.0	18.0	17.5	16.2	15.0			15.9	17.5	16.3	15.0			42.0
44.0	16.7	16.5	15.3	14.1			15.0	16.5	15.3	14.1			44.0
46.0	14.8	15.5	14.4	13.3			14.3	15.6	14.4	13.3			46.0
48.0	12.9	14.7	13.6	12.6	11.5		13.8	14.7	13.6	12.6			48.0
50.0		13.9	12.9	11.9	10.9		12.8	14.0	12.9	11.9	10.9		50.0
52.0		13.2	12.2	11.3	10.3			13.2	12.3	11.3	10.3		52.0
54.0			11.6	10.7	9.8			12.6	11.6	10.7	9.8		54.0
56.0			11.1	10.2	9.3	8.5			11.1	10.2	9.3		56.0
58.0				9.7	8.9	8.0			10.6	9.7	8.9	8.0	58.0
60.0				9.2	8.4	7.6			10.1	9.2	8.4	7.6	60.0
62.0					8.0	7.2				8.8	8.0	7.2	62.0
64.0					7.7	6.9				8.4	7.7	6.9	64.0
66.0						6.6					7.3	6.5	66.0
68.0						6.2					7.0	6.2	68.0
70.0												5.9	70.0
72.0												5.6	72.0
Reeves	2						2						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

48.8m Boom Length

Boom length (m)	48.8																		Boom length (m)
Jib length (m)	51.8						54.9						57.9						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
20.0	21.8						19.7												20.0
22.0	21.5						19.4						17.7						22.0
24.0	21.2						19.1						17.4						24.0
26.0	20.9						18.8						17.1						26.0
28.0	20.5	20.7					18.5						16.8						28.0
30.0	19.5	19.7					17.9	18.7					16.1	16.9					30.0
32.0	18.5	18.7					17.0	17.8					15.3	16.1					32.0
34.0	17.5	17.8					16.1	16.8					14.5	15.2					34.0
36.0	16.6	16.9	17.1				15.3	16.0					13.8	14.4					36.0
38.0	15.7	16.0	16.2				14.5	15.2	15.7				13.2	13.7					38.0
40.0	14.8	15.2	15.4				13.9	14.4	15.0				12.6	13.1	13.6				40.0
42.0	13.9	14.4	14.6				13.2	13.7	14.3				12.0	12.5	12.9				42.0
44.0	13.1	13.6	13.9	13.8			12.6	13.1	13.6				11.5	11.9	12.3				44.0
46.0	12.3	12.8	13.1	13.0			12.1	12.5	12.9	13.0			11.0	11.4	11.8				46.0
48.0	11.5	12.1	12.4	12.3			11.5	12.0	12.3	12.2			10.5	10.9	11.3	11.6			48.0
50.0	10.8	11.3	11.7	11.6			11.0	11.4	11.6	11.5			10.1	10.4	10.8	11.1			50.0
52.0	10.0	10.6	11.1	11.0	10.0		10.3	10.8	11.0	10.9			9.7	10.0	10.3	10.6			52.0
54.0	9.2	9.9	10.4	10.4	9.5		9.6	10.1	10.4	10.4	9.4		9.3	9.6	9.9	10.1			54.0
56.0		9.2	9.8	9.9	9.0		8.9	9.5	9.8	9.8	8.9		8.9	9.2	9.5	9.6	8.7		56.0
58.0		8.5	9.1	9.4	8.6			8.9	9.3	9.3	8.5		8.0	8.8	9.0	9.1	8.3		58.0
60.0			8.5	8.9	8.1	7.2		8.2	8.7	8.9	8.1		7.0	8.2	8.5	8.7	7.9		60.0
62.0			7.9	8.3	7.7	6.8			8.1	8.5	7.7	6.7		7.6	8.0	8.2	7.5		62.0
64.0				7.8	7.4	6.5			7.6	7.9	7.3	6.4		7.0	7.5	7.7	7.1	6.2	64.0
66.0				7.2	7.0	6.2				7.4	6.9	6.1			6.9	7.2	6.7	5.8	66.0
68.0					6.7	5.8				6.9	6.6	5.7			6.4	6.8	6.4	5.5	68.0
70.0					6.4	5.5				6.4	6.3	5.4				6.3	6.1	5.2	70.0
72.0						5.3					6.0	5.2				5.8	5.8	5.0	72.0
74.0						5.0					5.7	4.9					5.5	4.7	74.0
76.0												4.7					5.2	4.5	76.0
78.0												4.4						4.2	78.0
80.0																		4.0	80.0
Reeves	4						3						3						Reeves

Working radius (m)

Boom length (m)	48.8						Boom length (m)
Jib length (m)	61.0						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	Boom angle (deg)
22.0	16.0						22.0
24.0	15.8						24.0
26.0	15.6						26.0
28.0	15.3						28.0
30.0	14.5						30.0
32.0	13.8	14.5					32.0
34.0	13.1	13.8					34.0
36.0	12.5	13.1					36.0
38.0	11.9	12.4					38.0
40.0	11.4	11.8	12.3				40.0
42.0	10.9	11.3	11.7				42.0
44.0	10.4	10.8	11.2				44.0
46.0	10.0	10.3	10.7				46.0
48.0	9.6	9.9	10.2				48.0
50.0	9.2	9.5	9.8	10.1			50.0
52.0	8.8	9.1	9.4	9.6			52.0
54.0	8.5	8.8	9.0	9.2			54.0
56.0	8.0	8.4	8.7	8.9			56.0
58.0	6.9	8.1	8.3	8.5	8.2		58.0
60.0	5.9	7.8	8.0	8.2	7.7		60.0
62.0	5.0	7.5	7.7	7.9	7.3		62.0
64.0		7.1	7.3	7.5	6.9		64.0
66.0		6.2	6.9	7.0	6.6	5.7	66.0
68.0			6.4	6.6	6.2	5.3	68.0
70.0			5.9	6.2	5.9	5.1	70.0
72.0				5.7	5.6	4.8	72.0
74.0				5.3	5.3	4.5	74.0
76.0					5.1	4.3	76.0
78.0					4.7	4.1	78.0
80.0					4.3	3.8	80.0
82.0						3.6	82.0
Reeves	3						Reeves

Working radius (m)

Note: Ratings according to EN13000.

Ratings shown in [ ] are determined by the strength of the boom or other structural components.

Lifting capacities may vary depending on hook used or with/without auxiliary sheave.

Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

51.8m Boom Length

Boom length (m)	51.8																		Boom length (m)
Jib length (m)	21.3						24.4						27.4						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
12.0	54.0						40.5						40.5						12.0
14.0	52.4						40.5						40.5						14.0
16.0	47.1						40.5						40.5						16.0
18.0	42.6	51.8					40.5	40.5					40.5						18.0
20.0	38.8	45.8					39.0	40.5					39.1	40.5					20.0
22.0	35.5	40.6					35.7	40.4					35.8	40.3					22.0
24.0	32.5	36.3	34.0				32.9	36.2					33.0	36.1					24.0
26.0		32.9	30.7				30.3	32.7	30.5				30.5	32.6	30.3				26.0
28.0		29.9	28.0				26.0	29.8	27.8				28.3	29.7	27.6				28.0
30.0			25.7	24.1				27.3	25.5				25.5	27.2	25.3				30.0
32.0			23.7	22.3				25.2	23.5	22.1				25.1	23.3				32.0
34.0			21.9	20.6					21.8	20.4				23.3	21.6	20.2			34.0
36.0				19.2	17.7				20.2	19.0					20.1	18.8			36.0
38.0				17.9	16.5					17.7	16.3				18.8	17.6			38.0
40.0					15.5					16.6	15.3				17.6	16.4	15.1		40.0
42.0					14.5	13.6					14.3					15.4	14.1		42.0
44.0						12.8					13.5	12.6				14.5	13.3		44.0
46.0						12.0						11.8					12.5	11.6	46.0
48.0												11.2					11.9	11.0	48.0
50.0																		10.4	50.0
52.0																		9.9	52.0
Reeves	4						3						3						Reeves

Working radius (m)

Working radius (m)

Boom length (m)	51.8												Boom length (m)
Jib length (m)	30.5						33.5						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
14.0	40.5						40.5						14.0
16.0	40.5						40.5						16.0
18.0	40.5						40.5						18.0
20.0	38.8	40.5					38.7						20.0
22.0	35.7	40.2					35.6	39.8					22.0
24.0	32.9	36.0					32.9	35.9					24.0
26.0	30.5	32.5					30.6	32.5					26.0
28.0	28.4	29.6	27.6				28.4	29.6					28.0
30.0	26.4	27.1	25.3				26.5	27.1	25.1				30.0
32.0	24.7	25.0	23.4				24.8	25.0	23.2				32.0
34.0		23.2	21.6	20.1			23.2	23.2	21.5				34.0
36.0		21.6	20.1	18.7			19.9	21.6	19.9	18.6			36.0
38.0		20.2	18.8	17.4				20.2	18.6	17.4			38.0
40.0			17.6	16.3				18.9	17.4	16.3			40.0
42.0			16.5	15.3	14.1				16.4	15.3	13.9		42.0
44.0				14.4	13.3				15.4	14.4	13.1		44.0
46.0				13.6	12.5					13.6	12.3		46.0
48.0					11.8	10.8				12.8	11.6		48.0
50.0					11.2	10.3				12.1	11.0	10.2	50.0
52.0						9.7					10.4	9.7	52.0
54.0						9.2					9.9	9.2	54.0
56.0												8.7	56.0
58.0												8.3	58.0
Reeves	3						3						Reeves

Working radius (m)

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

51.8m Boom Length

Boom length (m)	51.8																		Boom length (m)
Jib length (m)	36.6						39.6						42.7						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
16.0	36.3						32.7												16.0
18.0	35.8						32.3						27.0						18.0
20.0	35.3						31.9						27.0						20.0
22.0	34.8						31.5						27.0						22.0
24.0	32.9	35.7					31.1	32.7					27.0						24.0
26.0	30.6	32.4					30.2	32.2					27.0	27.0					26.0
28.0	28.5	29.5					28.1	29.3					27.0	27.0					28.0
30.0	26.6	27.0	25.0				26.3	26.9					26.4	26.8					30.0
32.0	24.9	24.9	23.0				24.7	24.8	23.0				24.7	24.7					32.0
34.0	23.3	23.1	21.3				23.2	23.0	21.3				23.3	22.9	21.2				34.0
36.0	21.9	21.5	19.8				21.8	21.4	19.8				21.9	21.3	19.7				36.0
38.0	19.2	20.1	18.5	17.2			20.6	19.9	18.5				20.7	19.9	18.4				38.0
40.0		18.8	17.3	16.1			18.6	18.7	17.3	15.9			19.5	18.6	17.2	15.9			40.0
42.0		17.7	16.2	15.1			16.1	17.5	16.2	15.0			17.7	17.5	16.2	14.9			42.0
44.0		16.6	15.3	14.2	12.9			16.5	15.3	14.1			15.6	16.5	15.2	14.0			44.0
46.0			14.4	13.4	12.2			15.6	14.4	13.3	12.1			15.6	14.4	13.2			46.0
48.0			13.7	12.7	11.5				13.6	12.5	11.5			14.7	13.6	12.5	11.4		48.0
50.0				12.0	10.9				12.9	11.9	10.8			14.0	12.9	11.8	10.8		50.0
52.0				11.4	10.3	9.5				11.3	10.3				12.2	11.2	10.2		52.0
54.0					9.8	9.0				10.7	9.7	8.8			11.6	10.6	9.7		54.0
56.0					9.3	8.6				10.2	9.3	8.4				10.1	9.2	8.3	56.0
58.0						8.1					8.8	7.9				9.6	8.7	7.8	58.0
60.0						7.7					8.4	7.5					8.3	7.4	60.0
62.0												7.2					7.9	7.1	62.0
64.0												6.8						6.7	64.0
66.0																		6.4	66.0
Reeves	3						3						2						Reeves

Working radius (m)

Boom length (m)	51.8												Boom length (m)
Jib length (m)	45.7						48.8						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	26.2						23.7						18.0
20.0	25.9						23.4						20.0
22.0	25.7						23.1						22.0
24.0	25.4						22.8						24.0
26.0	25.1	26.0					22.5						26.0
28.0	24.8	25.7					22.0	23.1					28.0
30.0	24.5	25.4					21.4	22.6					30.0
32.0	23.6	24.6					20.3	22.2					32.0
34.0	22.5	22.7	21.0				19.3	21.8					34.0
36.0	21.4	21.1	19.6				18.4	20.6	19.6				36.0
38.0	20.5	19.7	18.2				17.5	19.6	18.3				38.0
40.0	19.4	18.5	17.1				16.8	18.5	17.1				40.0
42.0	18.0	17.3	16.0	14.7			15.8	17.4	16.0				42.0
44.0	16.8	16.3	15.1	13.8			14.9	16.4	15.1	13.8			44.0
46.0	14.9	15.4	14.2	13.0			14.2	15.5	14.2	13.0			46.0
48.0	13.0	14.6	13.4	12.3			13.7	14.6	13.4	12.3			48.0
50.0		13.8	12.7	11.6	10.6		12.9	13.8	12.7	11.6			50.0
52.0		13.1	12.0	11.0	10.0			13.1	12.1	11.0	10.0		52.0
54.0			11.5	10.4	9.5			12.5	11.5	10.5	9.5		54.0
56.0			10.9	9.9	9.0			11.9	10.9	9.9	9.0		56.0
58.0				9.5	8.5	7.6			10.4	9.5	8.6		58.0
60.0				9.0	8.1	7.2			9.9	9.0	8.1	7.2	60.0
62.0				8.6	7.8	6.8				8.6	7.8	6.8	62.0
64.0					7.4	6.5				8.2	7.4	6.5	64.0
66.0					7.1	6.1					7.1	6.1	66.0
68.0						5.8					6.7	5.8	68.0
70.0						5.6						5.5	70.0
72.0												5.3	72.0
Reeves	2						2						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

LIFTING CAPACITIES

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

51.8m Boom Length

Boom length (m)	51.8																		Boom length (m)
Jib length (m)	51.8						54.9						57.9						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
20.0	21.2						19.2												20.0
22.0	20.9						18.9						17.3						22.0
24.0	20.6						18.6						17.0						24.0
26.0	20.3						18.3						16.7						26.0
28.0	20.0	20.5					18.0						16.4						28.0
30.0	19.4	19.5					17.7	18.5					16.1	16.9					30.0
32.0	18.4	18.6					16.9	17.8					15.3	16.0					32.0
34.0	17.4	17.7					16.0	16.8					14.5	15.2					34.0
36.0	16.5	16.8					15.2	15.9					13.8	14.4					36.0
38.0	15.6	15.9	16.1				14.5	15.1	15.5				13.1	13.7					38.0
40.0	14.7	15.1	15.3				13.8	14.4	14.8				12.5	13.0	13.6				40.0
42.0	13.9	14.3	14.5				13.2	13.7	14.1				12.0	12.4	12.9				42.0
44.0	13.1	13.5	13.7				12.6	13.1	13.4				11.5	11.9	12.3				44.0
46.0	12.3	12.7	13.0	12.7			12.0	12.5	12.8	12.6			11.0	11.4	11.7				46.0
48.0	11.5	12.0	12.3	12.0			11.5	11.9	12.1	11.9			10.5	10.9	11.2	11.5			48.0
50.0	10.7	11.3	11.6	11.3			11.0	11.3	11.5	11.3			10.1	10.4	10.7	11.0			50.0
52.0	10.0	10.6	11.0	10.7			10.3	10.7	10.9	10.7			9.7	10.0	10.3	10.5			52.0
54.0	9.2	9.9	10.3	10.2	9.2		9.6	10.1	10.3	10.1			9.3	9.6	9.9	9.9			54.0
56.0		9.2	9.7	9.7	8.7		8.9	9.4	9.7	9.6	8.6		8.3	9.2	9.4	9.4			56.0
58.0		8.5	9.1	9.2	8.2			8.8	9.2	9.1	8.2		7.3	8.7	8.9	8.9	8.0		58.0
60.0			8.4	8.7	7.8			8.2	8.6	8.7	7.7		6.4	8.1	8.4	8.5	7.5		60.0
62.0			7.8	8.3	7.4	6.4		7.6	8.1	8.2	7.3			7.6	7.9	8.0	7.1		62.0
64.0				7.7	7.1	6.1			7.5	7.8	7.0	6.0		7.0	7.4	7.6	6.7		64.0
66.0				7.2	6.7	5.8			6.9	7.3	6.6	5.6			6.9	7.1	6.4	5.4	66.0
68.0				6.6	6.4	5.4				6.8	6.3	5.3			6.4	6.6	6.1	5.1	68.0
70.0					6.1	5.2				6.3	6.0	5.1				6.2	5.8	4.8	70.0
72.0					5.8	4.9					5.7	4.8				5.7	5.5	4.6	72.0
74.0						4.6					5.4	4.5					5.2	4.3	74.0
76.0						4.4						4.3					4.9	4.1	76.0
78.0												4.1					4.7	3.9	78.0
80.0																		3.7	80.0
82.0																		3.5	82.0
Reeves	2						2						2						Reeves

Working radius (m)

Working radius (m)

Boom length (m)	51.8						Boom length (m)
Jib length (m)	61.0						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	Boom angle (deg)
22.0	15.7						22.0
24.0	15.4						24.0
26.0	15.1						26.0
28.0	14.8						28.0
30.0	14.5						30.0
32.0	13.8	14.5					32.0
34.0	13.1	13.7					34.0
36.0	12.5	13.0					36.0
38.0	11.9	12.4					38.0
40.0	11.4	11.8	12.3				40.0
42.0	10.9	11.3	11.7				42.0
44.0	10.4	10.8	11.2				44.0
46.0	10.0	10.3	10.7				46.0
48.0	9.6	9.9	10.2				48.0
50.0	9.2	9.5	9.7	10.0			50.0
52.0	8.8	9.1	9.3	9.6			52.0
54.0	8.5	8.7	9.0	9.2			54.0
56.0	7.3	8.4	8.6	8.8			56.0
58.0	6.3	8.1	8.3	8.5	7.8		58.0
60.0	5.3	7.8	8.0	8.1	7.3		60.0
62.0	4.4	7.5	7.7	7.7	6.9		62.0
64.0		6.9	7.2	7.3	6.6		64.0
66.0		5.7	6.8	6.9	6.2		66.0
68.0			6.3	6.5	5.9	4.9	68.0
70.0			5.9	6.1	5.6	4.7	70.0
72.0			5.4	5.6	5.3	4.4	72.0
74.0				5.2	5.0	4.2	74.0
76.0				4.8	4.8	3.9	76.0
78.0					4.5	3.7	78.0
80.0					4.2	3.5	80.0
82.0						3.3	82.0
84.0						3.1	84.0
Reeves	2						Reeves

Working radius (m)

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

54.9m Boom Length

Boom length (m)	54.9																		Boom length (m)
Jib length (m)	21.3						24.4						27.4						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
12.0	40.5						40.5												12.0
14.0	40.5						40.5						40.5						14.0
16.0	40.5						40.5						40.5						16.0
18.0	37.2	40.5					37.3						37.3						18.0
20.0	33.9	40.5					34.0	40.5					34.0	40.5					20.0
22.0	31.0	37.7					31.3	37.7					31.3	37.7					22.0
24.0	28.5	34.3	33.7				28.7	34.4					28.8	34.4					24.0
26.0		31.4	30.5				26.5	31.5	30.3				26.7	31.6					26.0
28.0		28.8	27.8				24.5	29.0	27.6				24.7	29.1	27.4				28.0
30.0		26.5	25.5	23.7				26.8	25.3				22.9	26.9	25.1				30.0
32.0			23.5	21.8				24.8	23.3	21.6				24.9	23.2				32.0
34.0			21.7	20.2					21.6	20.0				23.1	21.4	19.8			34.0
36.0				18.8	17.3				20.1	18.6					19.9	18.4			36.0
38.0				17.5	16.2					17.3	16.0				18.6	17.2			38.0
40.0					15.1					16.2	14.9				17.4	16.1	14.7		40.0
42.0					14.2	13.0				15.2	14.0					15.1	13.8		42.0
44.0					13.4	12.3					13.2	12.0				14.2	13.0		44.0
46.0						11.6					12.4	11.3					12.2	11.1	46.0
48.0						10.9						10.7					11.6	10.5	48.0
50.0												10.1						9.9	50.0
52.0																		9.4	52.0
54.0																		8.9	54.0
Reeves	3						3						3						Reeves

Working radius (m)

Boom length (m)	54.9												Boom length (m)
Jib length (m)	30.5						33.5						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
14.0	40.5						39.0						14.0
16.0	40.5						38.4						16.0
18.0	37.3						37.2						18.0
20.0	34.1						34.0						20.0
22.0	31.3	36.9					31.2	36.9					22.0
24.0	28.9	33.9					28.8	33.8					24.0
26.0	26.7	31.2					26.7	31.1					26.0
28.0	24.8	28.8	27.3				24.8	28.7					28.0
30.0	23.1	26.7	25.0				23.2	26.7	24.8				30.0
32.0	21.6	24.8	23.0				21.6	24.8	22.8				32.0
34.0	20.1	23.2	21.3				20.2	23.0	21.1				34.0
36.0		21.6	19.8	18.4			18.9	21.4	19.7				36.0
38.0		20.1	18.5	17.2				20.0	18.3	17.0			38.0
40.0			17.3	16.1				18.8	17.2	15.9			40.0
42.0			16.3	15.1	13.7				16.1	14.9			42.0
44.0				14.2	12.8				15.2	14.0	12.6		44.0
46.0				13.4	12.1				14.3	13.2	11.9		46.0
48.0				12.7	11.4	10.5				12.5	11.2		48.0
50.0					10.8	9.9				11.9	10.6	9.7	50.0
52.0					10.3	9.4					10.1	9.2	52.0
54.0						8.9					9.6	8.7	54.0
56.0						8.5						8.3	56.0
58.0												7.8	58.0
60.0												7.4	60.0
Reeves	3						3						Reeves

Working radius (m)

Note: Ratings according to EN13000.

Ratings shown in [ ] are determined by the strength of the boom or other structural components.

Lifting capacities may vary depending on hook used or with/without auxiliary sheave.

Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

54.9m Boom Length

Boom length (m)	54.9																		Boom length (m)
Jib length (m)	36.6						39.6						42.7						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
16.0	33.4						27.0												16.0
18.0	32.8						27.0						27.0						18.0
20.0	32.2						27.0						27.0						20.0
22.0	30.8						27.0						27.0						22.0
24.0	28.5	33.7					27.0	27.0					27.0						24.0
26.0	26.4	31.1					26.4	27.0					26.4	27.0					26.0
28.0	24.6	28.7					24.6	27.0					24.6	27.0					28.0
30.0	23.0	26.6					23.0	26.6					23.0	26.6					30.0
32.0	21.5	24.8	22.9				21.5	24.6	22.7				21.5	24.5					32.0
34.0	20.2	22.9	21.2				20.2	22.8	21.0				20.2	22.7	20.9				34.0
36.0	19.0	21.3	19.7				19.0	21.2	19.5				19.0	21.1	19.4				36.0
38.0	17.8	19.9	18.4	16.8			17.9	19.8	18.2				17.9	19.7	18.1				38.0
40.0		18.7	17.2	15.7			16.8	18.5	17.0	15.6			16.9	18.5	17.0				40.0
42.0		17.5	16.1	14.8			15.9	17.4	16.0	14.6			16.0	17.4	15.9	14.5			42.0
44.0		16.5	15.2	13.9				16.4	15.1	13.7			15.1	16.4	15.0	13.6			44.0
46.0			14.3	13.1	11.9			15.5	14.2	12.9				15.4	14.1	12.9			46.0
48.0			13.6	12.4	11.2				13.4	12.2	11.0			14.6	13.4	12.1			48.0
50.0				11.7	10.6				12.7	11.6	10.4			13.8	12.7	11.5	10.4		50.0
52.0				11.1	10.1	9.0			12.1	11.0	9.9				12.0	10.9	9.8		52.0
54.0				10.6	9.5	8.5				10.4	9.4	8.3			11.4	10.3	9.3		54.0
56.0					9.1	8.1				9.9	8.9	7.9				9.8	8.8	7.7	56.0
58.0					8.6	7.7					8.5	7.4				9.4	8.4	7.3	58.0
60.0						7.3					8.1	7.0				8.9	8.0	6.9	60.0
62.0						6.9						6.7					7.6	6.6	62.0
64.0												6.3					7.3	6.2	64.0
66.0												6.0						5.9	66.0
68.0																		5.6	68.0
Reeves	3						2						2						Reeves

Working radius (m)

Boom length (m)	54.9												Boom length (m)
Jib length (m)	45.7						48.8						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	25.4						23.0						18.0
20.0	25.1						22.7						20.0
22.0	24.8						22.4						22.0
24.0	24.5						22.1						24.0
26.0	24.2	25.2					21.8						26.0
28.0	23.9	24.9					21.5	22.6					28.0
30.0	22.9	24.6					21.2	22.3					30.0
32.0	21.4	24.3					20.3	22.0					32.0
34.0	20.1	22.6					19.3	21.7					34.0
36.0	19.0	21.0	19.3				18.4	20.8	19.3				36.0
38.0	17.9	19.6	17.9				17.6	19.6	18.0				38.0
40.0	16.9	18.3	16.8				16.6	18.4	16.8				40.0
42.0	15.9	17.2	15.7				15.7	17.3	15.8				42.0
44.0	15.1	16.2	14.8	13.5			14.9	16.2	14.9	13.5			44.0
46.0	14.3	15.3	14.0	12.7			14.2	15.3	14.0	12.7			46.0
48.0	13.2	14.5	13.2	12.0			13.4	14.5	13.2	12.0			48.0
50.0		13.7	12.5	11.3			12.8	13.7	12.5	11.3			50.0
52.0		13.0	11.8	10.7	9.6			13.0	11.9	10.7	9.6		52.0
54.0			11.3	10.2	9.1			12.4	11.3	10.2	9.1		54.0
56.0			10.7	9.7	8.6			11.8	10.7	9.7	8.6		56.0
58.0			10.2	9.2	8.2	7.1			10.2	9.2	8.2		58.0
60.0				8.8	7.8	6.7			9.7	8.8	7.8	6.7	60.0
62.0				8.4	7.4	6.3				8.4	7.4	6.3	62.0
64.0					7.0	6.0				8.0	7.0	6.0	64.0
66.0					6.7	5.7					6.7	5.7	66.0
68.0						5.4					6.4	5.4	68.0
70.0						5.1					6.1	5.1	70.0
72.0												4.9	72.0
74.0												4.6	74.0
Reeves	2						2						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

54.9m Boom Length

Boom length (m)	54.9																		Boom length (m)
Jib length (m)	51.8						54.9						57.9						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
20.0	20.6						18.7												20.0
22.0	20.3						18.5						16.8						22.0
24.0	20.0						18.3						16.6						24.0
26.0	19.7						18.0						16.4						26.0
28.0	19.4	20.3					17.8						16.2						28.0
30.0	19.1	19.4					17.6	18.2					16.0	16.5					30.0
32.0	18.3	18.4					16.9	17.6					15.2	16.0					32.0
34.0	17.3	17.5					16.0	16.8					14.4	15.1					34.0
36.0	16.4	16.6					15.2	15.9					13.7	14.4					36.0
38.0	15.5	15.8	15.9				14.4	15.1	15.3				13.1	13.7					38.0
40.0	14.6	14.9	15.1				13.8	14.3	14.6				12.5	13.0	13.5				40.0
42.0	13.8	14.1	14.3				13.1	13.6	13.9				11.9	12.4	12.9				42.0
44.0	13.0	13.4	13.6				12.5	13.0	13.2				11.4	11.8	12.2				44.0
46.0	12.2	12.6	12.9	12.4			12.0	12.4	12.6				10.9	11.3	11.7				46.0
48.0	11.4	11.9	12.2	11.7			11.5	11.8	12.0	11.6			10.5	10.8	11.2				48.0
50.0	10.7	11.2	11.5	11.0			10.9	11.2	11.4	10.9			10.0	10.4	10.7	10.8			50.0
52.0	9.9	10.5	10.8	10.4			10.2	10.6	10.8	10.4			9.6	9.9	10.2	10.2			52.0
54.0	9.2	9.8	10.2	9.9	8.8		9.6	10.0	10.2	9.8			8.6	9.5	9.8	9.6			54.0
56.0		9.1	9.6	9.4	8.3		8.8	9.4	9.6	9.3	8.2		7.6	9.1	9.2	9.1			56.0
58.0		8.5	9.0	8.9	7.9			8.8	9.1	8.8	7.7		6.6	8.6	8.7	8.7	7.5		58.0
60.0			8.4	8.5	7.4			8.1	8.5	8.4	7.3		5.7	8.0	8.2	8.2	7.1		60.0
62.0			7.8	8.1	7.0	5.9		7.5	8.0	8.0	6.9			7.5	7.8	7.8	6.7		62.0
64.0			7.2	7.6	6.7	5.6			7.4	7.6	6.6	5.5		6.9	7.3	7.4	6.4		64.0
66.0				7.1	6.3	5.3			6.9	7.2	6.2	5.2			6.8	7.0	6.0	5.0	66.0
68.0				6.5	6.0	5.0				6.7	5.9	4.9			6.3	6.5	5.7	4.7	68.0
70.0					5.7	4.7				6.2	5.6	4.6			5.8	6.1	5.4	4.4	70.0
72.0					5.4	4.5					5.3	4.4				5.6	5.1	4.2	72.0
74.0						4.2					5.1	4.1				5.2	4.9	3.9	74.0
76.0						4.0					4.8	3.9					4.6	3.7	76.0
78.0												3.7					4.4	3.5	78.0
80.0												3.5						3.3	80.0
82.0																		3.1	82.0
Reeves	2						2						2						Reeves

Working radius (m)

Boom length (m)	54.9						Boom length (m)
Jib length (m)	61.0						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	Boom angle (deg)
22.0	15.3						22.0
24.0	15.1						24.0
26.0	14.9						26.0
28.0	14.7						28.0
30.0	14.4						30.0
32.0	13.7	14.4					32.0
34.0	13.0	13.7					34.0
36.0	12.4	13.0					36.0
38.0	11.8	12.4					38.0
40.0	11.3	11.8					40.0
42.0	10.8	11.2	11.7				42.0
44.0	10.3	10.7	11.1				44.0
46.0	9.9	10.3	10.6				46.0
48.0	9.5	9.8	10.1				48.0
50.0	9.1	9.4	9.7	10.0			50.0
52.0	8.8	9.0	9.3	9.5			52.0
54.0	7.7	8.7	8.9	9.1			54.0
56.0	6.6	8.3	8.5	8.7			56.0
58.0	5.6	8.0	8.2	8.4			58.0
60.0	4.7	7.7	7.9	7.9	6.9		60.0
62.0	3.8	7.4	7.5	7.5	6.5		62.0
64.0		6.3	7.1	7.1	6.2		64.0
66.0		5.2	6.6	6.7	5.8		66.0
68.0		4.2	6.2	6.3	5.5	4.5	68.0
70.0			5.8	5.9	5.2	4.2	70.0
72.0			5.3	5.5	5.0	4.0	72.0
74.0				5.1	4.7	3.7	74.0
76.0				4.7	4.4	3.5	76.0
78.0					4.2	3.3	78.0
80.0					4.0	3.1	80.0
82.0					3.7	2.9	82.0
84.0						2.7	84.0
86.0						2.5	86.0
Reeves	2						Reeves

Working radius (m)

Note: Ratings according to EN13000.

Ratings shown in [ ] are determined by the strength of the boom or other structural components.

Lifting capacities may vary depending on hook used or with/without auxiliary sheave.

Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

57.9m Boom Length

Boom length (m)	57.9																		Boom length (m)
Jib length (m)	21.3						24.4						27.4						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
12.0	40.5						40.5												12.0
14.0	38.4						38.3						39.5						14.0
16.0	35.4						35.4						35.7						16.0
18.0	33.0	40.5					33.0						32.4						18.0
20.0	30.0	37.3					30.1	36.4					29.6	36.3					20.0
22.0	27.5	33.7					27.6	33.1					27.2	33.0					22.0
24.0	25.2	30.7					25.4	30.2					25.1	30.2					24.0
26.0		28.0	30.1				23.4	27.7	29.9				23.3	27.7					26.0
28.0		25.7	27.5				21.6	25.5	27.3				21.6	25.5	27.2				28.0
30.0		23.6	25.2					23.6	25.0				20.1	23.6	25.0				30.0
32.0			23.2	21.4				21.8	23.0					21.9	23.0				32.0
34.0			21.5	19.8					21.3	19.8				20.4	21.3	19.6			34.0
36.0				18.4					19.8	18.4				19.0	19.8	18.2			36.0
38.0				17.2	15.8				18.5	17.2					18.5	17.0			38.0
40.0				16.1	14.8					16.1	14.5				17.3	15.9			40.0
42.0					13.8					15.1	13.6					14.9	13.6		42.0
44.0					13.0	11.8					12.8					14.0	12.8		44.0
46.0						11.2					12.1	11.1				13.2	12.0		46.0
48.0						10.5					11.4	10.4					11.4	10.2	48.0
50.0												9.9					10.8	9.7	50.0
52.0												9.4						9.2	52.0
54.0																		8.7	54.0
Reeves	3						3						3						Reeves

Working radius (m)

Boom length (m)	57.9												Boom length (m)
Jib length (m)	30.5						33.5						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
14.0	39.4						37.2						14.0
16.0	35.6						35.5						16.0
18.0	32.4						32.3						18.0
20.0	29.6						29.6						20.0
22.0	27.3	33.0					27.2	32.8					22.0
24.0	25.2	30.2					25.1	30.1					24.0
26.0	23.3	27.7					23.3	27.6					26.0
28.0	21.7	25.6					21.7	25.5					28.0
30.0	20.2	23.7	24.8				20.2	23.6	24.6				30.0
32.0	18.9	22.0	22.9				18.9	22.0	22.7				32.0
34.0	17.6	20.5	21.2				17.7	20.5	21.0				34.0
36.0		19.1	19.7	18.1			16.5	19.1	19.6				36.0
38.0		17.9	18.4	16.8				17.9	18.2	16.6			38.0
40.0			17.3	15.8				16.8	17.1	15.6			40.0
42.0			16.2	14.8				15.7	16.0	14.6			42.0
44.0			15.3	13.9	12.6				15.1	13.7			44.0
46.0				13.1	11.9				14.3	13.0	11.7		46.0
48.0				12.4	11.2					12.2	11.0		48.0
50.0					10.6	9.5				11.6	10.4		50.0
52.0					10.1	9.0				11.0	9.9	8.8	52.0
54.0					9.6	8.5					9.4	8.3	54.0
56.0						8.1					8.9	7.8	56.0
58.0						7.7						7.4	58.0
60.0												7.0	60.0
Reeves	3						3						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

57.9m Boom Length

Boom length (m)	57.9																		Boom length (m)
Jib length (m)	36.6						39.6						42.7						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
16.0	27.0						27.0												16.0
18.0	27.0						27.0						27.0						18.0
20.0	27.0						27.0						27.0						20.0
22.0	27.0						27.0						27.0						22.0
24.0	25.1	27.0					25.0	27.0					25.0						24.0
26.0	23.3	27.0					23.2	27.0					23.2	27.0					26.0
28.0	21.6	25.4					21.6	25.3					21.6	25.3					28.0
30.0	20.2	23.6					20.1	23.5					20.1	23.5					30.0
32.0	18.9	21.9	22.6				18.8	21.8					18.8	21.8					32.0
34.0	17.7	20.4	20.9				17.7	20.4	20.7				17.7	20.4	20.6				34.0
36.0	16.6	19.1	19.4				16.6	19.1	19.2				16.6	19.1	19.2				36.0
38.0	15.6	17.9	18.1				15.6	17.9	18.0				15.6	17.9	17.9				38.0
40.0	14.6	16.8	17.0	15.4			14.7	16.8	16.8				14.7	16.8	16.7				40.0
42.0		15.8	15.9	14.5			13.8	15.8	15.8	14.3			13.9	15.8	15.7	14.2			42.0
44.0		14.8	15.0	13.6				14.9	14.8	13.4			13.1	14.9	14.8	13.3			44.0
46.0			14.1	12.8	11.5			14.0	14.0	12.6				14.1	13.9	12.6			46.0
48.0			13.4	12.1	10.9			13.2	13.2	11.9	10.7			13.3	13.2	11.9			48.0
50.0			12.7	11.5	10.3				12.5	11.3	10.1			12.5	12.5	11.2	10.0		50.0
52.0				10.9	9.7				11.9	10.7	9.6				11.8	10.6	9.5		52.0
54.0				10.3	9.2	8.1				10.2	9.1				11.2	10.1	9.0		54.0
56.0					8.8	7.7				9.7	8.6	7.4			10.7	9.6	8.5		56.0
58.0					8.3	7.2				9.2	8.2	7.0				9.1	8.1	6.9	58.0
60.0						6.9					7.8	6.6				8.7	7.7	6.5	60.0
62.0						6.5					7.4	6.3					7.3	6.2	62.0
64.0						6.2						6.0					6.9	5.9	64.0
66.0												5.7						5.6	66.0
68.0																		5.3	68.0
70.0																		5.0	70.0
Reeves	2						2						2						Reeves

Working radius (m)

Boom length (m)	57.9												Boom length (m)
Jib length (m)	45.7						48.8						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	24.5						22.3						18.0
20.0	24.2						22.0						20.0
22.0	23.9						21.7						22.0
24.0	23.6						21.4						24.0
26.0	23.1	24.3					21.1						26.0
28.0	21.5	24.0					20.8	21.9					28.0
30.0	20.0	22.8					19.6	21.6					30.0
32.0	18.7	21.2					18.3	21.1					32.0
34.0	17.6	19.8					17.2	19.8					34.0
36.0	16.5	18.6	19.0				16.2	18.5	19.0				36.0
38.0	15.6	17.5	17.7				15.3	17.4	17.7				38.0
40.0	14.7	16.5	16.5				14.5	16.4	16.6				40.0
42.0	13.8	15.5	15.5				13.7	15.4	15.6				42.0
44.0	13.1	14.7	14.6	13.3			13.0	14.6	14.6				44.0
46.0	12.4	13.9	13.8	12.6			12.3	13.8	13.8	12.4			46.0
48.0	11.7	13.1	13.0	11.9			11.6	13.1	13.0	11.7			48.0
50.0		12.4	12.3	11.2			11.0	12.4	12.3	11.1			50.0
52.0		11.8	11.7	10.6	9.3			11.7	11.7	10.5			52.0
54.0			11.1	10.1	8.8			11.1	11.1	9.9	8.8		54.0
56.0			10.5	9.6	8.3			10.5	10.6	9.4	8.3		56.0
58.0			10.0	9.1	7.9				10.1	9.0	7.9		58.0
60.0				8.7	7.5	6.5			9.6	8.5	7.5		60.0
62.0				8.3	7.1	6.1				8.1	7.1	5.9	62.0
64.0					6.7	5.8				7.8	6.7	5.6	64.0
66.0					6.4	5.5				7.4	6.4	5.3	66.0
68.0					6.1	5.2					6.1	5.0	68.0
70.0						5.0					5.8	4.8	70.0
72.0						4.7						4.5	72.0
74.0												4.3	74.0
76.0												4.1	76.0
Reeves	2						2						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

57.9m Boom Length

Boom length (m)	57.9																		Boom length (m)
Jib length (m)	51.8						54.9						57.9						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
20.0	20.0						18.2												20.0
22.0	19.7						17.9						16.4						22.0
24.0	19.4						17.6						16.2						24.0
26.0	19.1						17.3						16.0						26.0
28.0	18.8						17.0						15.8						28.0
30.0	18.5	19.3					16.7	17.8					15.6						30.0
32.0	18.2	18.3					16.4	17.5					15.2	16.0					32.0
34.0	17.2	17.4					16.0	16.7					14.4	15.1					34.0
36.0	16.3	16.5					15.2	15.9					13.7	14.3					36.0
38.0	15.4	15.7	15.8				14.4	15.1					13.1	13.6					38.0
40.0	14.6	14.9	15.0				13.7	14.3	14.5				12.5	13.0	13.5				40.0
42.0	13.8	14.1	14.2				13.1	13.6	13.8				11.9	12.4	12.8				42.0
44.0	12.9	13.3	13.5				12.5	13.0	13.1				11.4	11.8	12.2				44.0
46.0	12.2	12.6	12.8				12.0	12.4	12.5				10.9	11.3	11.7				46.0
48.0	11.4	11.8	12.1	11.4			11.5	11.8	11.9	11.3			10.4	10.8	11.1				48.0
50.0	10.6	11.1	11.4	10.8			10.9	11.1	11.2	10.7			10.0	10.3	10.6	10.5			50.0
52.0	9.9	10.4	10.8	10.2			10.0	10.5	10.7	10.1			9.0	9.9	10.2	9.9			52.0
54.0	9.2	9.8	10.1	9.6			9.0	9.9	10.1	9.6			7.9	9.5	9.6	9.4			54.0
56.0		9.1	9.5	9.1	7.9		8.0	9.3	9.5	9.1			6.9	9.1	9.1	8.9			56.0
58.0		8.5	8.9	8.7	7.5			8.7	9.0	8.6	7.4		6.0	8.5	8.6	8.4			58.0
60.0			8.3	8.3	7.1			8.1	8.4	8.2	7.0		5.1	8.0	8.2	8.0	6.8		60.0
62.0			7.7	7.9	6.7			7.5	7.9	7.8	6.6			7.5	7.7	7.6	6.4		62.0
64.0			7.2	7.5	6.3	5.2			7.4	7.4	6.2			6.4	7.2	7.2	6.0		64.0
66.0				7.0	6.0	4.9			6.9	7.1	5.9	4.8			6.7	6.8	5.7		66.0
68.0				6.5	5.7	4.6				6.7	5.6	4.5			6.2	6.4	5.4	4.3	68.0
70.0					5.4	4.4				6.2	5.3	4.3			5.7	6.0	5.1	4.0	70.0
72.0					5.1	4.1				5.7	5.0	4.0				5.5	4.8	3.8	72.0
74.0					4.9	3.9					4.8	3.8				5.1	4.6	3.6	74.0
76.0						3.7					4.5	3.6					4.3	3.4	76.0
78.0						3.5						3.4					4.1	3.2	78.0
80.0												3.2					3.9	3.0	80.0
82.0												3.0						2.8	82.0
84.0																		2.6	84.0
Reeves	2						2						2						Reeves

Working radius (m)

Working radius (m)

Boom length (m)	57.9						Boom length (m)
Jib length (m)	61.0						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	Boom angle (deg)
22.0	14.9						22.0
24.0	14.7						24.0
26.0	14.5						26.0
28.0	14.3						28.0
30.0	14.1						30.0
32.0	13.7	14.4					32.0
34.0	13.0	13.7					34.0
36.0	12.4	13.0					36.0
38.0	11.8	12.3					38.0
40.0	11.3	11.7					40.0
42.0	10.8	11.2	11.6				42.0
44.0	10.3	10.7	11.1				44.0
46.0	9.9	10.2	10.6				46.0
48.0	9.5	9.8	10.1				48.0
50.0	9.1	9.4	9.7				50.0
52.0	8.1	9.0	9.2	9.5			52.0
54.0	7.0	8.6	8.9	9.1			54.0
56.0	6.0	8.3	8.5	8.6			56.0
58.0	5.0	8.0	8.2	8.2			58.0
60.0	4.1	7.7	7.9	7.8			60.0
62.0	3.3	6.8	7.4	7.4	6.2		62.0
64.0		5.8	7.0	7.0	5.8		64.0
66.0		4.7	6.6	6.6	5.5		66.0
68.0		3.7	6.1	6.2	5.2		68.0
70.0			5.7	5.8	4.9	3.9	70.0
72.0			5.2	5.4	4.7	3.6	72.0
74.0				5.0	4.4	3.4	74.0
76.0				4.6	4.2	3.2	76.0
78.0				4.2	3.9	3.0	78.0
80.0					3.7	2.8	80.0
82.0					3.5	2.6	82.0
Reeves	2						Reeves

Working radius (m)

Working radius (m)

Note: Ratings according to EN13000.

Ratings shown in [ ] are determined by the strength of the boom or other structural components.

Lifting capacities may vary depending on hook used or with/without auxiliary sheave.

Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

61.0m Boom Length

Boom length (m)	61.0																		Boom length (m)
Jib length (m)	30.5						33.5						36.6						Jib length (m)
Working radius (m) / Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
14.0	35.0						27.0												14.0
16.0	31.6						27.0						27.0						16.0
18.0	28.7						27.0						27.0						18.0
20.0	26.2						26.1						26.1						20.0
22.0	24.1	29.4					24.0						23.9						22.0
24.0	22.2	26.9					22.1	25.8					22.1	25.7					24.0
26.0	20.6	24.6					20.5	23.8					20.5	23.7					26.0
28.0	19.1	22.7					19.0	22.0					19.0	21.9					28.0
30.0	17.8	21.0	24.5				17.7	20.4					17.7	20.3					30.0
32.0	16.6	19.5	22.6				16.6	19.0	22.4				16.5	18.9	22.2				32.0
34.0	15.5	18.1	20.9				15.5	17.7	20.7				15.5	17.7	20.6				34.0
36.0		16.9	19.4				14.5	16.5	19.3				14.5	16.5	19.1				36.0
38.0		15.7	18.1	16.4				15.5	17.9	16.4			13.6	15.5	17.8				38.0
40.0			17.0	15.4				14.5	16.8	15.3			12.8	14.5	16.7	15.2			40.0
42.0			16.0	14.4				13.7	15.8	14.4				13.7	15.7	14.3			42.0
44.0			15.0	13.6	12.2				14.9	13.5				12.9	14.6	13.4			44.0
46.0				12.8	11.5				14.0	12.8	11.2				13.9	12.6			46.0
48.0				12.1	10.8					12.1	10.6				13.1	11.9	10.5		48.0
50.0				11.4	10.2					11.4	10.0				12.4	11.3	9.9		50.0
52.0					9.7	8.5				10.8	9.5					10.7	9.3		52.0
54.0					9.2	8.0					9.0	7.9				10.2	8.9		54.0
56.0						7.6					8.6	7.5					8.4	7.3	56.0
58.0						7.1					8.1	7.1					8.0	6.9	58.0
60.0						6.8						6.7					7.6	6.5	60.0
62.0												6.4						6.2	62.0
64.0																		5.9	64.0
Reeves	3						2						2						Reeves

Boom length (m)	61.0												Boom length (m)
Jib length (m)	39.6						42.7						Jib length (m)
Working radius (m) / Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
16.0	27.0												16.0
18.0	27.0						25.9						18.0
20.0	26.0						25.7						20.0
22.0	23.8						23.8						22.0
24.0	22.0						22.0						24.0
26.0	20.4	23.6					20.3	23.5					26.0
28.0	18.9	21.8					18.9	21.8					28.0
30.0	17.6	20.2					17.6	20.2					30.0
32.0	16.5	18.8					16.5	18.8					32.0
34.0	15.4	17.6	20.4				15.4	17.6	20.3				34.0
36.0	14.5	16.5	18.9				14.5	16.4	18.9				36.0
38.0	13.6	15.4	17.7				13.6	15.4	17.6				38.0
40.0	12.8	14.5	16.5				12.8	14.5	16.5				40.0
42.0	12.0	13.6	15.5	14.1			12.1	13.6	15.4				42.0
44.0		12.8	14.6	13.2			11.4	12.9	14.5	13.2			44.0
46.0		12.1	13.8	12.5			10.7	12.1	13.7	12.4			46.0
48.0		11.4	13.0	11.8				11.5	12.9	11.7			48.0
50.0			12.3	11.1	9.7			10.8	12.2	11.1			50.0
52.0			11.6	10.6	9.2				11.6	10.5	9.1		52.0
54.0				10.0	8.7				11.0	10.0	8.6		54.0
56.0				9.5	8.2				10.4	9.5	8.1		56.0
58.0				9.1	7.8	6.7				9.0	7.7		58.0
60.0					7.4	6.3				8.6	7.3	6.2	60.0
62.0					7.0	6.0					6.9	5.9	62.0
64.0						5.7					6.5	5.6	64.0
66.0						5.4					6.2	5.3	66.0
68.0						5.1						5.0	68.0
70.0												4.7	70.0
Reeves	2						2						Reeves

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

Luffing Jib Lifting Capacities

Counterweight: 90.4 t
Carbody Weight: 27.5 t

Unit: metric ton

61.0m Boom Length

Boom length (m)	61.0																		Boom length (m)
Jib length (m)	45.7						48.8						51.8						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
18.0	23.6																		18.0
20.0	23.3						21.2						19.4						20.0
22.0	23.0						20.9						19.1						22.0
24.0	21.8						20.6						18.8						24.0
26.0	20.2						19.7						18.5						26.0
28.0	18.8	21.6					18.3	21.2					17.5						28.0
30.0	17.5	20.1					17.1	20.0					16.4	18.6					30.0
32.0	16.4	18.7					16.0	18.6					15.4	17.5					32.0
34.0	15.3	17.5					15.0	17.4					14.5	16.4					34.0
36.0	14.4	16.3	18.7				14.1	16.2					13.6	15.4					36.0
38.0	13.5	15.3	17.4				13.3	15.2	17.5				12.9	14.5	15.6				38.0
40.0	12.7	14.4	16.3				12.5	14.3	16.3				12.2	13.6	14.8				40.0
42.0	12.0	13.5	15.2				11.9	13.5	15.3				11.6	12.9	14.0				42.0
44.0	11.3	12.8	14.3				11.2	12.7	14.4				11.0	12.2	13.3				44.0
46.0	10.7	12.1	13.5	12.2			10.6	12.0	13.6	12.1			10.4	11.5	12.6				46.0
48.0	10.1	11.4	12.8	11.5			10.0	11.3	12.8	11.4			9.8	10.9	11.9	11.1			48.0
50.0		10.8	12.1	10.9			9.5	10.7	12.1	10.7			9.5	10.3	11.3	10.4			50.0
52.0		10.2	11.4	10.3				10.1	11.4	10.2			9.1	9.8	10.6	9.9			52.0
54.0		9.6	10.9	9.8	8.3			9.6	10.8	9.6			8.6	9.3	10.0	9.3			54.0
56.0			10.3	9.3	7.9			9.1	10.2	9.2	7.9			8.9	9.4	8.8	7.5		56.0
58.0			9.8	8.8	7.4				9.7	8.7	7.5			8.4	8.8	8.4	7.1		58.0
60.0				8.4	7.0				9.2	8.3	7.1			7.7	8.2	8.0	6.7		60.0
62.0				8.0	6.7	5.6			8.7	7.9	6.7				7.7	7.6	6.3		62.0
64.0				7.7	6.3	5.3				7.5	6.3	5.1			7.1	7.2	5.9		64.0
66.0					6.0	5.0				7.2	6.0	4.9				6.9	5.6	4.4	66.0
68.0					5.7	4.8					5.7	4.6				6.4	5.3	4.2	68.0
70.0						4.5					5.4	4.3				5.9	5.0	3.9	70.0
72.0						4.3					5.2	4.1					4.8	3.7	72.0
74.0						4.1						3.9					4.5	3.5	74.0
76.0												3.7						3.3	76.0
78.0																		3.1	78.0
80.0																		2.9	80.0
Reeves	2						2						2						Reeves

Working radius (m)

Boom length (m)	61.0																		Boom length (m)
Jib length (m)	54.9						57.9						61.0						Jib length (m)
Boom angle (deg)	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	Boom angle (deg)
20.0	17.7																		20.0
22.0	17.4						15.9						14.5						22.0
24.0	17.1						15.7						14.3						24.0
26.0	16.8						15.5						14.1						26.0
28.0	16.5						15.3						13.9						28.0
30.0	15.8	17.3					15.1						13.7						30.0
32.0	14.8	16.5					14.2	15.5					13.5	14.1					32.0
34.0	14.0	15.5					13.5	14.6					13.0	13.6					34.0
36.0	13.2	14.6					12.8	13.7					12.3	12.9					36.0
38.0	12.6	13.8					12.2	13.0					11.8	12.3					38.0
40.0	11.9	13.0	14.1				11.5	12.4					11.2	11.7					40.0
42.0	11.3	12.3	13.4				11.0	11.7	12.8				10.7	11.1	11.6				42.0
44.0	10.8	11.7	12.8				10.5	11.1	12.2				10.3	10.6	11.0				44.0
46.0	10.2	11.1	12.1				10.0	10.7	11.6				9.8	10.2	10.5				46.0
48.0	9.7	10.5	11.5				9.6	10.1	11.1				9.4	9.7	10.0				48.0
50.0	9.3	10.0	10.9	10.3			9.0	9.7	10.5				8.4	9.3	9.6				50.0
52.0	8.9	9.5	10.3	9.8			8.1	9.2	10.0	9.6			7.3	8.9	9.2	9.3			52.0
54.0	8.1	9.1	9.8	9.3			7.1	8.9	9.5	9.1			6.3	8.6	8.8	8.9			54.0
56.0	7.2	8.7	9.2	8.8			6.1	8.5	9.0	8.6			5.3	8.3	8.4	8.4			56.0
58.0		8.3	8.7	8.3	6.9		5.3	8.2	8.5	8.1			4.4	7.9	8.1	8.0			58.0
60.0		7.6	8.1	7.9	6.6		4.4	7.5	8.0	7.7	6.3		3.5	7.2	7.7	7.5			60.0
62.0		7.1	7.6	7.5	6.2			6.5	7.5	7.3	6.0		2.8	6.2	7.3	7.1	5.8		62.0
64.0			7.1	7.1	5.8			5.7	7.1	6.9	5.6			5.2	6.8	6.7	5.4		64.0
66.0			6.8	6.8	5.5			4.8	6.6	6.6	5.3			4.2	6.4	6.4	5.1		66.0
68.0			6.2	6.4	5.2	4.1			6.1	6.2	5.0			3.2	6.0	6.0	4.8		68.0
70.0				6.1	4.9	3.8			5.6	5.8	4.7	3.6			5.6	5.6	4.6		70.0
72.0				5.6	4.7	3.6				5.4	4.5	3.4			4.8	5.2	4.3	3.2	72.0
74.0					4.4	3.4				5.0	4.2	3.2			3.7	4.8	4.0	3.0	74.0
76.0					4.2	3.2				4.6	4.0	2.9				4.5	3.8	2.8	76.0
78.0					4.0	3.0					3.8	2.8				4.1	3.6		78.0
80.0						2.8					3.6						3.4		80.0
82.0						2.6											3.2		82.0
Reeves	2						2						2						Reeves

Working radius (m)

Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

SUPPLEMENTAL DATA FOR CLAMSHELL RATING CHART

- Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
- Deduct weight of bucket, slings and all other load handling accessories from main boom ratings shown.
- 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. The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
- Rated loads do not exceed 66% of minimum tipping loads.
- Ratings are for operation on a firm and level surface, up to 1% gradient.
- At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
- Boom inserts and guy lines must be arranged as shown in the "operator's manual".
- Boom hoist reeving is 16 part line.
- Gantry must be in raised position for all conditions.
- Boom backstops are required for all boom lengths.
- The boom should be erected over the front of the crawlers, not laterally.

(Clamshell bucket lifting)

- The total load that can be lifted is the value for weight of bucket, slings, and all other load handling accessories deducted from main boom ratings shown.
- The weight of bucket and materials must not exceed rated load.
- Optimum bucket should be required according to material.
- Bucket capacity (m^3) x specified gravity of material (ton/m^3) + bucket weight (ton) = rated load.
- Bucket weight must also be decreased according to operating cycle and bucket lowering height.
- Rated loads are determined by stability and boom strength. During simultaneous operations of boom and swing, rapid acceleration or deceleration must be avoided.
- Do not attempt to cast the bucket while swinging or diagonal draw-cutting.

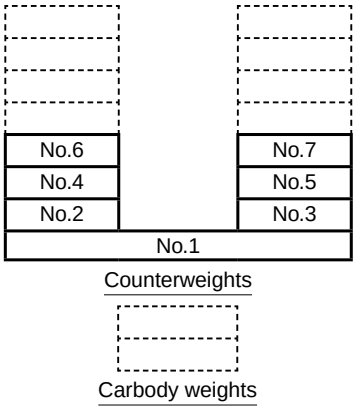
<Reference Information>

Main hoist loads

No. of Parts of Line	1
Maximum Loads (kN)	123
Maximum Loads (t)	12.5

Assembling the counterweight

47.3 ton counterweight
without carbody weight



Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

Clamshell Rating Charts
Crane Boom Capacities

Counterweight: 47.3 t
Without Carbody Weight

Unit: metric ton

Load radius (m) \ Boom length (m)	18.3	21.3	24.4	27.4	30.5	33.5			Boom length (m) \ Load radius (m)
8.0	12.5								**8.0**
9.0	12.5	12.5							**9.0**
10.0	12.5	12.5	12.5						**10.0**
11.0	12.5	12.5	12.5	12.5					**11.0**
12.0	12.5	12.5	12.5	12.5	12.5				**12.0**
13.0	12.5	12.5	12.5	12.5	12.5	12.5			**13.0**
14.0	12.5	12.5	12.5	12.5	12.5	12.5			**14.0**
15.0	12.5	12.5	12.5	12.5	12.5	12.5			**15.0**
16.0	12.5	12.5	12.5	12.5	12.5	12.5			**16.0**
17.0		12.5	12.5	12.5	12.5	12.5			**17.0**
18.0		12.5	12.5	12.5	12.5	12.5			**18.0**
19.0		12.5	12.5	12.5	12.5	12.5			**19.0**
20.0			12.5	12.5	12.5	12.5			**20.0**
21.0			12.5	12.5	12.5	12.5			**21.0**
22.0			12.5	12.5	12.5	12.5			**22.0**
23.0				12.5	12.5	12.5			**23.0**
24.0				12.5	12.5	12.5			**24.0**
25.0					12.5	12.5			**25.0**
26.0					12.5	12.5			**26.0**
27.0					12.5	12.3			**27.0**
28.0						12.0			**28.0**
29.0						11.7			**29.0**
30.0									**30.0**
31.0									**31.0**
32.0									**32.0**
33.0									**33.0**
34.0									**34.0**
35.0									**35.0**
36.0									**36.0**
37.0									**37.0**
38.0									**38.0**
Reeves	1	1	1	1	1	1			**Reeves**

Note: Please refer rated chart in operator's cabin.

SUPPLEMENTAL DATA FOR REDUCED WEIGHTS RATING CHART

- Ratings according to EN13000.
- Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
- Deduct weight of hook block (s), slings and all other load handling accessories from main boom ratings shown.
- 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. The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted loads and operating speeds accordingly.
- Ratings are for operation on a firm and level surface, up to 1% gradient.
- At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
- Boom inserts and guy lines must be arranged as shown in the "operator's manual".
- Boom hoist reeving is 16 part line.
- Gantry must be in raised position for all conditions.
- Boom backstops are required for all boom lengths.
- The boom should be erected over the front of the crawlers, not laterally.
- Ratings inside of boxes ☐ are limited by strength of materials.
- The minimum rated load is 2.4 (ton).

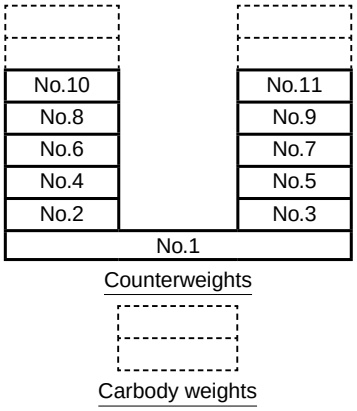
(Crane boom lifting)

- The total load that can be lifted is the value for weight of hook block, slings, and all other load handling accessories deducted from main boom ratings shown.

Counterweight	Carbody weight	Boom lenght	
		Without aux.	With aux.
68.8 ton	Without	15.2 m ～ 76.2 m	15.2 m ～ 73.2 m

Assembling the counterweight

68.8 ton counterweight
without carbody weight



<Reference Information>

Main hoist loads

No. of Parts of Line	1	2	3	4	5
Maximum Loads (kN)	132	265	397	530	662
Maximum Loads (t)	13.5	27.0	40.5	54.0	67.5

No. of Parts of Line	6	7	8	10	12
Maximum Loads (kN)	794	927	1,059	1,324	1,569
Maximum Loads (t)	81.0	94.5	108.0	135.0	160.0

No. of Parts of Line	14	16	18	20	22
Maximum Loads (kN)	1,795	2,010	2,226	2,354	2,452
Maximum Loads (t)	183.0	205.0	227.0	240.0	250.0

Auxiliary hoist loads

No. of Parts of Line	1	2
Maximum Loads (kN)	132	265
Maximum Loads (t)	13.5	27.0

Weight of hook block						
Hook Block	250 t	150 t	100 t	70 t	35 t	Ball Hook
Weight (t)	4.2	2.3	1.8	1.2	0.9	0.45

Operation of this equipment in excess of rated loads
or disregard of instruction voids the warranty.

Reduced Weights Rating Charts
Crane Boom Lifting Capacities

Counterweight: 68.8 t
Without Carbody Weight

Unit: metric ton

Load 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	51.8	Boom length (m) \ Load radius (m)
4.6	4.6m/189.6													4.6
5.0	182.6	5.0m/182.2												5.0
5.5	174.9	174.5	5.5m/174.1											5.5
6.0	167.9	167.5	167.1	6.1m/166.7	6.6m/157.4									6.0
7.0	156.0	155.6	155.2	152.3	145.9	7.1m/135.2	7.7m/119.9							7.0
8.0	127.3	126.9	126.5	126.1	123.1	118.8	114.6	8.2m/107.8	8.7m/96.3					8.0
9.0	104.1	103.9	103.7	103.5	103.3	103.0	99.7	96.8	93.8	9.2m/87.8	9.8m/80.5			9.0
10.0	87.8	87.5	87.2	86.9	86.6	86.3	86.0	85.7	83.3	81.0	78.8	10.3m/74.4	10.8m/68.1	10.0
12.0	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.1	64.4	63.0	61.4	12.0
14.0	53.2	53.2	53.2	53.2	53.2	53.2	53.1	53.1	53.0	53.0	52.9	52.8	51.8	14.0
16.0	14.8m/49.2	44.2	44.2	44.1	44.1	44.0	43.9	43.9	43.8	43.7	43.6	43.5	43.3	16.0
18.0		17.5m/39.0	37.5	37.5	37.4	37.3	37.2	37.2	37.0	36.9	36.8	36.7	36.5	18.0
20.0			32.4	32.4	32.3	32.2	32.0	32.0	31.9	31.8	31.7	31.6	31.4	20.0
22.0			20.1m/32.1	28.4	28.3	28.2	28.0	28.0	27.9	27.8	27.6	27.5	27.3	22.0
24.0				22.7m/27.2	25.1	25.0	24.8	24.8	24.7	24.5	24.4	24.3	24.1	24.0
26.0					25.4m/23.1	22.3	22.2	22.2	22.0	21.9	21.7	21.6	21.4	26.0
28.0						28.0m/20.1	19.9	19.9	19.8	19.6	19.5	19.4	19.1	28.0
30.0							18.1	18.1	17.9	17.7	17.6	17.5	17.2	30.0
32.0							30.7m/17.5	16.5	16.2	16.1	15.9	15.8	15.6	32.0
34.0								33.3m/15.5	14.8	14.7	14.5	14.4	14.1	34.0
36.0									35.9m/13.7	13.5	13.2	13.2	12.9	36.0
38.0										12.4	12.1	12.1	11.8	38.0
40.0										38.6m/12.0	11.2	11.1	10.8	40.0
42.0											41.2m/10.6	10.2	10.0	42.0
44.0												43.9m/9.4	9.2	44.0
46.0													8.4	46.0
48.0													46.5m/8.2	48.0
50.0														50.0
52.0														52.0
54.0														54.0
56.0														56.0
Reeves	16	14	14	14	12	12	10	8	8	7	6	6	6	Reeves

Load radius (m) \ Boom length (m)	54.9	57.9	61.0	64.0	67.1	70.1	73.2	76.2						Boom length (m) \ Load radius (m)
10.0	11.4m/63.3	11.9m/59.0												10.0
12.0	59.9	58.4	12.4m/54.7	12.9m/51.2	13.5m/48.1									12.0
14.0	50.6	49.4	48.4	47.3	46.2	14.0m/45.1	14.5m/42.2	15.1m/39.7						14.0
16.0	43.2	42.6	41.7	40.8	39.9	38.9	38.1	37.2						16.0
18.0	36.4	36.2	36.1	35.6	34.8	34.0	33.3	32.5						18.0
20.0	31.3	31.1	30.9	30.8	30.7	30.0	29.4	28.7						20.0
22.0	27.2	27.0	26.9	26.8	26.6	26.4	26.1	25.4						22.0
24.0	24.0	23.7	23.6	23.5	23.3	23.1	22.9	22.7						24.0
26.0	21.3	21.0	20.9	20.8	20.6	20.4	20.2	20.1						26.0
28.0	19.0	18.8	18.7	18.5	18.3	18.1	18.0	17.9						28.0
30.0	17.1	16.9	16.7	16.6	16.4	16.2	16.0	15.9						30.0
32.0	15.5	15.2	15.1	15.0	14.8	14.5	14.4	14.3						32.0
34.0	14.0	13.8	13.7	13.5	13.3	13.1	12.9	12.8						34.0
36.0	12.8	12.5	12.4	12.3	12.0	11.8	11.7	11.5						36.0
38.0	11.7	11.4	11.3	11.1	10.9	10.7	10.5	10.4						38.0
40.0	10.7	10.4	10.3	10.1	9.9	9.7	9.5	9.4						40.0
42.0	9.8	9.5	9.4	9.3	9.0	8.8	8.6	8.5						42.0
44.0	9.0	8.7	8.6	8.5	8.2	8.0	7.8	7.6						44.0
46.0	8.3	8.0	7.9	7.8	7.5	7.2	7.0	6.8						46.0
48.0	7.6	7.4	7.3	7.1	6.8	6.5	6.3	6.1						48.0
50.0	49.1m/7.3	6.8	6.7	6.5	6.2	5.9	5.7	5.5						50.0
52.0		51.8m/6.2	6.1	5.9	5.6	5.3	5.1	4.9						52.0
54.0			5.6	5.4	5.1	4.8	4.6	4.3						54.0
56.0			54.4m/5.5	4.9	4.6	4.3	4.1	3.8						56.0
58.0				57.1m/4.6	4.1	3.8	3.6	3.3						58.0
60.0					59.7m/3.7	3.4	3.2	2.9						60.0
62.0						2.9	2.8							62.0
64.0						62.3m/2.9	2.4							64.0
66.0														66.0
68.0														68.0
70.0														70.0
Reeves	5	5	5	4	4	4	4	3						Reeves

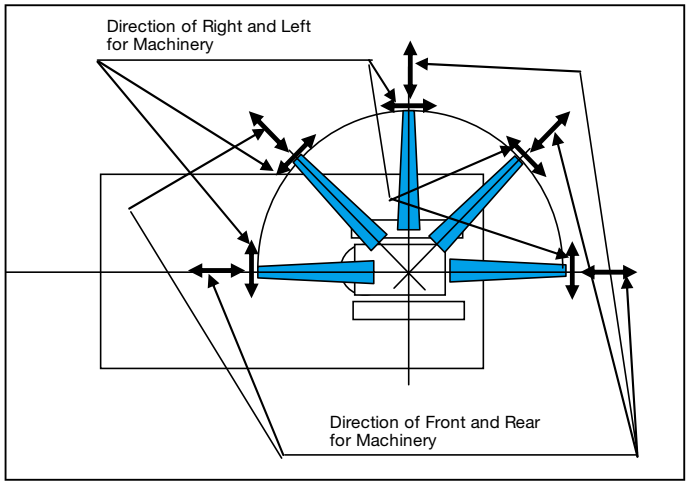
Note: Ratings according to EN13000.
Ratings shown in [ ] are determined by the strength of the boom or other structural components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

SUPPLEMENTAL DATA FOR BARGE RATING CHART

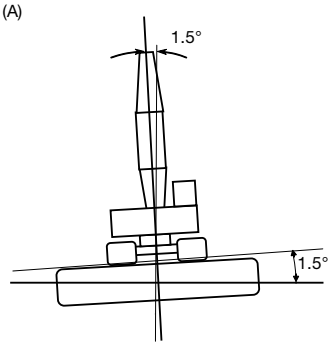
- Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
- Deduct weight of hook block (s), slings and all other load handling accessories from main boom ratings shown.
- Condition of barge stability this rating chart were determined under the condition below. The stability of barge shall meet below condition. During operation the machinery static inclination against horizontal level.

(A) Both sides (right & left) of machine
Maximum inclination shall be within 1.5 degrees

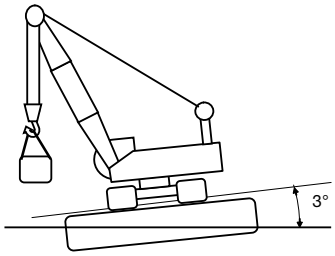
(B) Front & backward of macine
Maximum inclination shall be within 3.0 degrees



(A)



(B)



- Working area shall be inshore and smooth water.
- Applicable regulations for structure japanese construction codes for mobile crane
- Regulation of class of shipping (abs, lloyd, bv, nk, etc) are not adapted.
- At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
- Boom inserts and guy lines must be arranged as shown in the "operator's manual".
- Boom hoist reeving is 16 part line.
- Gantry must be in raised position for all conditions.
- Boom backstops are required for all boom lengths.
- The boom should be erected over the front of the crawlers, not laterally.
- Ratings inside of boxes ▭ are limited by strength of materials.
- The minimum rated load is 2.4 (ton).
- The machinery should be fastened to the deck of the barge to prevent tip over and sliding.
- Towing area
  Towing area shall be within coastal area and quiet wave condition. Offshore and open sea is not considered for this machinery. Depend on the height of wave, counterweight shall be reduced during towing.

(Crane boom lifting)

- The total load that can be lifted is the value for weight of hook block, slings, and all other load handling accessories deducted from main boom ratings shown.

<Reference Information>

Main hoist loads

No. of Parts of Line	1	2	3	4	5
Maximum Loads (kN)	132	265	397	530	662
Maximum Loads (t)	13.5	27.0	40.5	54.0	67.5

No. of Parts of Line	6	7	8	10
Maximum Loads (kN)	794	927	1,059	1,275
Maximum Loads (t)	81.0	94.5	108.0	130.0

Auxiliary hoist loads

No. of Parts of Line	1	2
Maximum Loads (kN)	132	216
Maximum Loads (t)	13.5	22.0

Weight of Hook Block						
Hook Block	250 t	150 t	100 t	70 t	35 t	13.5 t Ball Hook
Weight (t)	4.2	2.3	1.8	1.2	0.9	0.45

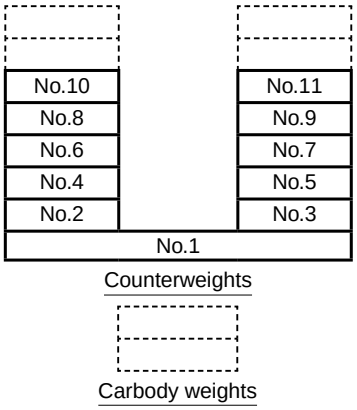
Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

- Counterweight shall be reduced to 68.8 ton, and carbody weight shall be removed.

	On Barge	On Gound (Full c/w)
Boom Length	18.3 m to 54.9 m	15.2 m to 91.4 m
Counterweight	68.8 t	90.4 t
Carbody Weight	None (Removed)	27.5 t

Assembling the counterweight

68.8 ton counterweight
without carbody weight



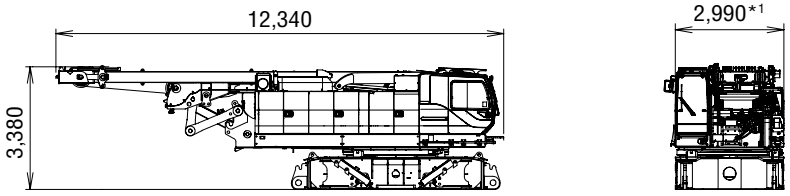
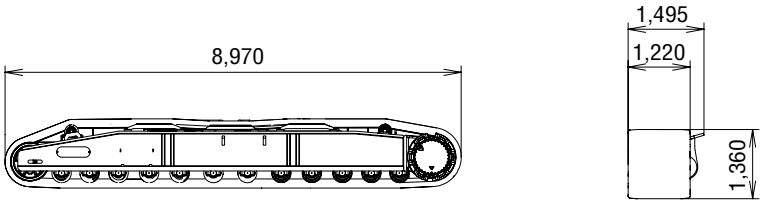
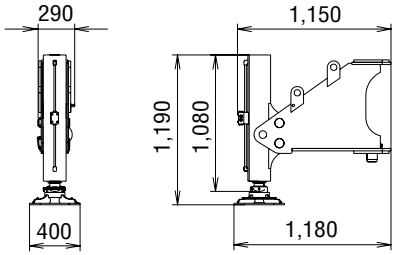
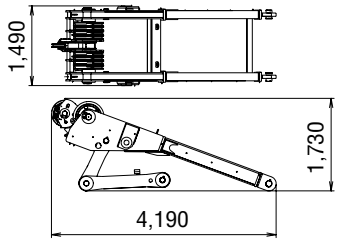
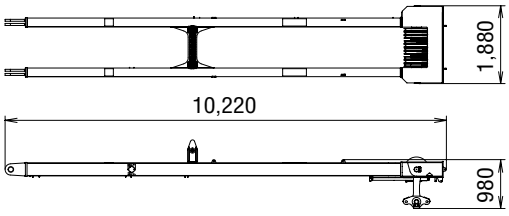
Barge Raiting Chart
Crane Boom Lifting Capacities

Counterweight: 68.8 t
Without Carbody Weight
Crawler Fully Extended
Unit: metric tons

Load radius (m) \ Boom length (m)	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.7	45.7	48.8	51.8	54.9	Boom length (m) \ Load radius (m)
6.0	130.0	6.6m/114.0												**6.0**
7.0	109.0	107.2	7.3m/103.0											**7.0**
8.0	93.5	93.1	92.7	92.5	8.7m/82.5									**8.0**
9.0	82.6	82.2	81.8	81.4	81.1	9.4m/75.0								**9.0**
10.0	73.8	73.4	73.0	72.7	72.4	72.1	10.1m/67.5	10.7m/62.0	11.4m/56.5					**10.0**
12.0	58.4	60.3	59.9	59.6	59.2	58.9	58.6	58.2	55.6	12.1m/52.0	12.8m/48.0	13.5m/43.8		**12.0**
14.0	47.1	48.9	49.1	49.8	49.9	49.6	49.3	49.0	48.7	48.5	46.2	43.2	14.2m/40.5	**14.0**
16.0	38.1	40.1	40.5	41.4	42.1	42.6	42.3	42.0	41.7	41.4	40.9	40.8	38.7	**16.0**
18.0	17.5m/29.6	33.4	34.1	35.0	35.5	36.2	36.7	36.4	36.2	35.9	35.4	35.2	35.0	**18.0**
20.0		26.6	29.2	29.9	30.5	31.0	31.5	31.5	31.3	31.2	31.0	30.8	30.5	**20.0**
22.0		20.1m/26.1	25.3	25.9	26.5	27.0	27.4	27.6	27.4	27.2	27.0	26.8	26.6	**22.0**
24.0			22.7m/23.1	22.8	23.3	23.7	24.0	24.2	24.1	24.0	23.8	23.6	23.4	**24.0**
26.0				25.4m/20.6	20.6	21.1	21.4	21.5	21.6	21.4	21.2	21.0	20.7	**26.0**
28.0					18.4	18.7	19.0	19.2	19.4	19.2	19.0	18.7	18.5	**28.0**
30.0						16.8	17.1	17.3	17.5	17.3	17.1	16.9	16.6	**30.0**
32.0						30.7m/16.1	15.5	15.6	16.0	15.8	15.5	15.3	15.0	**32.0**
34.0							33.3m/14.5	14.2	14.5	14.3	14.1	13.9	13.7	**34.0**
36.0								35.9m/12.9	13.4	13.2	12.9	12.6	12.4	**36.0**
38.0									12.4	12.2	11.9	11.6	11.3	**38.0**
40.0									38.6m/12.1	11.2	10.9	10.6	10.4	**40.0**
42.0										41.2m/10.7	10.1	9.8	9.6	**42.0**
44.0											43.9m/9.3	9.0	8.8	**44.0**
46.0												8.4	8.1	**46.0**
48.0												46.5m/8.3	7.5	**48.0**
50.0													49.1m/7.2	**50.0**
Reeves	10	10	8	7	7	6	5	5	5	4	4	4	3	**Reeves**

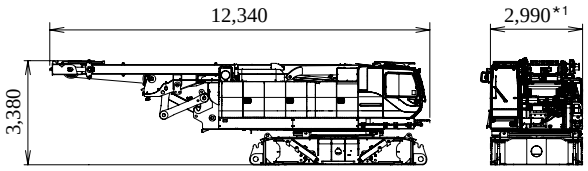
Note: Ratings according to japanese construction codes for mobile cranes and japanese safety ordinance on cranes, etc.
Ratings shown in ☐ are determined by the strength of the boom or other structual components.
Lifting capacities may vary depending on hook used or with/without auxiliary sheave.
Please refer rated chart in operator's cabin.

TRANSPORTATION PLAN

Name	Dimension	Weight (kg)
Base Machine • Gantry • Mast • Wire rope (Front / rear / boom hoist) • Without crawler • Without side steps	 *1 With the side step on cabin side : 3,170 With the side steps on the both sides : 3,340	44,960
Crawler		20,850
Translifter		390
Gantry		3,038
Mast		3,320

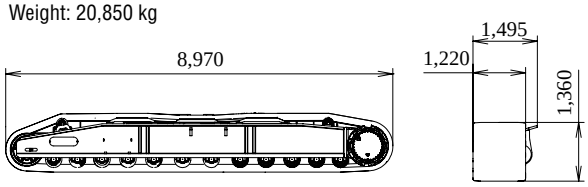
PARTS AND ATTACHMENTS

Base Machine
Gantry, Mast, Wire rope (Front/rear/boom hoist),
Without crawler and side steps
Weight: 44,960 kg

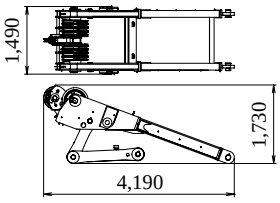


*1 With the side step on cabin side : 3,170
With the side steps on the both sides : 3,340

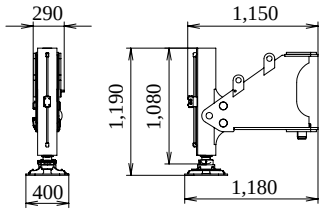
Crawler
Weight: 20,850 kg



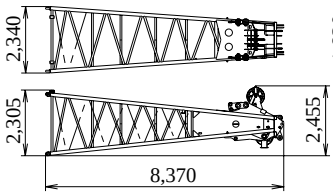
Gantry
Weight: 3,038 kg



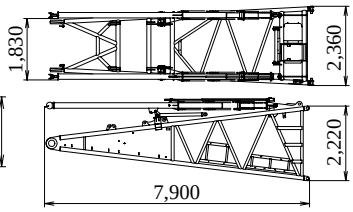
Translifter
Weight: 390 kg



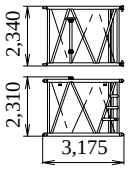
Boom Tip
Weight: 3,665 kg



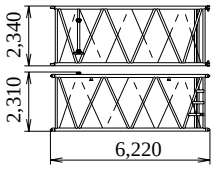
Boom Base
Weight: 4,665 kg



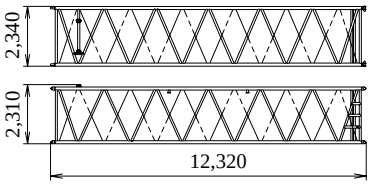
3.0 m
Boom Insert (with Guy Line)
Weight: 890 kg



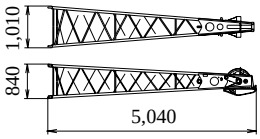
6.1 m
Boom Insert (with Guy Line)
Weight: 1,440 kg



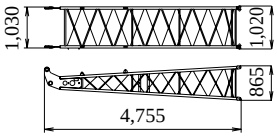
12.2 m
Boom Insert (with Guy Line)
Weight: 2,540 kg



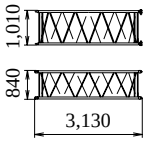
Jib Tip (for Crane)
Weight: 315 kg



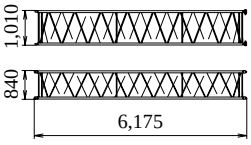
Jib Base (for Crane)
Weight: 210 kg



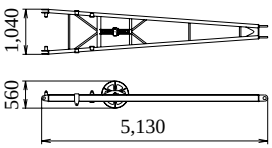
3.0 m
Jib Insert
Weight: 110 kg



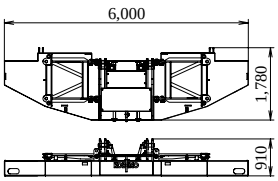
6.1 m
Jib Insert
Weight: 190 kg



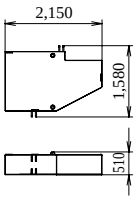
Jib Strut
Weight: 300 kg



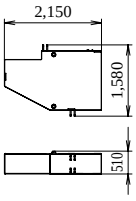
Counterweight (A)
with Hanger
Weight: 15,540 kg



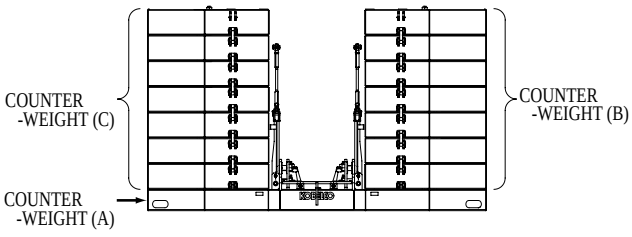
Counterweight (B)
Weight: 5,390 kg / 1 Piece



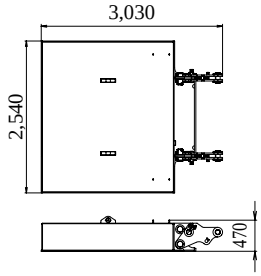
Counterweight (C)
Weight: 5,390 kg / 1 Piece



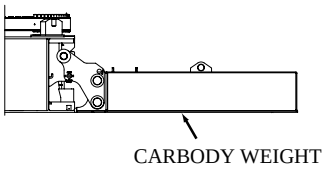
Counterweight Assy



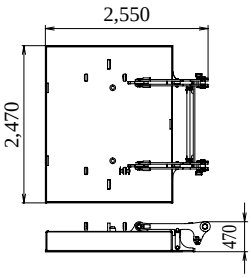
Carbody Weight (with Link)
Weight: 13,675 kg / 1 Piece



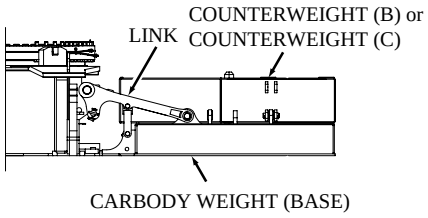
Carbody Weight Assy



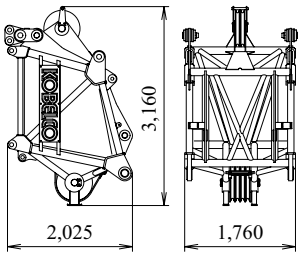
Carbody Weight (with Link)
(Base) (Option)
Weight: 8,270 kg / 1 Piece



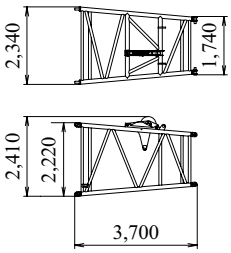
Carbody Weight Assy
(Option)



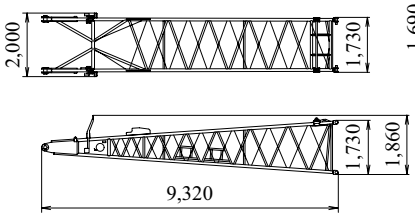
Luffing Boom Tip
Weight: 2,085 kg



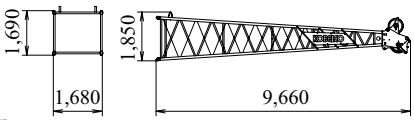
Luffing Taper Boom Insert
Weight: 1,190 kg



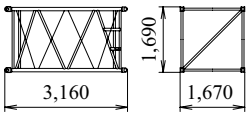
Luffing Jib Base
Weight: 1,470 kg



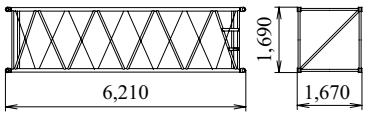
Luffing Jib Tip
Weight: 1,400 kg



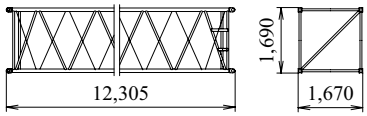
3.0 m Luffing Jib Insert
Weight: 320 kg



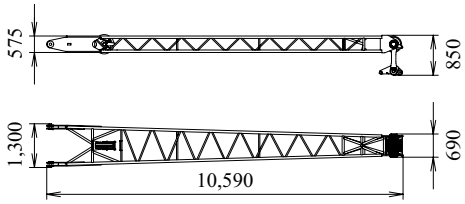
6.1 m Luffing Jib Insert
Weight: 530 kg



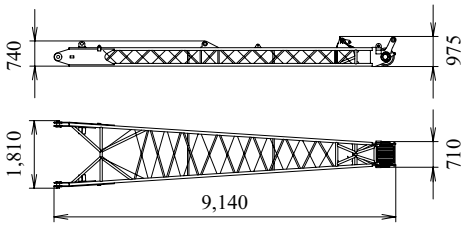
12.2 m Luffing Jib Insert
Weight: 960 kg



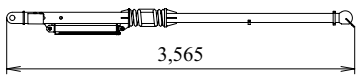
Front Strut (Luffing Jib)
Weight: 1,410 kg



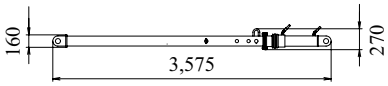
Rear Strut (Luffing Jib)
Weight: 1,510 kg



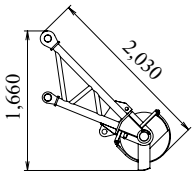
Luffing Jib Backstop
Weight: 260 kg



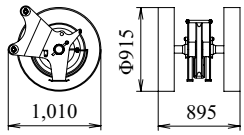
Strut Backstop (Luffing Jib)
Weight: 180 kg



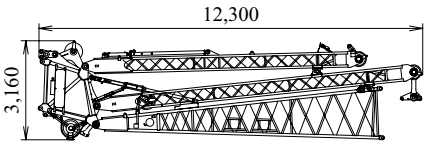
Aux. Sheave
Weight: 290 kg



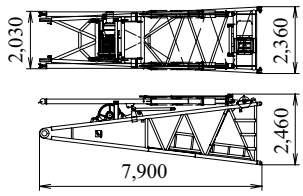
Aux. Sheave (for Luffing Jib)
Weight: 380 kg



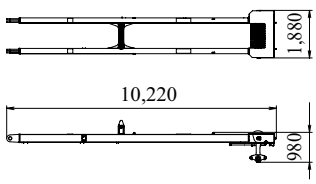
Luffing Boom Tip Assembly
Weight: 6,730 kg



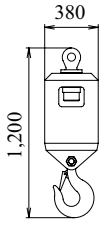
Boom Base (with Winch)
Weight: 6,810 kg



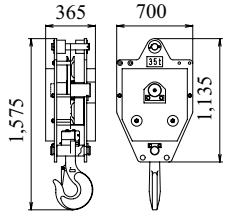
Mast
Weight: 3,320 kg



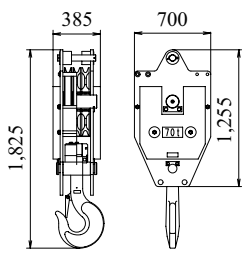
Ball Hook
Weight: 450 kg



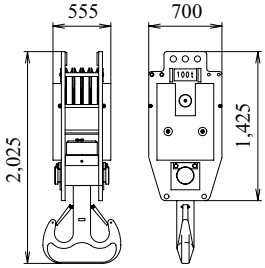
35 t Hook
Weight: 900 kg



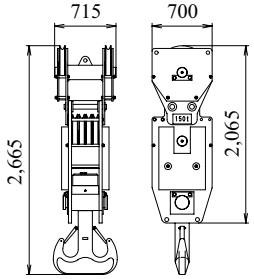
70 t Hook
Weight: 1,200 kg



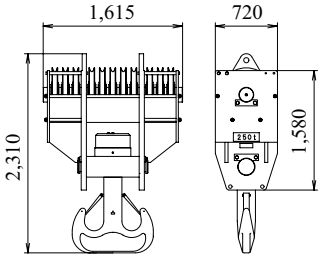
100 t Hook
Weight: 1,800 kg



150 t Hook
Weight: 2,300 kg



250 t Hook
Weight: 4,200 kg



Note: This catalog may contain photographs of machines with specifications, attachments and optional equipment not certified for operation in your country. Please consult KOBELCO for those items you may require. Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

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