

KOBELCO

HYDRAULIC CRAWLER CRANE CKL2500j

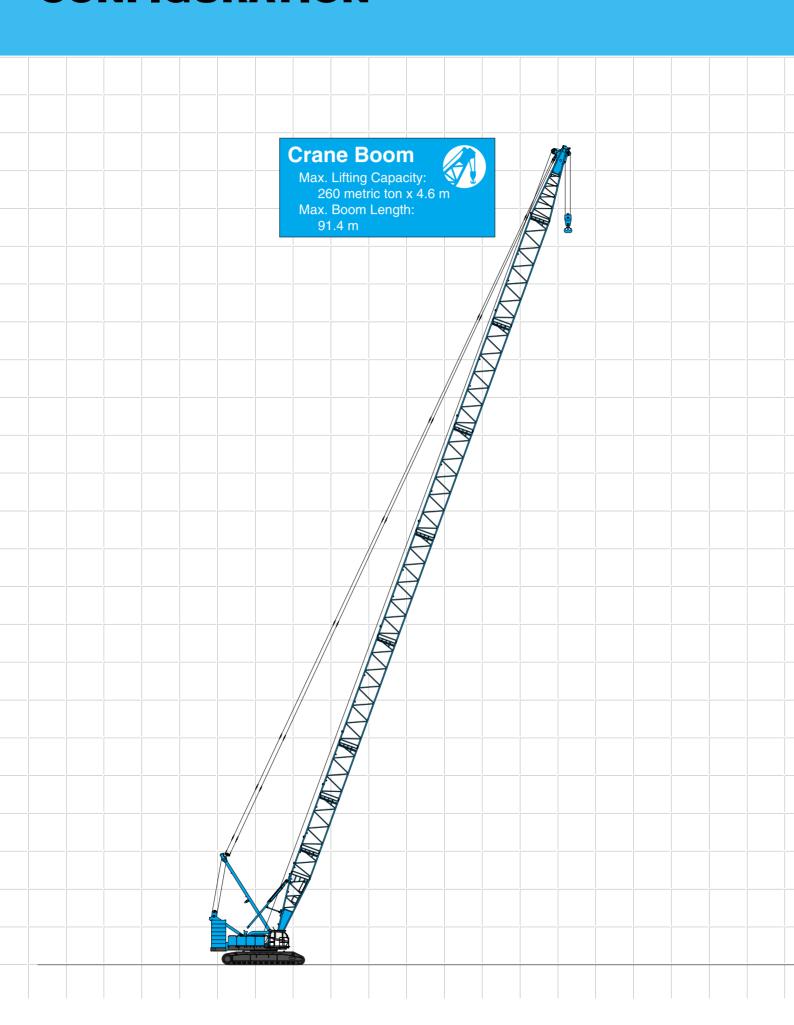
Model: CKL2600i



Max. Lifting Capacity: 260 t x 4.6 m Max. Crane Boom Length: 91.4 m Max. Fixed Jib Combination: 76.2 + 30.5 m



CONFIGURATION



Fixed Jib Max. Lifting Capacity: 27 metric ton x 10.4 m Max. Combination: 76.2 m + 30.5 m

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SPECIFICATIONS



Power Plant

Model: Hino diesel engine P11C-UN

Type:Water-cooled, direct fuel injection, with turbocharger Compiles with NRMM (Europe) Stage IIIA and US EPA Tier III.

Displacement: 10.520 liters

Rated Power:247 kW at 2,000 min⁻¹ {rpm} (ISO)

Max. torque: 1,300 N·m/1,500 min-1

Cooling system: Liquid, recirculating bypass

Starter: 24 V/6.0 kW

Radiator: Corrugated type core, thermostatically controlled Air cleaner: Dry type with replaceable paper element Throttle: Electric throttle control, twist grip type

Fuel filter: Replaceable paper element

Batteries: Two 12V, 150Ah/20HR capacity batteries, series con-

nected.

Fuel tank capacity: 370 liters



Hydraulic System

Four variable displacement piston pumps are driven by heavyduty pump drive. Two of variable displacement pumps are used in the main hook hoist circuit, auxiliary hook hoist circuit, jib 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 drum and propel. 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 funed bypash singuits.

ual fused branch circuits.

Max. relief valve pressure:

Load hoist, boom hoist and propel system:

31.9 MPa {325 kgf/cm²}

Swing system: 27.5 MPa {280 kgf/cm²} Control system: 5.4 MPa {55 kgf/cm²}

Reservoir capacity: 600 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: Double line on first drum layer **Hoisting/Lowering:** 22 to 2 m/min x 2

Diameter of wire ropes

Boom guy line: 38 mm

Boom hoist reeving: 16 parts of 26 mm dia. high strength

wire rope

Boom backstops: 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 multipledisc 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:

617.1 mm P.C.D. x 833.7 mm Lg. wide drum, grooved for 25 mm wire rope. Rope capacity is 480 m working length and 600 m storage length.

Rear drum:

617.4 mm P.C.D. x 833.7 mm Lg. wide drum, grooved for 25 mm wire rope. Rope capacity is 390 m working length and 600 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 to 3 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: 2.0 min⁻¹ {rpm}



Upper Structure

Torsion-free precision machined upper frame. All components are located clearly and service friendly. Engine with low noise level. Complies with EC Directive 2000/14/EC.

Counterweight: 90.0 t





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: 24.0 t

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): 68 shoes, 1,220 mm wide each crawler (Optional 1,330 mm shoe is availavle)

Max. travel speed: 1.1/0.7 km/h

Max. gradeability: 30%



Weight

Including upper and lower machine, 90.0 ton counterweight and 24.0 ton carbody weight, basic boom (or basic boom + basic jib), hook, and other accessories.

SpecificationWeightGround pressureCrane boomApprox. 214 t, 109 kPa {1.11 kgf/cm²}Fixed jibApprox. 215 t, 109 kPa {1.11 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	91.4 m		
Fixed Jib	27.4 m + 12.2 m	76.2 m + 30.5 m		

Main Specifications (Model: CKL2600i)

Crane Boom				
Max. Lifting Capacity	260 t/4.6 m			
Max. Length	91.4 m			
Fixed Jib				
Max. Lifting Capacity	27 t/10.4 m			
Max. Length	30.5 m			
Max. Combination	76.2 m + 30.5 m			
Luffing Jib : OPTIONAL				
Max. Lifting Capacity	80 t/9.8 m			
Jib Length	21.3 m ~ 61.0 m			
Max. Combination	61.0 m + 61.0 m			
Luffing Angle	63° ~ 88°			
Main & Aux. Winch				
Max. Line Speed	100 m/min (1st layer)			
Rated Line Pull (Single Line)	132 kN {13.5 tf}			
Wire Rope Diameter	25.4 mm			
Wire Rope Length	480 m (Main) 390 m (Aux.)			
Brake Type	Spring set hydraulically released (Negative)			
Free-Fall Brake Type	Wet-type multiple disc brake (Optional)			
Working Speed				
Swing Speed	2.0 min ⁻¹ {2.0 rpm}			
Travel Speed	1.1/0.7 km/h			

Hino P11C-UN			
247 kW/2,000 min ⁻¹ {rpm}			
370 liters			
4 variable displacement			
31.9 MPa {325 kgf/cm²}			
600 liters			
Standard			
Approx. 214 t			
109 kPa {1.11 kgf/cm²}			
Counterweight 90.0 t (Upper), 24.0 t (Lower)			
Approx. 46.0 t			

^{*} Including upper and lower machine, 90.0 t counterweight and 24.0 t carbody weight, basic boom, hook, and other accessories.

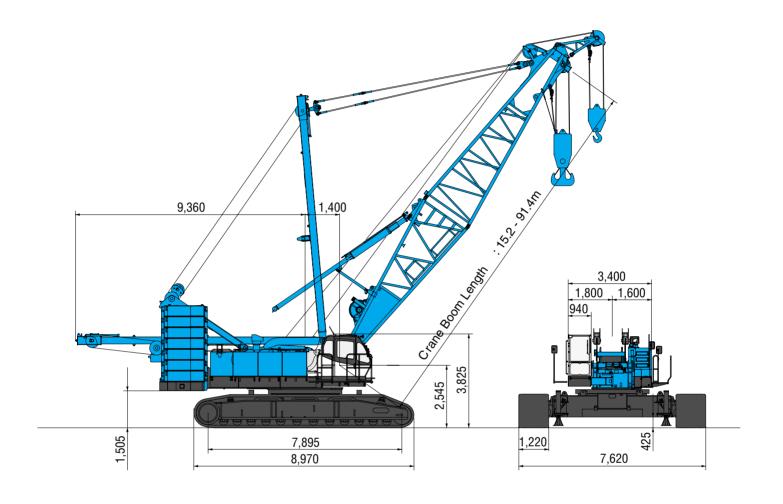
Units are SI units. { } indicates conventional units.

^{**} Base machine with trans-lifter, main and aux. winches (non-free fall) including wire rope, and boom hoist winch including wire rope.

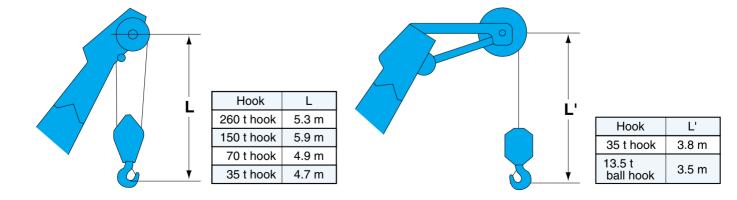


GENERAL DIMENSIONS

Crane Boom (Unit: mm)



Limit of Hook Lifting





BOOM AND JIB ARRANGEMENTS

Crane Boom Arrangements

Boom length m (ft)	Boom arrangement
15.2 (50)	BĪT
18.3 (60)	B 10 T
21.3 (70)	★ B 10 10 T B 20 T
24.4 (80)	★ ■ 10 20 T
27.4 (90)	* B[0]10 20 T B 20 20 T B 40 T
30.5 (100)	
33.5 (110)	# B 10 10 20 20 T B 10 10 40 T
36.6 (120)	★ ■ 10 20 40 T
39.6 (130)	B 10 10 20 40 T B 20 20 40 T B 40 40 T
42.7 (140)	# B 10 20 20 40 T
45.7 (150)	# B 10 10 20 20 40 T B 10 10 40 40 T
48.8 (160)	※ ■ 10 20 40 40 T
51.8 (170)	# B 10 10 20 40 40 T B 20 20 40 40 T B 40 40 T

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

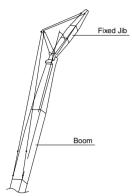
its 	
Boom length m (ft)	Boom arrangement
54.9 (180)	** B 10 20 20 40 40 T B 10 40 40 40 T
57.9 (190)	B 10 10 20 20 40 40 T B 20 40 40 40 T
61.0 (200)	* B 10 20 40 40 T
64.0 (210)	** <
67.1 (220)	** B 10 20 20 40 40 40 T B 10 40 40 40 T
70.1 (230)	B 10 10 20 20 40 40 T B 20 40 40 40 T
73.2 (240)	※ ■ 10 20 40 40 40 40 T
76.2 (250)	** *B 10 10 20 40 40 40 40 T ** *B 20 20 40 40 40 40 T ** *B 40 40 40 40 T
79.3 (260)	** *B 10 20 20 40 40 40 40 T ** *B 10 40 40 40 40 T
82.3 (270)	** *B 10 10 20 20 40 40 40 40 T ** *B 10 10 40 40 40 40 T ** *B 20 40 40 40 40 40 T
85.3 (280)	★ ■ 10 20 40 40 40 40 40 1
88.4 (290)	** *B 10 10 20 40 40 40 40 40 T ** *B 20 20 40 40 40 40 40 T
91.4 (300)	★ ■ 10 20 20 40 40 40 40 40 T

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
	12.2 (40)	B 10 T
27.4 m	18.3 (60)	B 10 20 T
76.2 m	24.4 (80)	B 10 20 20 T
	30.5 (100)	B 10 20 20 20 T

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

Hook Blocks

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

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Hooks	\\\ \= \dagger = \dagger \(\langle \)	No. of sheaves	No. of lines and max. rated loads (t)							
HOOKS	Weight (kg)		1	2	3	4	5	6	7	8
260-t	4,160	11	-	-	-	54.0	-	81.0	-	108.0
150-t	2,300	6	-	-	40.5	54.0	67.5	81.0	94.5	108.0
70-t	1,200	3	-	27.0	40.5	54.0	67.5	70.0	-	-
35-t	900	1	-	27.0	35.0	-	-	-	-	-
13.5-t ball hook	450	0	13.5	-	-	-	-	-	-	-

Hooks	Weight (kg)	(kg) No. of sheaves	No. of lines and max. rated loads (t)							
1100K5	vveigni (kg)		9	10	12	14	16	18	20	22
260-t	4,160	11	-	135.0	160.0	183.0	205.0	227.0	240.0	260.0
150-t	2,300	6	121.5	135.0	150.0	-	-	-	-	-
70-t	1,200	3	-	-	-	-	-	-	-	-
35-t	900	1	-	-	-	-	-	-	-	-
13.5-t ball hook	450	0	-	-	-	-	-	-	-	-

Main Hoist Drum Rated Loads in Metric Tons									
No. of Parts of Line	1	2	3	4	5	6	7	8	
Max. Loads (t)	13.5	27.0	40.5	54.0	67.5	81.0	94.5	108.0	
No. of Parts of Line	9	10	12	14	16	18	20	22	
Max. Loads (t)	121.5	135.0	160.0	183.0	205.0	227.0	240.0	260.0	

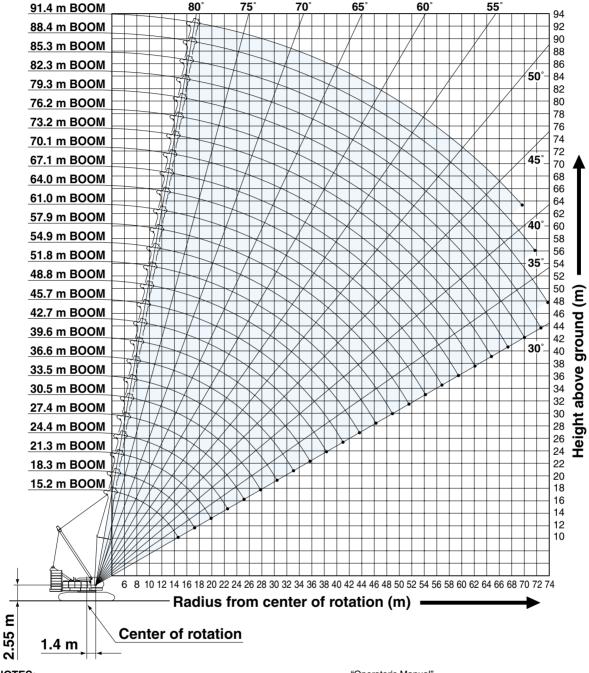
Symbols for Attachments:





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. 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, 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. When erecting or lowering the boom length of 88.4 m or over, the pillow plate for erection must be placed at the end of crawlers.
- 15. Instruction in the "Operator's Manual" must be strictly observed when operating the machine.
- Crane boom ratings: Deduct weight of hook block, slings, and all other load handling accessories from crane boom ratings shown.
- 17. Auxiliary sheave ratings for crane boom: Deduct weight of hook block, slings, and all other load handling accessories from auxiliary sheave ratings for crane boom shown.
- 18. Crane boom lengths for auxiliary sheave mounting are 15.2 m to 88.4 m





Crane Boom Lifting Capacity

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

Boom Length Working (m) radius (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	4.6 m/260.0													4.6
5.0	230.7	226.7	5.5m /205.0											5.0
6.0	191.5	191.5	191.1		6.6 m/174.5									6.0
7.0	165.9	165.6	165.2	165.0	164.7	7.1 m/154.2	7.7 m/143.8							7.0
8.0	146.1	145.8	145.4	145.2	144.9	144.6	141.4	8.2 m/127.3	8.7 m/115.7					8.0
9.0	130.4	130.1	129.8	129.6	129.2	127.0	127.3	123.8	114.8	9.2 m/107.2	9.8 m/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	10.3 m/92.6	10.8 m/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	14.8 m/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		17.5 m/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				22.7 m/37.6	34.8	34.7	34.5	34.4	34.3	34.2	34.0	33.8	33.7	24.0
26.0					25.4 m/32.3	31.3	30.9	30.8	30.7	30.7	30.4	30.3	30.1	26.0
28.0						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							30.7 m/24.8	23.4	23.1	23.0	22.7	22.6	22.4	32.0
34.0								33.3 m/22.1	21.2	21.1	20.8	20.7	20.5	34.0
36.0									35.9 m/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										38.6 m/17.6	16.4	16.3	16.1	40.0
42.0											41.2 m/15.7	15.2	14.9	42.0
44.0												43.9 m/14.2	13.9	44.0
46.0													13.0	46.0
48.0													46.5 m/12.8	48.0
Reeves	22	18	16	14	14	12	12	10	10	8	8	7	7	Reeves

Boom Length Working (m) radius (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	11.4 m/81.4	11.9 m/76.1												10.0
12.0	78.0	75.5	12.4 m/68.8	12.9 m/67.5	13.5 m/63.8									12.0
14.0	66.5	65.2	63.3	62.5	61.3	59.4	14.5 m/54.5	15.1 m/49.1	15.6 m/44.7					14.0
16.0	57.5	56.4	55.4	54.2	53.2	51.2	51.1	48.4	44.5	16.1 m/40.9	16.6 m/37.4	17.2 m/33.8	17.7 m/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	49.1 m/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		51.8 m/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			54.4 m/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				57.1 m/8.1	7.7	7.3	7.1	6.9	6.6	6.3	6.1	5.9	5.6	58.0
60.0					59.7 m/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						62.3 m/6.1	5.5	5.3	5.0	4.6	4.4	4.3	4.0	64.0
66.0							65.0 m/5.3	4.8	4.5	4.2	4.0	3.8	3.5	66.0
68.0								67.6 m/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									70.2 m/3.6	2.9	2.7	2.5		72.0
74.0										72.9 m/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.

Refer to notes P12.





Auxiliary Sheave Lifting Capacity for Crane Boom

Unit: metric ton

(With	70 t	: Mai	in Ho	ook)					Counterweight: 90.0 t, Carbody weight: 24.0 t							
Boom Length Working (m) radius (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)		
5.0	5.4 m/27.0	5.8 m/27.0												5.0		
6.0	27.0	27.0	6.3 m/27.0	6.9 m/27.0										6.0		
7.0	27.0	27.0	27.0	27.0	7.4 m/27.0	7.9 m/27.0								7.0		
8.0	27.0	27.0	27.0	27.0	27.0	27.0	8.5 m/27.0							8.0		
9.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	9.5 m/27.0					9.0		
10.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	10.6 m/27.0	11.1 m/27.0	11.6 m/27.0	10.0		
12.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	12.0		
14.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	14.0		
16.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	16.0		
18.0	16.5 m/27.0	19.2 m/27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	18.0		
20.0			27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	20.0		
22.0			21.8 m/27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	22.0		
24.0				27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	24.0		
26.0				24.4 m/27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	26.0		
28.0					27.1 m/26.6	26.4	26.5	26.4	26.3	26.2	25.9	25.8	25.6	28.0		
30.0						29.7 m/23.5	24.0	23.9	23.7	23.7	23.4	23.3	23.1	30.0		
32.0							32.4 m/21.0	21.9	21.6	21.5	21.2	21.1	20.9	32.0		
34.0								19.9	19.7	19.6	19.3	19.2	19.0	34.0		
36.0								35.0 m/18.9	17.8	18.0	17.7	17.6	17.4	36.0		
38.0									37.6 m/16.3	16.5	16.2	16.1	15.9	38.0		
40.0										15.0	14.9	14.8	14.6	40.0		
42.0										40.3 m/14.8	13.6	13.7	13.4	42.0		
44.0											42.9 m/13.0	12.6	12.4	44.0		
46.0												45.6 m/11.7	11.5	46.0		
48.0													10.6	48.0		
50.0													48.2 m/10.5	50.0		
Dooyoo	2	2	2	2	2	2	2	2	2	2	2	2	2	Dooyoo		

Boom Length Working (m) radius (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	Boom Length (m) Working radius (m)
12.0	12.2 m/27.0	12.7 m/27.0	13.2 m/27.0	13.7 m/27.0									12.0
14.0	27.0	27.0	27.0	27.0	14.3 m/27.0	14.8 m/27.0	15.3 m/27.0	15.9 m/27.0					14.0
16.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	16.4 m/27.0	16.9 m/27.0	17.4 m/27.0		16.0
18.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	18.0
20.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	20.0
22.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	22.0
24.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	24.0
26.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	26.5	25.8	25.3	24.8	26.0
28.0	25.4	25.3	25.1	24.9	24.8	24.5	24.4	24.3	23.9	23.3	22.8	22.4	28.0
30.0	22.9	22.7	22.6	22.3	22.2	22.0	21.8	21.7	21.5	21.1	20.6	20.2	30.0
32.0	20.7	20.5	20.4	20.1	20.0	19.8	19.6	19.5	19.3	19.0	18.7	18.3	32.0
34.0	18.8	18.6	18.5	18.2	18.1	17.9	17.7	17.6	17.4	17.1	16.9	16.6	34.0
36.0	17.1	17.0	16.8	16.6	16.4	16.2	16.0	15.9	15.7	15.4	15.3	15.1	36.0
38.0	15.7	15.5	15.4	15.1	15.0	14.7	14.5	14.4	14.2	13.9	13.8	13.7	38.0
40.0	14.4	14.2	14.0	13.8	13.7	13.4	13.2	13.1	12.9	12.6	12.4	12.3	40.0
42.0	13.2	13.0	12.9	12.6	12.5	12.2	12.0	11.9	11.7	11.4	11.3	11.2	42.0
44.0	12.2	12.0	11.8	11.5	11.4	11.1	11.0	10.8	10.6	10.3	10.2	10.1	44.0
46.0	11.2	11.0	10.9	10.6	10.5	10.2	10.0	9.9	9.7	9.4	9.2	9.1	46.0
48.0	10.4	10.1	10.0	9.7	9.6	9.3	9.2	9.0	8.8	8.5	8.3	8.2	48.0
50.0	9.6	9.4	9.2	8.9	8.8	8.5	8.4	8.2	8.0	7.6	7.4	7.3	50.0
52.0	50.8 m/9.3	8.7	8.5	8.2	8.1	7.8	7.6	7.4	7.2	6.8	6.6	6.5	52.0
54.0		53.5 m/8.2	7.8	7.6	7.4	7.1	6.9	6.7	6.4	6.1	5.9	5.7	54.0
56.0			7.1	6.9	6.8	6.4	6.2	6.0	5.7	5.4	5.2	5.0	56.0
58.0			56.1 m/7.1	6.2	6.2	5.8	5.6	5.4	5.1	4.8	4.6	4.4	58.0
60.0				58.8 m/5.9	5.6	5.2	5.0	4.8	4.5	4.2	4.0	3.8	60.0
62.0					61.4 m/5.2	4.7	4.5	4.3	4.0	3.6	3.4	3.3	62.0
64.0						4.2	4.0	3.8	3.5	3.1	2.9	2.8	64.0
66.0							3.5	3.3	3.0	2.7	2.5		66.0
68.0							66.7 m/3.3	2.8	2.6				68.0
70.0								69.3 m/2.5					70.0
Reeves	2	2	2	2	2	2	2	2	2	2	2	2	Reeves

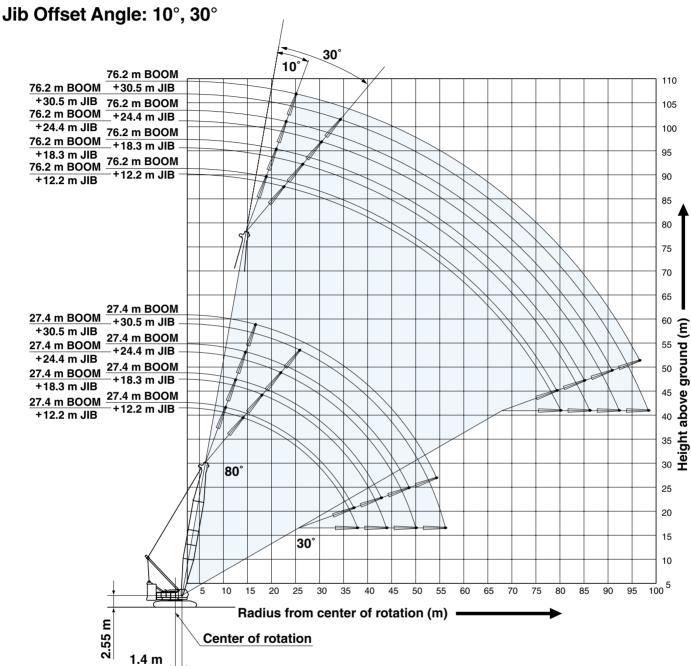
Note: Ratings according to EN13000.

Ratings shown in _____are determined by the strength of the boom or other structural components.

Refer to notes P12.



Fixed Jib Working Ranges



NOTES:

- 1. Ratings according to EN13000.
- 2. Ratings in metric tons for 360° working area.
- 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, 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.
- Ratings shown in ______ are determined by the strength of the boom or other structural component.
- 14. When erecting or lowering the boom length of 76.2 m, the pillow plate for erection must be placed at the end of crawlers.
- 15. Instruction in the "Operator's Manual" must be strictly observed when operating the machine.
- 16. Fixed jib ratings: Deduct weight of jib hook block, slings, and all other load handling accessories from fixed jib ratings shown.
- 17. Crane boom lengths for fixed jib mounting are 27.4 m to 76.2 m.
- 18. 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)

Counterweight: 90.0 t, Carbody weight: 24.0 t

Jib	Offse	t Angle:	10°
		07.4	

_	Boom length (m) 27.4					36.6 4					45.7 54.9						=		
Boor	n length (m)		27	.4			36	5.6			45	5.7			54	1.9		Boom lengt	n (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)
	10.0	10.4 m/27.0																10.0	
	12.0	25.5	12.5 m/21.2			26.6				13.6 m/26.5								12.0	
	14.0	24.3	20.4	14.6 m/12.1		25.5	14.1 m/21.2			26.3	15.7 m/21.2			15.2 m/26.4				14.0	
	16.0	23.0	19.3	11.8	16.7 m/6.8	24.5	20.3	16.2 m/12.1		25.4	21.0	17.8 m/12.1		26.2	17.3 m/21.1			16.0	
	18.0	21.8	18.4	11.2	6.5	23.6	19.4	11.7	18.3 m/6.8	24.6	20.2	12.1	19.9 m/6.7	25.4	20.9	19.4 m/12.1		18.0	
	20.0	20.7	17.5	10.7	6.2	22.7	18.6	11.2	6.5	23.8	19.5	11.6	6.7	24.7	20.2	12.0	21.5 m/6.8	20.0	
	22.0	19.8	16.8	10.3	5.9	21.9	17.9	10.8	6.2	23.0	18.8	11.3	6.4	23.9	19.5	11.6	6.7	22.0	
	24.0	18.9	16.1	9.9	5.6	21.2	17.2	10.4	5.9	22.2	18.1	10.9	6.2	23.2	18.9	11.3	6.4	24.0	
	26.0	18.1	15.4	9.4	5.3	20.5	16.6	10.1	5.7	21.5	17.5	10.5	5.9	22.5	18.3	10.9	6.2	26.0	<
Working radius (m)	28.0	17.3	14.3	9.1	5.1	19.8	16.1	9.7	5.4	20.7	17.0	10.2	5.7	21.9	17.8	10.6	6.0	28.0	Working radius (m)
adiu	30.0	16.7	13.4	8.7	4.9	19.1	15.5	9.4	5.2	20.0	16.5	9.9	5.5	21.3	17.3	10.3	5.8	30.0	gi
ng r	34.0	15.5	11.9	8.1	4.5	17.8	13.8	8.7	4.8	18.6	15.6	9.3	5.1	20.1	16.4	9.8	5.4	34.0	gi.
orki	38.0	37.1 m/14.5	10.7	7.6	4.2	16.4	12.4	8.2	4.5	17.1	14.0	8.8	4.8	17.4	15.6	9.2	5.1	38.0	l s
>	42.0		9.8	7.1	3.9	15.3	11.3	7.7	4.2	15.5	12.8	8.3	4.5	14.9	14.2	8.8	4.8	42.0	ᅴ
	46.0		42.9 m/9.7	6.8	3.7	45.1 m/14.4	10.5	7.3	4.0	13.6	11.8	7.9	4.2	12.8	13.1	8.3	4.5	46.0	
	50.0			48.6 m/6.6	3.5		9.8	7.0	3.8	11.9	11.0	7.5	4.0	11.1	11.6	8.0	4.3	50.0	
	54.0				3.2		50.8 m/9.6	6.7	3.6	53.0 m/10.9	10.3	7.2	3.8	9.7	10.1	7.6	4.1	54.0	
	58.0				54.3 m/3.1			56.5 m/6.5	3.4		9.7	6.9	3.7	8.5	8.9	7.3	3.9	58.0	
	62.0								3.2		58.7 m/9.6	6.7	3.5	60.9 m/7.8	7.8	7.1	3.7	62.0	
	66.0								62.3 m/3.1			64.4 m/6.5	3.4		6.9	6.8	3.6	66.0	
	70.0												3.1		66.6 m/6.8	6.5	3.5	70.0	
	74.0												70.2 m/3.1			72.4 m/6.1	3.4	74.0	
	78.0																3.2	78.0	
	82.0																78.1 m/3.2	82.0	
	Reeves	2	2	1	1	2	2	1	1	2	2	1	1	2	2	1	1	Reeves	

Boor	n length (m)		64	.0			73	3.2			76	5.2		Boom lengt	th (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	16.8 m/26.5												16.0	
	18.0	26.0	18.9 m/21.1			18.4 m/26.4				18.9 m/26.4				18.0	
	20.0	25.3	20.7	21.0 m/12.1		25.9	20.5 m/21.1			26.1	21.0 m/21.1			20.0	
	22.0	24.7	20.1	11.9	23.0 m/6.7	25.3	20.6	22.5 m/12.1		25.5	20.8	23.1 m/12.0		22.0	1
	24.0	24.1	19.5	11.6	6.6	24.7	20.0	11.8	24.6 m/6.7	24.9	20.2	11.9	25.2 m/6.7	24.0	
	26.0	23.5	19.0	11.3	6.4	24.2	19.5	11.5	6.5	24.4	19.7	11.6	6.6	26.0	
	28.0	23.0	18.4	11.0	6.2	23.7	19.0	11.2	6.3	23.9	19.2	11.3	6.4	28.0	
	30.0	22.4	18.0	10.7	6.0	22.6	18.5	11.0	6.2	21.7	18.7	11.1	6.2	30.0	
	34.0	19.8	17.1	10.2	5.6	18.9	17.7	10.5	5.8	18.3	17.9	10.6	5.9	34.0	_
Working radius (m)	38.0	16.6	16.3	9.7	5.3	15.8	16.3	10.0	5.5	15.5	15.9	10.1	5.6	38.0	Working
adiu	42.0	14.1	14.5	9.2	5.0	13.3	13.8	9.6	5.2	13.0	13.5	9.7	5.3	42.0	
ngr	46.0	12.0	12.5	8.8	4.7	11.2	11.7	9.2	4.9	10.9	11.4	9.3	5.0	46.0	radius (m)
orki	50.0	10.3	10.7	8.4	4.5	9.5	10.0	8.8	4.7	9.2	9.7	8.9	4.8	50.0	ls (r
>	54.0	8.9	9.3	8.0	4.3	8.1	8.5	8.4	4.5	7.8	8.2	8.5	4.5	54.0	3
	58.0	7.7	8.1	7.7	4.1	6.9	7.3	7.8	4.3	6.5	7.0	7.6	4.4	58.0	
	62.0	6.6	7.0	7.5	3.9	5.8	6.2	6.8	4.1	5.5	5.9	6.5	4.2	62.0	
	66.0	5.7	6.1	6.6	3.8	4.9	5.3	5.8	4.0	4.6	5.0	5.5	4.0	66.0	
	70.0	68.8 m/5.1	5.3	5.7	3.6	4.1	4.5	5.0	3.8	3.7	4.1	4.7	3.9	70.0	
	74.0		4.6	5.0	3.5	3.4	3.7	4.3	3.7	3.0	3.4	4.0	3.7	74.0	
	78.0		74.6 m/4.5	4.3	3.4	76.7 m/2.9	3.1	3.6	3.6	2.4	2.8	3.3	3.5	78.0	
	82.0			80.3 m/4.0	3.4		2.5	3.0	3.3	79.4 m/2.2	2.2	2.7	3.0	82.0	
	86.0				3.2		82.5 m/2.5	2.5	2.7		85.1 m/1.8	2.2	2.5	86.0	
	90.0							88.2 m/2.2	2.1			1.7	2.0	90.0	
	94.0								93.9 m/1.8			90.8 m/1.5	1.6	94.0	
	98.0												96.6 m/1.3	98.0	
	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 P21.

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



Jib Offset Angle: 30°

Unit: metric ton

Boor	n length (m)		27	'.4			36	5.6			45	5.7			54	1.9		Boom lengt	h (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)
	14.0	14.1 m/19.3				15.7 m/19.3												14.0	П
	16.0	18.7				19.2				17.3 m/19.2								16.0	
	18.0	17.9	13.5			18.7	19.6 m/13.5			19.1				18.9 m/19.2				18.0	
	20.0	16.8	13.5	21.9 m/8.2		18.1	13.5			18.7	21.2 m/13.5			19.0				20.0	
	22.0	15.9	13.1	8.2		17.2	13.5	23.5 m/8.1		18.2	13.5			18.6	22.8 m/13.5			22.0	
	24.0	15.2	12.6	7.9	25.9 m/4.4	16.4	13.1	8.1		17.4	13.4	25.1 m/8.1		18.2	13.5			24.0	
	26.0	14.5	12.0	7.6	4.4	15.7	12.8	7.9	27.5 m/4.3	16.7	13.2	8.0		17.6	13.4	26.7 m/8.1		26.0	
	28.0	13.9	11.4	7.4	4.2	15.1	12.3	7.6	4.3	16.1	12.9	7.8	29.0 m/4.4	17.0	13.2	8.0		28.0	
=	30.0	13.4	10.9	7.2	4.1	14.6	11.8	7.4	4.2	15.6	12.5	7.6	4.3	16.4	12.9	7.8	30.6 m/4.3	30.0	
Working radius (m)	34.0	12.7	10.0	6.8	3.8	13.7	10.9	7.1	4.0	14.6	11.6	7.3	4.1	15.5	12.2	7.5	4.2	34.0	Working radius (m)
adir	38.0	37.9 m/12.4	9.4	6.5	3.7	13.0	10.2	6.8	3.8	13.9	10.9	7.0	3.9	14.7	11.5	7.2	4.0	38.0	ngr
lig I	42.0		9.0	6.2	3.5	12.6	9.6	6.5	3.6	13.3	10.3	6.7	3.7	14.0	10.9	6.9	3.8	42.0	di
lork.	46.0		44.0 m/8.9	6.1	3.3	45.8 m/12.4	9.2	6.3	3.5	12.8	9.8	6.5	3.6	13.2	10.4	6.7	3.7	46.0	S (m)
>	50.0			6.1	3.3		8.9	6.1	3.4	12.1	9.4	6.3	3.5	11.4	9.9	6.5	3.6	50.0	=
	54.0			50.1 m/6.1	3.0		51.9 m/8.9	6.1	3.3	53.7 m/10.7	9.1	6.2	3.4	9.9	9.5	6.4	3.5	54.0	
	58.0				56.2 m/2.8			6.1	3.1		8.9	6.1	3.3	8.6	9.2	6.2	3.4	58.0	
	62.0								2.9		59.8 m/8.9	6.1	3.3	61.6 m/7.6	8.2	6.1	3.3	62.0	
	66.0								64.1 m/2.8			65.9 m/6.1	3.1		7.2	6.0	3.2	66.0]
	70.0												2.9		67.7 m/6.8	6.0	3.2	70.0	
	74.0												72.0 m/2.8			73.8 m/6.0	3.1	74.0	
	78.0																2.9	78.0	4
	82.0																79.9 m/2.8	82.0	
	Reeves	2	1	1	1	2	1	1	1	2	1	1	1	2	1	1	1	Reeves	

Воо	m length (m)		64	.0			73	3.2			76	6.2		Boom length	ı (m)
Jit	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	20.5 m/19.2												20.0	
	22.0	18.9				19.1				22.6 m/19.1				22.0	
	24.0	18.6	24.4 m/13.5			18.8				18.9				24.0	
	26.0	18.3	13.5			18.6	13.5			18.7	26.5 m/13.5			26.0	
	28.0	17.7	13.4	28.3 m/8.1		18.3	13.5	29.9 m/8.1		18.4	13.5			28.0	
	30.0	17.2	13.2	7.9	32.2 m/4.3	17.8	13.4	8.0	33.8 m/4.3	18.0	13.4	30.4 m/8.0		30.0	
	34.0	16.2	12.8	7.6	4.2	16.8	13.0	7.8	4.3	17.0	13.1	7.8	34.3 m/4.3	34.0	
	38.0	15.4	12.0	7.4	4.1	16.0	12.5	7.5	4.1	16.2	12.7	7.5	4.2	38.0	
_	42.0	14.6	11.4	7.1	3.9	13.9	11.9	7.3	4.0	13.6	12.0	7.3	4.0	42.0	<
Working radius (m)	46.0	12.4	10.9	6.9	3.8	11.7	11.3	7.1	3.8	11.5	11.5	7.1	3.9	46.0	Working radius (m)
agin	50.0	10.7	10.4	6.7	3.7	10.0	10.9	6.9	3.7	9.7	10.6	6.9	3.8	50.0	ing
gu	54.0	9.2	10.0	6.5	3.6	8.5	9.3	6.7	3.6	8.2	9.1	6.7	3.7	54.0	radii
š	58.0	7.9	8.7	6.4	3.4	7.2	8.0	6.5	3.5	6.9	7.7	6.6	3.5	58.0	ns (r
>	62.0	6.8	7.5	6.3	3.4	6.1	6.9	6.4	3.4	5.8	6.6	6.4	3.5	62.0	3
	66.0	5.8	6.5	6.1	3.3	5.1	5.8	6.3	3.4	4.8	5.6	6.1	3.4	66.0	
	70.0	69.6 m/5.1	5.6	6.1	3.3	4.2	5.0	5.5	3.3	3.9	4.7	5.2	3.3	70.0	
	74.0		4.8	5.3	3.2	3.4	4.2	4.7	3.3	3.2	3.9	4.4	3.3	74.0	
	78.0		75.7 m/4.5	4.6	3.2	77.5 m/2.9	3.4	3.9	3.2	2.5	3.2	3.7	3.2	78.0	
	82.0			81.8 m/3.9	3.0		2.8	3.3	3.2	80.1 m/2.2	2.5	3.0	3.2	82.0	
	86.0				2.9		83.6 m/2.5	2.7	2.9		1.9	2.4	2.8	86.0	
	90.0				87.8 m/2.8			89.7 m/2.1	2.5		86.2 m/1.9	1.8	2.3	90.0	
	94.0								2.0			92.3 m/1.5	1.8	94.0	
	98.0								95.8 m/1.7				1.4	98.0	
	100.0												98.4 m/1.3	100.0	
	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.

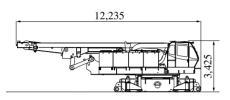
Refer to notes P21.

PARTS AND ATTACHMENTS

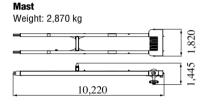
Base Machine

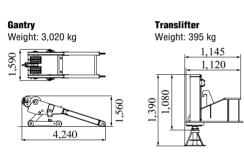
With trans-lifter, main and aux. winches (non-free fall) including wire rope and boom hoist winch including wire rope

Weight: 46,000 kg Width: 3,400 mm

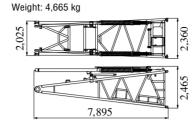


Crawler Weight: 20,700 kg 1,400 1,220 8,985





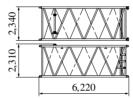
Boom Base



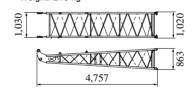




6.1 m Insert Boom (with Guy Line) Weight: 1,440 kg

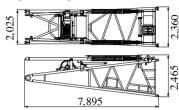


Jib Base (Fixed Jib) Weight: 210 kg



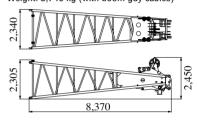
Dimensions: mm Weight: kg **Boom Base (with Winch)**

Weight: 6,810 kg



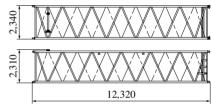
Boom Top

Weight: 3,740 kg (with boom guy cables)



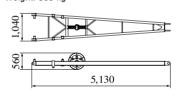
12.2 m Insert Boom (with Guy Line)

Weight: 2,540 kg



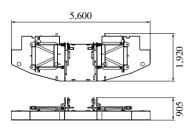
Jib Strut (Fixed Jib)

Weight: 300 kg



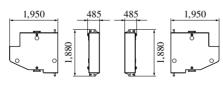
Counterweight (A) with Hanger

Weight: 11,040 kg

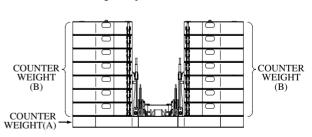


Counterweight (B)

Weight: 5,685 kg / 1 Piece

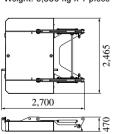


Counterweight Assy



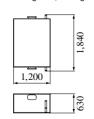
Carbody Weight (Base) (with Link)

Weight: 6,350 kg x 1 piece

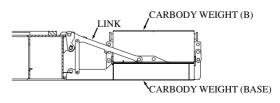


Carbody Weight (B)

Weight: 5,625 kg

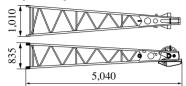


Carbody Weight Assy

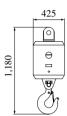




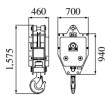
Jib Top (For Crane) Weight: 315 kg

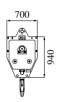


Ball Hook Weight: 455 kg

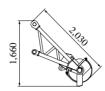


35 t Hook Weight: 900 kg

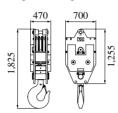




Aux. Sheave Weight: 290 kg



70 t Hook Weight: 1,200 kg



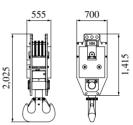
3.0 m Insert Jib (Fixed Jib)

Weight: 110 kg



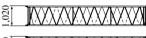
100 t Hook

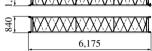
Weight: 1,800 kg



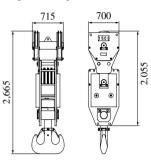
Dimensions: mm Weight: kg

Insert Jib (Fixed Jib) Weight: 190 kg



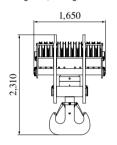


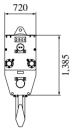
150 t Hook Weight: 2,300 kg





Weight: 4,160 kg



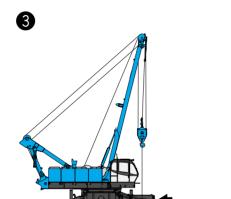


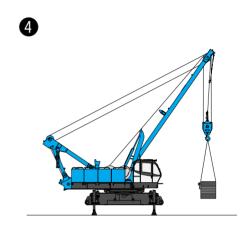
SELF-REMOVAL DEVICE

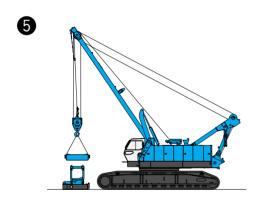


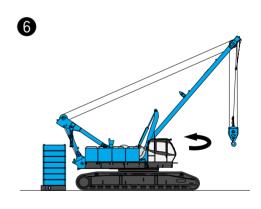


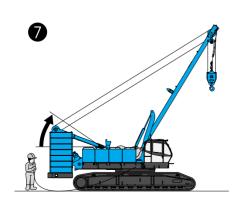


















Standard Equipment

Upper structure/Lower structure

Counterweight: 90.0 t (total weight) Carbody weight: 24.0 t (total weight)

1,220 mm shoe crawlers Batteries (150Ah/20HR)

Trans-lifter (jack system)

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

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

Base boom self removal

Cable roller (for boom)

Cab/Control

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

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

External lamp for over-load alarm

Note: Standard equipment may vary depending on your areas or countries.

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KOBELCO CRANES INDIA PVT. LTD.

Third Floor, Mother House, Plot No. 22,

Gulmohar Enclave Community Center, Yusuf Sarai, New Delhi - 110 049, India Tel: +91-11-30151950 Fax: +91-11-30151952

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