

7100

Max. Lifting Capacity : 100 Metric Tons at 5.5 Meters

Max. Boom Length : 70.1 Meter

Specifications

- Advanced winch system delivers a wide range of precisely controlled hoisting speeds, and the fastest hoisting in its class.
- Independent drum speed control system for main drum, auxiliary drum and boom hoisting simplify lateral shifting of suspended loads in complex operations.
- Large main and auxiliary drums can be run simultaneously or independently at different speeds and opposite directions, according to your needs.
- Two-speed propel system features high speed for travel, low for superior breakout force.
- Direct fuel injection in an turbo charged engine delivers dependable performance with top fuel economy.
- Neutral-free and neutral-brake swing control modes give more control over swing braking, to suit either tough, repetitive jobs (Clamshell etc.), or fine-control crane operations.

LEE MACHINERY & TRADING Co. W.L.L

PO BOX 24783 - Doha-Qatar

Tel : +974-460-5584

Fax : +974-458-2434

Mob : +974-557-5740

E-mail : 1stuae@gmail.com

Head Office - Korea

Yuekchun Construction Co. LTD.

Tel : +82-22691-6000

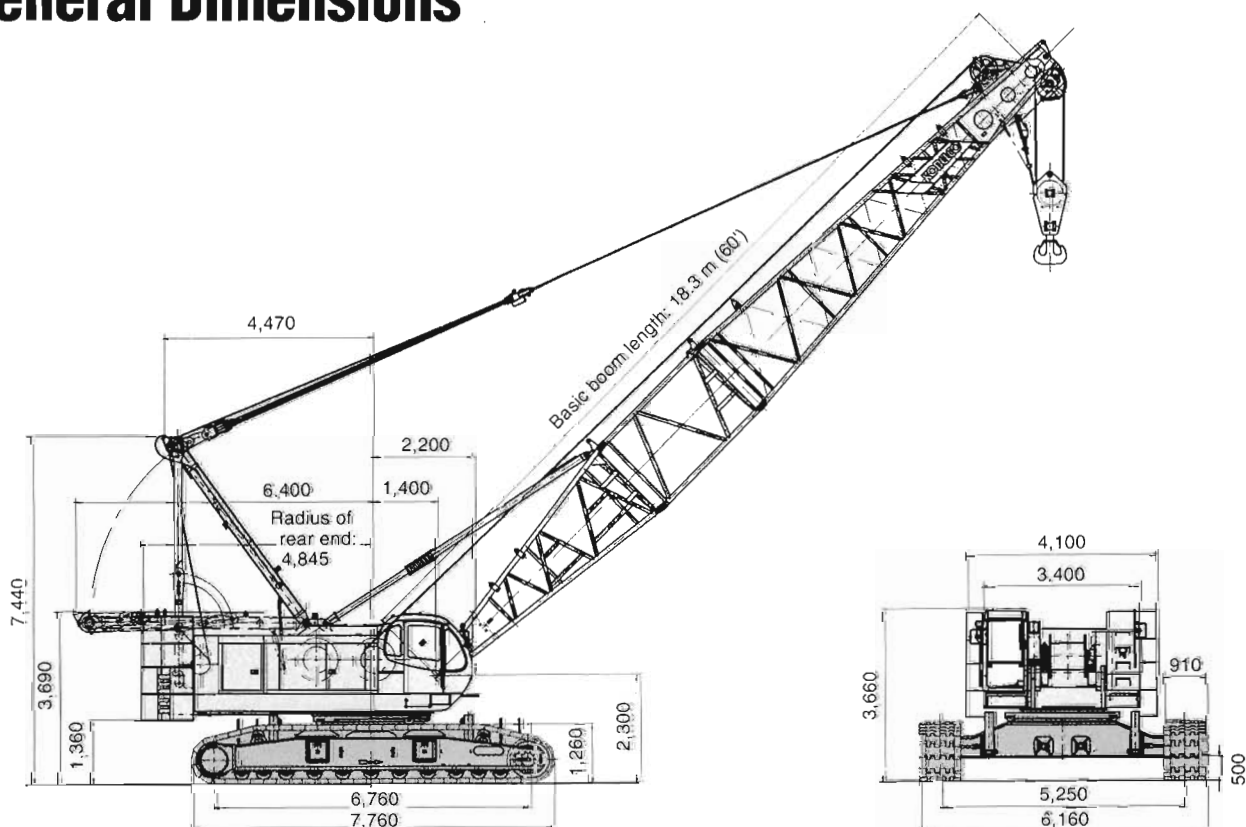
Fax : +82-22691-6001

Email : y6000@paran.com

Web : www.y6000.co.kr

General Dimensions

Unit: mm



Configuration and Style of Attachment

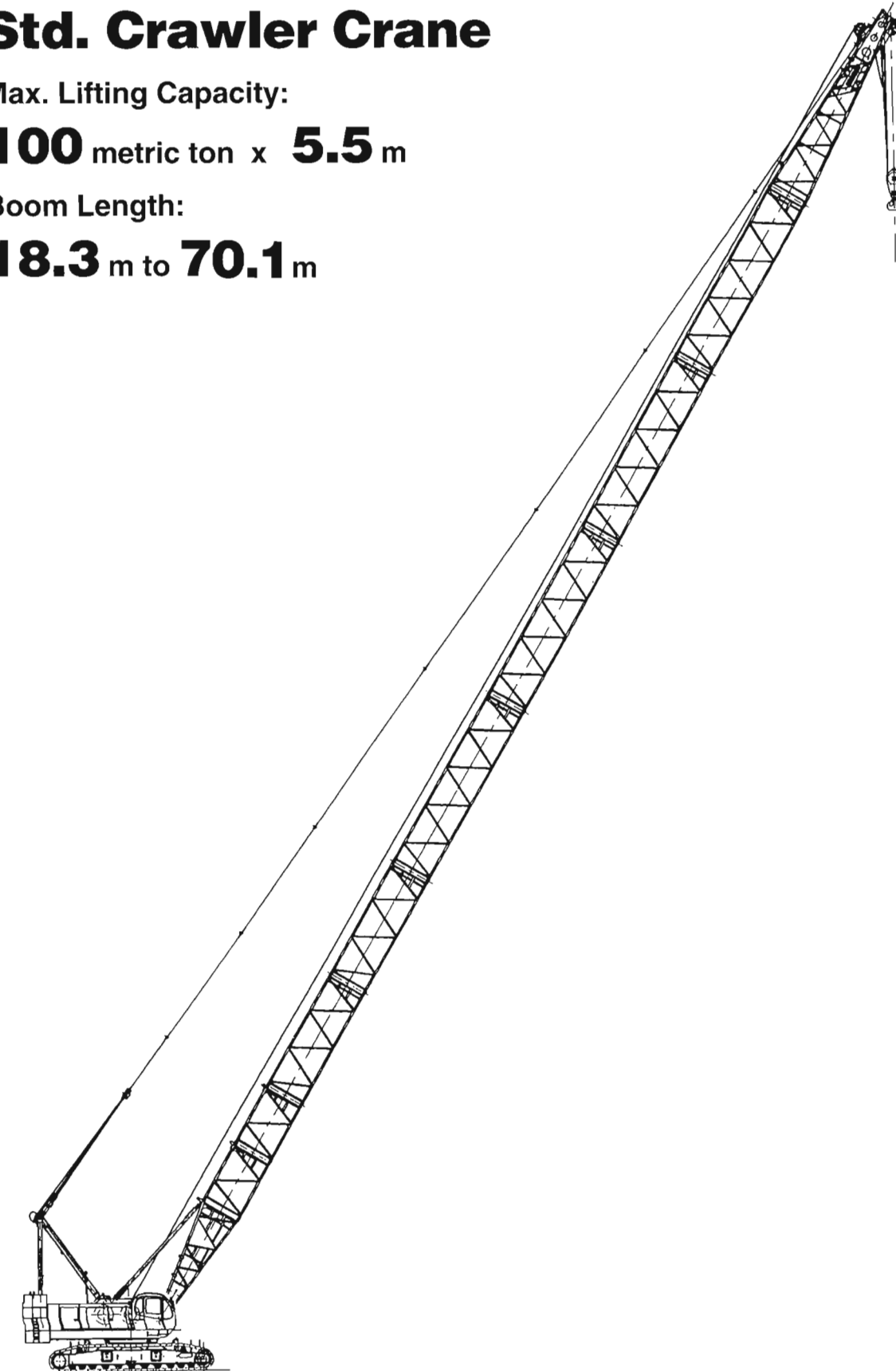
Std. Crawler Crane

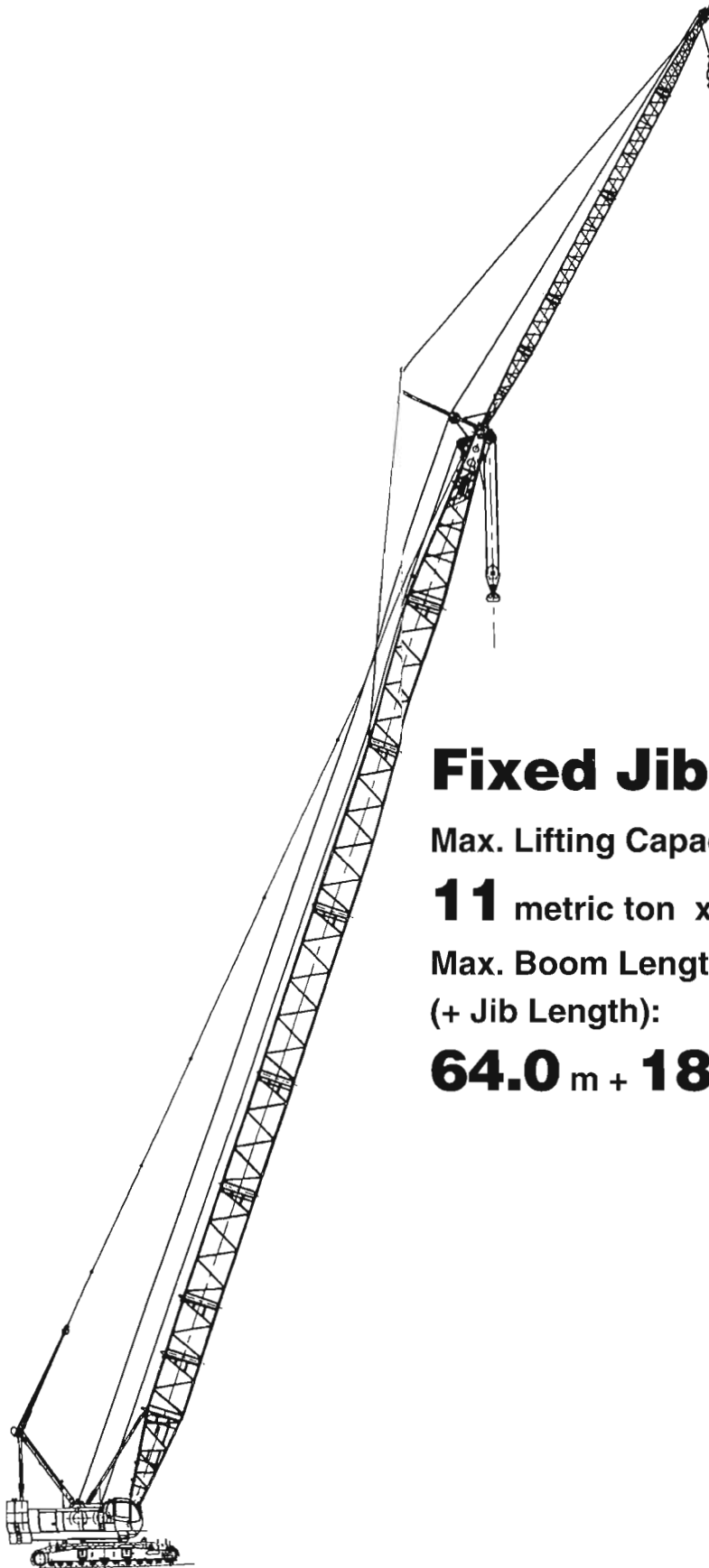
Max. Lifting Capacity:

100 metric ton x **5.5** m

Boom Length:

18.3 m to **70.1** m





Fixed Jib

Max. Lifting Capacity:

11 metric ton x **12.5** m

Max. Boom Length

(+ Jib Length):

64.0 m + **18.3** m/

Specifications

Upper machinery



Power plant

Model Mitsubishi 6D22-T
Type Water-cooled, direct fuel injection,
 with turbocharger

No. of cylinder 6

Bore and stroke 130 mm x 140 mm

Displacement 11.149 liters

Rated power 184 kW (250 PS) at 2,000 min⁻¹
 (JIS D1005)

Max. torque 1.03kN•m (105 kg-m) at 1,400 min⁻¹
 (JIS D1005)

Cooling system Liquid, recirculating bypass

Starter 24 V, 5.5 kW

Generator 24 V, 80 A

Cycles 4

Radiator Vertical tube and fin type core,
 thermostatically controlled

Air cleaner..... Dry type with replaceable paper element

Fuel tank capacity..... 400 liters

Batteries Two 12V, 150 A-hr capacity batteries,
 series connected

Fuel consumption (at 1,400 min⁻¹) 211 g/kW•h
 (155 g/PS•h)

Filtration Full flow and by-pass type with
 replaceable paper element

Electrical system All wiring corded for easy servicing,
 individual fused branch circuits.



Hydraulic system

Pumps: All five pumps are driven by heavy-duty pump drive. Twin variable displacement pumps and one displacement pump are used. One of twin variable displacement pumps is used in the left propel circuit, boom hoist circuit, and hook hoist circuit. Another is used in the right propel circuit and hook hoist circuit, and can accommodate an optional third hoist circuit. The one variable displacement pump is used in the swing circuit. In addition, one of two gear pumps are used in the control system and auxiliary equipment. One of these serves the clutch and brakes.

Control: Full-flow hydraulic control system for infinitely variable pressure to front and rear drums, and boom hoist. Controls respond instantly to the touch, delivering smooth function operation. Pumped fluid is filtered before returning to pump.

Pressure:

Load hoist, boom hoist

and propel system 30.9 Mpa (315 kg/cm²)

Swing system 27.5 MPa (280 kg/cm²)

Control system 6.37 MPa (65 kg/cm²)

Reservoir capacity..... 325 liters

Cooling: Oil-to-air heat exchanger

Filtration: Full flow filters with replaceable
 paper elements



Boom hoisting system

Powered by a hydraulic axial piston motor through a planetary reducer.

Brake: A spring-set, hydraulically released multiple-disc brake mounted on the boom hoist motor and operated through a control valve. Safety pawl

(external ratchet) are fitted for locking the drum.

Drum: Single drum, grooved for 20 mm dia. wire rope.

Line speed: Single line on first drum layer

Hoisting 1.5 to 45 m/min

Lowering 1.5 to 45 m/min



Load hoist system

Tandem drums powered by two hydraulic axial piston motors, through planetary reducers.

Clutches: Internally expanding band
 clutches. 950 mm dia. x 125 mm wide

Brakes: Brake valves and externally contracting, spring set, hydraulically released band brakes, with positive and negative actuation. 1,150 mm dia. x 150 mm. Safety pawls (external ratchet) for locking drums. Both positive and negative brake systems are available. Air cooling fins on brake drum.

Drums: (front and rear): 588 mm P.C.D. x 727 mm wide drums, each grooved for 26 mm wire rope. Rope capacity of 275 m working length and 410 m storage length.

Line speed: Single line on the first drum layer
 (Front drum)

Hoisting 100 to 60/50 to 30 m/min

Lowering 100 to 60/50 to 30 m/min
 (Rear drum)

Hoisting and lowering 3 to 100 m/min



Swing system

Swing unit: Powered by hydraulic axial motor driving spur gears through a planetary reducer, the swing system provides 360°

rotation.

Swing speed 2.5 rpm

Swing brake: A spring-set, hydraulically released multiple-disc brake mounted on swing motor.

Swing circle: Single-row ball bearing with an internal, integral cut swing gear.

Swing lock: Four-position pin-in-hole lock (manually engaged)

Swing brake mode:

Swing neutral-free mode..... Brake activated when swing lever is engaged in reverse direction.

Swing neutral-brake mode..... Brake activated when swing lever is in neutral position.



Operator's cab

Totally enclosed, full-vision cab fitted with safety glass and a sliding front window. A fully adjustable, high-backed seat with a head rest and arm rests permits operators to set ideal working position. A signal horn, cigarette lighter, windshield wipers, washers, and floor mat are standard features.



Controls

In front of the operator are foot pedals for front and rear drum brakes. At the operator's right are console-mounted adjustable short levers for front and rear drum controls, boom hoist control lever and positive/negative brake select switches for front and rear drum brakes. Beside the operator's seat on the right are two short levers for propel control. At the operator's left are: a console-

Lifting Capacities

7100

Notes:

- Operating radius is the horizontal distance from the centerline of rotation to a vertical line through the centerline of gravity of the load.
- Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, winds, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
- Capacities do not exceed 75% of minimum tipping loads. Some of the rated crane loads are based on the structural strength, and overload could damage the boom, jib and frame, etc. without tipping.
- Areas on rated crane load table where no rating are shown, operation is not intended or approved.
- The loads can be lifted actually is obtained by deducting weight of hook block, slings and all other load handling accessories from the rated crane load.
- For arrangements of the boom, jib and guy lines and reevings of the boom hoist rope, strictly observe the instruction of the operator's manual.
- Gantry must be in fully raised position for all operations.

8. Max. hoisting load

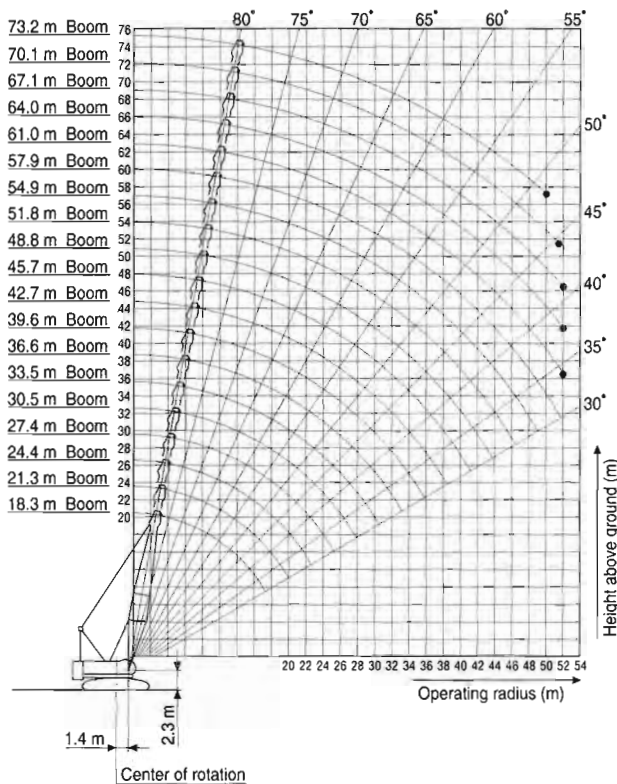
No. of parts of line	1	2	3	4	5
Max. load (metric ton)	11	20	30	40	50
No. of parts of line	6	7	8	9	10
Max. load (metric ton)	60	70	80	90	100

- The total loads that can be lifted over a jib is limited by rated jib loads. The total load that can be lifted over an auxiliary sheave is limited by rated aux. sheave load. Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
- Boom lengths for jib mounting are 39.6 m (130') to 64.0 m (210').
- Boom lengths for aux. sheave mounting are 18.3 m (60') to 70.1 m (230').
- When erecting or lowering the boom and/or jib at the following combinations, the pillow plate must be used under the front of crawler.

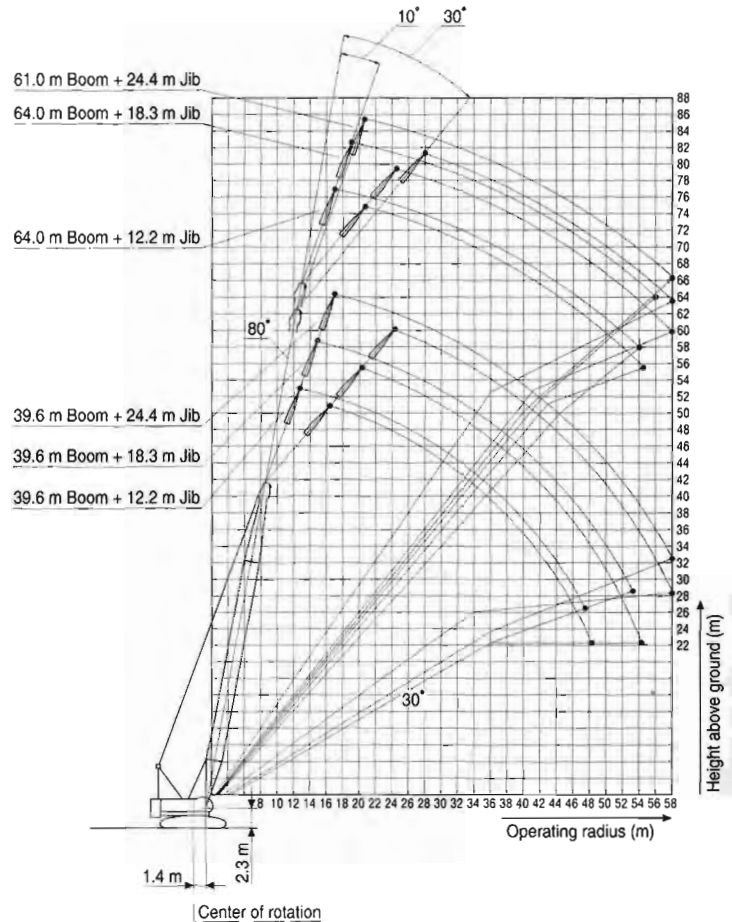
Boom length (m)	Jib length (m)
73.2 m (240')	-
64.0 m (209')	12.2 m (40') or 18.3 m (60')
61.0 m (200')	24.4 m (80')

- Insert boom with lug is required for jib mounting.

Working Ranges



Fixed Jib Working Ranges



Boom Lifting Capacities

7100

Unit: metric ton

Boom rated loads in metric tons for 360° working area

Crawlers fully extended

Operating radius (m)	Boom length m (ft)															Operating radius (m)
	18.3 (60)	21.3 (70)	24.4 (80)	27.4 (90)	30.5 (100)	33.5 (110)	36.6 (120)	39.6 (130)	42.7 (140)	45.7 (150)	48.8 (160)	51.8 (170)	54.9 (180)	57.9 (190)		
5.1	100.0															5.1
5.5	100.0	90.0/5.6														5.5
6.0	91.6	90.0	80.0/6.1	70.0/6.6												6.0
7.0	78.7	77.9	76.7	70.0	60.0/7.2	56.7/7.7										7.0
8.0	65.3	64.6	64.9	64.0	60.0	56.0	50.0/8.2	46.1/8.7								8.0
9.0	54.7	54.6	54.4	54.3	54.2	53.7	50.0	45.7	40.0/9.3	40.0/9.8						9.0
10.0	47.0	46.8	46.7	46.6	46.4	46.3	46.3	44.3	40.0	40.0	30.0/10.3	30.0/10.9	28.4/11.9	26.0/11.9		10.0
12.0	36.5	36.3	36.1	36.1	35.9	35.7	35.7	35.5	35.4	35.3	30.0	30.0	27.9	25.9		12.0
14.0	29.8	29.5	29.3	29.2	29.0	28.9	28.8	28.6	28.5	28.4	28.3	28.2	26.6	25.0		14.0
16.0	24.1	24.8	24.6	24.5	24.3	24.1	24.0	23.8	23.7	23.6	23.5	23.3	23.2	23.0		16.0
18.0	17.5/19.8	21.3	21.0	20.9	20.7	20.6	20.5	20.3	20.2	20.0	19.9	19.8	19.6	19.4		18.0
20.0		17.2	18.4	18.2	18.0	17.8	17.8	17.5	17.4	17.3	17.2	17.0	16.9	16.6		20.0
22.0		16.9/20.1	15.8	16.1	15.9	15.7	15.6	15.4	15.3	15.1	15.0	14.8	14.7	14.5		22.0
24.0			14.6/22.7	14.4	14.1	14.0	13.9	13.6	13.5	13.4	13.2	13.1	12.9	12.7		24.0
26.0				12.7/25.4	12.7	12.5	12.4	12.2	12.1	11.9	11.8	11.6	11.4	11.2		26.0
28.0					11.0/28.0	11.3	11.2	10.9	10.8	10.7	10.5	10.4	10.2	10.0		28.0
30.0						10.2	10.2	9.9	9.8	9.6	9.5	9.3	9.2	8.9		30.0
32.0						9.6/30.7	9.3	9.0	8.9	8.7	8.6	8.4	8.3	8.0		32.0
34.0							8.5/33.3	8.3	8.1	8.0	7.8	7.6	7.5	7.2		34.0
36.0								7.3/35.9	7.4	7.3	7.1	6.9	6.8	6.5		36.0
38.0									6.7	6.7	6.4	6.3	6.2	5.9		38.0
40.0									6.4/38.6	6.1	6.0	5.8	5.6	5.4		40.0
42.0										5.5/41.2	5.4	5.3	5.1	4.9		42.0
44.0											4.7/43.9	4.8	4.7	4.4		44.0
46.0												4.1	4.3	4.0		46.0
48.0												3.9/46.5	3.6	3.5		48.0
50.0													3.3/49.1	3.1		50.0
52.0														2.5/51.8		52.0

Note: Ratings shown in are determined by the strength the boom or other structural components.

Boom Arrangement

Operating radius (m)	Boom length m (ft)				
	51.0 (200')	54.0 (210')	67.1 (220')	70.1 (230')	73.2 (240')
5.1					
5.5					
6.0					
7.0					
8.0					
9.0					
10.0					
12.0	20.0/12.4	20.0/13.0	19.2/13.5		
14.0	20.0	20.0	19.0	17.6/14.1	15.8/14.6
16.0	20.0	20.0	18.1	16.8	15.2
18.0	19.4	19.2	17.3	16.0	14.5
20.0	16.6	16.5	16.3	15.3	13.8
22.0	14.4	14.3	14.1	13.9	12.9
24.0	12.6	12.5	12.3	12.1	11.9
26.0	11.2	11.0	10.8	10.6	10.4
28.0	9.9	9.8	9.6	9.4	9.2
30.0	8.9	8.7	8.5	8.3	8.1
32.0	8.0	7.8	7.6	7.4	7.2
34.0	7.2	7.0	6.8	6.6	6.4
36.0	6.5	6.3	6.1	5.9	5.7
38.0	5.9	5.7	5.5	5.3	5.0
40.0	5.3	5.1	4.9	4.6	4.3
42.0	4.8	4.6	4.3	4.1	3.8
44.0	4.3	4.1	3.8	3.5	3.2
46.0	3.8	3.6	3.0	3.1	2.8
48.0	3.4	3.2	2.9	2.6	2.3
50.0	3.0	2.8	2.5	2.3	2.0
52.0	2.6	2.4	2.1	2.0/51.5	

Boom length m (ft)	Boom arrangement
18.3 (60)	Base-A-Tip
21.3 (70)	Base-A-A'-Tip
24.4 (80)	Base-A-A'-A'-Tip, Base-A-B-Tip
27.4 (90)	Base-A-A'-B-Tip, Base-A-C-Tip
30.5 (100)	Base-A-A'-A'-B-Tip, Base-A-B-B-Tip, Base-A-A'-C-Tip
33.5 (110)	Base-A-A'-B-B-Tip, Base-A-A'-A'-C-Tip, Base-A-B-C-Tip
36.6 (120)	Base-A-A'-B-C-Tip, Base-A-C-C-Tip
39.6 (130)	Base-A-A'-A'-B-C-Tip, Base-A-B-B-C-Tip, Base-A-A'-C-C-Tip
42.7 (140)	Base-A-A'-B-B-C-Tip, Base-A-B-C-C-Tip, Base-A-A'-A'-C-C-Tip
45.7 (150)	Base-A-A'-B-C-C-Tip, Base-A-C-C-C-Tip
48.8 (160)	Base-A-A'-A'-B-C-C-Tip, Base-A-B-B-C-C-Tip, Base-A-A'-C-C-C-Tip
51.8 (170)	Base-A-A'-B-B-C-C-Tip, Base-A-B-C-C-C-Tip, Base-A-A'-A'-C-C-C-Tip
54.9 (180)	Base-A-A'-B-C-C-C-Tip, Base-A-C-C-C-C-Tip
57.9 (190)	Base-A-A'-A'-B-C-C-C-Tip, Base-A-B-B-C-C-C-Tip, Base-A-A'-C-C-C-C-Tip
61.0 (200)	Base-A-A'-B-B-C-C-C-Tip, Base-A-A'-A'-C-C-C-C-Tip, Base-A-B'-C-C-C-C-Tip
64.0 (210)	Base-A-A'-B-C-C-C-C-Tip
67.1 (220)	Base-A-A'-A'-B-C-C-C-C-Tip, Base-A-B-B-C-C-C-C-Tip
70.1 (230)	Base-A-A'-A'-B-B-C-C-C-C-Tip
73.2 (240)	Base-A-A'-A'-B-B-C-C-C-C-Tip

Base = 6.00 m (20'), Tip = 9.25 m (30')
 Inserts: A = 3.0 m (10')—Basic insert boom, A' = 3.0 m (10'), B = 6.1 m (20'),
 C = 9.1 m (30'), C' = 9.1 m (30') with lug

Fixed Jib Lifting Capacities

Unit: metric ton

Jib rated loads in metric tons for 360° working area (Jib offset angle 10°/without main hook)

Crawlers fully extended

Boom length m(ft)	39.6(130)			42.7(140)			45.7(150)			48.8(160)			51.8(170)			Boom length m(ft)
Operating radius (m)	Jib length m (ft)			Jib length m (ft)			Jib length m (ft)			Jib length m (ft)			Jib length m (ft)			Operating radius (m)
	12.2 (40)	18.3 (60)	24.4 (80)	12.2 (40)	18.3 (60)	24.4 (80)	12.2 (40)	18.3 (60)	24.4 (80)	12.2 (40)	18.3 (60)	24.4 (80)	12.2 (40)	18.3 (60)	24.4 (80)	
12.0	11.0/12.5			11.0/13.1			11.0/13.6									12.0
14.0	11.0	10.0/14.6		11.0	10.0/15.1		11.0	10.0/15.7		11.0/14.1			11.0/14.7			14.0
16.0	11.0	10.0	6.5/16.7	11.0	10.0	6.5/17.2	11.0	10.0	6.5/17.7	11.0	10.0/16.2		11.0	10.0/16.7		16.0
18.0	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5/18.3	11.0	10.0	6.5/18.8	18.0
20.0	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	20.0
22.0	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	22.0
24.0	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	24.0
26.0	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	26.0
28.0	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	28.0
30.0	10.7	10.0	6.5	10.5	10.0	6.5	10.4	10.0	6.5	10.1	10.0	6.5	10.0	10.0	6.5	30.0
32.0	9.7	10.0	6.5	9.5	9.8	6.5	9.4	9.6	6.5	9.1	9.4	6.5	9.0	9.3	6.5	32.0
34.0	8.8	9.1	6.5	8.7	8.9	6.5	8.5	8.8	6.5	8.3	8.6	6.5	8.1	8.4	6.5	34.0
36.0	8.1	8.3	6.5	7.9	8.2	6.5	7.7	8.0	6.5	7.5	7.8	6.5	7.4	7.6	6.5	36.0
38.0	7.4	7.6	6.5	7.2	7.5	6.5	7.1	7.3	6.5	6.8	7.1	6.5	6.7	7.0	6.5	38.0
40.0	6.8	7.0	6.4	6.6	6.9	6.5	6.5	6.7	6.5	6.2	6.5	6.5	6.1	6.3	6.5	40.0
42.0	6.3	6.5	6.3	6.1	6.3	6.3	5.9	6.2	6.3	5.7	5.9	6.1	5.5	5.8	6.0	42.0
44.0	5.8	6.0	6.2	5.6	5.8	6.0	5.5	5.7	5.9	5.2	5.5	5.6	5.1	5.3	5.5	44.0
46.0	5.4	5.6	5.7	5.2	5.4	5.6	5.0	5.2	5.4	4.8	5.0	5.2	4.6	4.9	5.0	46.0
48.0	5.1/47.4	5.2	5.3	4.8	5.0	5.2	4.6	4.8	5.0	4.4	4.6	4.8	4.2	4.5	4.6	48.0
50.0		4.8	5.0	4.4	4.6	4.8	4.3	4.5	4.6	4.0	4.2	4.4	3.7	4.0	4.3	50.0
52.0		4.5	4.6	4.4/50.1	4.3	4.5	3.9	4.1	4.3	3.6	3.8	4.1	3.4	3.6	3.9	52.0
54.0		4.3/53.2	4.3		4.0	4.1	3.8/52.7	3.8	4.0	3.2	3.1	3.4	3.0	3.3	3.5	54.0
56.0			4.0		3.7/55.8	3.8		3.5	3.7	3.0/55.4	3.1	3.4	2.7	2.9	3.2	56.0
58.0			3.7			3.6		3.2	3.4		2.8	3.1	2.4	2.6	2.8	58.0

Boom length m(ft)	54.9(180)			57.9(190)			61.0(200)			64.0(210)		Boom length m(ft)
Operating radius (m)	Jib length m (ft)			Jib length m (ft)			Jib length m (ft)			Jib length m (ft)		Operating radius (m)
	12.2 (40)	18.3 (60)	24.4 (80)	12.2 (40)	18.3 (60)	24.4 (80)	12.2 (40)	18.3 (60)	24.4 (80)	12.2 (40)	18.3 (60)	
12.0												12.0
14.0	11.0/15.2			11.0/15.7								14.0
16.0	11.0	10.0/17.2		11.0	10.0/17.8		11.0/16.2			11.0/16.8		16.0
18.0	11.0	10.0	6.5/19.3	11.0	10.0	6.5/19.8	11.0	10.0/18.3		11.0	10.0/18.8	18.0
20.0	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5/20.4	11.0	10.0	20.0
22.0	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	22.0
24.0	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	24.0
26.0	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	6.5	11.0	10.0	26.0
28.0	11.0	10.0	6.5	10.7	10.0	6.5	10.7	10.0	6.5	10.5	10.0	28.0
30.0	9.8	10.0	6.5	9.6	9.9	6.5	9.5	9.8	6.5	9.3	9.7	30.0
32.0	8.8	9.1	6.5	8.6	8.9	6.5	8.5	8.8	6.5	8.3	8.7	32.0
34.0	8.0	8.3	6.5	7.7	8.0	6.5	7.6	7.9	6.5	7.5	7.8	34.0
36.0	7.2	7.5	6.5	6.9	7.2	6.5	6.8	7.1	6.5	6.7	7.0	36.0
38.0	6.5	6.8	6.5	6.3	6.5	6.5	6.2	6.5	6.5	6.0	6.3	38.0
40.0	5.9	6.2	6.4	5.7	5.9	6.2	5.6	5.8	6.1	5.4	5.7	40.0
42.0	5.4	5.6	5.8	5.1	5.4	5.6	5.0	5.3	5.5	4.8	5.1	42.0
44.0	4.9	5.1	5.3	4.6	4.9	5.1	4.4	4.8	5.0	4.2	4.6	44.0
46.0	4.4	4.7	4.9	4.1	4.4	4.7	3.9	4.3	4.5	3.7	4.0	46.0
48.0	3.9	4.3	4.5	3.6	3.9	4.2	3.4	3.8	4.0	3.2	3.6	48.0
50.0	3.5	3.8	4.1	3.2	3.5	3.7	3.0	3.3	3.6	2.8	3.1	50.0
52.0	3.1	3.4	3.7	2.8	3.1	3.3	2.6	2.9	3.2	2.4	2.7	52.0
54.0	2.8	3.1	3.3	2.4	2.7	3.0	2.3	2.6	2.8	2.0	2.4	54.0
56.0	2.4	2.7	3.0	2.1	2.4	2.6	2.0/55.5	2.2	2.5		2.0	56.0
58.0	2.1	2.4	2.6	2.0/56.6	2.1	2.3		2.0/57.3	2.1			58.0

Note: Ratings shown in are determined by the strength the boom or other structural components.

Unit: metric ton

Jib rated loads in metric tons for 360° working area (Jib offset angle 30°/without main hook)

Crawlers fully extended

Boom length m(ft)	39.6(130)			42.7(140)			45.7(150)			48.8(160)			51.8(170)			Boom length m(ft)	
	Jib length m (ft)	12.2 (40)	18.3 (60)	24.4 (80)	12.2 (40)	18.3 (60)	24.4 (80)	12.2 (40)	18.3 (60)	24.4 (80)	12.2 (40)	18.3 (60)	24.4 (80)	12.2 (40)	18.3 (60)		24.4 (80)
16.0	8.5/16.2			8.5/16.7			8.5/17.2			8.5/17.8							16.0
18.0	8.5			8.5			8.5			8.5			8.5/18.3				18.0
20.0	8.5	6.5		8.5	6.5/20.6		8.5	6.5/21.1		8.5	6.5/21.6		8.5				20.0
22.0	8.5	6.5	4.5/23.9	8.5	6.5		8.5	6.5		8.5	6.5		8.5	6.5/22.2			22.0
24.0	8.5	6.5	4.5	8.5	6.5	4.5/24.5	8.5	6.5	4.5/25.0	8.5	6.5	4.5/25.5	8.5	6.5			24.0
26.0	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5		26.0
28.0	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5		28.0
30.0	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5		30.0
32.0	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5		32.0
34.0	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5		34.0
36.0	8.3	6.5	4.5	8.2	6.5	4.5	8.0	6.5	4.5	7.8	6.5	4.5	7.7	6.5	4.5		36.0
38.0	7.6	6.5	4.5	7.5	6.5	4.5	7.3	6.5	4.5	7.1	6.5	4.5	7.0	6.5	4.5		38.0
40.0	7.0	6.5	4.5	6.8	6.5	4.5	6.7	6.5	4.5	6.5	6.5	4.5	6.4	6.5	4.5		40.0
42.0	6.4	6.5	4.5	6.3	6.5	4.5	6.1	6.5	4.5	5.9	6.3	4.5	5.8	6.5	4.5		42.0
44.0	5.9	6.2	4.5	5.8	6.1	4.5	5.6	6.0	4.5	5.4	5.8	4.5	5.3	5.7	4.5		44.0
46.0	5.4	5.8	4.5	5.3	5.6	4.5	5.2	5.5	4.5	4.9	5.3	4.5	4.8	5.2	4.5		46.0
48.0	5.0	5.3	4.5	4.9	5.2	4.5	4.7	5.1	4.5	4.5	4.9	4.5	4.4	4.7	4.5		48.0
50.0	5.0/48.2	4.9	4.5	4.5	4.8	4.5	4.3	4.7	4.5	4.1	4.5	4.5	3.9	4.3	4.5		50.0
52.0		4.6	4.5	4.3/50.9	4.4	4.5	4.0	4.3	4.5	3.7	4.1	4.4	3.5	4.0	4.3		52.0
54.0		4.2	4.4		4.1	4.4	3.7/53.5	4.0	4.2	3.3	3.7	4.0	3.1	3.6	3.9		54.0
56.0		4.2/54.3	4.2		3.8	4.0		3.6	3.9	2.9	3.4	3.7	2.8	3.2	3.6		56.0
58.0			3.9		3.6/57.0	3.7		3.3	3.6	2.9/56.2	3.0	3.4	2.4	2.8	3.2		58.0

Boom length m(ft)	54.9(180)			57.9(190)			61.0(200)			64.0(210)			Boom length m(ft)
	Jib length m (ft)	12.2 (40)	18.3 (60)	24.4 (80)	12.2 (40)	18.3 (60)	24.4 (80)	12.2 (40)	18.3 (60)	24.4 (80)	12.2 (40)	18.3 (60)	
16.0													16.0
18.0	8.5/18.8			8.5/19.4			8.5/19.9						18.0
20.0	8.5			8.5			8.5			8.5/20.4			20.0
22.0	8.5	6.5/22.7		8.5	6.5/23.2		8.5	6.5/23.8		8.5			22.0
24.0	8.5	6.5		8.5	6.5		8.5	6.5		8.5	6.5/24.3		24.0
26.0	8.5	6.5	4.5/26.5	8.5	6.5	4.5/27.1	8.5	6.5	4.5/27.6	8.5	6.5		26.0
28.0	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5		28.0
30.0	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5		30.0
32.0	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5	4.5	8.5	6.5		32.0
34.0	8.4	6.5	4.5	8.1	6.5	4.5	8.1	6.5	4.5	7.9	6.5		34.0
36.0	7.6	6.5	4.5	7.3	6.5	4.5	7.3	6.5	4.5	7.1	6.5		36.0
38.0	6.9	6.5	4.5	6.6	6.5	4.5	6.5	6.5	4.5	6.4	6.5		38.0
40.0	6.2	6.5	4.5	6.0	6.4	4.5	5.9	6.4	4.5	5.8	6.3		40.0
42.0	5.7	6.1	4.5	5.4	5.9	4.5	5.3	5.8	4.5	5.2	5.7		42.0
44.0	5.1	5.5	4.5	4.9	5.3	4.5	4.8	5.2	4.5	4.6	5.1		44.0
46.0	4.7	5.1	4.5	4.4	4.8	4.5	4.3	4.8	4.5	4.1	4.6		46.0
48.0	4.2	4.6	4.5	3.9	4.4	4.5	3.8	4.3	4.5	3.6	4.1		48.0
50.0	3.7	4.2	4.5	3.4	3.9	4.3	3.3	3.8	4.2	3.1	3.6		50.0
52.0	3.3	3.8	4.2	3.0	3.5	3.9	2.9	3.4	3.8	2.7	3.2		52.0
54.0	2.9	3.4	3.8	2.6	3.1	3.5	2.5	3.0	3.4	2.3	2.8		54.0
56.0	2.6	3.0	3.4	2.2	2.7	3.1	2.1	2.6	3.0	2.0/54.5	2.4		56.0
58.0	2.2	2.7	3.0	2.0/57.3	2.3	2.7	2.0/56.6	2.2	2.6		2.1		58.0

Note: Ratings shown in are determined by the strength the boom or other structural components.

Jib Arrangement

Jib length m (ft)	Jib arrangement
12.2 (40)	Base-A-Tip
18.3 (60)	Base-A-B-Tip
24.4 (80)	Base-A-B-B-Tip

Base = 4.6 m (15'), Tip = 4.6 m (15')
 Inserts: A = 3.0 m (10') B = 6.1 m (20')

Note:

- Jib may be used with main boom lengths from 39.6 m (130') to 64.0 m (210').
- An insert boom with lugs is required for jib attachment.
- Actual hoistable loads using jib can be calculated by deducting the total weight of jib hook and slings and all other load handling accessories from jib ratings.