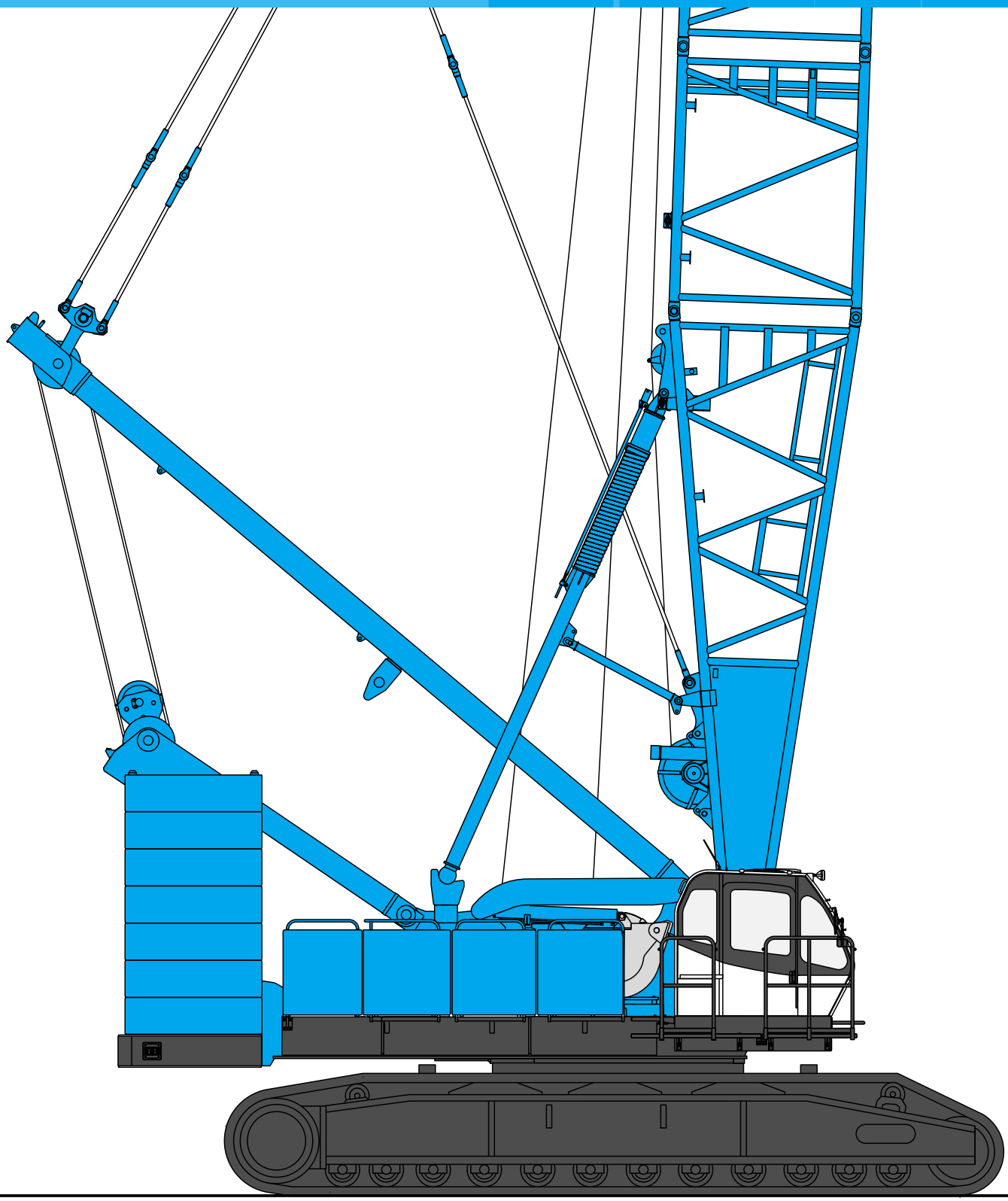
KOBELCO



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

CONFIGURATION

Crane Boom

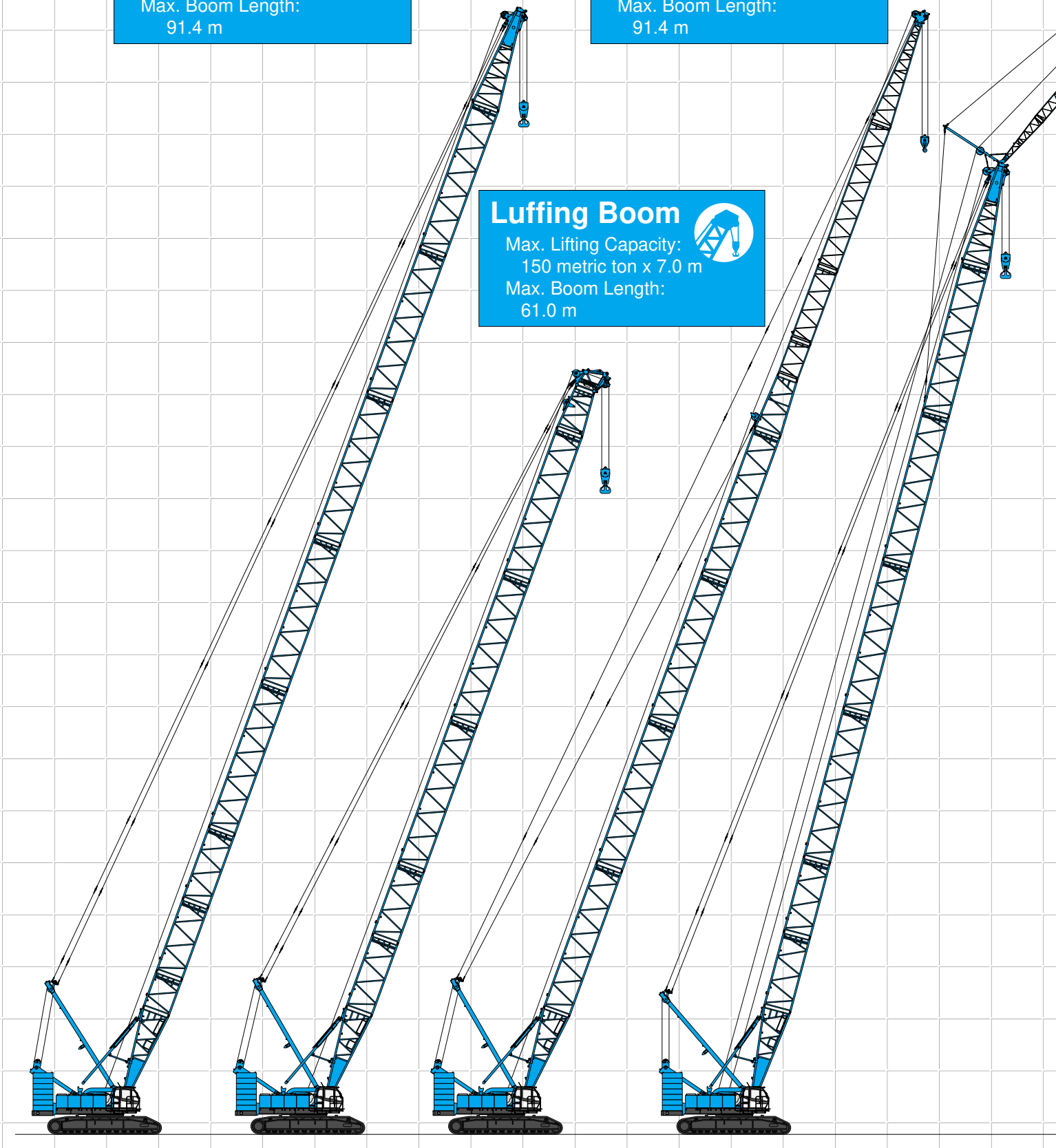
Max. Lifting Capacity:
250 metric ton x 4.6 m
Max. Boom Length:
91.4 m

Long Boom

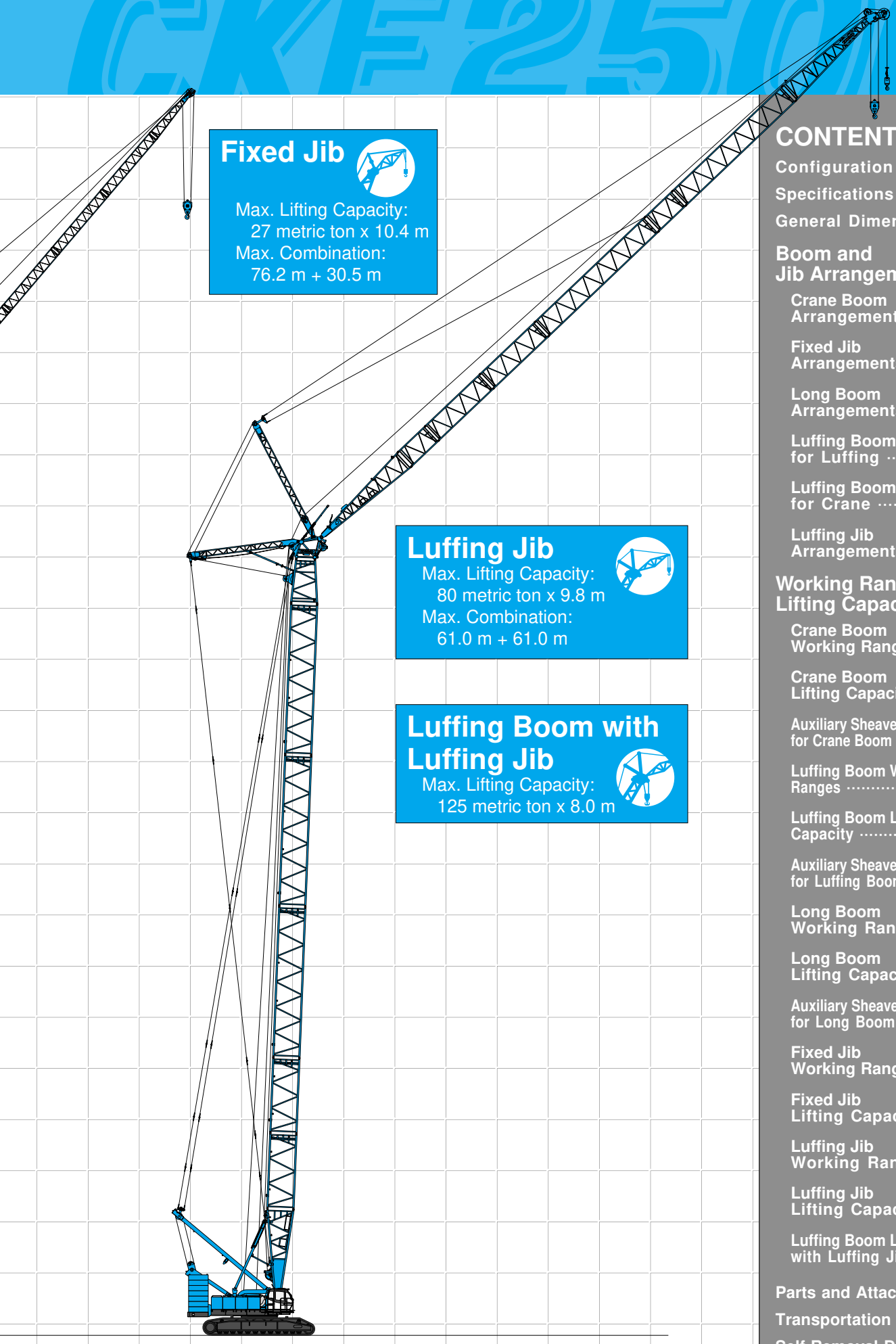
Max. Lifting Capacity:
47.1 metric ton x 12.8 m
Max. Boom Length:
91.4 m

Luffing Boom

Max. Lifting Capacity:
150 metric ton x 7.0 m
Max. Boom Length:
61.0 m



HYDRAULIC CRAWLER CRANE
CKE2500



Fixed Jib

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

Luffing Jib

Max. Lifting Capacity:
80 metric ton x 9.8 m
Max. Combination:
61.0 m + 61.0 m

Luffing Boom with Luffing Jib

Max. Lifting Capacity:
125 metric ton x 8.0 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 , 170Ah/20HR 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, 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 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: 5.4 MPa {55 kgf/cm^2}
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 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:
617.1 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: 110 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: 2.2 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 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: 24.0 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): 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.

Specification	Weight	Ground pressure
Crane boom	Approx. 213 ton,	108.4 kPa {1.11 kgf/cm²}
Fixed jib	Approx. 214 ton,	108.9 kPa {1.11 kgf/cm²}
Luffing jib	Approx. 222 ton,	113.0 kPa {1.15 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
Luffing Boom	15.2 m	61.0 m
Long Boom	64.0 m	91.4 m
Fixed Jib	27.4 m + 12.2 m	76.2 m + 30.5 m
Luffing Jib	21.3 m + 21.3 m	61.0 m + 61.0 m

Main Specifications (Model: CKE2500-2)

Crane Boom	
Max. Lifting Capacity	250 t/4.6 m
Max. Length	91.4 m
Luffing Boom	
Max. Lifting Capacity	150 t/7.0 m
Max. Length	61.0 m
Long Boom	
Max. Lifting Capacity	47.1 t/12.8 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	
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	110 m/min (1st layer)
Rated Line Pull (Single Line)	132 kN {13.5 tf}
Wire Rope Diameter	25 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	2.2 min⁻¹ {2.2 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
Hydraulic System	
Main Pumps	4 variable displacement
Max. Pressure	31.9 MPa {325 kgf/cm²}
Hydraulic Tank Capacity	600 liters
Self-Removal Device	Standard
Weight	
Operating Weight*	Approx. 213 t
Ground Pressure*	108.4 kPa {1.11 kgf/cm²}
Counterweight	90.0 t (Upper), 24.0 t (Lower)
Transport Weight**	Approx. 44.9 t

* Including upper and lower machine, 90.0 ton counterweight and 24.0 ton carbody weight, basic boom, hook, and other accessories.

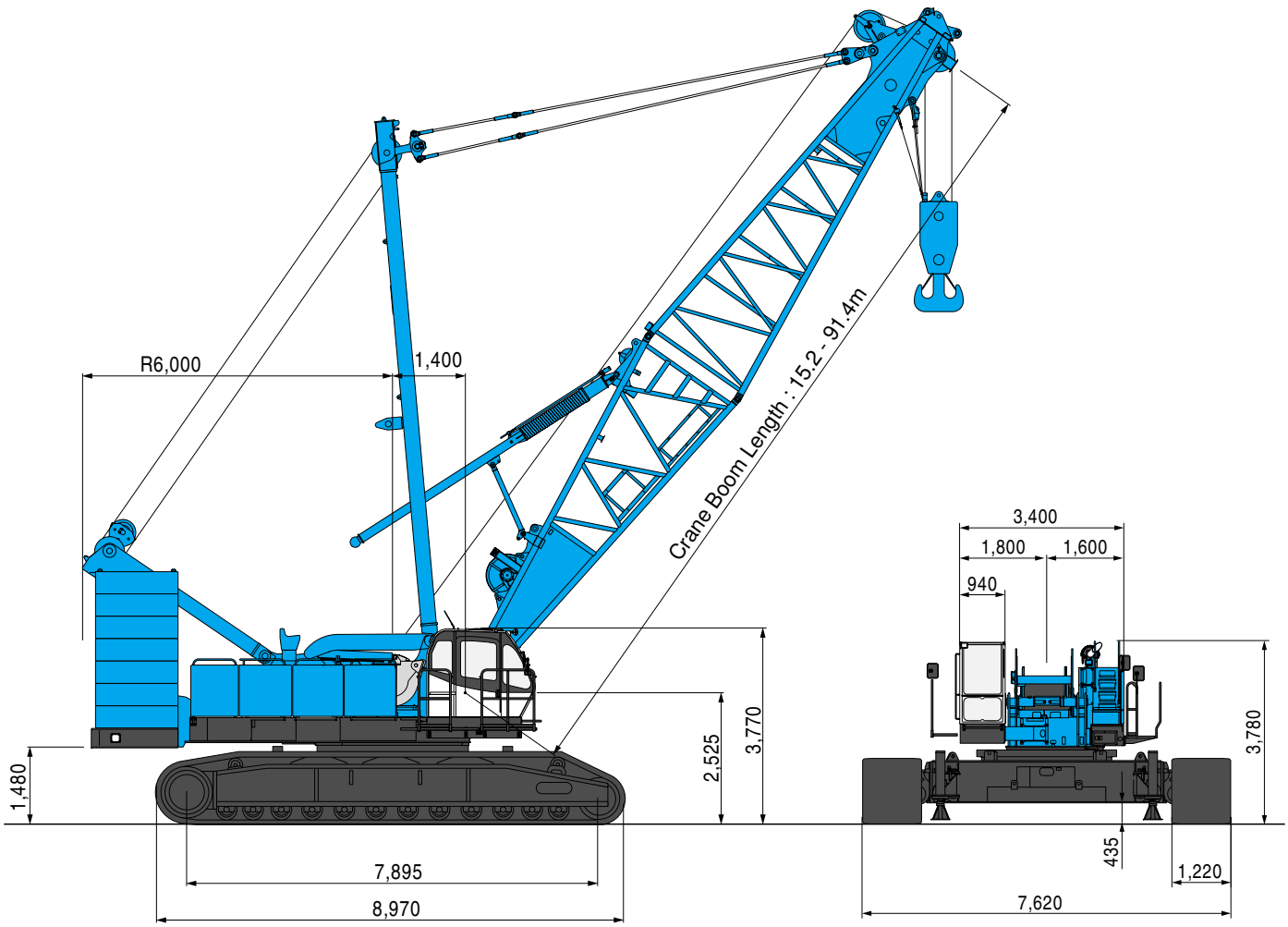
** Base machine with trans-lifter, main and aux. winches (non-free fall) including wire rope, and boom hoist winch including wire rope.

Units are SI units. { } indicates conventional units.

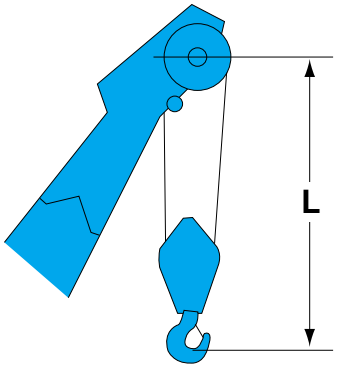
GENERAL DIMENSIONS

Crane Boom

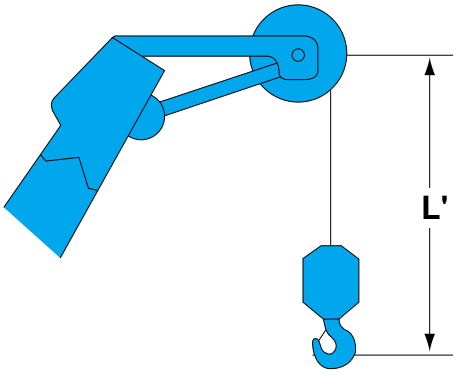
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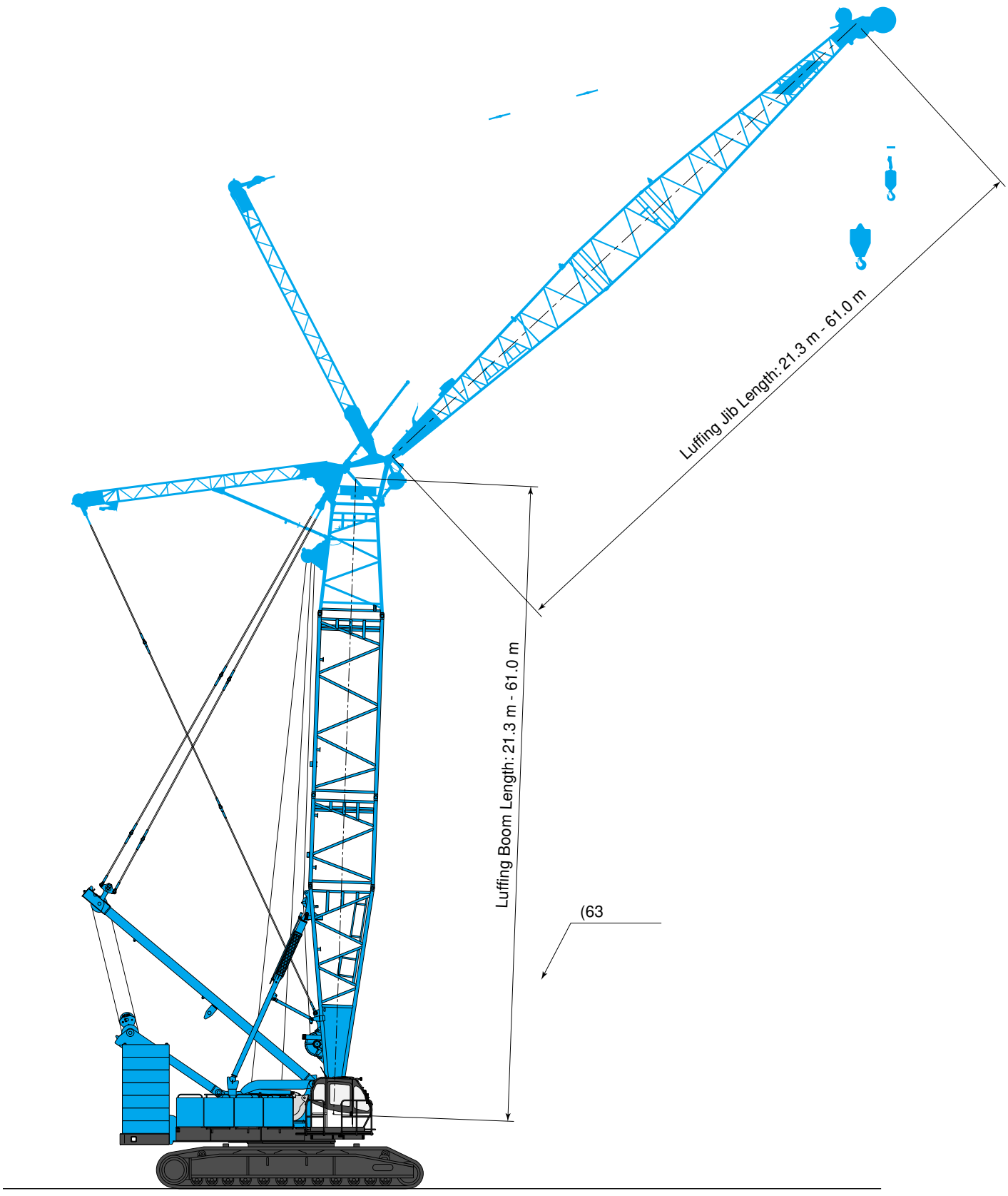
Limit of Hook Lifting



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

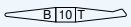
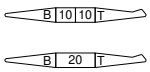
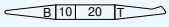
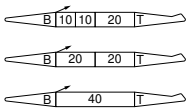
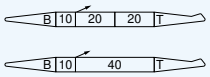
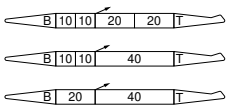
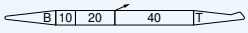
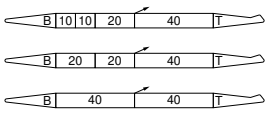
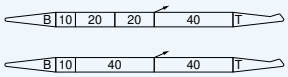
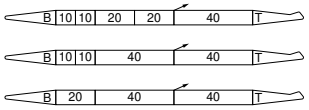
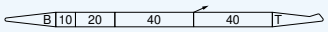
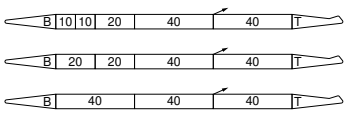


Hook	L'
35 t hook	3.8 m
13.5 t ball hook	3.5 m

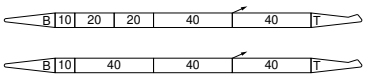
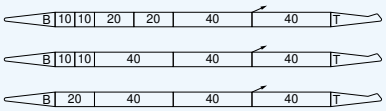
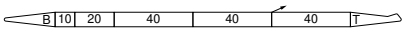
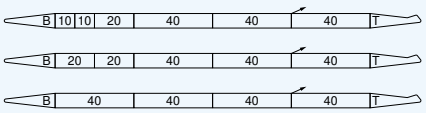
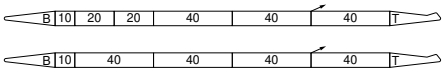
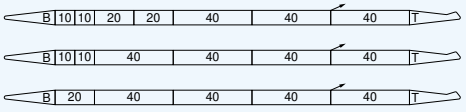
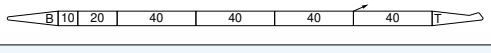
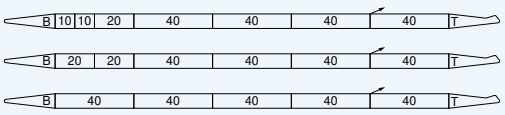
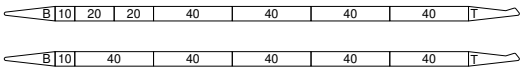
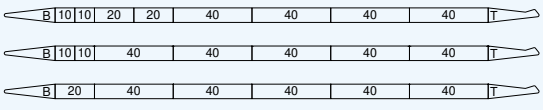
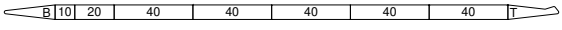
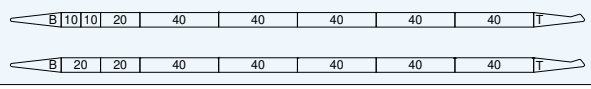
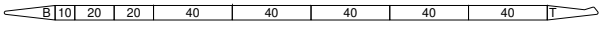

Luffing Jib Length: 21.3 m - 61.0 m
Luffing Boom Length: 21.3 m - 61.0 m
(63

BOOM AND JIB ARRANGEMENTS

Crane Boom Arrangements

Boom length m (ft)	Boom arrangement
15.2 (50)	
18.3 (60)	
21.3 (70)	※ 
24.4 (80)	※ 
27.4 (90)	※ 
30.5 (100)	※ 
33.5 (110)	※ 
36.6 (120)	※ 
39.6 (130)	※ 
42.7 (140)	※ 
45.7 (150)	※ 
48.8 (160)	※ 
51.8 (170)	※ 

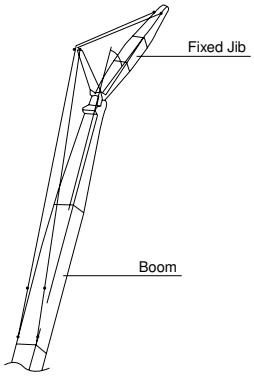
Symbol	Boom Length	Remarks
B	7.6 m	Boom Base
T	7.6 m	Boom Top
10	3.0 m	Insert Boom
20	6.1 m	Insert Boom
40	12.2 m	Insert Boom

Boom length m (ft)	Boom arrangement
54.9 (180)	※ 
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)	※ 
88.4 (290)	※ 
91.4 (300)	

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
27.4 m ≀ 76.2 m	12.2 (40)	B 10 T
	18.3 (60)	B 10 20 T
	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
T	4.6 m	Jib Top
10	3.0 m	Insert Jib
20	6.1 m	Insert Jib

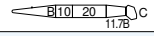
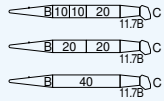
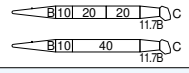
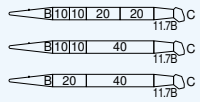
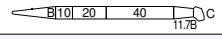
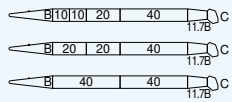
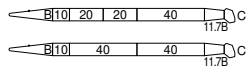
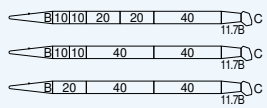
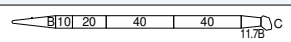
Long Boom Arrangements

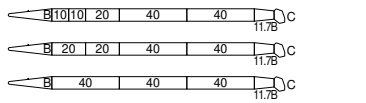
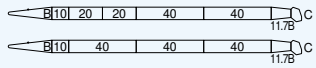
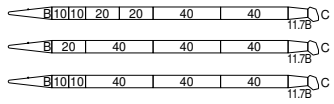
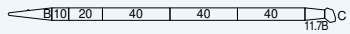
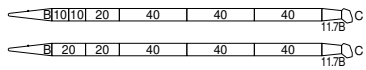
Boom length m (ft)	Boom arrangement
64.0 (210)	B 10 20 20 40 40 TB 10A JT B 10 40 40 40 TB 10A JT
67.1 (220)	B 20 40 40 40 TB 10A JT
70.1 (230)	B 10 20 40 40 40 TB 10A JT
73.2 (240)	※ B 10 10 20 40 40 40 TB 10A JT B 20 20 40 40 40 TB 10A JT B 40 40 40 40 TB 10A JT
76.2 (250)	※ B 10 10 20 40 40 40 TB 10A 10 JT B 20 20 40 40 40 TB 10A 10 JT B 40 40 40 40 TB 10A 10 JT
79.3 (260)	※ B 10 10 20 40 40 40 TB 10A 10 10 JT B 20 20 40 40 40 TB 10A 20 JT B 40 40 40 40 TB 10A 20 JT
82.3 (270)	※ B 10 10 20 40 40 40 TB 10A 10 20 JT B 20 20 40 40 40 TB 10A 10 20 JT B 40 40 40 40 TB 10A 10 20 JT
85.3 (280)	※ B 10 10 20 40 40 40 TB 10A 10 10 20 JT B 20 20 40 40 40 TB 10A 20 20 JT B 40 40 40 40 TB 10A 40 JT
88.4 (290)	※ B 10 10 20 40 40 40 TB 10A 10 20 20 JT B 20 20 40 40 40 TB 10A 10 40 JT B 40 40 40 40 TB 10A 10 40 JT
91.4 (300)	※ B 10 10 20 40 40 40 TB 10A 10 10 20 20 JT B 20 20 40 40 40 TB 10A 10 10 40 JT B 40 40 40 40 TB 10A 20 40 JT

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

Symbol	Long Boom Length	Remarks
B	7.6 m	Boom Base
JT	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

Luffing Boom Arrangements for Luffing

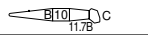
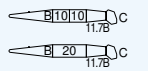
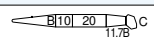
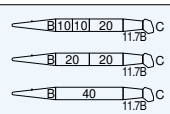
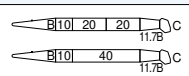
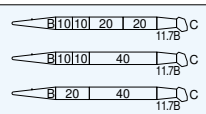
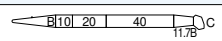
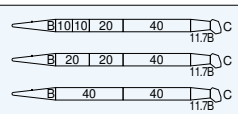
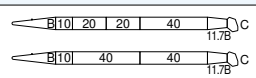
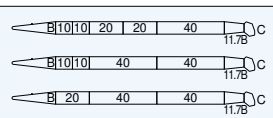
Boom length m (ft)	Boom arrangement
21.3 (70)	※ 
24.4 (80)	※ 
27.4 (90)	※ 
30.5 (100)	※ 
33.5 (110)	※ 
36.6 (120)	※ 
39.6 (130)	※ 
42.7 (140)	※ 
45.7 (150)	※ 

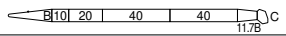
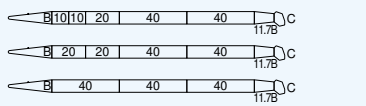
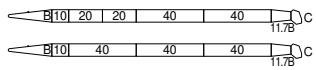
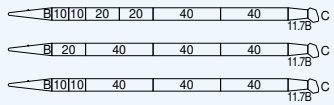
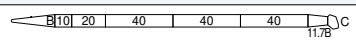
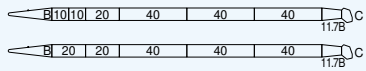
Boom length m (ft)	Boom arrangement
48.8 (160)	※ 
51.8 (170)	※ 
54.9 (180)	※ 
57.9 (190)	※ 
61.0 (200)	※ 

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

Symbol	Luffing Boom Length	Remarks
B	7.6 m	Boom Base
C	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

Luffing Boom Arrangements for Crane

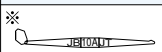
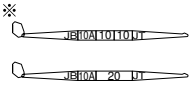
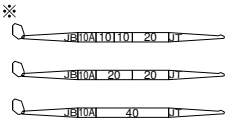
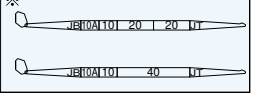
Boom length m (ft)	Boom arrangement
15.2 (50)	
18.3 (60)	※ 
21.3 (70)	※ 
24.4 (80)	※ 
27.4 (90)	※ 
30.5 (100)	※ 
33.5 (110)	※ 
36.6 (120)	※ 
39.6 (130)	※ 
42.7 (140)	※ 

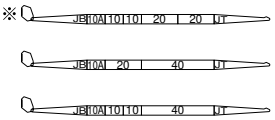
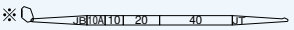
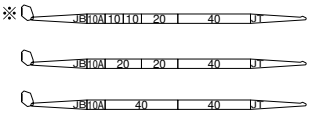
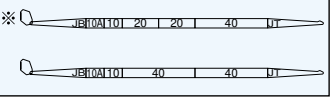
Boom length m (ft)	Boom arrangement
45.7 (150)	※ 
48.8 (160)	※ 
51.8 (170)	※ 
54.9 (180)	※ 
57.9 (190)	※ 
61.0 (200)	※ 

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

Symbol	Luffing Boom Length	Remarks
B	7.6 m	Boom Base
C	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

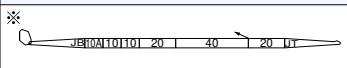
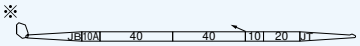
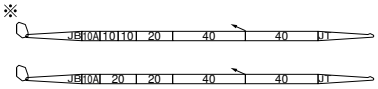
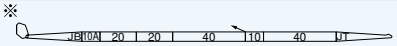
Luffing Jib Arrangements

Jib length m (ft)	Jib arrangement
21.3 (70)	※ 
24.4 (80)	※ 
27.4 (90)	※ 
30.5 (100)	※ 
33.5 (110)	※ 
36.6 (120)	※ 

Jib length m (ft)	Jib arrangement
39.6 (130)	※ 
42.7 (140)	※ 
45.7 (150)	※ 
48.8 (160)	※ 

mark shows the installing position for mid suspension guy line.

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

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

Symbol	Luffing Jib Length	Remarks
JB	9.1 m	Luffing Jib Base
JT	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

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	54.9	57.9	61.0
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.

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
250-ton	4,200	11	-	-	-	54.0	-	81.0	-	108.0
150-ton	2,300	6	-	-	40.5	54.0	67.5	81.0	94.5	108.0
70-ton	1,200	3	-	27.0	40.5	54.0	67.5	70.0	-	-
35-ton	900	1	-	27.0	35.0	-	-	-	-	-
13.5-ton ball hook	450	0	13.5	-	-	-	-	-	-	-

Hooks	Weight (kg)	No. of sheaves	No. of lines and max. rated loads (tons)							
			9	10	12	14	16	18	20	22
250-ton	4,200	11	-	135.0	160.0	183.0	205.0	227.0	240.0	250.0
150-ton	2,300	6	121.5	135.0	150.0	-	-	-	-	-
70-ton	1,200	3	-	-	-	-	-	-	-	-
35-ton	900	1	-	-	-	-	-	-	-	-
13.5-ton 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 (ton)	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 (ton)	121.5	135.0	160.0	183.0	205.0	227.0	240.0	250.0

Style and Combination of Boom and Jib

	Style	Crane Boom	Luffing Boom	Long Boom	Fixed Jib	Luffing Jib
Boom	7.6 m boom base	Common use(1)	Common use(1)	Common use(1)	Common use(1)	Common use(1)
	7.6 m boom top	Common use(1)	N.A.	N.A.	Common use(1)	N.A.
	1.0 m luffing boom top	N.A.	Common use(1)	N.A.	N.A.	Common use(1)
	3.0 m insert boom	Common use(1)	Common use(2)	Common use(2)	Common use(2)	Common use(2)
	6.1 m insert boom	Common use(2)	Common use(1)	Common use(1)	Common use(1)	Common use(1)
	12.2 m insert boom	Common use(5)	Common use(3)	Common use(3)	Common use(4)	Common use(3)
	3.6 m luffing tapered boom	N.A.	Common use(1)	N.A.	N.A.	Common use(1)
	4.6 m tapered boom	N.A.	N.A.	Long Boom only(1)	N.A.	N.A.
Jib	4.6 m jib base	-	-	N.A.	Fixed jib only(1)	N.A.
	4.6 m jib top	-	-	N.A.	Fixed jib only(1)	N.A.
	3.0 m insert jib	-	-	N.A.	Fixed jib only(1)	N.A.
	6.1 m insert jib	-	-	N.A.	Fixed jib only(3)	N.A.
	9.1 m luffing jib base	-	-	N.A.	N.A.	Luffing jib only(1)
	9.1 m luffing jib top	-	-	Common use(1)	N.A.	Common use(1)
	3.0 m relay jib	-	-	Common use(1)	N.A.	Common use(1)
	3.0 m luffing insert jib	-	-	Common use(2)	N.A.	Common use(1)
	6.1 m luffing insert jib	-	-	Common use(2)	N.A.	Common use(2)
	12.2 m luffing insert jib	-	-	Common use	N.A.	Common use(2)

Note: 1. Figure in ( )means the numbers of the maximum usable boom (or jib) respectively.
2. N.A.: Not applicable

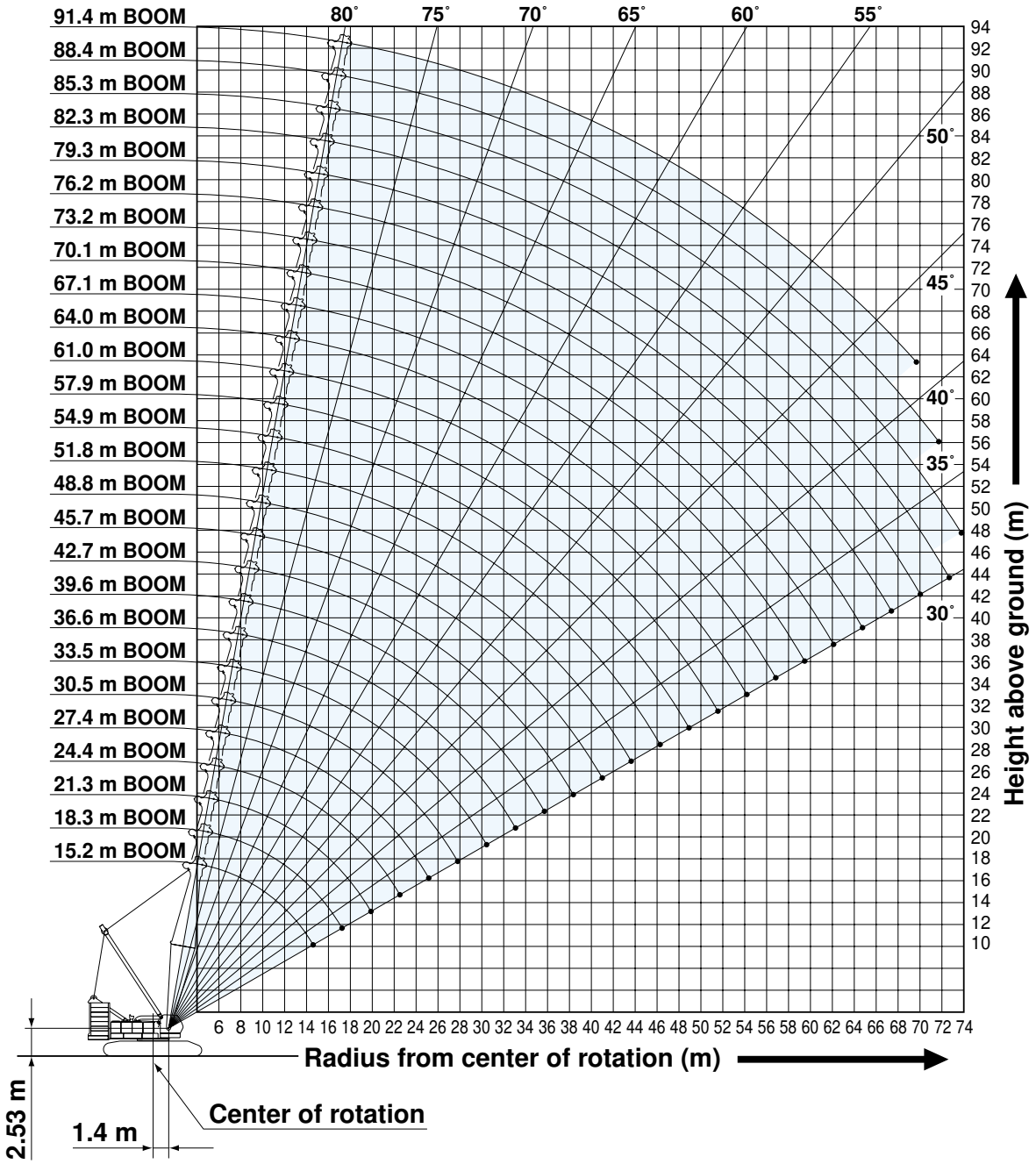
Symbols for Attachments:



Crane Boom | Auxiliary Sheave for Crane Boom | Luffing Boom | Auxiliary Sheave for Luffing Boom | Long Boom | Auxiliary 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. 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.
16. 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

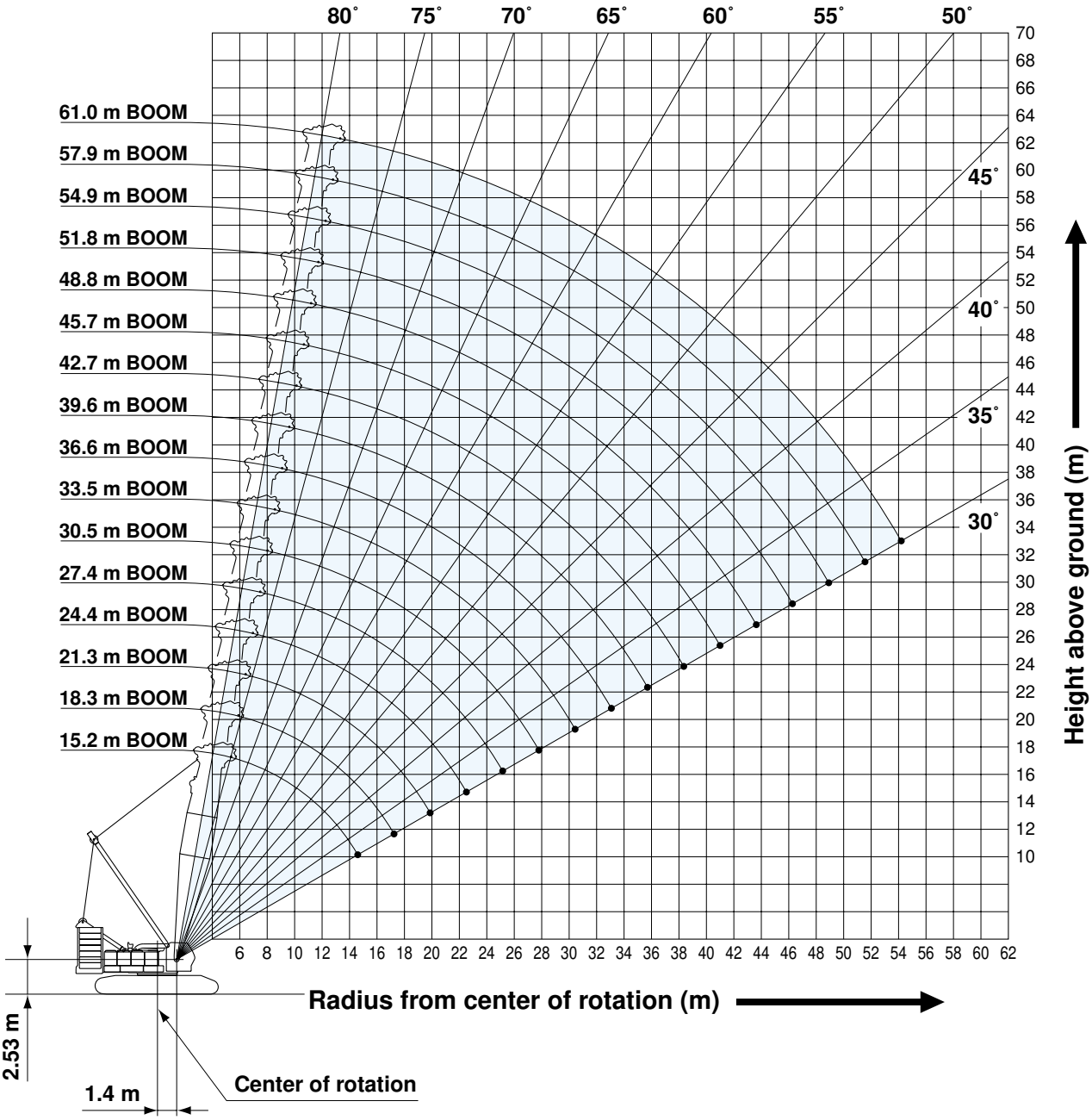
Unit: metric ton

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)
4.6	4.6 m/250.0													
5.0	230.7	226.7	5.5m /205.0											
6.0	191.5	191.5	191.1	6.1 m/183.0	6.6 m/174.5									
7.0	165.9	165.6	165.2	165.0	164.7	7.1 m/154.2	7.7 m/143.8							
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					
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			
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	
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	
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	
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	
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	
20.0			44.6	44.6	44.4	44.3	44.1	44.0	43.9	43.9	43.6	43.5	43.4	
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	
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	
26.0					25.4 m/32.3	31.3	30.9	30.8	30.7	30.7	30.4	30.3	30.1	
28.0						28.3	28.0	27.9	27.8	27.7	27.4	27.3	27.1	
30.0							25.5	25.4	25.2	25.2	24.9	24.8	24.6	
32.0							30.7 m/24.8	23.4	23.1	23.0	22.7	22.6	22.4	
34.0								33.3 m/22.1	21.2	21.1	20.8	20.7	20.5	
36.0									35.9 m/19.7	19.5	19.2	19.1	18.9	
38.0										18.0	17.7	17.6	17.4	
40.0										38.6 m/17.6	16.4	16.3	16.1	
42.0											41.2 m/15.7	15.2	14.9	
44.0												43.9 m/14.2	13.9	
46.0													13.0	
48.0													46.5 m/12.8	
Reeves	22	18	16	14	14	12	12	10	10	8	8	7	7	

Unit: metric ton

Boom Length (m) / Working radius (m)														Boom Length (m)

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. 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. Instruction in the “Operator's Manual” must be strictly observed when operating the machine.
15. Luffing boom ratings: Deduct weight of hook block, slings, and all other load handling accessories from luffing boom ratings shown.
16. Auxiliary sheave ratings for luffing boom: Deduct weight of hook block, slings, and all other load handling accessories from auxiliary sheave ratings for luffing boom shown.
17. Luffing boom lengths for auxiliary sheave mounting are 15.2 m to 61.0 m.

Luffing Boom Lifting Capacity

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 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	Boom length (m) \ Working radius (m)
5.0	5.4 m/150.0	5.9 m/143.6										**5.0**
6.0	150.0	143.6	6.4 m/143.8									**6.0**
7.0	150.0	143.6	143.8	144.2	7.5 m/144.6							**7.0**
8.0	144.9	143.6	143.8	144.0	143.8	132.2	8.6 m/116.0					**8.0**
9.0	129.2	128.9	128.8	128.4	128.2	123.8	114.6	9.1 m/111.3	9.6 m/100.0			**9.0**
10.0	116.5	116.2	116.0	115.7	114.0	111.8	109.7	107.7	98.5	10.1 m/95.1	10.7 m/83.0	**10.0**
12.0	88.9	88.8	88.7	88.6	88.5	88.4	88.3	88.2	86.9	84.9	78.8	**12.0**
14.0	71.2	71.1	71.0	70.9	70.8	70.7	70.6	70.5	70.4	70.3	70.2	**14.0**
16.0	15.3 m/61.6	59.2	59.1	59.0	58.9	58.8	58.7	58.6	58.5	58.4	58.3	**16.0**
18.0		17.9 m/50.7	50.5	50.4	50.3	50.2	50.1	50.0	49.9	49.8	49.7	**18.0**
20.0			43.8	43.7	43.6	43.5	43.4	43.3	43.2	43.0	42.9	**20.0**
22.0			20.6 m/42.2	38.4	38.3	38.2	38.1	38.0	37.9	37.6	37.5	**22.0**
24.0				23.2 m/35.7	34.1	33.9	33.8	33.7	33.6	33.3	33.2	**24.0**
26.0					25.8 m/30.8	30.4	30.3	30.2	30.0	29.8	29.7	**26.0**
28.0						27.4	27.3	27.2	27.1	26.8	26.7	**28.0**
30.0						28.5 m/26.8	24.9	24.8	24.6	24.3	24.2	**30.0**
32.0							31.1 m/23.7	22.6	22.4	22.2	22.1	**32.0**
34.0								33.8 m/21.0	20.6	20.3	20.2	**34.0**
36.0									18.9	18.6	18.5	**36.0**
38.0									36.4 m/18.6	17.2	17.1	**38.0**
40.0										39.0 m/16.5	15.9	**40.0**
42.0											41.7 m/15.0	**42.0**
44.0												**44.0**
46.0												**46.0**
Reeves	12	12	12	12	12	10	10	10	8	8	7	**Reeves**

Working radius (m) \ Boom length (m)	48.8	51.8	54.9	57.9	61.0	Boom length (m) \ Working radius (m)
10.0	11.2 m/81.0	11.7 m/77.9				**10.0**
12.0	77.3	76.1	12.3 m/73.2	12.8 m/69.2	13.3 m/65.2	**12.0**
14.0	68.7	64.9	63.8	63.0	62.0	**14.0**
16.0	58.2	58.0	56.8	54.8	54.0	**16.0**
18.0	49.6	49.5	49.3	48.9	47.9	**18.0**
20.0	42.8	42.7	42.5	42.4	42.2	**20.0**
22.0	37.4	37.3	37.1	37.0	36.9	**22.0**
24.0	33.1	33.0	32.8	32.7	32.5	**24.0**
26.0	29.6	29.5	29.2	29.1	29.0	**26.0**
28.0	26.6	26.5	26.3	26.2	26.0	**28.0**
30.0	24.1	24.0	23.7	23.6	23.4	**30.0**
32.0	21.9	21.8	21.5	21.4	21.3	**32.0**
34.0	20.0	19.9	19.6	19.5	19.4	**34.0**
36.0	18.4	18.3	18.0	17.9	17.7	**36.0**
38.0	16.9	16.8	16.5	16.4	16.2	**38.0**
40.0	15.6	15.5	15.2	15.1	14.9	**40.0**
42.0	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	44.3 m/13.3	12.4	12.1	12.0	11.7	**46.0**
48.0		47.0 m/11.9	11.2	11.1	10.9	**48.0**
50.0			49.6 m/10.6	10.4	10.1	**50.0**
52.0				9.7	9.4	**52.0**
54.0				52.2 m/9.6	8.7	**54.0**
56.0					54.9 m/8.4	**56.0**
58.0						**58.0**
60.0						**60.0**
62.0						**62.0**
Reeves	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.
Refer to notes P15.

Auxiliary Sheave Lifting Capacity for Luffing Boom (With 70 t Main Hook)

Unit: metric ton

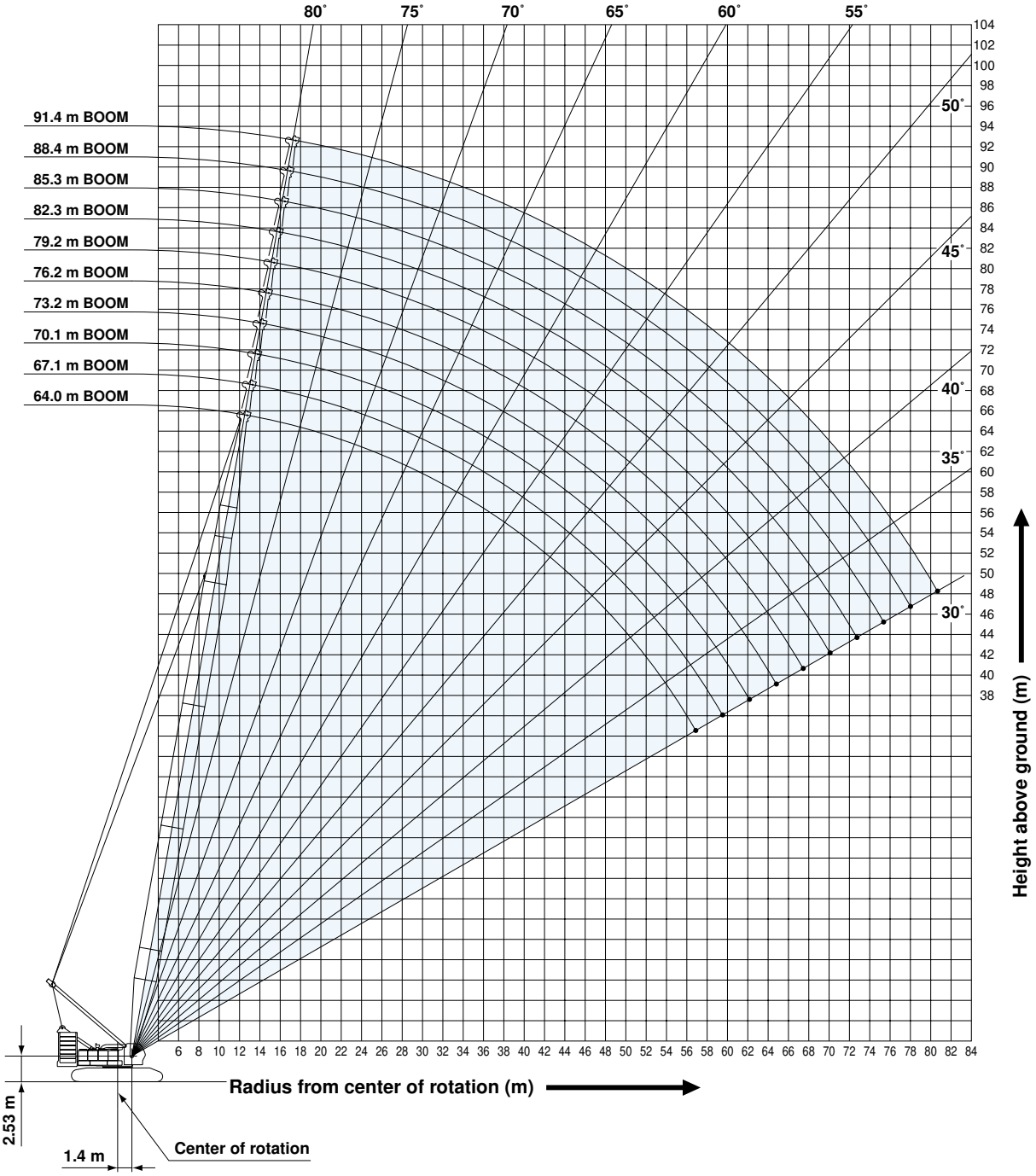
Counterweight: 90.0 t, Carbody weight: 24.0 t

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	Boom length (m) \ Working radius (m)
6.0	6.2 m/13.5	6.7 m/13.5										6.0
7.0	13.5	13.5	7.2 m/13.5	7.8 m/13.5								7.0
8.0	13.5	13.5	13.5	13.5	8.3 m/13.5	8.8 m/13.5						8.0
9.0	13.5	13.5	13.5	13.5	13.5	13.5	9.4 m/13.5	9.9 m/13.5				9.0
10.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	10.4 m/13.5	10.9 m/13.5	11.5 m/13.5	10.0
12.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.0
14.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	14.0
16.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	16.0
18.0	16.6 m/13.5	19.2 m/13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	18.0
20.0			13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	20.0
22.0			21.9 m/13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	22.0
24.0				13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	24.0
26.0				24.5 m/13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	26.0
28.0					27.1 m/13.5	13.5	13.5	13.5	13.5	13.5	13.5	28.0
30.0						29.8 m/13.5	13.5	13.5	13.5	13.5	13.5	30.0
32.0							32.4 m/13.5	13.5	13.5	13.5	13.5	32.0
34.0								13.5	13.5	13.5	13.5	34.0
36.0								35.1 m/13.5	13.5	13.5	13.5	36.0
38.0									37.7 m/13.5	13.5	13.5	38.0
40.0										13.5	13.5	40.0
42.0										40.3 m/13.5	13.5	42.0
44.0											43.0 m/12.9	44.0
Reeves	1	1	1	1	1	1	1	1	1	1	1	Reeves

Working radius (m) \ Boom length (m)	48.8	51.8	54.9	57.9	61.0	Boom length (m) \ Working radius (m)
12.0	13.5	12.5 m/13.5	13.1 m/13.5	13.6 m/13.5		12.0
14.0	13.5	13.5	13.5	13.5	14.1 m/13.5	14.0
16.0	13.5	13.5	13.5	13.5	13.5	16.0
18.0	13.5	13.5	13.5	13.5	13.5	18.0
20.0	13.5	13.5	13.5	13.5	13.5	20.0
22.0	13.5	13.5	13.5	13.5	13.5	22.0
24.0	13.5	13.5	13.5	13.5	13.5	24.0
26.0	13.5	13.5	13.5	13.5	13.5	26.0
28.0	13.5	13.5	13.5	13.5	13.5	28.0
30.0	13.5	13.5	13.5	13.5	13.5	30.0
32.0	13.5	13.5	13.5	13.5	13.5	32.0
34.0	13.5	13.5	13.5	13.5	13.5	34.0
36.0	13.5	13.5	13.5	13.5	13.5	36.0
38.0	13.5	13.5	13.5	13.5	13.5	38.0
40.0	13.5	13.5	13.5	13.5	13.5	40.0
42.0	13.3	13.1	12.9	12.8	12.5	42.0
44.0	12.3	12.1	11.8	11.7	11.5	44.0
46.0	45.6 m/11.5	11.2	10.9	10.8	10.5	46.0
48.0		10.3	10.0	9.9	9.7	48.0
50.0		48.3 m/10.2	9.1	9.2	8.9	50.0
52.0			50.9 m/8.7	8.5	8.2	52.0
54.0				53.5 m/8.0	7.5	54.0
56.0					6.8	56.0
58.0					56.2 m/6.7	58.0
60.0						60.0
62.0						62.0
Reeves	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.
Refer to notes P15.

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. 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. Instruction in the “Operator's Manual” must be strictly observed when operating the machine.
15. Long boom ratings: Deduct weight of hook block, slings, and all other load handling accessories from long boom ratings shown.
16. Auxiliary sheave ratings for long boom: Deduct weight of hook block, slings, and all other load handling accessories from auxiliary sheave ratings for long boom shown.
17. Long boom lengths for auxiliary sheave mounting are 64.0 m to 91.4 m.

Long Boom Lifting Capacity

Unit: metric ton

Counterweight: 90.0 t,
Carbody weight: 24.0 t

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

Working radius (m) \ Boom length (m)	85.3	88.4	91.4	Boom length (m) \ Working radius (m)
16.0	16.5 m/27.0	17.0 m/24.9	17.5 m/21.3	**16.0**
18.0	27.0	24.0	20.9	**18.0**
20.0	25.3	22.4	19.5	**20.0**
22.0	23.9	21.1	18.3	**22.0**
24.0	22.6	19.9	17.3	**24.0**
26.0	21.4	18.9	16.3	**26.0**
28.0	20.4	18.0	15.5	**28.0**
30.0	19.5	17.1	14.8	**30.0**
32.0	18.6	16.4	14.1	**32.0**
34.0	17.9	15.7	13.6	**34.0**
36.0	17.2	15.1	13.0	**36.0**
38.0	16.6	14.6	12.6	**38.0**
40.0	16.1	14.1	12.1	**40.0**
42.0	15.1	13.6	11.7	**42.0**
44.0	14.1	13.2	11.4	**44.0**
46.0	13.1	12.8	11.0	**46.0**
48.0	12.2	12.3	10.7	**48.0**
50.0	11.4	11.3	10.5	**50.0**
52.0	10.7	10.6	10.2	**52.0**
54.0	10.0	9.9	9.8	**54.0**
56.0	9.4	9.3	9.2	**56.0**
58.0	8.8	8.7	8.6	**58.0**
60.0	8.3	8.2	8.1	**60.0**
62.0	7.8	7.7	7.6	**62.0**
64.0	7.3	7.2	7.1	**64.0**
66.0	6.9	6.8	6.7	**66.0**
68.0	6.6	6.5	6.4	**68.0**
70.0	6.2	6.1	5.9	**70.0**
72.0	5.9	5.8	5.7	**72.0**
74.0	5.6	5.5	5.4	**74.0**
76.0	75.4 m/5.4	5.3	5.1	**76.0**
78.0		4.9	4.8	**78.0**
80.0			4.5	**80.0**
82.0			80.7 m/4.4	**82.0**
84.0				**84.0**
Reeves	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 P18.

Auxiliary Sheave Lifting Capacity for Long Boom (With 35 t Main Hook)

Unit: metric ton

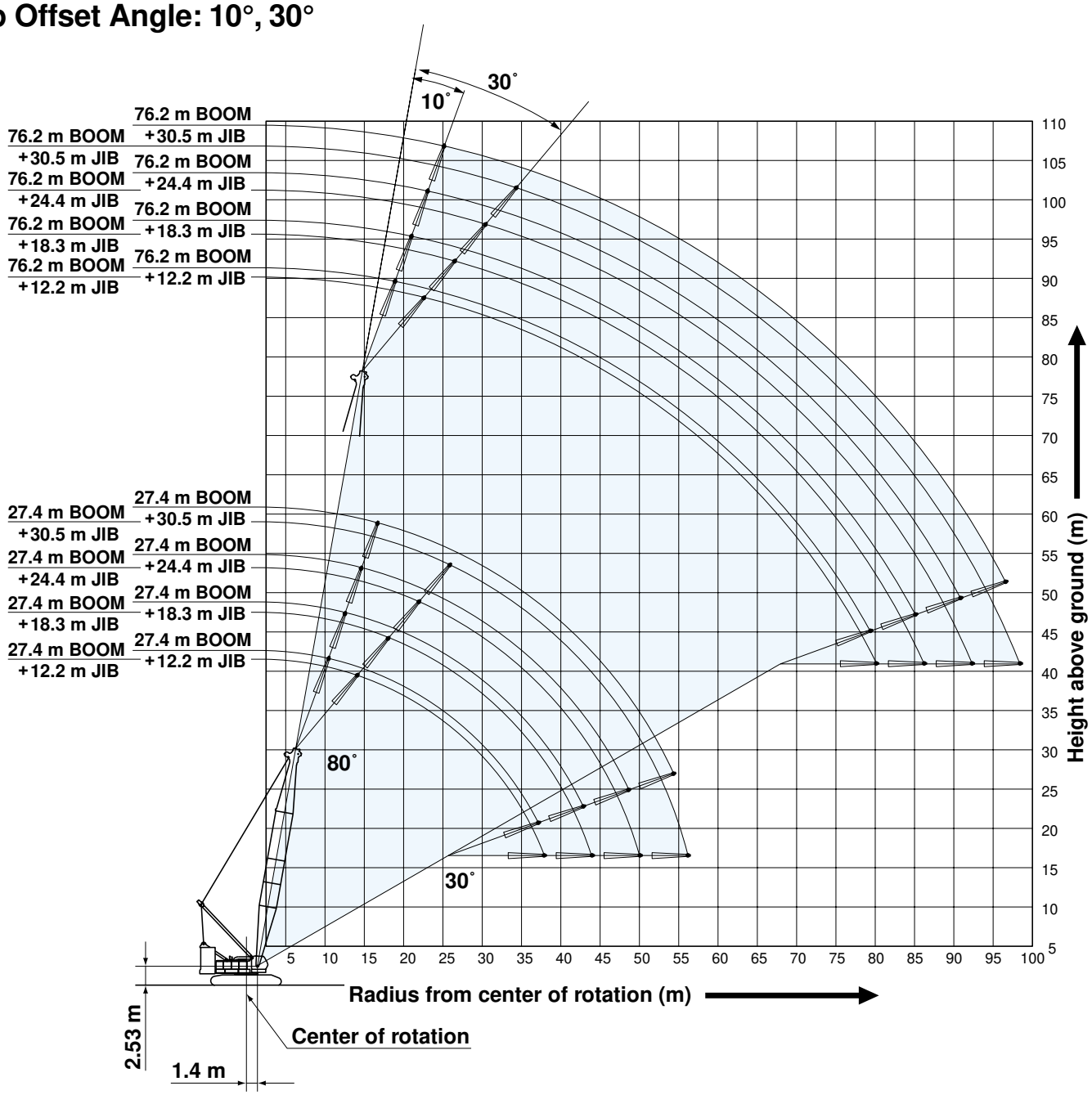
Counterweight: 90.0 t, Carbody weight: 24.0 t

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	Boom length (m) \ Working radius (m)
12.0	13.5 m/13.5										**12.0**
14.0	13.5	13.5	14.5 m/13.5	15.0 m/13.5	15.6 m/13.5						**14.0**
16.0	13.5	13.5	13.5	13.5	13.5	16.1 m/13.5	16.6 m/13.5	17.2m /13.5	17.7 m/13.5		**16.0**
18.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	18.2 m/13.5	**18.0**
20.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	**20.0**
22.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	**22.0**
24.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	**24.0**
26.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	**26.0**
28.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	**28.0**
30.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	**30.0**
32.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.8	**32.0**
34.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.3	**34.0**
36.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	11.7	**36.0**
38.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.3	11.3	**38.0**
40.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.8	10.8	**40.0**
42.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.3	10.4	**42.0**
44.0	13.5	13.5	13.4	13.2	13.1	13.0	12.9	12.8	11.9	10.1	**44.0**
46.0	12.8	12.6	12.4	12.2	12.1	12.0	11.9	11.8	11.5	9.7	**46.0**
48.0	12.0	11.7	11.6	11.3	11.2	11.1	11.0	10.9	11.0	9.4	**48.0**
50.0	11.2	10.9	10.8	10.5	10.4	10.3	10.2	10.1	10.0	9.2	**50.0**
52.0	10.4	10.2	10.0	9.8	9.7	9.6	9.5	9.4	9.3	8.9	**52.0**
54.0	9.8	9.5	9.4	9.1	9.0	8.9	8.8	8.7	8.6	8.5	**54.0**
56.0	9.1	8.9	8.7	8.5	8.4	8.3	8.2	8.1	8.0	7.9	**56.0**
58.0	8.4	8.3	8.2	7.9	7.8	7.7	7.6	7.5	7.4	7.3	**58.0**
60.0		7.7	7.6	7.4	7.3	7.2	7.1	7.0	6.9	6.8	**60.0**
62.0		60.7 m/7.5	7.2	6.9	6.8	6.7	6.6	6.5	6.4	6.3	**62.0**
64.0			63.3 m/6.9	6.4	6.3	6.2	6.1	6.0	5.9	5.8	**64.0**
66.0				5.9	5.9	5.8	5.7	5.6	5.5	5.4	**66.0**
68.0					5.5	5.5	5.4	5.3	5.2	5.1	**68.0**
70.0					68.6 m/5.4	5.1	5.0	4.9	4.8	4.6	**70.0**
72.0						71.3 m/4.8	4.7	4.6	4.5	4.4	**72.0**
74.0							73.9 m/4.4	4.3	4.2	4.1	**74.0**
76.0								4.0	4.0	3.8	**76.0**
78.0								76.5m /3.9	3.8	3.5	**78.0**
80.0									79.1 m/3.7	3.2	**80.0**
82.0										81.8 m/2.9	**82.0**
Reeves	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.
Refer to notes P18.

Fixed Jib Working Ranges

Jib Offset Angle: 10°, 30°



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/ 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. 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)

Jib Offset Angle: 10°

Counterweight: 90.0 t, Carbody weight: 24.0 t

Boom length (m)	27.4				36.6				45.7				54.9				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)
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
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
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
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
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
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
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

Working radius (m)

Boom length (m)	64.0				73.2				76.2				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)
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
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
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
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
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
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
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
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

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.

Unit: metric ton

Jib Offset Angle: 30°

Counterweight: 90.0 t, Carbody weight: 24.0 t

Boom length (m)	27.4				36.6				45.7				54.9				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)
14.0	14.1 m/19.3				15.7 m/19.3												14.0
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
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
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
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
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
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
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

Working radius (m)

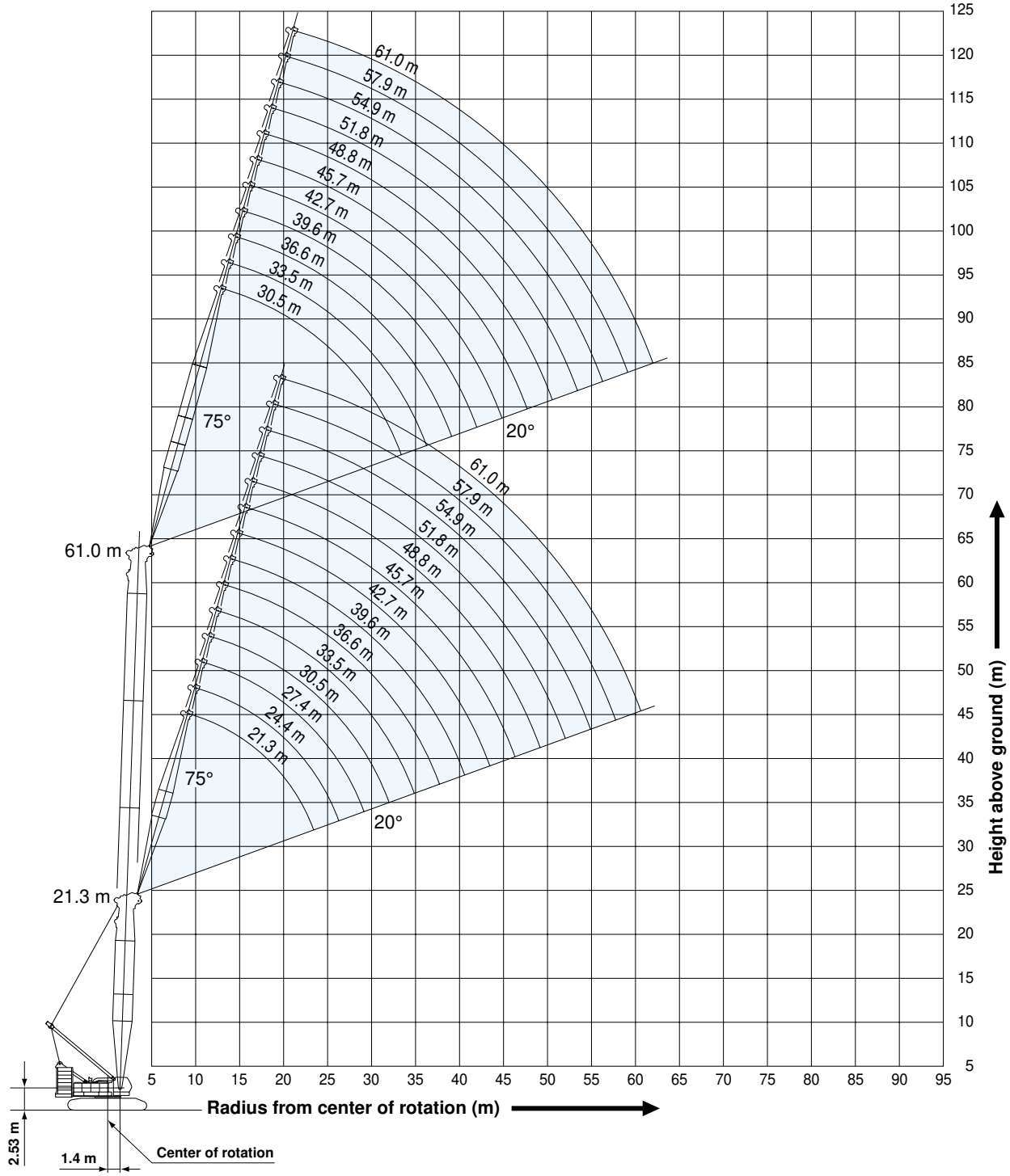
Boom length (m)	64.0				73.2				76.2				Boom length (m)
Jib length (m)	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	Jib length (m)
20.0	20.5 m/19.2												20.0
22.0	18.9				19.1				22.6 m/19.1				22.0
24.0	18.6	24.4 m/13.5			18.8				18.9				24.0
26.0	18.3	13.5			18.6	13.5			18.7	26.5 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
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
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
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
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
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
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

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.

Luffing Jib Working Ranges

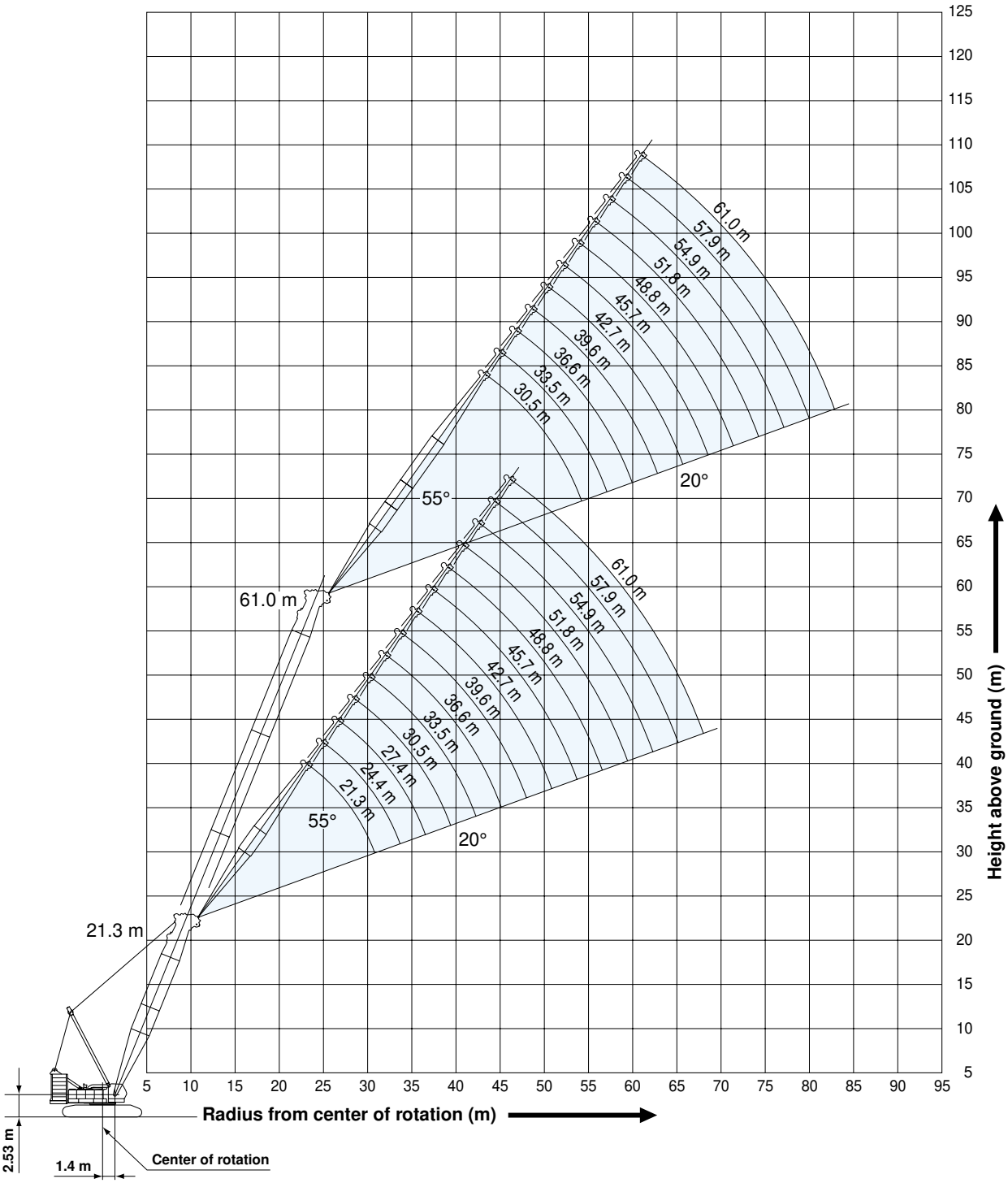
Boom Angle: 88°



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. 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. Luffing boom hoist reeving is 16 part line.
10. Luffing jib hoist reeving is 10 part line.

Boom Angle: 68°



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 or lowering the boom length of 54.9 m or over, 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. All luffing jib ratings and luffing boom ratings with luffing jib shown are calculated in the condition equipped with the auxiliary sheave frame.
18. Luffing jib ratings: Deduct weight of jib hook block, slings, and all other load handling accessories from luffing jib ratings shown.
19. Luffing boom ratings with luffing jib: Deduct weight of main hook block, slings and all other load handling accessories from luffing boom ratings with luffing jib shown.

Luffing Jib Lifting Capacities (Without Main Hook)

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 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°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
9.8	80.0																9.8
10.0	79.3																10.0
12.0	72.2				70.0												12.0
14.0	65.1	65.7			64.7				54.0								14.0
16.0	58.0	58.7			58.6	58.6			51.9				39.5				16.0
18.0	50.9	54.2			52.9	53.5			49.2	52.5			38.7				18.0
20.0	43.8	47.6			47.2	47.5			46.5	47.3			37.6	38.7			20.0
22.0	36.7	42.1			41.5	42.0			42.0	41.9			36.3	38.1			22.0
24.0	27.9	37.8	35.6		36.9	37.7			37.4	37.5			34.8	36.5			24.0
26.0			32.2		31.7	34.1			33.6	34.0			33.1	33.8			26.0
28.0			29.4	28.8	26.6	31.1	29.1		30.4	31.0			31.0	30.8			28.0
30.0			27.0	26.5		27.8	26.7	32.0m /24.2	27.3	28.4	32.0 m/24.4	36.0 m/20.7	28.2	28.3			30.0
34.0				32.0 m/24.4			22.8	22.4	20.4	24.3	22.6	19.3	23.8	24.2	36.0 m/21.0		34.0
38.0							36.0 m/21.3	19.5		36.0 m/21.5	19.7	17.0	18.9	21.1	19.6	40.0 m/17.9	38.0
42.0											17.4	44.0 m/16.0	40.0 m/16.4	17.2	17.2	16.8	42.0
46.0															15.4	15.0	46.0
50.0															48.0 m/14.5	13.4	50.0
Reeves	6				6				4				3				Reeves

Boom length (m)	21.3																Boom length (m)
Jib length (m)	45.7				51.8				57.9				61.0				Jib length (m)
Boom angle	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
16.0	29.4																16.0
18.0	28.7				26.6												18.0
20.0	28.1				26.0				20.9				18.4				20.0
22.0	27.5	28.1			24.9				20.4				18.3				22.0
24.0	27.0	27.5			23.8	24.3			19.5				17.6				24.0
26.0	26.5	27.0			22.7	23.2			18.5	19.2			16.7				26.0
28.0	25.9	26.6			21.6	22.1			17.5	18.2			15.8	16.4			28.0
30.0	24.7	25.9			20.4	21.1			16.6	17.2			15.0	15.6			30.0
34.0	22.4	23.5			18.2	18.9			15.0	15.5			13.6	14.0			34.0
38.0	20.3	20.9	19.4		16.3	17.0			13.5	14.0			12.3	12.7			38.0
42.0	16.9	18.4	17.0		14.3	15.0	16.8		12.3	12.7			11.2	11.6			42.0
46.0	13.3	15.8	15.1	44.0 m/15.6	12.5	13.2	14.9	48.0 m/13.7	11.2	11.6	12.8		10.3	10.6	48.0 m/11.2		46.0
50.0		48.0 m/14.0	13.6	14.8	10.7	11.5	13.3	12.9	10.2	10.6	11.7	52.0 m/11.6	9.4	9.7	10.7		50.0
54.0			12.3	13.2	52.0 m/9.7	9.7	11.9	11.7	9.3	9.7	10.8	11.1	8.6	9.0	9.9	10.1	54.0
58.0				12.0			10.3	10.6	8.2	8.9	9.9	10.2	7.9	8.2	9.1	9.4	58.0
62.0				56.0 m/11.4			60.0 m/9.5	9.3		60.0 m/8.2	9.1	9.4	7.0	7.5	8.4	8.7	62.0
66.0											8.0	8.6		64.0 m/7.0	7.8	8.0	66.0
70.0												68.0 m/8.0			68.0 m/7.5	7.4	70.0
Reeves	3				2				2				2				Reeves

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°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
10.0	73.4																10.0
12.0	67.6				67.5												12.0
14.0	61.7	65.4			62.4				54.0								14.0
16.0	55.9	58.4			57.3	58.3			52.1				39.5				16.0
18.0	50.1	53.9			52.2	53.2			49.4	52.2			38.6				18.0
20.0	44.2	47.3			47.1	47.2			46.8	47.0			37.5				20.0
22.0	38.4	41.9			42.0	41.7			42.6	41.6			36.3	38.3			22.0
24.0	29.7	37.5			37.2	37.4			37.8	37.3			34.8	37.0			24.0
26.0		33.5	31.4		32.8	33.8			33.9	33.7			33.2	33.6			26.0
28.0			28.6		27.7	30.8			30.6	30.7			31.3	30.6			28.0
30.0			26.2	25.5	22.3	28.3	25.9		27.8	28.2			28.5	28.1			30.0
34.0			32.0 m/24.2	21.8		32.0 m/25.1	22.1	21.5	21.2	24.1	21.9		23.9	24.0			34.0
38.0							19.2	18.7	36.0 m/17.6	19.7	19.0	18.5	19.5	20.9	18.9		38.0
42.0								40.0 m/17.6			16.8	16.3	40.0 m/17.1	18.4	16.7	16.1	42.0
46.0											44.0 m/15.8	14.5		44.0 m/15.9	14.8	14.3	46.0
50.0															13.3	12.8	50.0
54.0																52.0 m/12.2	54.0
Reeves	6				5				4				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 P25 and P26.

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

27.4 m Boom Length

Boom length (m)	27.4																Boom length (m)
Jib length (m)	45.7				51.8				57.9				61.0				Jib length (m)
Boom angle	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
18.0	28.7				25.7												18.0
20.0	28.1				25.4				20.4								20.0
22.0	27.5				24.5				20.1				18.1				22.0
24.0	27.0	27.7			23.5				19.3				17.4				24.0
26.0	26.5	27.2			22.4	22.8			18.4				16.6				26.0
28.0	25.9	26.7			21.3	21.7			17.4	18.1			15.7	16.3			28.0
30.0	24.7	26.2			20.2	20.7			16.5	17.1			14.9	15.5			30.0
34.0	22.4	23.8			18.1	18.7			14.9	15.4			13.5	14.0			34.0
38.0	20.4	20.7	40.0 m/17.5		16.2	16.8			13.5	14.0			12.2	12.7			38.0
42.0	17.5	18.2	16.4		14.3	14.9	44.0 m/15.2		12.3	12.7			11.2	11.5			42.0
46.0	13.8	16.2	14.6	14.1	12.5	13.2	14.3		11.2	11.6	48.0 m/12.2		10.2	10.6			46.0
50.0		13.0	13.1	12.6	10.8	11.6	12.8	12.3	10.3	10.6	11.7		9.4	9.7	10.6		50.0
54.0			11.8	11.4	52.0 m/10.0	9.9	11.5	11.1	9.4	9.8	10.7	10.8	8.6	8.9	9.8	56.0 m/9.7	54.0
58.0			56.0 m/11.3	10.3		56.0 m/9.1	10.4	10.0	8.4	9.0	9.9	9.8	8.0	8.3	9.0	9.3	58.0
62.0							9.0	9.1		7.6	9.1	8.9	7.3	7.6	8.4	8.6	62.0
66.0								64.0 m/8.7			8.1	8.1		64.0 m/7.3	7.8	8.0	66.0
70.0											68.0 m/7.5	7.4			7.1	7.3	70.0
74.0															72.0 m/6.5	6.5	74.0
Reeves	3				2				2				2				Reeves

Working Radius (m)

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	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
10.0	67.5																10.0
12.0	65.3				63.5												12.0
14.0	60.2				59.3				52.2								14.0
16.0	55.1	58.1			55.1				50.9				39.5				16.0
18.0	49.9	53.6			50.9	52.9			48.3				38.7				18.0
20.0	44.8	47.0			46.7	46.9			45.6	46.5			37.5				20.0
22.0	39.7	41.7			42.5	41.5			42.7	41.3			36.4	38.5			22.0
24.0	31.2	37.3			37.6	37.2			38.2	37.0			34.9	36.8			24.0
26.0		33.7			33.6	33.6			34.2	33.4			33.2	33.3			26.0
28.0			27.7		28.5	30.7			30.8	30.5			31.5	30.3			28.0
30.0			25.4		23.3	28.1	32.0 m/23.0		28.0	27.9			28.7	27.8			30.0
34.0			21.7	21.0		32.0 m/26.0	21.3		21.8	23.9	36.0 m/19.6		24.1	23.8			34.0
38.0			36.0 m/20.2	18.3			18.5	18.0	36.0 m/18.3	20.8	18.3		20.0	20.7	40.0 m/17.1		38.0
42.0							40.0 m/17.4	15.9			16.1	15.6	14.9	18.2	16.0	44.0 m/14.4	42.0
46.0								44.0 m/14.9			14.3	13.8		44.0 m/17.1	14.3	13.6	46.0
50.0												12.4			12.8	12.2	50.0
54.0															52.0 m/12.1	11.0	54.0
58.0																56.0 m/10.5	58.0
Reeves	5				5				4				3				Reeves

Working Radius (m)

Boom length (m)	33.5																Boom length (m)
Jib length (m)	45.7				51.8				57.9				61.0				Jib length (m)
Boom angle	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
18.0	28.8				24.7												18.0
20.0	28.1				24.4				19.8								20.0
22.0	27.6				24.1				19.5				17.5				22.0
24.0	27.0	27.9			23.2				19.2				17.3				24.0
26.0	26.6	27.3			22.1	22.5			18.3				16.4				26.0
28.0	25.9	26.8			21.1	21.4			17.3	18.0			15.6				28.0
30.0	24.7	26.4			20.0	20.4			16.4	17.1			14.8	15.4			30.0
34.0	22.4	23.6			18.0	18.4			14.8	15.4			13.4	13.9			34.0
38.0	20.4	20.5			16.1	16.6			13.4	13.9			12.1	12.6			38.0
42.0	17.8	18.0	44.0 m/14.9		14.3	14.8			12.2	12.6			11.1	11.5			42.0
46.0	14.2	16.1	14.0	48.0 m/12.6	12.5	13.2	13.7		11.2	11.6			10.2	10.5			46.0
50.0	48.0 m/12.2	13.9	12.5	12.0	10.9	11.6	12.3	52.0 m/11.0	10.2	10.6	11.6		9.4	9.7	52.0 m/10.1		50.0
54.0			11.3	10.8	52.0 m/10.1	10.0	11.0	10.5	9.4	9.8	10.7	56.0 m/9.7	8.6	8.9	9.7		54.0
58.0			10.3	9.8		56.0 m/9.2	10.0	9.4	8.5	9.0	9.7	9.2	8.0	8.2	9.0	9.1	58.0
62.0				8.9			9.0	8.6		7.8	8.8	8.3	7.3	7.6	8.3	8.2	62.0
66.0							64.0 m/8.4	7.8			8.0	7.6		64.0 m/7.3	7.7	7.5	66.0
70.0								68.0 m/7.5			7.0	6.9			7.0	6.8	70.0
74.0												6.3			6.0	6.2	74.0
78.0																76.0 m/5.9	78.0
Reeves	3				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.

Refer to notes P25 and P26.

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 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 / Working Radius (m)	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle / Working Radius (m)
10.0	64.5																10.0
12.0	60.6				54.0												12.0
14.0	56.6				54.0				48.5								14.0
16.0	52.7	57.7			53.0				48.1				37.4				16.0
18.0	48.8	53.2			49.5	52.5			47.1				37.0				18.0
20.0	44.8	46.6			46.1	46.5			44.8	46.1			36.6				20.0
22.0	40.9	41.3			42.7	41.2			42.6	40.9			36.2	37.1			22.0
24.0	32.4	37.0			38.0	36.9			38.2	36.6			35.0	36.5			24.0
26.0		33.4			33.9	33.3			34.5	33.1			33.3	33.0			26.0
28.0		30.4			29.2	30.4			31.1	30.2			31.5	30.0			28.0
30.0			32.0 m/22.5		24.0	27.9			28.2	27.7			28.9	27.5			30.0
34.0			20.9	36.0 m/18.6		23.8	20.4		22.3	23.6			24.2	23.5			34.0
38.0			18.1	17.4			17.7	40.0 m/16.0	36.0 m/18.8	20.6	17.5		20.4	20.5			38.0
42.0				40.0 m/16.3			15.6	15.0			15.4	44.0 m/13.8	15.4	18.0	15.3		42.0
46.0							44.0 m/14.7	13.4			13.7	13.0		44.0 m/17.0	13.6	48.0 m/12.1	46.0
50.0											12.3	11.7			12.2	11.5	50.0
54.0												52.0 m/11.1			11.0	10.3	54.0
58.0																9.4	58.0
Reeves	5				4				4				3				Reeves

Boom length (m)	39.6																Boom length (m)
Jib length (m)	45.7				51.8				57.9				61.0				Jib length (m)
Boom angle / Working Radius (m)	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle / Working Radius (m)
18.0	28.8																18.0
20.0	28.2				23.4				19.0								20.0
22.0	27.6				23.2				18.7				16.9				22.0
24.0	27.0	28.0			22.9				18.4				16.7				24.0
26.0	26.6	27.5			21.9	22.1			18.1				16.3				26.0
28.0	25.9	27.0			20.8	21.1			17.2				15.5				28.0
30.0	24.7	26.5			19.8	20.1			16.3	17.0			14.7	15.4			30.0
34.0	22.5	23.3			17.8	18.2			14.7	15.3			13.3	13.8			34.0
38.0	20.4	20.3			15.9	16.4			13.3	13.8			12.1	12.5			38.0
42.0	17.9	17.8			14.1	14.6			12.1	12.6			11.0	11.4			42.0
46.0	14.5	15.9	13.3		12.5	13.0	48.0 m/12.3		11.1	11.5			10.1	10.4			46.0
50.0	48.0 m/12.5	14.2	11.9	52.0 m/10.6	10.9	11.5	11.6		10.2	10.5	52.0 m/10.8		9.3	9.6			50.0
54.0			10.7	10.1	9.2	10.0	10.4	56.0 m/9.3	9.4	9.7	10.2		8.6	8.9	9.6		54.0
58.0			9.7	9.1		56.0 m/9.3	9.4	8.8	8.4	8.9	9.2	60.0 m/8.1	7.9	8.2	8.9		58.0
62.0			60.0 m/9.3	8.3			8.6	8.0	60.0 m/7.7	7.7	8.3	7.7	6.7	7.6	8.2	7.6	62.0
66.0				64.0 m/7.9			7.8	7.2			7.6	7.0		6.7	7.4	6.8	66.0
70.0								6.6			6.9	6.3			6.8	6.2	70.0
74.0											72.0 m/6.4	5.7			5.9	5.6	74.0
78.0												76.0 m/5.5			76.0 m/5.4	5.1	78.0
Reeves	3				2				2				2				Reeves

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 / Working Radius (m)	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle / Working Radius (m)
12.0	54.0				49.0												12.0
14.0	54.0				47.5				40.5								14.0
16.0	53.0	54.0			46.0				40.5				35.2				16.0
18.0	49.3	52.8			44.6				40.5				34.9				18.0
20.0	45.4	46.2			43.1	45.7			40.5				34.6				20.0
22.0	41.9	40.9			41.6	40.7			38.5	40.3			33.8				22.0
24.0	33.4	36.6			38.2	36.5			36.4	36.4			32.6	35.0			24.0
26.0		33.1			34.2	33.0			34.4	32.9			31.3	32.6			26.0
28.0		30.1			29.8	30.1			31.3	30.0			30.1	29.6			28.0
30.0					24.7	27.6			28.4	27.5			28.8	27.2			30.0
34.0			20.0			23.6			22.7	23.5			24.4	23.3			34.0
38.0			17.3	16.4			16.9		36.0 m/19.3	20.4	40.0 m/15.6		20.7	20.2			38.0
42.0			40.0 m/16.2	14.4			14.9	14.1		40.0 m/19.1	14.6		15.7	17.8	44.0 m/13.7		42.0
46.0				44.0 m/13.6			13.2	12.6			13.0	12.3		15.8	12.9		46.0
50.0								11.2			11.6	11.0			11.5	10.7	50.0
54.0											52.0 m/11.0	9.9			10.4	9.6	54.0
58.0												56.0 m/9.5			9.4	8.7	58.0
62.0																60.0 m/8.3	62.0
Reeves	4				4				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 P25 and P26.

Unit: metric ton

Counterweight: 90.0 t, Carbody weight: 24.0 t

45.7 m Boom Length

Boom length (m)	45.7																Boom length (m)
Jib length (m)	45.7				51.8				57.9				61.0				Jib length (m)
Boom angle / Working Radius (m)	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle / Working Radius (m)
18.0	28.1																18.0
20.0	27.8				22.4				18.3								20.0
22.0	27.5				22.1				18.0				16.3				22.0
24.0	27.1				21.8				17.7				16.1				24.0
26.0	26.6	27.6			21.5				17.4				15.9				26.0
28.0	26.0	27.1			20.6	20.8			17.1				15.4				28.0
30.0	24.7	26.6			19.6	19.8			16.2	17.0			14.6	15.3			30.0
34.0	22.5	23.0			17.6	17.9			14.6	15.3			13.2	13.8			34.0
38.0	20.4	20.0			15.8	16.1			13.2	13.8			12.0	12.5			38.0
42.0	18.0	17.6			14.0	14.5			12.1	12.5			10.9	11.4			42.0
46.0	14.7	15.6	48.0 m/11.9		12.4	12.9			11.0	11.4			10.0	10.4			46.0
50.0	48.0 m/12.8	14.0	11.3		10.8	11.4	52.0 m/10.4		10.1	10.5			9.2	9.5			50.0
54.0		52.0 m/13.3	10.1	9.3	9.2	10.0	9.8		9.3	9.7	9.6		8.5	8.8	56.0 m/8.9		54.0
58.0			9.2	8.4		8.5	8.9	8.1	8.4	8.8	8.6		7.5	8.1	8.5		58.0
62.0			8.3	7.7			8.0	7.3	60.0 m/7.7	7.7	7.8	7.0	5.6	7.5	7.7	64.0 m/6.4	62.0
66.0			64.0 m/8.0	7.0			7.3	6.6		64.0 m/7.0	7.1	6.3		6.6	6.9	6.1	66.0
70.0							6.6	5.9			6.4	5.6			6.2	5.5	70.0
74.0								72.0 m/5.6			5.8	5.1			5.6	4.9	74.0
78.0												4.6			4.8	4.4	78.0
82.0																4.0	82.0
Reeves	3				2				2				2				Reeves

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 / Working Radius (m)	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle / Working Radius (m)
12.0	54.0				40.5												12.0
14.0	52.4				40.5				40.5								14.0
16.0	47.1				40.5				40.5				32.7				16.0
18.0	42.6	51.8			40.5				40.5				32.3				18.0
20.0	38.8	45.8			39.1	40.5			38.7				31.9				20.0
22.0	35.5	40.6			35.8	40.3			35.6	39.8			31.5				22.0
24.0	32.5	36.3			33.0	36.1			32.9	35.9			31.1	32.7			24.0
26.0		32.9			30.5	32.6			30.6	32.5			30.2	32.2			26.0
28.0		29.9			28.3	29.7			28.4	29.6			28.1	29.3			28.0
30.0					25.5	27.2			26.5	27.1			26.3	26.9			30.0
34.0			36.0 m/17.7			23.3			23.2	23.2			23.2	23.0			34.0
38.0			16.5				40.0 m/15.1		36.0 m/19.9	20.2			20.6	19.9			38.0
42.0			14.5	13.6			14.1			40.0 m/18.9	13.9		16.1	17.5			42.0
46.0				12.0			12.5	11.6			12.3			15.6	12.1		46.0
50.0							48.0 m/11.9	10.4			11.0	10.2			10.8		50.0
54.0								52.0 m/9.9			9.9	9.2			9.7	8.8	54.0
58.0												8.3			8.8	7.9	58.0
62.0															60.0 m/8.4	7.2	62.0
66.0																64.0 m/6.8	66.0
Reeves	4				3				3				3				Reeves

Boom length (m)	51.8																Boom length (m)
Jib length (m)	45.7				51.8				57.9				61.0				Jib length (m)
Boom angle / Working Radius (m)	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle / Working Radius (m)
18.0	26.2																18.0
20.0	25.9				21.2												20.0
22.0	25.7				20.9				17.3				15.7				22.0
24.0	25.4				20.6				17.0				15.4				24.0
26.0	25.1	26.0			20.3				16.7				15.1				26.0
28.0	24.8	25.7			20.0	20.5			16.4				14.8				28.0
30.0	24.5	25.4			19.4	19.5			16.1	16.9			14.5	32.0 m/14.5			30.0
34.0	22.5	22.7			17.4	17.7			14.5	15.2			13.1	13.7			34.0
38.0	20.5	19.7			15.6	15.9			13.1	13.7			11.9	12.4			38.0
42.0	18.0	17.3			13.9	14.3			12.0	12.4			10.9	11.3			42.0
46.0	14.9	15.4			12.3	12.7			11.0	11.4			10.0	10.3			46.0
50.0	48.0 m/13.0	13.8	10.6		10.7	11.3			10.1	10.4			9.2	9.5			50.0
54.0		52.0 m/13.1	9.5		9.2	9.9	9.2		9.3	9.6			8.5	8.7			54.0
58.0			8.5	7.6		8.5	8.2		7.3	8.7	8.0		6.3	8.1	7.8		58.0
62.0			7.8	6.8			7.4	6.4	60.0 m/6.4	7.6	7.1		4.4	7.5	6.9		62.0
66.0			7.1	6.1			6.7	5.8		64.0 m/7.0	6.4	5.4		5.7	6.2	68.0 m/4.9	66.0
70.0				5.6			6.1	5.2			5.8	4.8			5.6	4.7	70.0
74.0							72.0 m/5.8	4.6			5.2	4.3			5.0	4.2	74.0
78.0								76.0 m/4.4			4.7	3.9			4.5	3.7	78.0
82.0												3.5			80.0 m/4.2	3.3	82.0
86.0																84.0 m/3.1	86.0
Reeves	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 P25 and P26.

Unit: metric ton

Counterweight: 90.0 t,
Carbody weight: 24.0 t

57.9 m Boom Length

Boom length (m)		57.9																Boom length (m)
Jib length (m)		21.3				27.4				33.5				39.6				Jib length (m)
Boom angle		88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
Working Radius (m)	12.0	40.5																12.0
	14.0	38.4				39.5				37.2								14.0
	16.0	35.4				35.7				35.5				27.0				16.0
	18.0	33.0	40.5			32.4				32.3				27.0				18.0
	20.0	30.0	37.3			29.6	36.3			29.6				27.0				20.0
	22.0	27.5	33.7			27.2	33.0			27.2	32.8			27.0				22.0
	24.0	25.2	30.7			25.1	30.2			25.1	30.1			25.0	27.0			24.0
	26.0		28.0			23.3	27.7			23.3	27.6			23.2	27.0			26.0
	28.0		25.7			21.6	25.5			21.7	25.5			21.6	25.3			28.0
	30.0		23.6			20.1	23.6			20.2	23.6			20.1	23.5			30.0
	34.0						20.4			17.7	20.5			17.7	20.4			34.0
	38.0			15.8			36.0 m/19.0			36.0 m/16.5	17.9			15.6	17.9			38.0
	42.0			13.8	44.0 m/11.8			13.6			15.7			13.8	15.8			42.0
	46.0			44.0 m/13.0	11.2			12.0	48.0 m/10.2			11.7			14.0	48.0 m/10.7		46.0
	50.0				48.0 m/10.5			10.8	9.7			10.4	52.0 m/8.8		48.0 m/13.2	10.1		50.0
	54.0								8.7			9.4	8.3			9.1	56.0 m/7.4	54.0
	58.0											56.0 m/8.9	7.4			8.2	7.0	58.0
	62.0												60.0 m/7.0			7.4	6.3	62.0
	66.0																5.7	66.0
	Reeves	3				3				3				2				Reeves

Boom length (m)		57.9																Boom length (m)
Jib length (m)		45.7				51.8				57.9				61.0				Jib length (m)
Boom angle		88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
Working Radius (m)	18.0	24.5																18.0
	20.0	24.2				20.0												20.0
	22.0	23.9				19.7				16.4				14.9				22.0
	24.0	23.6				19.4				16.2				14.7				24.0
	26.0	23.1	24.3			19.1				16.0				14.5				26.0
	28.0	21.5	24.0			18.8				15.8				14.3				28.0
	30.0	20.0	22.8			18.5	19.3			15.6	32.0 m/16.0			14.1	32.0 m/14.4			30.0
	34.0	17.6	19.8			17.2	17.4			14.4	15.1			13.0	13.7			34.0
	38.0	15.6	17.5			15.4	15.7			13.1	13.6			11.8	12.3			38.0
	42.0	13.8	15.5			13.8	14.1			11.9	12.4			10.8	11.2			42.0
	46.0	12.4	13.9			12.2	12.6			10.9	11.3			9.9	10.2			46.0
	50.0	48.0 m/11.7	12.4	52.0 m/9.3		10.6	11.1			10.0	10.3			9.1	9.4			50.0
	54.0		52.0 m/11.8	8.8		9.2	9.8	56.0 m/7.9		7.9	9.5			7.0	8.6			54.0
	58.0			7.9	60.0 m/6.5		8.5	7.5		6.0	8.5	60.0 m/6.8		5.0	8.0			58.0
	62.0			7.1	6.1			6.7	64.0 m/5.2	60.0 m/5.1	7.5	6.4		3.3	6.8	6.2		62.0
	66.0			6.4	5.5			6.0	4.9		64.0 m/6.4	5.7	68.0 m/4.3		4.7	5.5		66.0
	70.0			68.0 m/6.1	5.0			5.4	4.4			5.1	4.0		68.0 m/3.7	4.9	3.9	70.0
	74.0				72.0 m/4.7			4.9	3.9			4.6	3.6			4.4	3.4	74.0
	78.0								3.5			4.1	3.2			3.9	3.0	78.0
	82.0											80.0 m/3.9	2.8			3.5	2.6	82.0
	86.0												84.0 m/2.6					86.0
	Reeves	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 P25 and P26.

Unit: metric ton

Counterweight: 90.0 t,
Carbody weight: 24.0 t

61.0 m Boom Length

Boom length (m)	61.0																Boom length (m)
Jib length (m)	30.5				33.5				39.6				45.7				Jib length (m)
Boom angle	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
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				23.6				18.0
20.0	26.2				26.1				26.0				23.3				20.0
22.0	24.1	29.4			24.0				23.8				23.0				22.0
24.0	22.2	26.9			22.1	25.8			22.0				21.8				24.0
26.0	20.6	24.6			20.5	23.8			20.4	23.6			20.2				26.0
28.0	19.1	22.7			19.0	22.0			18.9	21.8			18.8	21.6			28.0
30.0	17.8	21.0			17.7	20.4			17.6	20.2			17.5	20.1			30.0
34.0	15.5	18.1			15.5	17.7			15.4	17.6			15.3	17.5			34.0
38.0		15.7			36.0 m/14.5	15.5			13.6	15.4			13.5	15.3			38.0
42.0			44.0 m/12.2			13.7			12.0	13.6			12.0	13.5			42.0
46.0			11.5				11.2			12.1			10.7	12.1			46.0
50.0			10.2	52.0 m/8.5			10.0			48.0 m/11.4	9.7		48.0 m/10.1	10.8			50.0
54.0			9.2	8.0			9.0	7.9			8.7			9.6	8.3		54.0
58.0				7.1			8.1	7.1			7.8	6.7			7.4		58.0
62.0				60.0 m/6.8				6.4			7.0	6.0			6.7	5.6	62.0
66.0												5.4			6.0	5.0	66.0
70.0												68.0 m/5.1			68.0 m/5.7	4.5	70.0
74.0																4.1	74.0
Reeves	3				2				2				2				Reeves

Working Radius (m)

Boom length (m)	61.0												Boom length (m)
Jib length (m)	51.8				57.9				61.0				Jib length (m)
Boom angle	88°	83°	68°	63°	88°	83°	68°	63°	88°	83°	68°	63°	Boom angle
20.0	19.4												20.0
22.0	19.1				15.9				14.5				22.0
24.0	18.8				15.7				14.3				24.0
26.0	18.5				15.5				14.1				26.0
28.0	17.5				15.3				13.9				28.0
30.0	16.4	18.6			15.1	32.0 m/15.5			13.7	32.0 m/14.1			30.0
34.0	14.5	16.4			13.5	14.6			13.0	13.6			34.0
38.0	12.9	14.5			12.2	13.0			11.8	12.3			38.0
42.0	11.6	12.9			11.0	11.7			10.7	11.1			42.0
46.0	10.4	11.5			10.0	10.7			9.8	10.2			46.0
50.0	9.5	10.3			9.0	9.7			8.4	9.3			50.0
54.0	8.6	9.3	56.0 m/7.5		7.1	8.9			6.3	8.6			54.0
58.0		8.4	7.1		5.3	8.2	60.0 m/6.3		4.4	7.9			58.0
62.0		60.0 m/7.7	6.3		60.0 m/4.4	6.5	6.0		2.8	6.2	5.8		62.0
66.0			5.6	4.4		4.8	5.3			4.2	5.1		66.0
70.0			5.0	3.9			4.7	3.6		68.0 m/3.2	4.6	72.0 m/3.2	70.0
74.0			4.5	3.5			4.2	3.2			4.0	3.0	74.0
78.0				3.1			3.8	2.8			3.6	76.0 m/2.8	78.0
82.0				80.0 m/2.9			80.0 m/3.6				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.
Refer to notes P25 and P26.

Luffing Boom Lifting Capacities with Luffing Jib

Attached at 23 Degree Boom to Luffing Jib Offset Angle

Unit: metric ton

Counterweight: 90.0 t,
Carbody weight: 24.0 t

21.3 m Boom Length

Boom length (m)	21.3					
Jib length (m)	21.3	30.5	39.6	48.8	57.9	61.0
6.4 m	125.0	119.0	114.1	107.5	100.3	97.2
7.0 m	125.0	119.0	114.1	107.5	100.3	97.2
8.0 m	125.0	119.0	114.1	107.5	100.3	97.2
9.0 m	111.7	106.6	102.7	97.3	91.6	89.1
10.0 m	99.3	94.5	90.7	85.7	80.3	77.9
12.0 m	72.6	68.2	64.8	61.2	55.2	53.0
14.0 m	55.3	51.3	48.0	44.7	39.1	37.2
16.0 m	43.9	40.1	37.0	33.8	28.6	26.8
18.0 m	35.7	32.2	29.1	26.1	21.2	19.5
Reeves	10	10	10	8	8	8

30.5 m Boom Length

Boom length (m)	30.5					
Jib length (m)	21.3	30.5	39.6	48.8	57.9	61.0
8.0 m	115.2	111.6	106.5	101.4	95.8	93.4
9.0 m	107.3	103.9	99.3	94.5	89.3	87.1
10.0 m	95.7	92.5	88.1	83.7	78.8	76.7
12.0 m	72.9	70.0	66.0	62.0	57.6	55.7
14.0 m	55.6	53.0	49.3	45.5	41.5	39.7
16.0 m	44.0	41.6	38.1	34.5	30.7	29.1
18.0 m	35.7	33.4	30.1	27.5	23.1	21.6
20.0 m	29.3	27.1	23.9	21.4	17.2	15.8
22.0 m	24.2	22.2	19.0	16.7	12.6	11.2
24.0 m	20.2	18.2	15.1	12.9	9.0	7.7
Reeves	10	10	8	8	8	7

36.6 m Boom Length

Boom length (m)	36.6					
Jib length (m)	21.3	30.5	39.6	48.8	57.9	61.0
10.0 m	93.5	89.2	84.6	80.3	75.8	73.8
12.0 m	74.5	70.6	66.4	62.6	58.5	56.7
14.0 m	57.1	53.5	49.7	46.2	42.3	40.7
16.0 m	45.5	42.1	38.5	35.1	31.6	30.0
18.0 m	37.1	33.9	30.4	27.3	23.9	22.4
20.0 m	30.6	27.5	24.2	21.2	18.0	16.6
22.0 m	25.5	22.5	19.3	16.4	13.3	12.0
24.0 m	21.3	18.4	15.3	12.6	9.6	8.3
26.0 m	18.0	15.2	12.2	9.5	6.6	
28.0 m	15.1	12.4	9.5	7.5		
30.0 m	12.9	10.2	7.4	5.5		
Reeves	7	7	7	6	6	6

42.7 m Boom Length

Boom length (m)	42.7					
Jib length (m)	21.3	30.5	39.6	48.8	57.9	61.0
12.0 m	71.6	67.5	63.5	59.9	55.9	54.2
14.0 m	57.3	53.5	49.8	46.5	42.9	41.3
16.0 m	45.7	42.1	38.6	35.5	32.1	30.6
18.0 m	37.2	33.8	30.6	27.6	24.4	23.0
20.0 m	30.6	27.4	24.2	21.4	18.3	17.0
22.0 m	25.3	22.2	19.2	16.5	13.6	12.3
24.0 m	21.2	18.2	15.2	12.6	9.8	8.6
26.0 m	17.8	14.9	12.0	9.5	6.8	
28.0 m	14.9	12.1	9.3	6.9		
30.0 m	12.5	9.8	7.1	5.2		
32.0 m	10.5	7.8	5.2			
34.0 m	8.7	6.1				
Reeves	6	6	5	5	5	5

48.8 m Boom Length

Boom length (m)	48.8					
Jib length (m)	21.3	30.5	39.6	48.8	57.9	61.0
12.0 m	65.4	61.7	57.8	54.0	49.3	47.3
14.0 m	55.8	52.5	48.5	46.2	41.8	40.3
16.0 m	45.5	42.4	38.7	36.6	32.4	31.0
18.0 m	37.1	34.2	30.6	28.6	24.7	23.4
20.0 m	30.4	27.7	24.3	22.4	18.7	17.4
22.0 m	25.2	22.5	19.3	17.4	13.9	12.6
24.0 m	21.0	18.4	15.3	13.5	10.1	8.9
26.0 m	17.6	15.1	12.1	10.3	7.0	
28.0 m	14.7	12.2	9.3	7.6		
30.0 m	12.3	9.9	7.0	5.4		
32.0 m	10.2	7.8	5.1			
34.0 m	8.4	6.1				
36.0 m	6.9					
38.0 m	5.5					
Reeves	5	5	5	5	4	4

54.9 m Boom Length

Boom length (m)	54.9					
Jib length (m)	21.3	30.5	39.6	48.8	57.9	61.0
14.0 m	51.2	47.7	44.6	41.6	37.3	35.8
16.0 m	44.4	41.1	38.3	35.4	31.4	30.0
18.0 m	37.1	34.0	31.3	28.6	24.8	23.5
20.0 m	30.4	27.4	24.9	22.3	18.7	17.5
22.0 m	25.2	22.3	19.8	17.4	13.9	12.7
24.0 m	21.0	18.2	15.8	13.4	10.1	9.0
26.0 m	17.5	14.7	12.5	10.2	7.0	5.9
28.0 m	14.6	12.0	9.8	7.5		
30.0 m	12.1	9.5	7.4	5.2		
32.0 m	10.0	7.5	5.4			
34.0 m	8.2	5.7				
36.0 m	6.6					
38.0 m	5.2					
Reeves	4	4	4	4	3	3

61.0 m Boom Length

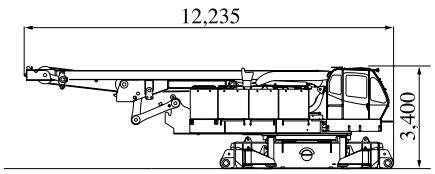
Boom length (m)	61.0				
Jib length (m)	30.5	39.6	48.8	57.9	61.0
14.0 m	46.2	43.6	40.0	35.8	34.3
16.0 m	38.4	35.6	32.8	28.9	27.6
18.0 m	32.6	30.0	27.4	23.7	22.4
20.0 m	27.2	24.7	22.2	18.7	17.5
22.0 m	22.1	19.7	17.4	14.0	12.9
24.0 m	17.9	15.6	13.3	10.1	9.0
26.0 m	14.6	12.3	10.2	7.0	6.0
28.0 m	11.7	9.6	7.4		
30.0 m	9.3	7.2	5.1		
32.0 m	7.3	5.2			
34.0 m	5.5				
Reeves	4	4	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 P25 and P26.

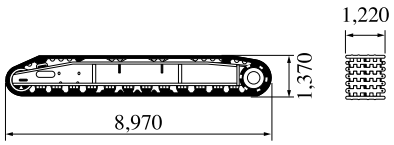
PARTS AND ATTACHMENTS

Dimensions: mm Weight: kg

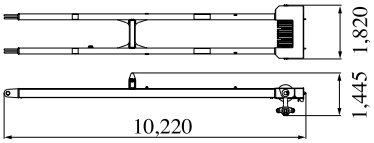
Base Machine
With trans-lifter, main and aux. winches (non-free fall) including wire rope and boom hoist winch including wire rope
Weight: 44,900 kg Width: 3,400 mm



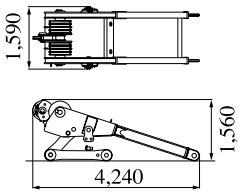
Crawler
Weight: 20,700 kg



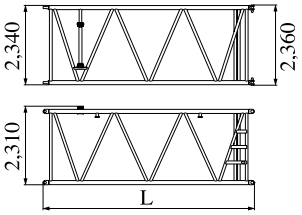
Mast
Weight: 2,870 kg



Gantry
Weight: 3,020 kg



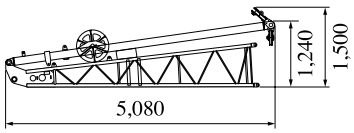
Insert Boom



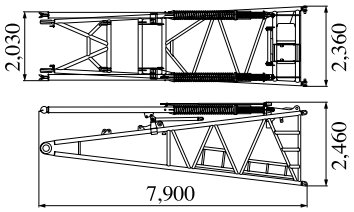
	L (mm)	Weight (kg)*
3.0m	3,175	890
6.1m	6,220	1,440
12.2m	12,320	2,540

*with boom guy cables

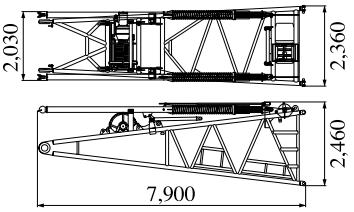
Jib Base with Strut (For Crane)
Weight: 510 kg Width: 1,040 mm



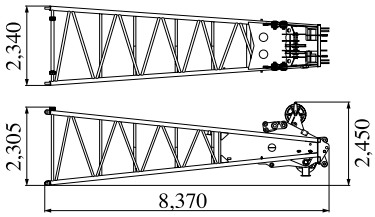
Boom Base
Weight: 4,665 kg



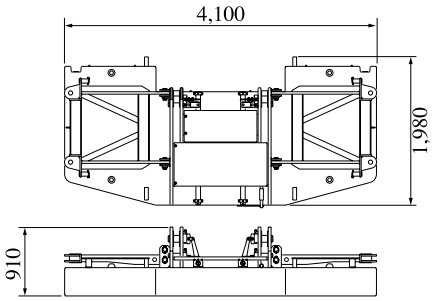
Boom Base (with Winch)
Weight: 6,810 kg



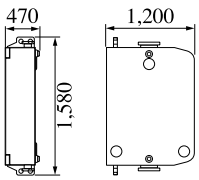
Boom Top
Weight: 3,720 kg (with boom guy cables)



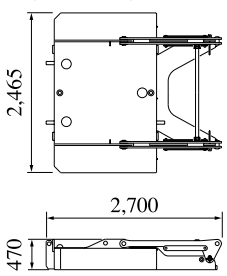
Counterweight A
Weight: 11,040 kg



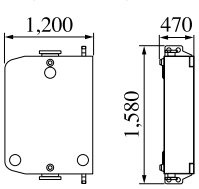
Counterweight B, C
Weight:
Counterweight B: 5,625 kg x 7 pieces
Counterweight C: 5,625 kg x 7 pieces



Carbodyweight A
Weight: 6,350 kg x 2 pieces

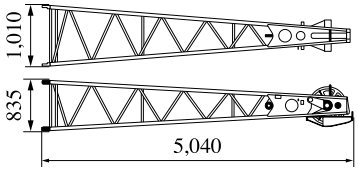


Carbodyweight B
Weight: 5,625 kg x 2 pieces

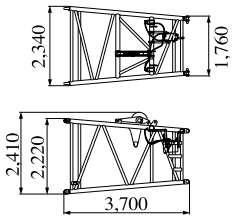


Dimensions: mm Weight: kg

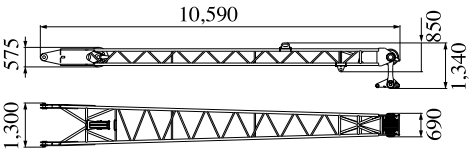
Jib Top (For Crane)
Weight: 315 kg



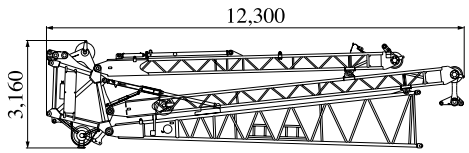
Luffing Tapered Boom
Weight: 1,190 kg



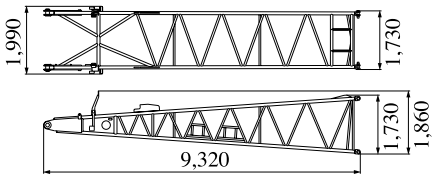
Front Strut (Luffing Jib)
Weight: 1,410 kg



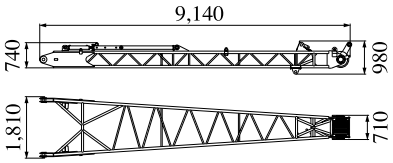
Travel Kit Assembly
Weight: 6,730 kg



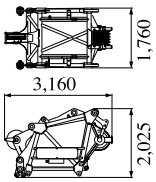
Luffing Jib Base
Weight: 1,470 kg



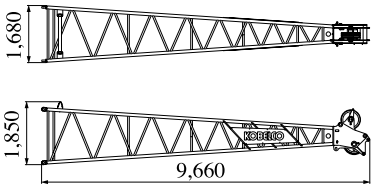
Rear Strut (Luffing Jib)
Weight: 1,510 kg



Luffing Boom Top
Weight: 2,085 kg



Luffing Jib Top
Weight: 1,400 kg



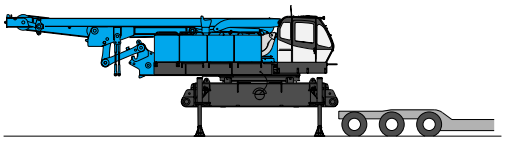
Attachments	Weight	Dimensions (L x W x H)
3.0 m insert jib (for crane)	110 kg	3,130 mm x 1,020 mm x 840 mm
6.1 m insert jib (for crane)	190 kg	6,175 mm x 1,020 mm x 840 mm
Relay jib	400 kg (with guy cables)	3,170 mm x 1,670 mm x 1,690 mm
Tapered boom with idler sheave & link (for long)	1,170 kg	4,905 mm x 2,340 mm x 2,360 mm
3.0 m luffing insert jib	420 kg (with guy cables)	3,160 mm x 1,670 mm x 1,690 mm
6.1 m luffing insert jib	670 kg (with guy cables)	6,210 mm x 1,670 mm x 1,690 mm
12.2 m luffing insert jib	1,170 kg (with guy cables)	12,310 mm x 1,670 mm x 1,690 mm
Jib backstop (for luffing)	260 kg	3,580 mm x 250 mm x 280 mm (x 2 pieces)
Strut backstop (for luffing)	255 kg	3,390 mm x 210 mm dia. (x 2 pieces)
Auxiliary sheave (for crane)	290 kg	2,010 mm x 720 mm x 735 mm
Auxiliary sheave (for luffing)	380 kg	1,070 mm x 910 mm x 890 mm
Luffing jib drum	2,050 kg (with wire rope)	1,780 mm x 1,190 mm x 1,040 mm
250-ton hook	4,200 kg	2,310 mm x1,620 mm x 720 mm
150-ton hook	2,300 kg	2,250 mm x 715 mm x 700 mm
	1,200 kg	1,825 mm x 380 mm x 700 mm
	900 kg	1,575 mm x 365 mm x 700 mm
	450 kg	1,200 mm x 380 mm dia.

Note: Estimated weights may vary

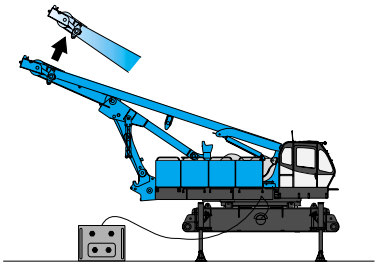
Note: Estimated weights may vary

SELF-REMOVAL DEVICE

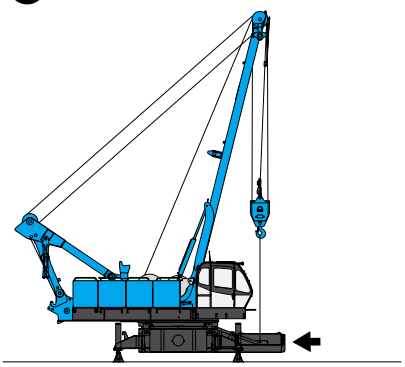
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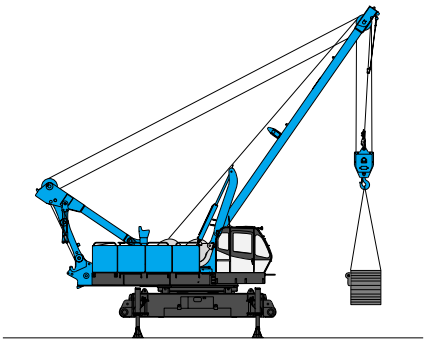
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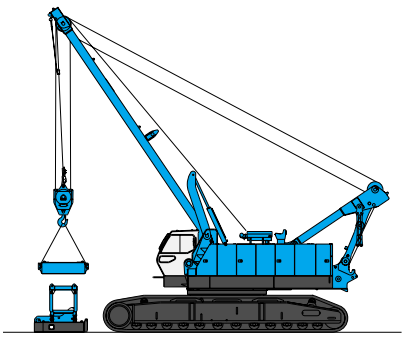
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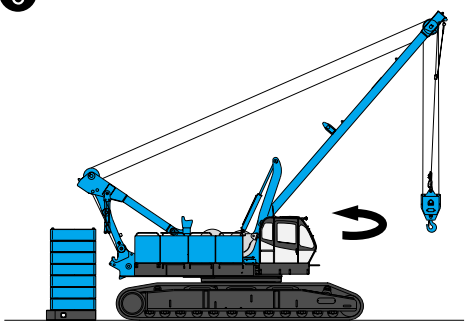
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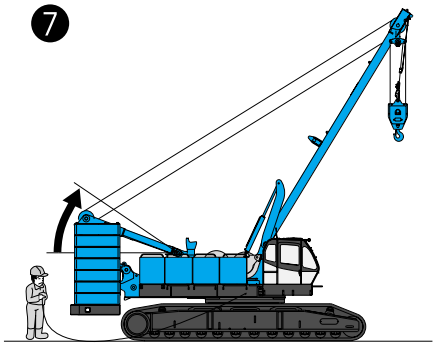
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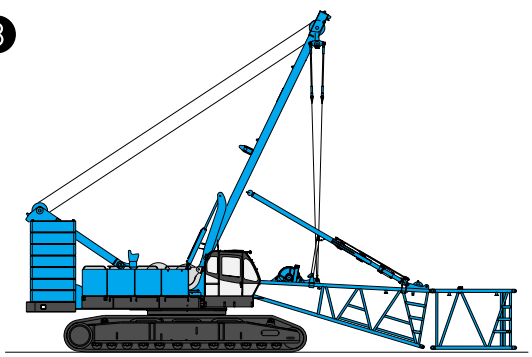
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HYDRAULIC CRAWLER CRANE

CKE2500

Standard Equipment

Upper structure/Lower structure

Counterweight: 90.0 ton (total weight)
Carbody weight: 24.0 ton (total weight)
1,220 mm shoe crawlers
Batteries (170Ah/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

Boom hoist pedal (EU area only)
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.
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