

Preliminary

Hydraulic Crawler Crane

CK

1100G

Model : CK1100G

Max. Lifting Capacity : 220,000 lbs x 11.0 ft

Max. Crane Boom Length : 200 ft

Max. Fixed Jib Combination : 190 ft + 60 ft



KOBELCO



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SPECIFICATIONS



Power Plant

Model: HINO J08E-UV

Type: 4 cycle, water-cooled, vertical in-line 6, direct injection, turbo-charger, intercooler

Complies with US EPA Tier Interim Tier IV and NRMM (Europe) Stage IIIB

Displacement: 469 cu in (7.684 liters)

Rated Power: 285 HP/2,100 rpm (213 kW/2,100 min⁻¹)

Max. torque: 750 lbf-ft / 1,600 rpm (1,017 N-m/1,600 min⁻¹)

Cooling system: Water-cooled

Starter: 24V-5kW

Radiator: Corrugated type core, thermostatically controlled

Air cleaner: Dry type with replaceable paper element

Throttle: Twist grip type hand throttle, electrically actuated

Fuel filter: Replaceable paper element

Batteries: Two 12V x 136 Ah/5HR capacity batteries, series connected

Fuel tank capacity: 106 US gal. (400 liters)



Hydraulic System

Main pumps: 3 variable displacement piston pumps

Control: Full-flow hydraulic control system for infinitely variable pressure to all winches, propel and swing. Controls respond instantly to the touch, delivering smooth function operation.

Cooling: Oil-to-air heat exchanger (plate-fin type)

Filtration: Full-flow and bypass type with replaceable element

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

Max. relief valve pressure:

Load hoist, boom hoist and propel system:

4,626 psi (31.9 MPa)

Swing system: 3,989 psi (27.5 MPa)

Control system: 783 psi (5.4 MPa)

Hydraulic tank capacity: 116.2 US gal. (440 liters)



Boom Hoisting System

Powered by a hydraulic motor through a planetary reducer.

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

Drum lock: External ratchet for locking drum

Drum: Single drum, grooved for 5/8 inch (16 mm) dia. wire rope

Line speed: Single line on first drum layer

Hoisting/Lowering: 230 to 6.6 ft/min (70 to 2 m/min)

Diameter of wire rope

Main winch: 1-1/32 in. x 771 ft. (26 mm x 240 m)

Aux. winch: 1-1/32 in. x 525 ft. (26 mm x 165 m)

Third winch: 7/8 in. x 476 ft. (22 mm x 145 m)

Boom hoisting/lowering: 5/8 in. x 492 ft (16 mm x 150 m)

Boom guy line: 1-3/16 in. (30 mm)

Boom backstops: Required for all boom length



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)

Drum lock: External ratchet for locking drum

Drums:

Front drums:

2 ft 3/16 inch (614 mm) P.C.D x 2 ft 9/32 inch (617 mm) Lg., grooved for 1-1/32 inch (26 mm) wire rope. Rope capacity is 771 ft (240 m) working length and 1,181 ft (360 m) storage length.

Rear drums:

2 ft 3/16 inch (614 mm) P.C.D x 2 ft 9/32 inch (617 mm) Lg., grooved for 1-1/32 inch (26 mm) wire rope. Rope capacity is 525 ft (160 m) working length and 1,181 ft (360 m) storage length.

Line speed: Single line on the first layer

Hoisting/Lowering: 394 to 10 ft

Line pull:

Max. line pull (Single line): 46,800 lbs (208 kN)

Rated line pull: 25,200 lbs (112 kN)



Swing System

Swing unit is powered by hydraulic motor driving spur gears through planetary reducers (2 set), the swing system provides 360° rotation.

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

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

Swing lock: Manually, four position lock for transportation

Swing speed: 4.0 rpm (min⁻¹)



Upper Structure

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

Counter weight: 69,000 lbs



Cab & Control

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

Cab fittings:

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

Controls:

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

**Lower Structure**

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

Carbodyweight: 31,700 lbs

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

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

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

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

Shoe (flat): 3 ft wide each crawler

Max. gradeability: 40%

**Weight**

Including upper and lower machine, 69,000 lbs counterweight and 31,700 lbs carbody weight, basic boom (or basic boom + basic jib), hook, and other accessories.

Weight: 198,500 lbs (90.1 t)

Ground pressure: 12.9 psi (101 kPa)

**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	40 ft	200 ft
Fixed Jib	80 ft + 30 ft	190 ft + 60 ft

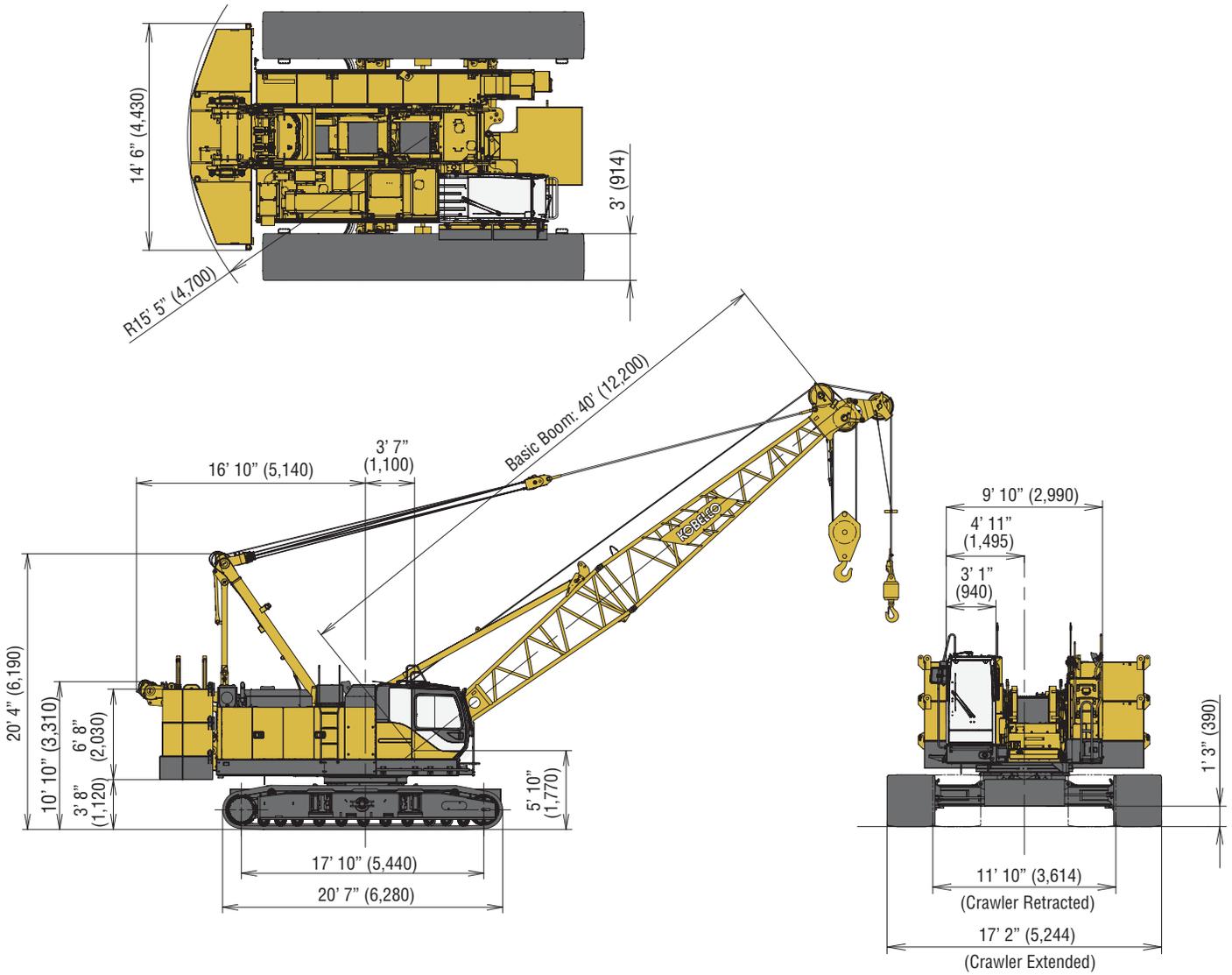
Main Specifications (Model: CK1100G)

Crane Boom	
Max. Lifting Capacity	220,000 lbs
Length	40 ~ 200 ft
Fixed Jib	
Max. Lifting Capacity	24,000 lbs
Max. Length	60 ft
Max. Combination	190 ft + 60 ft
Power Plant	
Model	HINO J08E-UV
Engine Output	285 HP/2,100 rpm
Fuel Tank Capacity	106 US gal. (400 liters)
Main & Aux. Winch	
Max. Line Speed	390 ft/min (120 m/min): 1st layer
Rated Line Pull (single Line)	25,200 lbs (112 kN)
Wire Rope Diameter	1-1/32 in (26 mm)
Brake Type	Spring set hydraulically released (Negative)

Working Speed	
Swing Speed	4.0 rpm (min ⁻¹)
Travel Speed	1.07/0.71 mph
Hydraulic System	
Main pumps	3 variable displacement
Max. Pressure	4,626 psi (31.9 MPa)
Hydraulic Tank Capacity	116.2 US gal. (440 liters)
Weight	
Operating Weight	198,500 lbs (90.1 t)
Ground Pressure	12.9 psi (101 kPa)
Counterweight	69,000 lbs
Transport Weight	95,128 lbs

GENERAL DIMENSIONS

Unit: ft-in (mm)



BOOM AND JIB ARRANGEMENTS

Crane Boom Arrangements

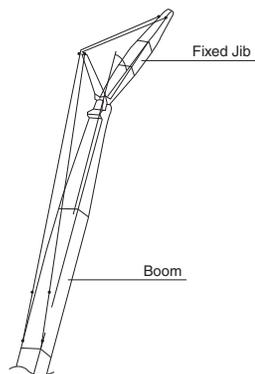
Boom length ft (m)	Boom arrangement
40 (12.2)	
50 (15.2)	
60 (18.3)	※
70 (21.3)	※
80 (24.4)	※
90 (27.4)	※
100 (30.5)	※
110 (33.5)	※
120 (36.6)	※
130 (39.6)	※
140 (42.7)	※

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

Symbol	Boom Length	Remarks
	20.0 ft (6.1 m)	Boom Base
	20.0 ft (6.1 m)	Boom Top
	10.0 ft (3.1 m)	Insert Boom
	20.0 ft (6.1 m)	Insert Boom
	40.0 ft (12.2 m)	Insert Boom
	40.0 ft (12.2 m)	Insert Boom with lug

↗ mark shows the guy line installing position when the fixed jib is used.
 ※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Fixed Jib Arrangements

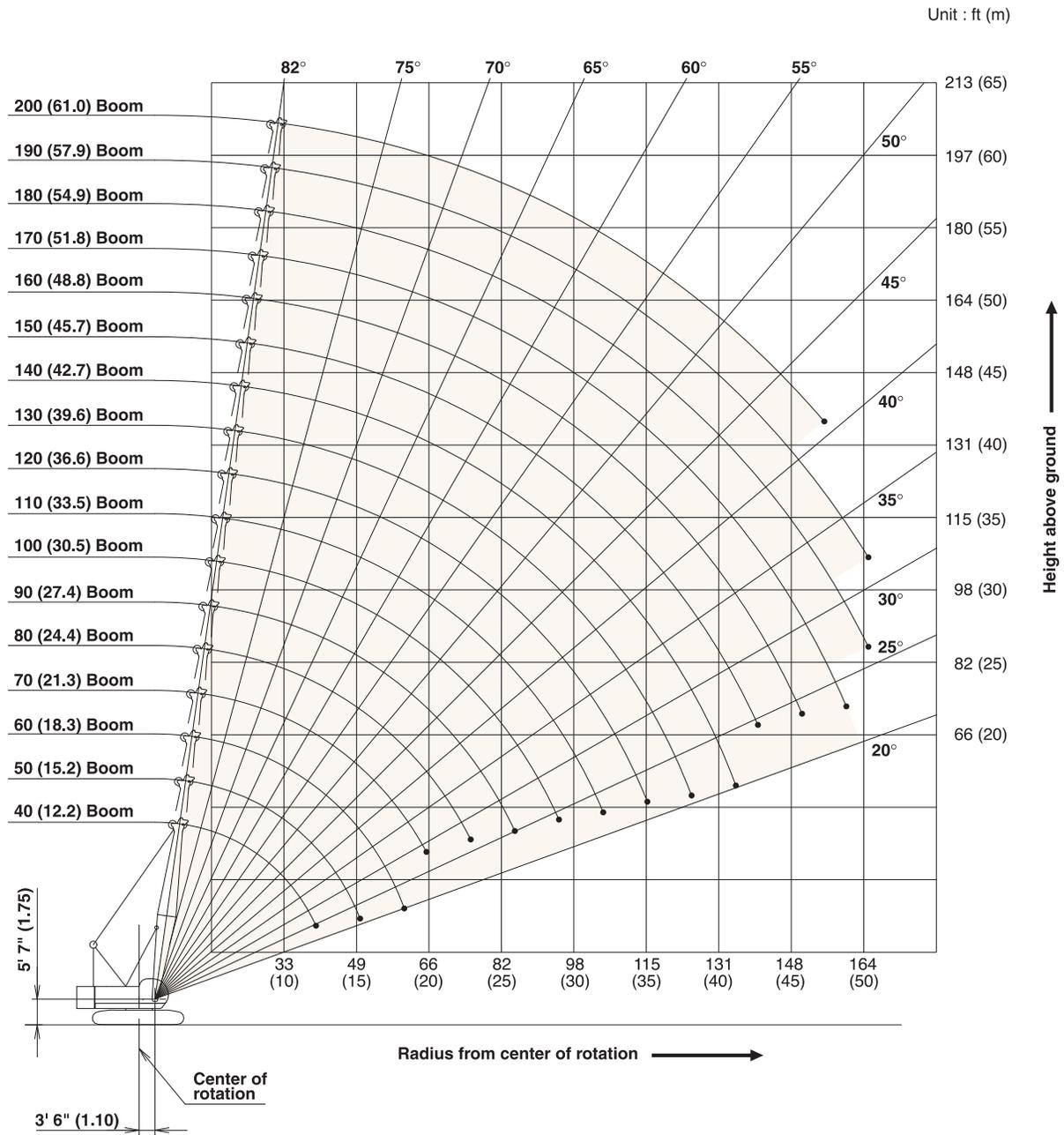


Crane boom length	Jib length ft (m)	Jib arrangement
80 ft (24.4 m) } 190 ft (57.9 m)	30 (9.1)	
	40 (12.2)	
	50 (15.2)	
	60 (18.3)	

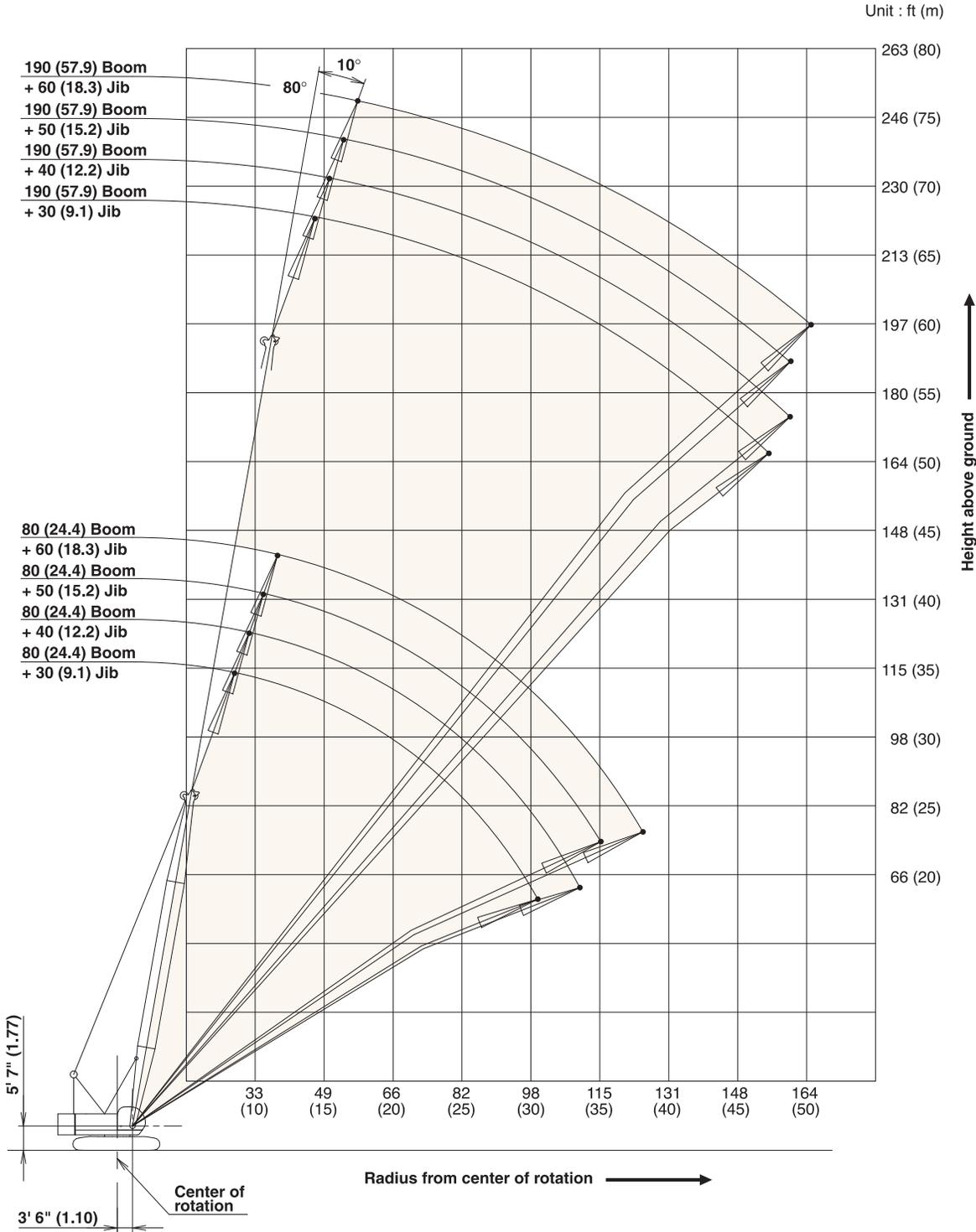
Symbol	Jib Length	Remarks
	15 ft (4.6 m)	Jib Base
	15 ft (4.6 m)	Jib Top
	10 ft (3.0 m)	Insert Jib
	20 ft (6.1 m)	Insert Jib

WORKING RANGES

Main Boom

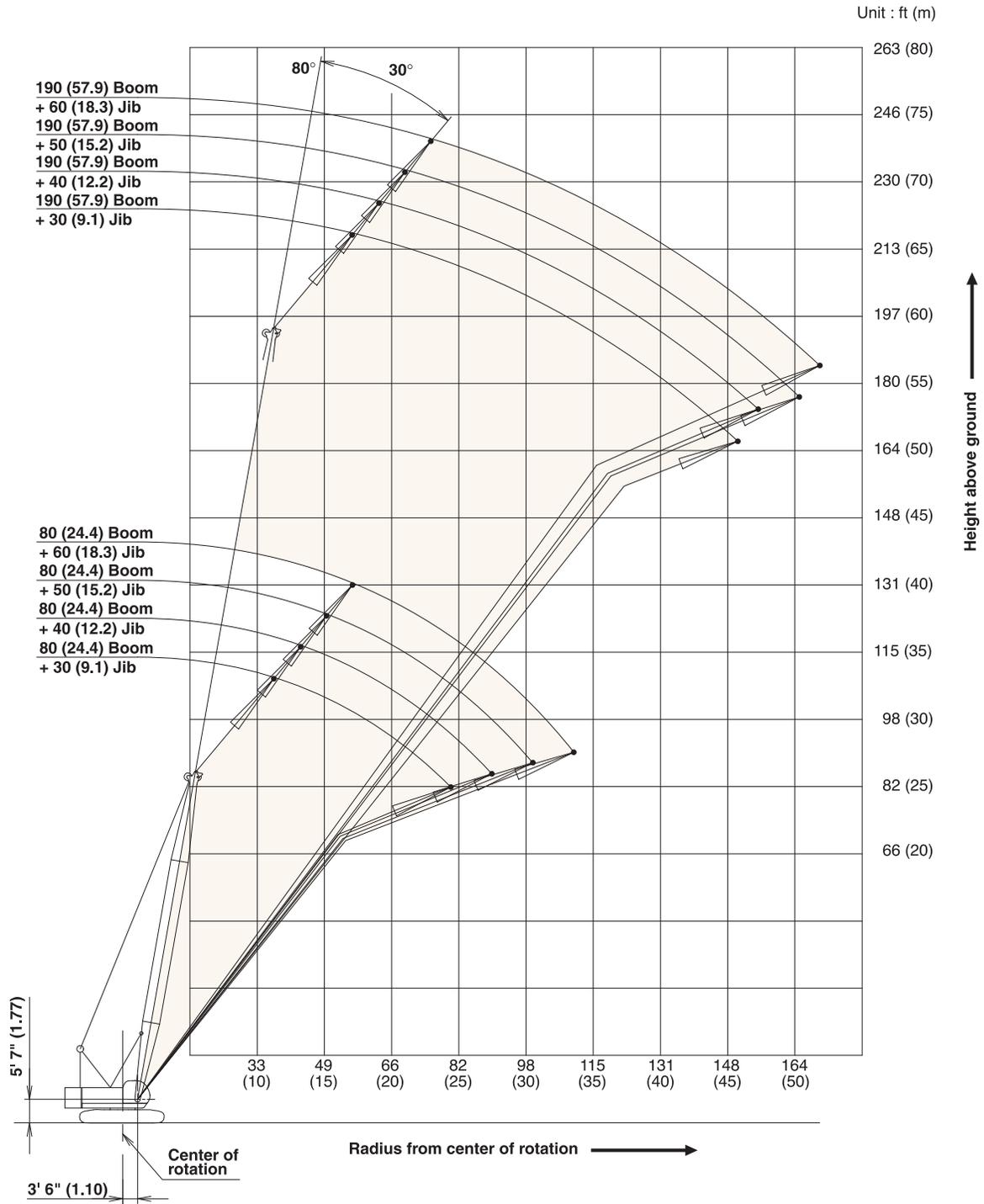


Fixed Jib 10°



WORKING RANGES

Fixed Jib 30°



SUPPLEMENTAL DATA

- Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load 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 rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
- Rated loads do not exceed 75% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
- The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
 - Boom backstops are required for all boom lengths.
 - Gantry must be fully raised position for all operations.
 - Crawlers must be fully extended and be locked in position.
 - The crane must be leveled to within 1% on a firm supporting surface.
- Do not attempt to lift where no ratings are shown as crane may tip or collapse.
- Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine capacity.
- 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.
- When lifting over boom point with jib or auxiliary sheave, rated loads for the boom must be deducted as shown below.

Jib length	Aux.	30'	40'	50'	60'
Deduct (lbs)	420	2,500	3,700	5,100	6,700

- The total load that can be lifted over a jib is limited by rated jib loads.
- Boom lengths for jib mounting are 80 ft (24.4 m) to 190 ft (57.9 m).
- The total load that can be lifted over an auxiliary sheave is the value for 420 lbs deducted from rated load for the boom without auxiliary sheave, but it should not exceed 24,000 lbs.

- Boom lengths that can attach auxiliary sheave are from 40 ft (12.2m) to 190 ft (57.9m).
- The boom should be erected over the front of the crawlers, not laterally. When erecting and lowering the boom at length of 190 ft (57.9m) with jib, the blocks for erection must be placed at the end of the crawlers.
- Least stable position is over the side.
- Maximum hoist load for number of reeving parts of line for hoist rope.

Main Boom Hoist Loads

No. of Parts of Line	1	2	3	4	5
Maximum Loads (lbs)	25,200	50,400	75,600	100,800	126,000
No. of Parts of Line	6	7	8		
Maximum Loads (lbs)	151,200	176,400	220,000		

Jib Hoist Loads

No. of Parts of Line	1
Maximum Loads (lbs)	24,000

Auxiliary Hoist Loads

No. of Parts of Line	1
Maximum Loads (lbs)	24,000

- Lifting capacities listed apply only to the machine as originally manufactured for and supplied by KOBELCO CRANES CO.,LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.
- Designed and rated to comply with ANSI Code B30.5.

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

LIFTING CAPACITY



Crane Boom Lifting Capacity

Unit: lbs

Counterweight: 69,000 lbs, Carbody weight: 31,700 lbs

40' Boom			50' Boom			60' Boom			70' Boom			80' Boom		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
11.0	80.5	220,000 *	12.0	81.2	213,200 *	13.0	81.7	200,400 *	15.0	81.3	151,000 *	16.0	81.6	151,000 *
12.0	79.0	213,300 *	13.0	80.0	200,600 *	14.0	80.7	187,400 *	16.0	80.4	151,000 *	17.0	80.9	149,300 *
13.0	77.5	200,800 *	14.0	78.9	187,800 *	15.0	79.8	175,200 *	17.0	79.6	149,400 *	18.0	80.2	146,500 *
14.0	76.0	188,100 *	15.0	77.7	175,600 *	16.0	78.8	164,800 *	18.0	78.7	146,700 *	19.0	79.5	139,400 *
15.0	74.6	175,900 *	16.0	76.6	165,300 *	17.0	77.8	155,500 *	19.0	77.9	139,800 *	20.0	78.8	131,800
16.0	73.1	165,500 *	17.0	75.4	156,000 *	18.0	76.8	146,900 *	20.0	77.1	132,200	22.0	77.3	115,100
17.0	71.6	156,300 *	18.0	74.2	147,400 *	19.0	75.9	139,800 *	22.0	75.4	115,400	24.0	75.8	101,000
18.0	70.1	147,800 *	19.0	72.9	140,100 *	20.0	74.9	132,200	24.0	73.7	101,300	26.0	74.3	89,200
19.0	68.5	140,500 *	20.0	71.7	132,400	22.0	72.9	115,100	26.0	72.0	89,600	28.0	72.8	80,500
20.0	66.9	132,800	22.0	69.3	115,300	24.0	70.9	100,800	28.0	70.3	80,800	30.0	71.2	72,800
22.0	63.7	115,600	24.0	66.8	101,000	26.0	68.8	89,100	30.0	68.5	73,000	32.0	69.7	66,600
24.0	60.4	101,300	26.0	64.3	89,400	28.0	66.7	80,500	32.0	66.7	67,000	34.0	68.2	61,600
26.0	57.0	89,600	28.0	61.7	80,700	30.0	64.6	72,800	34.0	64.9	62,000	36.0	66.6	57,300
28.0	53.4	80,900	30.0	59.1	73,000	32.0	62.5	66,600	36.0	63.0	57,800	38.0	65.1	53,100
30.0	49.8	73,300	32.0	56.3	67,000	34.0	60.3	61,600	38.0	61.2	53,600	40.0	63.5	49,300
32.0	45.8	67,200	34.0	53.4	62,000	36.0	58.0	57,300	40.0	59.3	49,800	42.0	61.8	46,600
34.0	41.2	61,700	36.0	50.3	57,800	38.0	55.7	53,100	42.0	57.3	46,900	44.0	60.2	43,800
36.0	36.2	56,600	38.0	47.3	53,600	40.0	53.4	49,300	44.0	55.3	44,100	46.0	58.5	41,100
38.0	31.1	51,500	40.0	44.0	49,800	42.0	50.9	46,600	46.0	53.3	41,300	48.0	56.8	39,100
40.0	25.4	45,900 *	42.0	40.4	47,000	44.0	48.3	43,800	48.0	51.2	39,400	50.0	55.1	37,100
			44.0	36.7	44,300	46.0	45.8	41,100	50.0	49.0	37,400	55.0	50.5	32,700
			46.0	32.9	41,500	48.0	42.8	39,200	55.0	43.2	33,200	60.0	45.7	29,200
			48.0	27.6	38,300	50.0	39.9	37,200	60.0	36.9	29,600	65.0	40.4	26,300
			50.0	22.3	35,100	55.0	31.2	32,900	65.0	29.2	26,800	70.0	34.3	24,100
						60.0	20.7	28,600 *				75.0	26.9	22,100
Reeves		8	Reeves		8	Reeves		8	Reeves		6	Reeves		6
90' Boom			100' Boom			110' Boom			120' Boom			130' Boom		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
17.0	81.9	125,800 *	19.0	81.6	125,600 *	20.0	81.8	100,800 *	22.0	81.6	98,700 *	24.0	81.3	85,100 *
18.0	81.3	125,800 *	20.0	81.0	123,600 *	22.0	80.8	100,800 *	24.0	80.6	94,200 *	26.0	80.4	83,900 *
19.0	80.7	125,800 *	22.0	79.9	112,200 *	24.0	79.7	96,500 *	26.0	79.6	88,000 *	28.0	79.5	78,200 *
20.0	80.0	124,000 *	24.0	78.7	100,600	26.0	78.6	88,500 *	28.0	78.6	79,900	30.0	78.6	71,900
22.0	78.7	112,500 *	26.0	77.5	88,900	28.0	77.6	80,200	30.0	77.7	72,200	32.0	77.7	65,900
24.0	77.4	100,800	28.0	76.3	80,200	30.0	76.5	72,400	32.0	76.7	66,100	34.0	76.9	60,900
26.0	76.1	89,100	30.0	75.1	72,400	32.0	75.4	66,300	34.0	75.7	61,100	36.0	75.9	56,600
28.0	74.8	80,500	32.0	74.0	66,300	34.0	74.3	61,300	36.0	74.7	56,800	38.0	75.0	52,300
30.0	73.5	72,800	34.0	72.8	61,300	36.0	73.2	57,000	38.0	73.7	52,500	40.0	74.1	48,400
32.0	72.1	66,600	36.0	71.6	57,000	38.0	72.2	52,700	40.0	72.7	48,700	42.0	73.2	45,600
34.0	70.8	61,600	38.0	70.3	52,700	40.0	71.1	48,900	42.0	71.7	45,800	44.0	72.2	42,800
36.0	69.4	57,300	40.0	69.1	48,900	42.0	70.0	46,200	44.0	70.7	43,000	46.0	71.3	40,000
38.0	68.0	53,100	42.0	67.9	46,200	44.0	68.9	43,400	46.0	69.7	40,200	48.0	70.4	38,000
40.0	66.6	49,300	44.0	66.6	43,400	46.0	67.8	40,700	48.0	68.6	38,300	50.0	69.4	36,000
42.0	65.2	46,500	46.0	65.4	40,700	48.0	66.6	38,700	50.0	67.6	36,300	55.0	67.1	31,600
44.0	63.8	43,700	48.0	64.1	38,700	50.0	65.4	36,600	55.0	65.0	32,000	60.0	64.6	28,100
46.0	62.4	40,900	50.0	62.8	36,600	55.0	62.5	32,300	60.0	62.3	28,300	65.0	62.2	25,200
48.0	60.9	38,900	55.0	59.5	32,300	60.0	59.5	28,700	65.0	59.6	25,400	70.0	59.6	22,900
50.0	59.4	36,900	60.0	56.1	28,700	65.0	56.5	25,900	70.0	56.8	23,200	75.0	57.0	20,900
55.0	55.7	32,500	65.0	52.5	25,900	70.0	53.2	23,500	75.0	53.8	21,200	80.0	54.3	19,000
60.0	51.7	29,000	70.0	48.8	23,500	75.0	49.9	21,400	80.0	50.8	19,400	85.0	51.6	17,500
65.0	47.4	26,100	75.0	44.8	21,400	80.0	46.4	19,600	85.0	47.7	17,700	90.0	48.7	16,100
70.0	42.9	23,800	80.0	40.5	19,600	85.0	42.6	18,100	90.0	44.3	16,500	95.0	45.6	15,000
75.0	37.9	21,800	85.0	36.0	18,100	90.0	38.6	16,800	95.0	40.7	15,300	100.0	42.4	14,000
80.0	32.2	20,100	90.0	30.5	16,900	95.0	34.1	15,600	100.0	36.9	14,200	110.0	35.4	12,100
85.0	25.7	18,600	95.0	24.0	15,800	100.0	29.1	14,600	110.0	27.8	12,600	120.0	26.6	10,800
						105.0	23.2	13,770	115.0	22.2	11,840	125.0	21.3	10,230
Reeves		5	Reeves		5	Reeves		4	Reeves		4	Reeves		4

Note: Designed and rated to comply with ANSI Code B30.5.

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts. Refer to notes P10.



Crane Boom Lifting Capacity

Unit: lbs

Counterweight: 69,000 lbs, Carbody weight: 31,700 lbs

140' Boom			150' Boom			160' Boom			170' Boom			180' Boom		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
24.0	81.9	72,900 *	26.0	81.7	62,200 *	28.0	81.5	50,200 *	30.0	81.3	44,500 *	30.0	81.8	39,300 *
26.0	81.1	71,800 *	28.0	80.9	61,300 *	30.0	80.8	50,100 *	32.0	80.7	43,900 *	32.0	81.2	38,800 *
28.0	80.3	70,800 *	30.0	80.1	60,400 *	32.0	80.1	49,700 *	34.0	80.0	43,200 *	34.0	80.5	38,200 *
30.0	79.4	69,000 *	32.0	79.4	59,400 *	34.0	79.4	49,200 *	36.0	79.3	42,500 *	36.0	79.9	37,600 *
32.0	78.6	64,700 *	34.0	78.6	57,200 *	36.0	78.6	48,500 *	38.0	78.6	41,900 *	38.0	79.2	37,000 *
34.0	77.8	60,500 *	36.0	77.8	54,100 *	38.0	77.9	47,800 *	40.0	77.9	41,200 *	40.0	78.6	36,400 *
36.0	76.9	56,200	38.0	77.0	51,000 *	40.0	77.2	46,600 *	42.0	77.2	40,600 *	42.0	77.9	35,800 *
38.0	76.1	52,000 *	40.0	76.3	48,000 *	42.0	76.4	44,300 *	44.0	76.5	40,000 *	44.0	77.2	35,100 *
40.0	75.2	48,200	42.0	75.5	45,200	44.0	75.6	42,100 *	46.0	75.8	39,300 *	46.0	76.6	34,500 *
42.0	74.4	45,400 *	44.0	74.7	42,400 *	46.0	74.9	39,800 *	48.0	75.1	37,400 *	48.0	75.9	33,900 *
44.0	73.5	42,600	46.0	73.9	39,600	48.0	74.1	37,800	50.0	74.4	35,400 *	50.0	75.3	33,300 *
46.0	72.7	39,800 *	48.0	73.1	37,500 *	50.0	73.4	35,800 *	55.0	72.6	31,200 *	55.0	73.7	30,800 *
48.0	71.8	37,800	50.0	72.3	35,500	55.0	71.5	31,400	60.0	70.9	27,600	60.0	72.0	27,400
50.0	71.0	35,800 *	55.0	70.3	31,200 *	60.0	69.6	27,800 *	65.0	69.1	24,600 *	65.0	70.3	24,400 *
55.0	68.8	31,400	60.0	68.2	27,600	65.0	67.7	25,000	70.0	67.3	22,300	70.0	68.6	21,900
60.0	66.6	27,800 *	65.0	66.2	24,800 *	70.0	65.8	22,600 *	75.0	65.4	20,300 *	75.0	66.9	19,900 *
65.0	64.3	25,000	70.0	64.0	22,400	75.0	63.8	20,500	80.0	63.5	18,500	80.0	65.2	18,100
70.0	62.0	22,600 *	75.0	61.9	20,300 *	80.0	61.8	18,700 *	85.0	61.6	16,800 *	85.0	63.4	16,600 *
75.0	59.7	20,500	80.0	59.6	18,500	85.0	59.7	17,000	90.0	59.7	15,400	90.0	61.6	15,200
80.0	57.3	18,700 *	85.0	57.4	17,000 *	90.0	57.6	15,700 *	95.0	57.8	14,300 *	95.0	59.8	14,000 *
85.0	54.8	17,200	90.0	55.2	15,700	95.0	55.4	14,500	100.0	55.8	13,300	100.0	57.9	12,900
90.0	52.2	15,900 *	95.0	52.8	14,400 *	100.0	53.2	13,500 *	110.0	51.5	11,500 *	110.0	54.0	11,100 *
95.0	49.5	14,600	100.0	50.3	13,400	110.0	48.6	11,700	120.0	47.0	9,800	120.0	49.9	9,600
100.0	46.8	13,600 *	110.0	45.1	11,700 *	120.0	43.6	10,100 *	130.0	42.2	8,700 *	130.0	45.6	8,500 *
110.0	40.8	11,900	120.0	39.3	10,300	130.0	38.1	8,900	140.0	36.8	7,700	140.0	40.9	7,400
120.0	34.0	10,300 *	130.0	32.8	8,900 *	140.0	31.6	7,900 *	150.0	30.5	6,800 *	150.0	35.7	6,500 *
130.0	25.7	9,200	140.0	24.3	8,000	150.0	23.7	7,100	160.0	23.2	5,900	160.0	29.7	5,600
135.0	20.5	8,830 *										165.0	26.5	5,100 *
Reeves		4	Reeves		4	Reeves		2	Reeves		2	Reeves		2
190' Boom			200' Boom											
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)									
32.0	81.6	34,400 *	34.0	81.5	30,300 *									
34.0	81.0	33,800 *	36.0	80.9	29,700 *									
36.0	80.4	33,300 *	38.0	80.3	29,200 *									
38.0	79.8	32,700 *	40.0	79.7	28,700 *									
40.0	79.2	32,200 *	42.0	79.1	28,200 *									
42.0	78.6	31,700 *	44.0	78.6	27,700 *									
44.0	78.0	31,100 *	46.0	78.0	27,300 *									
46.0	77.4	30,600 *	48.0	77.4	26,800 *									
48.0	76.7	30,100 *	50.0	76.8	26,300 *									
50.0	76.1	29,600 *	55.0	75.3	24,900 *									
55.0	74.5	28,100 *	60.0	73.8	23,200 *									
60.0	73.0	26,200 *	65.0	72.4	21,500 *									
65.0	71.4	24,000 *	70.0	70.9	20,000 *									
70.0	69.8	21,800 *	75.0	69.3	18,500 *									
75.0	68.2	19,900	80.0	67.8	17,100 *									
80.0	66.5	18,000 *	85.0	66.2	15,900 *									
85.0	64.9	16,400	90.0	64.6	14,700									
90.0	63.2	15,000 *	95.0	63.0	13,500 *									
95.0	61.5	13,900	100.0	61.4	12,400									
100.0	59.7	12,900 *	110.0	58.1	10,600 *									
110.0	56.2	11,000	120.0	54.6	9,200									
120.0	52.5	9,400 *	130.0	51.1	7,800 *									
130.0	48.5	8,200	140.0	47.2	6,500									
140.0	44.3	7,200 *	150.0	43.1	5,200 *									
150.0	39.7	6,300	155.0	41.0	4,650 *									
160.0	34.8	5,300 *												
165.0	32.1	4,650												
Reeves		2	Reeves		2									

Note: Designed and rated to comply with ANSI Code B30.5.
 Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
 Refer to notes P10.

LIFTING CAPACITY



Fixed Jib Lifting Capacity

Unit: lbs

Counterweight: 69,000 lbs, Carbody weight: 31,700 lbs

80' Boom																									
30 ft Jib						40 ft Jib						50 ft Jib						60 ft Jib							
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)							
10			30			10			30			10			30			10			30				
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)		
30.0	79.3	24,000*				34.0	79.3	24,000*				38.0	79.3	20,000*				40.0	79.8	18,000*					
32.0	78.0	24,000*				36.0	78.3	24,000*				40.0	78.4	20,000*				45.0	77.7	18,000*					
34.0	77.0	24,000*				38.0	77.4	24,000*				45.0	76.1	20,000*				50.0	75.6	17,850*					
36.0	75.9	24,000*				40.0	76.4	24,000*				50.0	73.8	20,000*				55.0	73.3	16,180*					
38.0	74.9	24,000*	38.0	79.6	21,000*	45.0	73.9	24,000*	45.0	79.7	15,360*	55.0	71.3	18,560*	55.0	78.0	11,080*	60.0	71.2	14,850*	60.0	78.7	8,950*		
40.0	73.8	24,000*	40.0	78.5	21,000*	50.0	71.4	24,000*	50.0	77.1	14,480*	60.0	68.9	17,080*	60.0	75.5	10,490*	65.0	69.0	13,730*	65.0	76.4	8,480*		
45.0	71.1	24,000*	45.0	75.7	20,700*	55.0	68.7	22,480*	55.0	74.3	13,640*	65.0	66.5	15,800*	65.0	73.0	9,980*	70.0	66.7	12,760*	70.0	74.1	8,060*		
50.0	68.3	24,000*	50.0	72.8	19,510*	60.0	66.1	20,700*	60.0	71.6	12,980*	70.0	64.0	14,720*	70.0	70.4	9,540*	75.0	64.3	11,860*	75.0	71.5	7,670*		
55.0	65.3	24,000*	55.0	69.7	18,380*	65.0	63.4	19,180*	65.0	68.8	12,360*	75.0	61.3	13,710*	75.0	67.6	9,100*	80.0	61.9	11,130*	80.0	69.0	7,340*		
60.0	62.4	24,000*	60.0	66.7	17,500*	70.0	60.6	17,870*	70.0	65.9	11,830*	80.0	58.7	12,870*	80.0	64.8	8,730*	85.0	59.5	10,470*	85.0	66.5	7,030*		
65.0	59.3	22,920	65.0	63.6	16,710*	75.0	57.6	16,660*	75.0	62.7	11,350*	85.0	56.0	12,140*	85.0	62.0	8,420*	90.0	57.0	9,870*	90.0	63.9	6,760*		
70.0	56.2	20,810	70.0	60.3	16,020*	80.0	54.6	15,670*	80.0	59.6	10,930*	90.0	53.2	11,500*	90.0	59.0	8,130*	95.0	54.2	9,320*	95.0	60.9	6,500*		
75.0	52.8	18,910	75.0	56.7	15,380*	85.0	51.5	14,810*	85.0	56.3	10,560*	95.0	50.0	10,890*	95.0	55.6	7,840*	100.0	51.5	8,860*	100.0	58.1	6,280*		
80.0	49.3	17,370	80.0	53.1	14,850*	90.0	48.3	14,040*	90.0	52.9	10,250*	100.0	46.9	10,360*	100.0	52.3	7,620*	105.0	48.7	8,440*	105.0	55.0	6,100*		
85.0	45.7	16,020				95.0	44.6	13,310*				105.0	43.6	9,890*				110.0	45.7	8,060*	110.0	51.8	5,930*		
90.0	41.8	14,850				100.0	40.8	12,690*				110.0	40.0	9,470*				115.0	42.3	7,690*					
95.0	37.2	13,750				105.0	36.7	12,120				115.0	35.8	9,080*				120.0	38.8	7,380*					
100.0	32.4	12,830				110.0	32.1	11,350*										125.0	35.1	7,120*					
Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1

90' Boom																									
30 ft Jib						40 ft Jib						50 ft Jib						60 ft Jib							
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)							
10			30			10			30			10			30			10			30				
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)		
32.0	79.1	24,000*				36.0	79.3	24,000*				38.0	80.0	20,000*				45.0	78.6	18,000*					
34.0	78.1	24,000*				38.0	78.4	24,000*				40.0	79.2	20,000*				50.0	76.6	18,000*					
36.0	77.1	24,000*				40.0	77.5	24,000*				45.0	77.1	20,000*				55.0	74.5	16,970*					
38.0	76.2	24,000*				45.0	75.2	24,000*				50.0	75.0	20,000*				60.0	72.5	15,630*	60.0	79.5	9,100*		
40.0	75.2	24,000*	40.0	79.5	21,000*	50.0	72.9	24,000*	50.0	78.2	14,810*	55.0	72.7	19,550*	55.0	78.9	11,300*	65.0	70.5	14,460*	65.0	77.4	8,660*		
45.0	72.7	24,000*	45.0	77.0	21,000*	55.0	70.4	23,890*	55.0	75.6	14,020*	60.0	70.5	18,000*	60.0	76.7	10,730*	70.0	68.4	13,470*	70.0	75.3	8,240*		
50.0	70.2	24,000*	50.0	74.4	20,100*	60.0	68.1	22,020*	60.0	73.2	13,330*	65.0	68.3	16,730*	65.0	74.4	10,250*	75.0	66.1	12,520*	75.0	72.9	7,870*		
55.0	67.5	24,000*	55.0	71.6	19,020*	65.0	65.6	20,410*	65.0	70.7	12,760*	70.0	66.1	15,580*	70.0	72.0	9,780*	80.0	64.0	11,770*	80.0	70.7	7,530*		
60.0	64.9	24,000*	60.0	68.9	18,120*	70.0	63.2	19,040*	70.0	68.1	12,230*	75.0	63.6	14,520*	75.0	69.5	9,360*	85.0	61.8	11,080*	85.0	68.4	7,230*		
65.0	62.2	22,660	65.0	66.1	17,320*	75.0	60.4	17,760*	75.0	65.3	11,720*	80.0	61.3	13,660*	80.0	67.0	8,990*	90.0	59.5	10,470*	90.0	66.0	6,960*		
70.0	59.4	20,540	70.0	63.3	16,620*	80.0	57.8	16,730*	80.0	62.5	11,300*	85.0	58.8	12,890*	85.0	64.5	8,680*	95.0	57.1	9,890*	95.0	63.4	6,700*		
75.0	56.4	18,620	75.0	60.2	15,960*	85.0	55.1	15,800*	85.0	59.7	10,930*	90.0	56.3	12,210*	90.0	61.8	8,370*	100.0	54.7	9,390*	100.0	60.9	6,480*		
80.0	53.5	17,080	80.0	57.1	15,430*	90.0	52.3	14,740	90.0	56.7	10,580*	95.0	53.6	11,570*	95.0	58.9	8,110*	105.0	52.2	8,950*	105.0	58.3	6,280*		
85.0	50.4	15,760	85.0	53.9	14,940*	95.0	49.1	13,620	95.0	53.4	10,270*	100.0	50.9	11,020*	100.0	56.1	7,870*	110.0	49.6	8,550*	110.0	55.5	6,100*		
90.0	47.1	14,570				100.0	46.0	12,690				105.0	48.0	10,530*	105.0	53.1	7,640*	115.0	46.7	8,150*	115.0	52.4	5,930*		
95.0	43.4	13,470				105.0	42.7	11,860				110.0	45.1	10,070*				120.0	43.8	7,820*					
100.0	39.7	12,540				110.0	39.1	11,080				115.0	41.7	9,650*				125.0	40.7	7,530*					
105.0	35.6	11,700				115.0	35.0	10,360				120.0	38.2	9,300*				130.0	37.4	7,270*					
												125.0	34.4	8,970*				135.0	33.8	7,010*					
Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1

Note: Designed and rated to comply with ANSI Code B30.5.

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.

Refer to notes P10.



Fixed Jib Lifting Capacity

Unit: lbs

Counterweight: 69,000 lbs, Carbody weight: 31,700 lbs

100' Boom

30 ft Jib						40 ft Jib						50 ft Jib						60 ft Jib							
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)							
10			30			10			30			10			30			10			30				
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)		
32.0	79.9	24,000*				36.0	80.0	24,000*				40.0	79.9	20,000*				45.0	79.3	18,000*					
34.0	79.0	24,000*				38.0	79.2	24,000*				45.0	78.0	20,000*				50.0	77.5	18,000*					
36.0	78.1	24,000*				40.0	78.4	24,000*				50.0	76.0	20,000*				55.0	75.5	17,720*					
38.0	77.2	24,000*				45.0	76.3	24,000*				55.0	73.9	20,000*	55.0	79.7	11,500*	60.0	73.7	16,350*					
40.0	76.4	24,000*				50.0	74.2	24,000*	50.0	79.1	15,100*	60.0	71.9	18,930*	60.0	77.7	10,950*	65.0	71.8	15,160*	65.0	78.3	8,810*		
45.0	74.1	24,000*	45.0	78.0	21,000*	55.0	71.9	24,000*	55.0	76.7	14,320*	65.0	69.9	17,590*	65.0	75.5	10,470*	70.0	69.9	14,130*	70.0	76.3	8,420*		
50.0	71.8	24,000*	50.0	75.7	20,650*	60.0	69.7	23,280*	60.0	74.5	13,660*	70.0	67.8	16,420*	70.0	73.4	10,030*	75.0	67.8	13,160*	75.0	74.2	8,040*		
55.0	69.3	24,000*	55.0	73.2	19,570*	65.0	67.5	21,620*	65.0	72.2	13,090*	75.0	65.6	15,340*	75.0	71.1	9,610*	80.0	65.8	12,360*	80.0	72.1	7,710*		
60.0	67.0	24,000*	60.0	70.7	18,690*	70.0	65.3	20,190*	70.0	69.9	12,560*	80.0	63.4	14,440*	80.0	68.8	9,230*	85.0	63.8	11,660*	85.0	70.0	7,420*		
65.0	64.5	22,440*	65.0	68.2	17,900*	75.0	62.8	18,620*	75.0	67.3	12,050*	85.0	61.2	13,640*	85.0	66.5	8,920*	90.0	61.7	11,040*	90.0	67.9	7,160*		
70.0	62.1	20,320	70.0	65.7	17,190*	80.0	60.4	17,060	80.0	64.9	11,640*	90.0	59.0	12,910*	90.0	64.2	8,610*	95.0	59.5	10,420*	95.0	65.5	6,900*		
75.0	59.4	18,400	75.0	62.9	16,510*	85.0	58.0	15,710	85.0	62.4	11,260*	95.0	56.5	12,230*	95.0	61.6	8,330*	100.0	57.3	9,920*	100.0	63.2	6,670*		
80.0	56.7	16,860	80.0	60.2	15,960*	90.0	55.5	14,500	90.0	59.8	10,910*	100.0	54.1	11,660*	100.0	59.1	8,090*	105.0	55.1	9,450*	105.0	60.9	6,450*		
85.0	54.0	15,520	85.0	57.4	15,450*	95.0	52.8	13,380	95.0	56.9	10,580*	105.0	51.6	11,150*	105.0	56.4	7,870*	110.0	52.7	9,030*	110.0	58.4	6,280*		
90.0	51.2	14,320	90.0	54.5	14,570	100.0	50.1	12,450	100.0	54.0	10,310*	110.0	49.0	10,670*	110.0	53.7	7,690*	115.0	50.2	8,610*	115.0	55.7	6,100*		
95.0	48.1	13,220	95.0	51.2	13,420	105.0	47.2	11,590				115.0	46.1	10,200*				120.0	47.7	8,280*	120.0	53.1	5,950*		
100.0	45.0	12,270				110.0	44.3	10,840				120.0	43.2	9,590				125.0	45.1	7,950*					
105.0	41.7	11,460				115.0	40.9	10,110				125.0	40.2	9,010				130.0	42.3	7,670*					
110.0	38.1	10,690				120.0	37.4	9,470				130.0	36.8	8,480				135.0	39.4	7,400*					
115.0	34.0	9,980				125.0	33.7	8,860*				135.0	33.2	7,800*				140.0	35.9	7,140*					
Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1

110' Boom

30 ft Jib						40 ft Jib						50 ft Jib						60 ft Jib							
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)							
10			30			10			30			10			30			10			30				
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)		
34.0	79.8	24,000*				38.0	79.9	24,000*				45.0	78.8	20,000*				45.0	80.0	18,000*					
36.0	79.0	24,000*				40.0	79.2	24,000*				50.0	76.9	20,000*				50.0	78.3	18,000*					
38.0	78.2	24,000*				45.0	77.2	24,000*				55.0	75.0	20,000*				55.0	76.4	18,000*					
40.0	77.3	24,000*				50.0	75.3	24,000*	50.0	79.9	15,360*	60.0	73.1	19,810*	60.0	78.5	11,150*	60.0	74.7	17,040*					
45.0	75.3	24,000*	45.0	79.0	21,000*	55.0	73.2	24,000*	55.0	77.7	14,610*	65.0	71.2	18,430*	65.0	76.5	10,670*	65.0	72.9	15,820*	65.0	79.1	8,970*		
50.0	73.2	24,000*	50.0	76.8	21,000*	60.0	71.2	24,000*	60.0	75.6	13,970*	70.0	69.3	17,230*	70.0	74.6	10,250*	70.0	71.1	14,770*	70.0	77.2	8,570*		
55.0	70.9	24,000*	55.0	74.5	20,100*	65.0	69.1	22,500	65.0	73.5	13,400*	75.0	67.2	16,110*	75.0	72.4	9,830*	75.0	69.2	13,800*	75.0	75.2	8,200*		
60.0	68.7	24,000*	60.0	72.2	19,220*	70.0	67.1	20,370	70.0	71.4	12,870*	80.0	65.2	15,160*	80.0	70.4	9,470*	80.0	67.3	12,960*	80.0	73.3	7,890*		
65.0	66.5	22,260	65.0	70.0	18,430*	75.0	64.8	18,450	75.0	69.1	12,380*	85.0	63.2	14,350*	85.0	68.3	9,140*	85.0	65.5	12,230*	85.0	71.4	7,580*		
70.0	64.3	20,150	70.0	67.7	17,700*	80.0	62.7	16,880	80.0	66.9	11,940*	90.0	61.2	13,600*	90.0	66.1	8,840*	90.0	63.6	11,590*	90.0	69.4	7,310*		
75.0	61.8	18,230	75.0	65.1	17,040*	85.0	60.5	15,520	85.0	64.6	11,570*	95.0	58.9	12,890*	95.0	63.8	8,550*	95.0	61.5	10,950*	95.0	67.2	7,050*		
80.0	59.4	16,680	80.0	62.7	16,460*	90.0	58.2	14,320	90.0	62.2	11,220*	100.0	56.7	12,300*	100.0	61.5	8,310*	100.0	59.5	10,420*	100.0	65.2	6,830*		
85.0	57.0	15,340	85.0	60.2	15,650	95.0	55.7	13,200	95.0	59.7	10,890*	105.0	54.5	11,530	105.0	59.2	8,090*	105.0	57.5	9,940*	105.0	63.0	6,630*		
90.0	54.5	14,150	90.0	57.6	14,440	100.0	53.3	12,250	100.0	57.1	10,600*	110.0	52.2	10,780	110.0	56.7	7,890*	110.0	55.4	9,500*	110.0	60.8	6,430*		
95.0	51.8	13,020	95.0	54.8	13,270	105.0	50.8	11,410	105.0	54.5	10,330*	115.0	49.6	10,030	115.0	54.0	7,690*	115.0	53.1	9,080*	115.0	58.4	6,260*		
100.0	49.1	12,100	100.0	52.0	12,320	110.0	48.2	10,640	110.0	51.8	10,110*	120.0	47.1	9,390				120.0	50.9	8,700*	120.0	56.1	6,100*		
105.0	46.3	11,260				115.0	45.3	9,920				125.0	44.5	8,810				125.0	48.6	8,370*	125.0	53.6	5,970*		
110.0	43.3	10,510				120.0	42.5	9,300				130.0	41.8	8,280				130.0	46.2	8,060*					
115.0	39.9	9,780				125.0	39.4	8,730				135.0	38.8	7,800				135.0	43.6	7,780*					
120.0	36.5	9,170				130.0	36.1	8,200				140.0	35.4	7,250*				140.0	40.8	7,380					
125.0	32.7	8,420*				135.0	32.5	7,420*										145.0	37.9	6,960					
																		150.0	34.8	6,370*					
Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1

Note: Designed and rated to comply with ANSI Code B30.5.

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.

Refer to notes P10.

LIFTING CAPACITY



Fixed Jib Lifting Capacity

Unit: lbs

Counterweight: 69,000 lbs, Carbody weight: 31,700 lbs

120' Boom

30 ft Jib						40 ft Jib						50 ft Jib						60 ft Jib						
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						
10			30			10			30			10			30			10			30			
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	
36.0	79.7	24,000*				40.0	79.9	24,000*				45.0	79.5	20,000*				50.0	78.9	18,000*				
38.0	79.0	24,000*				45.0	78.1	24,000*				50.0	77.7	20,000*				55.0	77.2	18,000*				
40.0	78.2	24,000*				50.0	76.2	24,000*				55.0	75.9	20,000*				60.0	75.5	17,200*				
45.0	76.3	24,000*	45.0	79.7	21,000*	55.0	74.3	24,000*	55.0	78.5	14,880*	60.0	74.2	20,000*	60.0	79.2	11,330*	65.0	73.9	16,460*	65.0	79.7	9,080*	
50.0	74.3	24,000*	50.0	77.7	21,000*	60.0	72.4	24,000*	60.0	76.6	14,240*	65.0	72.4	19,240*	65.0	77.4	10,860*	70.0	72.2	15,380*	70.0	78.0	8,700*	
55.0	72.2	24,000*	55.0	75.6	20,560*	65.0	70.5	22,240	65.0	74.7	13,690*	70.0	70.6	18,010*	70.0	75.6	10,420*	75.0	70.4	14,390*	75.0	76.1	8,350*	
60.0	70.2	24,000*	60.0	73.5	19,680*	70.0	68.6	20,100	70.0	72.7	13,160*	75.0	68.7	16,840*	75.0	73.6	10,030*	80.0	68.7	13,550*	80.0	74.4	8,040*	
65.0	68.2	21,970	65.0	71.4	18,910*	75.0	66.5	18,160	75.0	70.6	12,670*	80.0	66.8	15,890*	80.0	71.7	9,670*	85.0	67.0	12,780*	85.0	72.6	7,730*	
70.0	66.1	19,860	70.0	69.3	18,180*	80.0	64.5	16,620	80.0	68.5	12,250*	85.0	65.0	15,030*	85.0	69.7	9,340*	90.0	65.2	12,120*	90.0	70.7	7,470*	
75.0	63.9	17,940	75.0	67.0	17,500*	85.0	62.5	15,250	85.0	66.4	11,860*	90.0	63.1	14,190	90.0	67.8	9,060*	95.0	63.3	11,480*	95.0	68.7	7,230*	
80.0	61.7	16,400	80.0	64.8	16,790	90.0	60.5	14,040	90.0	64.3	11,500*	95.0	61.0	13,050	95.0	65.6	8,770*	100.0	61.5	10,930*	100.0	66.8	7,010*	
85.0	59.5	15,050	85.0	62.6	15,410	95.0	58.2	12,910	95.0	62.0	11,170*	100.0	59.0	12,100	100.0	63.6	8,500*	105.0	59.6	10,420*	105.0	64.9	6,790*	
90.0	57.3	13,860	90.0	60.2	14,170	100.0	56.0	11,970	100.0	59.7	10,860*	105.0	57.0	11,260	105.0	61.4	8,280*	110.0	57.7	9,960*	110.0	62.9	6,610*	
95.0	54.8	12,740	95.0	57.7	13,020	105.0	53.8	11,130	105.0	57.4	10,600*	110.0	54.9	10,490	110.0	59.3	8,060*	115.0	55.6	9,520*	115.0	60.7	6,410*	
100.0	52.4	11,790	100.0	55.2	12,050	110.0	51.5	10,360	110.0	55.0	10,360*	115.0	52.6	9,740	115.0	56.8	7,870*	120.0	53.6	9,140*	120.0	58.6	6,260*	
105.0	49.9	10,950	105.0	52.6	11,170	115.0	48.9	9,630	115.0	52.3	9,870	120.0	50.4	9,100	120.0	54.5	7,690*	125.0	51.5	8,610	125.0	56.4	6,100*	
110.0	47.3	10,200				120.0	46.5	8,990				125.0	48.1	8,530	125.0	52.1	7,530*	130.0	49.3	8,060	130.0	54.1	5,970*	
115.0	44.4	9,470				125.0	43.8	8,420				130.0	45.6	8,000				135.0	47.1	7,580	135.0	51.7	5,860*	
120.0	41.6	8,860				130.0	41.1	7,890				135.0	43.1	7,510				140.0	44.6	7,090				
125.0	38.5	8,280				135.0	38.1	7,420				140.0	40.3	7,030				145.0	42.2	6,670				
130.0	35.2	7,690*				140.0	34.7	6,700*				145.0	37.4	6,540*				150.0	39.6	6,300				
135.0	31.6	6,830*										150.0	34.3	5,880*				155.0	36.8	5,730*				
																			160.0	33.6	5,090*			
Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		

130' Boom

30 ft Jib						40 ft Jib						50 ft Jib						60 ft Jib					
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)					
10			30			10			30			10			30			10			30		
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
38.0	79.7	24,000*				45.0	78.8	24,000*				45.0	80.0	20,000*				50.0	79.5	18,000*			
40.0	79.0	24,000*				50.0	77.1	24,000*				50.0	78.4	20,000*				55.0	77.9	18,000*			
45.0	77.1	24,000*				55.0	75.2	24,000*	55.0	79.3	15,100*	55.0	76.7	20,000*				60.0	76.3	18,000*			
50.0	75.3	24,000*	50.0	78.5	21,000*	60.0	73.5	24,000*	60.0	77.5	14,500*	60.0	75.1	20,000*	60.0	79.9	11,480*	65.0	74.8	17,100*			
55.0	73.4	24,000*	55.0	76.5	20,980*	65.0	71.7	22,000	65.0	75.7	13,930*	65.0	73.4	20,000*	65.0	78.2	11,020*	70.0	73.2	16,000*	70.0	78.7	8,840*
60.0	71.5	24,000*	60.0	74.6	20,120*	70.0	69.9	19,860	70.0	73.8	13,420*	70.0	71.7	18,760*	70.0	76.5	10,620*	75.0	71.5	14,960*	75.0	76.9	8,480*
65.0	69.6	21,730	65.0	72.7	19,350*	75.0	68.0	17,920	75.0	71.8	12,940*	75.0	69.9	17,570*	75.0	74.6	10,200*	80.0	69.9	14,100*	80.0	75.3	8,170*
70.0	67.7	19,620	70.0	70.7	18,650*	80.0	66.2	16,350	80.0	69.9	12,520*	80.0	68.2	16,530	80.0	72.8	9,850*	85.0	68.3	13,330*	85.0	73.6	7,890*
75.0	65.6	17,680	75.0	68.6	17,960*	85.0	64.3	14,990	85.0	68.0	12,140*	85.0	66.5	15,160	85.0	71.0	9,540*	90.0	66.6	12,630*	90.0	71.9	7,620*
80.0	63.7	16,130	80.0	66.6	16,600	90.0	62.4	13,800	90.0	66.1	11,770*	90.0	64.7	13,950	90.0	69.2	9,230*	95.0	64.8	11,970*	95.0	70.0	7,360*
85.0	61.6	14,790	85.0	64.5	15,180	95.0	60.3	12,650	95.0	63.9	11,440*	95.0	62.8	12,800	95.0	67.2	8,950*	100.0	63.1	11,410*	100.0	68.3	7,140*
90.0	59.6	13,600	90.0	62.4	13,950	100.0	58.3	11,700	100.0	61.9	11,130*	100.0	61.0	11,860	100.0	65.3	8,700*	105.0	61.4	10,890*	105.0	66.5	6,940*
95.0	57.3	12,470	95.0	60.1	12,780	105.0	56.3	10,860	105.0	59.8	10,860*	105.0	59.1	11,000	105.0	63.4	8,480*	110.0	59.6	10,310	110.0	64.6	6,740*
100.0	55.2	11,530	100.0	57.9	11,810	110.0	54.2	10,090	110.0	57.6	10,420	110.0	57.2	10,220	110.0	61.4	8,260*	115.0	57.7	9,560	115.0	62.6	6,560*
105.0	52.9	10,690	105.0	55.6	10,950	115.0	51.9	9,360	115.0	55.2	9,650	115.0	55.1	9,470	115.0	59.2	8,040*	120.0	55.9	8,920	120.0	60.7	6,390*
110.0	50.6	9,940	110.0	53.2	10,160	120.0	49.7	8,730	120.0	52.9	8,990	120.0	53.1	8,840	120.0	57.1	7,870*	125.0	54.0	8,350	125.0	58.7	6,230*
115.0	48.1	9,210				125.0	47.4	8,150				125.0	51.0	8,260	125.0	54.9	7,710*	130.0	52.0	7,820	130.0	56.6	6,100*
120.0	45.6	8,570				130.0	45.0	7,620				130.0	48.8	7,730	130.0	52.6	7,560*	135.0	50.0	7,310	135.0	54.5	5,970*
125.0	43.0	8,020				135.0	42.5	7,140				135.0	46.6	7,250				140.0	47.8	6,830	140.0	52.2	5,860*
130.0	40.2	7,490				140.0	39.6	6,670				140.0	44.1	6,760				145.0	45.6	6,410			
135.0	37.3	6,940*				145.0	36.8																



Fixed Jib Lifting Capacity

Unit: lbs

Counterweight: 69,000 lbs, Carbody weight: 31,700 lbs

140' Boom

30 ft Jib						40 ft Jib						50 ft Jib						60 ft Jib					
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)					
10			30			10			30			10			30			10			30		
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
40.0	79.6	24,000*				45.0	79.4	24,000*				50.0	79.1	20,000*				55.0	78.5	18,000*			
45.0	77.9	24,000*				50.0	77.8	24,000*				55.0	77.4	20,000*				60.0	77.0	18,000*			
50.0	76.2	24,000*	50.0	79.2	21,000*	55.0	76.1	24,000*	55.0	79.9	15,320*	60.0	75.9	20,000*				65.0	75.6	17,700*			
55.0	74.4	24,000*	55.0	77.4	21,000*	60.0	74.4	24,000*	60.0	78.2	14,720*	65.0	74.3	20,000*	65.0	78.8	11,170*	70.0	74.1	16,570*	70.0	79.3	8,950*
60.0	72.6	23,980	60.0	75.6	20,540*	65.0	72.8	21,730	65.0	76.5	14,170*	70.0	72.8	19,480*	70.0	77.2	10,780*	75.0	72.5	15,520*	75.0	77.7	8,590*
65.0	70.9	21,450	65.0	73.8	19,770*	70.0	71.1	19,590	70.0	74.8	13,690*	75.0	71.1	17,850	75.0	75.5	10,380*	80.0	71.0	14,630*	80.0	76.1	8,310*
70.0	69.1	19,330	70.0	72.0	19,060*	75.0	69.3	17,650	75.0	72.9	13,180*	80.0	69.4	16,260	80.0	73.8	10,030*	85.0	69.4	13,840*	85.0	74.5	8,020*
75.0	67.2	17,390	75.0	70.0	17,940	80.0	67.6	16,090	80.0	71.2	12,760*	85.0	67.8	14,880	85.0	72.1	9,720*	90.0	67.9	13,130*	90.0	72.9	7,760*
80.0	65.3	15,850	80.0	68.1	16,330	85.0	65.9	14,720	85.0	69.4	12,380*	90.0	66.2	13,660	90.0	70.4	9,430*	95.0	66.2	12,450*	95.0	71.2	7,510*
85.0	63.5	14,480	85.0	66.2	14,940	90.0	64.1	13,510	90.0	67.6	12,030*	95.0	64.4	12,520	95.0	68.6	9,120*	100.0	64.6	11,680	100.0	69.5	7,270*
90.0	61.6	13,290	90.0	64.3	13,690	95.0	62.2	12,360	95.0	65.6	11,680*	100.0	62.7	11,570	100.0	66.8	8,880*	105.0	63.0	10,820	105.0	67.8	7,070*
95.0	59.5	12,160	95.0	62.2	12,540	100.0	60.3	11,410	100.0	63.7	11,370*	105.0	60.9	10,710	105.0	65.0	8,660*	110.0	61.4	10,050	110.0	66.1	6,870*
100.0	57.5	11,220	100.0	60.1	11,550	105.0	58.5	10,580	105.0	61.8	10,970	110.0	59.2	9,940	110.0	63.2	8,440*	115.0	59.6	9,300	115.0	64.3	6,700*
105.0	55.5	10,380	105.0	58.1	10,690	110.0	56.6	9,810	110.0	59.8	10,180	115.0	57.3	9,190	115.0	61.2	8,220*	120.0	57.9	8,660	120.0	62.5	6,520*
110.0	53.4	9,630	110.0	55.9	9,890	115.0	54.5	9,060	115.0	57.6	9,410	120.0	55.4	8,550	120.0	59.3	8,040*	125.0	56.1	8,060	125.0	60.7	6,370*
115.0	51.1	8,900	115.0	53.5	9,120	120.0	52.5	8,420	120.0	55.5	8,730	125.0	53.5	7,980	125.0	57.3	7,870*	130.0	54.3	7,530	130.0	58.8	6,230*
120.0	48.9	8,260	120.0	51.3	8,480	125.0	50.4	7,840	125.0	53.4	8,130	130.0	51.6	7,450	130.0	55.3	7,710*	135.0	52.5	7,030	135.0	56.9	6,100*
125.0	46.6	7,690				130.0	48.2	7,310				135.0	49.5	6,940	135.0	53.1	7,250	140.0	50.5	6,540	140.0	54.7	5,970*
130.0	44.2	7,180				135.0	46.0	6,830				140.0	47.3	6,450				145.0	48.5	6,120	145.0	52.7	5,860*
135.0	41.7	6,700				140.0	43.5	6,370				145.0	45.1	6,040				150.0	46.5	5,730			
140.0	38.8	6,060*				145.0	41.1	5,880*				150.0	42.9	5,640*				155.0	44.4	5,350*			
145.0	36.0	5,400*				150.0	38.5	5,290*				155.0	40.5	5,090*				160.0	42.0	4,820*			
150.0	32.9	4,760*				155.0	35.7	4,690*				160.0	37.8	4,540*				165.0	39.7	4,340*			
						160.0	32.5	4,070*				165.0	35.1	4,010*				170.0	37.3	3,880*			
												170.0	32.2	3,500*				175.0	34.7	3,410*			
Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1

150' Boom

30 ft Jib						40 ft Jib						50 ft Jib						60 ft Jib					
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)					
10			30			10			30			10			30			10			30		
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
45.0	78.6	24,000*				45.0	80.0	24,000*				50.0	79.6	20,000*				55.0	79.1	18,000*			
50.0	77.0	24,000*	50.0	79.9	21,000*	50.0	78.5	24,000*				55.0	78.1	20,000*				60.0	77.7	18,000*			
55.0	75.3	24,000*	55.0	78.1	21,000*	55.0	76.8	24,000*				60.0	76.6	20,000*				65.0	76.3	18,000*			
60.0	73.6	23,800	60.0	76.4	20,890*	60.0	75.3	24,000*	60.0	78.9	14,920*	65.0	75.1	20,000*	65.0	79.4	11,330*	70.0	74.9	17,120*	70.0	79.9	9,060*
65.0	72.0	21,270	65.0	74.8	20,150*	65.0	73.7	21,580	65.0	77.3	14,390*	70.0	73.7	19,640	70.0	77.9	10,930*	75.0	73.4	16,040*	75.0	78.3	8,700*
70.0	70.3	19,150	70.0	73.1	19,440*	70.0	72.1	19,420	70.0	75.7	13,910*	75.0	72.1	17,680	75.0	76.3	10,530*	80.0	71.9	15,160*	80.0	76.8	8,420*
75.0	68.5	17,210	75.0	71.2	17,810	75.0	70.5	17,480	75.0	73.9	13,420*	80.0	70.5	16,090	80.0	74.7	10,200*	85.0	70.5	14,350*	85.0	75.3	8,130*
80.0	66.8	15,670	80.0	69.5	16,200	80.0	68.8	15,890	80.0	72.3	13,000*	85.0	69.0	14,700	85.0	73.1	9,870*	90.0	69.0	13,620	90.0	73.8	7,890*
85.0	65.1	14,300	85.0	67.7	14,790	85.0	67.2	14,520	85.0	70.6	12,630*	90.0	67.5	13,490	90.0	71.5	9,590*	95.0	67.4	12,450	95.0	72.2	7,620*
90.0	63.3	13,110	90.0	65.9	13,530	90.0	65.6	13,310	90.0	68.9	12,270*	95.0	65.8	12,340	95.0	69.8	9,300*	100.0	65.9	11,500	100.0	70.6	7,400*
95.0	61.4	11,990	95.0	63.9	12,360	95.0	63.8	12,190	95.0	67.1	11,920*	100.0	64.2	11,390	100.0	68.2	9,060*	105.0	64.4	10,640	105.0	69.1	7,200*
100.0	59.6	11,040	100.0	62.1	11,390	100.0	62.1	11,240	100.0	65.3	11,610*	105.0	62.6	10,530	105.0	66.5	8,810*	110.0	62.9	9,850	110.0	67.5	7,010*
105.0	57.7	10,200	105.0	60.2	10,510	105.0	60.3	10,380	105.0	63.5	10,820	110.0	60.9	9,760	110.0	64.8	8,590*	115.0	61.2	9,100	115.0	65.7	6,830*
110.0	55.8	9,430	110.0	58.2	9,720	110.0	58.6	9,610	110.0	61.7	10,030	115.0	59.1	9,010	115.0	62.9	8,390*	120.0	59.6	8,460	120.0	64.1	6,650*
115.0	53.7	8,700	115.0	56.1	8,970	115.0	56.7	8,860	115.0	59.7	9,230	120.0	57.4	8,370	120.0	61.2	8,200*	125.0	58.0	7,870	125.0	62.4	6,500*
120.0	51.7	8,090	120.0	54.0	8,310	120.0	54.8	8,240	120.0	57.8	8,570	125.0	55.7	7,780	125.0	59.3	8,020*	130.0	56.3	7,340	130.0	60.7	6,370*
125.0	49.6	7,510	125.0	51.8	7,710	125.0	52.9	7,670	125.0	55.8	7,950	130.0	53.9	7,250	130.0	57.5	7,620	135.0	54.6	6,830	135.0	58.9	6,210*
130.0	47.5	6,980				130.0	51.0 </																

LIFTING CAPACITY



Fixed Jib Lifting Capacity

Unit: lbs

Counterweight: 69,000 lbs, Carbody weight: 31,700 lbs

160' Boom																								
30 ft Jib						40 ft Jib						50 ft Jib						60 ft Jib						
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						
10			30			10			30			10			30			10			30			
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	
45.0	79.2	24,000*				50.0	79.0	24,000*				55.0	78.7	20,000*				55.0	79.6	18,000*				
50.0	77.7	24,000*				55.0	77.5	24,000*				60.0	77.3	20,000*				60.0	78.3	18,000*				
55.0	76.1	24,000*	55.0	78.8	21,000*	60.0	76.0	24,000*	60.0	79.5	15,120*	65.0	75.9	20,000*	65.0	80.0	11,440*	65.0	76.9	18,000*				
60.0	74.5	23,720	60.0	77.2	21,000*	65.0	74.6	21,470	65.0	78.0	14,590*	70.0	74.5	19,530	70.0	78.5	11,060*	70.0	75.6	17,650*	70.0	80.4	9,140*	
65.0	73.0	21,180	65.0	75.6	20,500*	70.0	73.1	19,310	70.0	76.4	14,100*	75.0	72.9	17,570	75.0	77.0	10,670*	75.0	74.1	16,570*	75.0	78.9	8,810*	
70.0	71.4	19,040	70.0	74.0	19,730	75.0	71.5	17,370	75.0	74.8	13,640*	80.0	71.5	15,980	80.0	75.5	10,330*	80.0	72.8	15,670*	80.0	77.5	8,530*	
75.0	69.7	17,100	75.0	72.3	17,720	80.0	70.0	15,780	80.0	73.2	13,220*	85.0	70.1	14,590	85.0	74.0	10,030*	85.0	71.4	14,700	85.0	76.1	8,240*	
80.0	68.1	15,540	80.0	70.7	16,090	85.0	68.4	14,410	85.0	71.7	12,850*	90.0	68.6	13,350	90.0	72.5	9,740*	90.0	70.0	13,490	90.0	74.6	8,000*	
85.0	66.5	14,190	85.0	69.0	14,680	90.0	66.9	13,200	90.0	70.1	12,500*	95.0	67.0	12,210	95.0	70.9	9,450*	95.0	68.5	12,340	95.0	73.1	7,760*	
90.0	64.8	12,980	90.0	67.3	13,440	95.0	65.2	12,050	95.0	68.4	12,140*	100.0	65.5	11,260	100.0	69.3	9,210*	100.0	67.1	11,370	100.0	71.6	7,530*	
95.0	63.0	11,860	95.0	65.5	12,270	100.0	63.6	11,110	100.0	66.7	11,640	105.0	64.0	10,400	105.0	67.8	8,970*	105.0	65.7	10,490	105.0	70.2	7,310*	
100.0	61.3	10,910	100.0	63.8	11,280	105.0	62.0	10,250	105.0	65.1	10,730	110.0	62.5	9,610	110.0	66.2	8,770*	110.0	64.2	9,720	110.0	68.7	7,140*	
105.0	59.6	10,070	105.0	62.0	10,400	110.0	60.4	9,470	110.0	63.4	9,920	115.0	60.8	8,860	115.0	64.5	8,550*	115.0	62.7	8,970	115.0	67.0	6,940*	
110.0	57.9	9,300	110.0	60.2	9,610	115.0	58.6	8,730	115.0	61.5	9,120	120.0	59.2	8,220	120.0	62.8	8,350*	120.0	61.2	8,310	120.0	65.5	6,790*	
115.0	55.9	8,550	115.0	58.2	8,840	120.0	56.9	8,090	120.0	59.8	8,460	125.0	57.6	7,620	125.0	61.1	8,090	125.0	59.7	7,730	125.0	63.9	6,610*	
120.0	54.1	7,930	120.0	56.3	8,200	125.0	55.1	7,510	125.0	58.0	7,840	130.0	55.9	7,090	130.0	59.4	7,510	130.0	58.1	7,180	130.0	62.3	6,480*	
125.0	52.2	7,360	125.0	54.4	7,580	130.0	53.3	6,960	130.0	56.1	7,270	135.0	54.2	6,590	135.0	57.6	6,980	135.0	56.5	6,670	135.0	60.7	6,340*	
130.0	50.2	6,830	130.0	52.4	7,030	135.0	51.5	6,480	135.0	54.2	6,760	140.0	52.4	6,100	140.0	55.7	6,450	140.0	54.8	6,190	140.0	58.9	6,210*	
135.0	48.2	6,320				140.0	49.5	5,990	140.0	52.1	6,260	145.0	50.6	5,680	145.0	53.8	5,990	145.0	53.2	5,770	145.0	57.1	6,080*	
140.0	46.0	5,860				145.0	47.5	5,570				150.0	48.7	5,290	150.0	51.9	5,570	150.0	51.5	5,370	150.0	55.4	5,750	
145.0	43.9	5,310*				150.0	45.5	5,090*				155.0	46.8	4,800*				155.0	49.7	4,960*	155.0	53.5	5,350	
150.0	41.6	4,760*				155.0	43.4	4,580*				160.0	44.7	4,320*				160.0	47.8	4,490*	160.0	51.5	4,960	
155.0	39.2	4,230*				160.0	41.1	4,050*				165.0	42.7	3,880*				165.0	46.0	4,050*				
160.0	36.6	3,680*				165.0	38.7	3,590*				170.0	40.6	3,430*				170.0	44.1	3,650*				
165.0	33.9	3,170*				170.0	36.3	3,100*				175.0	38.3	3,020*				175.0	42.1	3,240*				
Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		

170' Boom																								
30 ft Jib						40 ft Jib						50 ft Jib						60 ft Jib						
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						
10			30			10			30			10			30			10			30			
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	
45.0	79.8	24,000*				50.0	79.6	24,000*				55.0	79.2	20,000*				55.0	80.0	18,000*				
50.0	78.3	24,000*				55.0	78.1	24,000*				60.0	77.9	20,000*				60.0	78.8	18,000*				
55.0	76.8	24,000*	55.0	79.4	21,000*	60.0	76.7	23,800	60.0	80.0	15,290*	65.0	76.5	20,000*	65.0	80.0	11,170*	65.0	77.5	18,000*				
60.0	75.3	23,500	60.0	77.9	21,000*	65.0	75.3	21,250	65.0	78.6	14,770*	70.0	75.2	19,310	70.0	79.1	11,170*	70.0	76.2	18,000*				
65.0	73.8	20,940	65.0	76.4	20,830*	70.0	73.9	19,090	70.0	77.1	14,300*	75.0	73.8	17,350	75.0	77.6	10,800*	75.0	74.9	17,080*	75.0	79.4	8,900*	
70.0	72.4	18,820	70.0	74.9	19,530	75.0	72.4	17,150	75.0	75.6	13,840*	80.0	72.4	15,760	80.0	76.2	10,490*	80.0	73.6	15,890	80.0	78.1	8,610*	
75.0	70.8	16,880	75.0	73.2	17,520	80.0	71.0	15,560	80.0	74.1	13,420*	85.0	71.0	14,370	85.0	74.8	10,180*	85.0	72.3	14,500	85.0	76.7	8,350*	
80.0	69.3	15,320	80.0	71.7	15,890	85.0	69.5	14,170	85.0	72.6	13,050*	90.0	69.6	13,130	90.0	73.4	9,890*	90.0	71.0	13,270	90.0	75.4	8,110*	
85.0	67.7	13,950	85.0	70.1	14,480	90.0	68.1	12,960	90.0	71.1	12,690*	95.0	68.2	11,990	95.0	71.9	9,610*	95.0	69.5	12,100	95.0	73.9	7,870*	
90.0	66.2	12,740	90.0	68.6	13,240	95.0	66.5	11,810	95.0	69.5	12,360*	100.0	66.7	11,020	100.0	70.4	9,360*	100.0	68.2	11,150	100.0	72.5	7,640*	
95.0	64.5	11,610	95.0	66.9	12,050	100.0	65.0	10,860	100.0	68.0	11,440	105.0	65.3	10,160	105.0	68.9	9,120*	105.0	66.8	10,270	105.0	71.1	7,450*	
100.0	62.9	10,670	100.0	65.2	11,080	105.0	63.5	10,000	105.0	66.4	10,530	110.0	63.9	9,390	110.0	67.4	8,900*	110.0	65.5	9,470	110.0	69.7	7,250*	
105.0	61.3	9,810	105.0	63.6	10,200	110.0	61.9	9,230	110.0	64.8	9,720	115.0	62.3	8,610	115.0	65.8	8,680*	115.0	64.0	8,730	115.0	68.2	7,050*	
110.0	59.7	9,060	110.0	61.9	9,390	115.0	60.3	8,480	115.0	63.1	8,920	120.0	60.8	7,980	120.0	64.3	8,500	120.0	62.6	8,090	120.0	66.7	6,900*	
115.0	57.9	8,310	115.0	60.1	8,610	120.0	58.7	7,840	120.0	61.5	8,240	125.0	59.3	7,400	125.0	62.7	7,890	125.0	61.1	7,490	125.0	65.2	6,740*	
120.0	56.2	7,670	120.0	58.3	7,980	125.0	57.0	7,270	125.0	59.8	7,640	130.0	57.7	6,850	130.0	61.1	7,310	130.0	59.7	6,940	130.0	63.7	6,590*	
125.0	54.4	7,090	125.0	56.5	7,360	130.0	55.4	6,720	130.0	58.1	7,070	135.0	56.1	6,340	135.0	59.5	6,760	135.0	58.2	6,450	135.0	62.2	6,450*	
130.0	52.6	6,560	130.0	54.7	6,810	135.0	53.7	6,230	135.0	56.3	6,540	140.0	54.4	5,860	140.0	57.7	6,260	140.0	56.6	5,950	140.0	60.5	6,300*	
135.0	50.8	6,080	135.0	52.8	6,300	140.0	51.8	5,750	140.0	54.4	6,040	145.0	52.8	5,440	145.0	56.0	5,790	145.0	55.1	5,530	145.0	58.9	5,970	
140.0	48.8	5,590				145.0	50.1	5,290*	145.0	52.6	5,590	150.0	51.1	4,960*	150.0	54.2	5,370	150.0	53.5	5,070*	150.0	57.3	5,550	
145.0	46.8	5,040*				150.0	48.2	4,780*				155.0	49.3	4,490*	155.0	52.4	4,930*	155.0	51.9	4,620*	155.0	55.6	5,150	
150.0	44.8	4,540*				155.0	46.3	4,320*				160.0	47.4	4,030*				160.0	50.1	4,160*	160.0	53.8	4,670*	
155.0	42.7	4,030*				160.0	44.2	3,810*				165.0	45.6	3,610*				165.0	48.5	3,760*	165.0	52.0	4,250*	
160.0	40.4	3,520*				165.0	42.2	3,370*				170.0	43.7	3,190*				170.0	46.7	3,370*				
165.0	38.1	3,040*																						
Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves												



Fixed Jib Lifting Capacity

Unit: lbs

Counterweight: 69,000 lbs, Carbody weight: 31,700 lbs

180' Boom

30 ft Jib						40 ft Jib						50 ft Jib						60 ft Jib					
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)					
10			30			10			30			10			30			10			30		
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
50.0	78.9	22,200*				55.0	78.7	21,670*				55.0	79.7	20,000*				60.0	79.3	18,000*			
55.0	77.4	21,750*	55.0	79.9	21,000*	60.0	77.3	21,270*				60.0	78.4	20,000*				65.0	78.0	18,000*			
60.0	76.0	21,360*	60.0	78.5	20,870*	65.0	76.0	20,870*	65.0	79.1	14,940*	65.0	77.1	20,000*				70.0	76.8	18,000*			
65.0	74.6	20,700*	65.0	77.1	20,500*	70.0	74.7	18,840*	70.0	77.7	14,480*	70.0	75.9	19,060*	70.0	79.6	11,300*	75.0	75.7	17,230*	75.0	79.9	8,990*
70.0	73.2	18,560	70.0	75.6	19,310	75.0	73.2	16,880	75.0	76.3	14,020*	75.0	74.5	17,100	75.0	78.2	10,930*	80.0	74.3	15,650	80.0	78.6	8,700*
75.0	71.7	16,600*	75.0	74.1	17,300*	80.0	71.9	15,290*	80.0	74.9	13,620*	80.0	73.2	15,490*	80.0	76.9	10,600*	85.0	73.0	14,240*	85.0	77.3	8,460*
80.0	70.3	15,030	80.0	72.6	15,670	85.0	70.5	13,910	85.0	73.5	13,240*	85.0	71.9	14,100	85.0	75.5	10,310*	90.0	71.8	13,020	90.0	76.0	8,200*
85.0	68.8	13,660*	85.0	71.2	14,240*	90.0	69.1	12,690*	90.0	72.1	12,890*	90.0	70.6	12,890*	90.0	74.2	10,030*	95.0	70.4	11,860*	95.0	74.6	7,950*
90.0	67.4	12,470	90.0	69.7	13,000	95.0	67.6	11,550	95.0	70.5	12,210	95.0	69.2	11,720	95.0	72.7	9,740*	100.0	69.2	10,890	100.0	73.3	7,760*
95.0	65.8	11,330*	95.0	68.1	11,810*	100.0	66.2	10,600*	100.0	69.1	11,190*	100.0	67.8	10,750*	100.0	71.4	9,500*	105.0	67.9	10,000*	105.0	72.0	7,530*
100.0	64.3	10,380	100.0	66.5	10,820	105.0	64.8	9,740	105.0	67.6	10,290	105.0	66.5	9,890	105.0	70.0	9,280*	110.0	66.6	9,230	110.0	70.7	7,360*
105.0	62.8	9,540*	105.0	65.0	9,940*	110.0	63.3	8,970*	110.0	66.1	9,470*	110.0	65.1	9,100*	110.0	68.5	9,060*	115.0	65.2	8,460*	115.0	69.2	7,160*
110.0	61.3	8,770	110.0	63.4	9,140	115.0	61.8	8,200	115.0	64.5	8,680	115.0	63.6	8,350	115.0	67.0	8,840*	120.0	63.8	7,820	120.0	67.8	7,010*
115.0	59.6	8,020*	115.0	61.7	8,370*	120.0	60.3	7,560*	120.0	63.0	8,000*	120.0	62.2	7,710*	120.0	65.6	8,280*	125.0	62.5	7,230*	125.0	66.4	6,850*
120.0	58.0	7,380	120.0	60.1	7,710	125.0	58.8	6,980	125.0	61.4	7,380	125.0	60.8	7,120	125.0	64.1	7,640	130.0	61.1	6,670	130.0	65.0	6,700*
125.0	56.4	6,810*	125.0	58.4	7,090*	130.0	57.2	6,430*	130.0	59.8	6,830*	130.0	59.3	6,560*	130.0	62.6	7,070*	135.0	59.7	6,150*	135.0	63.6	6,540*
130.0	54.7	6,280	130.0	56.8	6,540	135.0	55.6	5,950	135.0	58.2	6,300	135.0	57.8	6,080	135.0	61.1	6,540	140.0	58.2	5,590*	140.0	62.0	6,210
135.0	53.0	5,770*	135.0	55.0	6,040*	140.0	53.9	5,370*	140.0	56.4	5,770*	140.0	56.2	5,510*	140.0	59.4	6,010*	145.0	56.8	5,110*	145.0	60.5	5,700*
140.0	51.2	5,180*	140.0	53.1	5,480*	145.0	52.3	4,870*	145.0	54.7	5,260*	145.0	54.7	5,020*	145.0	57.8	5,510*	150.0	55.3	4,620*	150.0	59.0	5,220*
145.0	49.4	4,650*	145.0	51.3	4,960*	150.0	50.6	4,380*	150.0	53.0	4,760*	150.0	53.1	4,540*	150.0	56.2	5,020*	155.0	53.8	4,210*	155.0	57.5	4,760*
150.0	47.6	4,160*				155.0	48.8	3,920*				155.0	51.5	4,100*	155.0	54.5	4,560*	160.0	52.2	3,760*	160.0	55.8	4,290*
155.0	45.7	3,680*				160.0	46.9	3,460*				160.0	49.8	3,630*	160.0	52.7	4,070*	165.0	50.6	3,370*	165.0	54.1	3,880*
160.0	43.6	3,210*				165.0	45.1	3,040*				165.0	48.1	3,240*							170.0	52.4	3,480*
Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1

190' Boom

30 ft Jib						40 ft Jib						50 ft Jib						60 ft Jib					
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)					
10			30			10			30			10			30			10			30		
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
50.0	79.4	19,440*				55.0	79.2	18,950*				60.0	78.9	18,470*				60.0	79.7	18,000*			
55.0	78.0	19,020*				60.0	77.9	18,560*				65.0	77.7	18,070*				65.0	78.5	17,960*			
60.0	76.7	18,620*	60.0	79.0	18,250*	65.0	76.6	18,160*	65.0	79.6	15,100*	65.0	76.5	17,700*				70.0	77.4	17,590*			
65.0	75.4	18,250*	65.0	77.7	17,870*	70.0	75.4	17,810*	70.0	78.3	14,660*	75.0	75.2	16,930*	75.0	78.7	11,040*	75.0	76.1	17,080*			
70.0	74.0	17,870*	70.0	76.3	17,520*	75.0	74.0	16,710	75.0	76.9	14,190*	80.0	73.9	15,320	80.0	77.5	10,730*	80.0	74.9	15,470	80.0	79.1	8,790*
75.0	72.6	16,420*	75.0	74.9	17,150*	80.0	72.7	15,120*	80.0	75.6	13,800*	85.0	72.7	13,930*	85.0	76.2	10,420*	85.0	73.8	14,060*	85.0	77.9	8,550*
80.0	71.2	14,850	80.0	73.5	15,520	85.0	71.4	13,730	85.0	74.3	13,420*	90.0	71.4	12,690	90.0	74.9	10,160*	90.0	72.6	12,830	90.0	76.6	8,310*
85.0	69.9	13,490*	85.0	72.1	14,080*	90.0	70.1	12,520*	90.0	72.9	13,090*	95.0	70.1	11,550*	95.0	73.5	9,870*	95.0	71.3	11,680*	95.0	75.3	8,060*
90.0	68.5	12,270	90.0	70.7	12,850	95.0	68.7	11,370	95.0	71.5	12,050	100.0	68.8	10,580	100.0	72.2	9,630*	100.0	70.1	10,710	100.0	74.1	7,840*
95.0	67.0	11,150*	95.0	69.2	11,660*	100.0	67.3	10,420*	100.0	70.1	11,040*	105.0	67.5	9,720*	105.0	70.9	9,410*	105.0	68.8	9,830*	105.0	72.8	7,640*
100.0	65.6	10,200	100.0	67.7	10,670	105.0	66.0	9,540	105.0	68.7	10,140	110.0	66.2	8,920	110.0	69.6	9,190*	110.0	67.6	9,030	110.0	71.5	7,450*
105.0	64.1	9,340*	105.0	66.3	9,780*	110.0	64.6	8,770*	110.0	67.3	9,320*	115.0	64.8	8,170*	115.0	68.1	8,810*	115.0	66.3	8,260*	115.0	70.2	7,270*
110.0	62.7	8,570	110.0	64.8	8,970	115.0	63.1	8,020	115.0	65.8	8,530	120.0	63.5	7,510	120.0	66.7	8,130	120.0	65.0	7,580*	120.0	68.9	7,090*
115.0	61.1	7,840*	115.0	63.2	8,200*	120.0	61.7	7,380*	120.0	64.3	7,840*	125.0	62.1	6,900*	125.0	65.3	7,490*	125.0	63.7	6,940*	125.0	67.5	6,940*
120.0	59.6	7,200	120.0	61.7	7,530	125.0	60.3	6,790	125.0	62.9	7,230	130.0	60.8	6,300*	130.0	63.9	6,870*	130.0	62.4	6,370*	130.0	66.2	6,790*
125.0	58.1	6,630*	125.0	60.1	6,940*	130.0	58.8	6,190*	130.0	61.4	6,650*	135.0	59.4	5,750*	135.0	62.5	6,300*	135.0	61.1	5,820*	135.0	64.8	6,480*
130.0	56.6	6,040*	130.0	58.5	6,370	135.0	57.4	5,640*	135.0	59.9	6,080*	140.0	57.9	5,200*	140.0	60.9	5,730*	140.0	59.7	5,260*	140.0	63.4	5,900*
135.0	55.0	5,460*	135.0	56.9	5,790*	140.0	5																

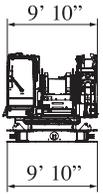
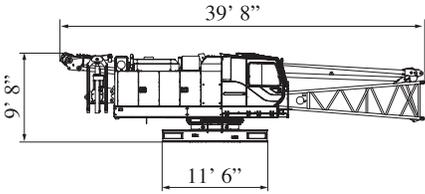
TRANSPORTATION PLAN

Name	Dimension ft-in (mm)	Weight lbs (kg)
Base Machine <ul style="list-style-type: none"> • Boom base • Gantry • Crawler • Wire rope (Front / boom hoist) 		95,128 (43,150)
Base Machine <ul style="list-style-type: none"> • Gantry • Crawler • Wire rope (Front / rear / boom hoist) • Without boom base 		90,586 (41,090)
Base Machine <ul style="list-style-type: none"> • Gantry • Crawler • Wire rope (Front / rear / boom hoist) • Without boom base • Self removal unit 		88,668 (40,220)
Base Machine <ul style="list-style-type: none"> • Boom base • Gantry • Wire rope (Front / rear / boom hoist) • Without crawler 		61,442 (27,870)
Base Machine <ul style="list-style-type: none"> • Gantry • Wire rope (Front / rear / boom hoist) • Without Crawler • Boom base 		56,900 (25,810)
Crawler		16,843 (7,640)

PARTS AND ATTACHMENTS

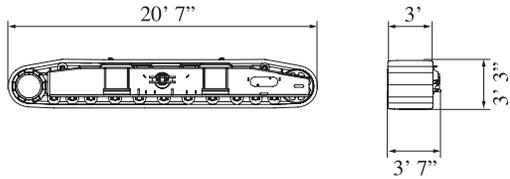
Base Machine

Gantry, Wire rope (Front/rear/boom hoist),
Without crawler
Weight: 61,442 lbs Width: 9' 10"



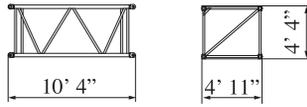
Crawler

Weight: 16,843 lbs



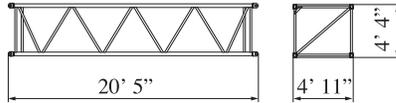
10 ft Insert Boom

Weight: 685 lbs



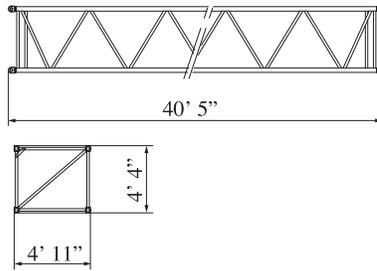
20 ft Insert Boom

Weight: 1,145 lbs



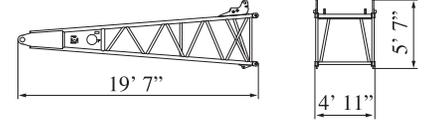
40 ft Insert Boom

Weight: 2,115 lbs



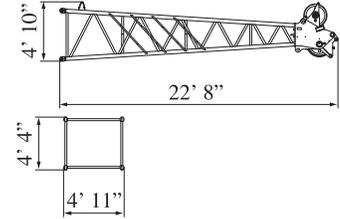
Boom Base

Weight: 3,252 lbs



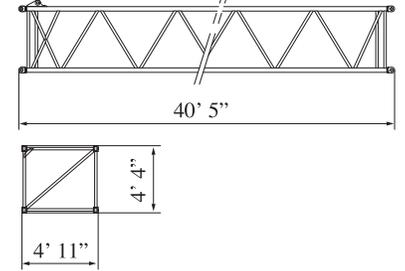
Boom Tip

Weight: 2,580 lbs



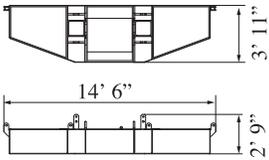
40 ft Insert Boom with lug

Weight: 2,150 lbs



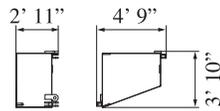
Counterweight No.1

Weight: 18,320 lbs



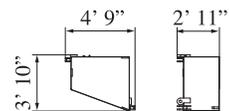
Counterweight No.2, No.3 (R)

Weight: 12,677 lbs (1 piece)



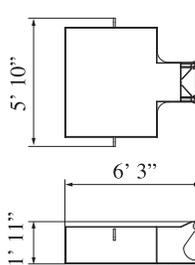
Counterweight No.2, No.3 (L)

Weight: 12,677 lbs (1 piece)



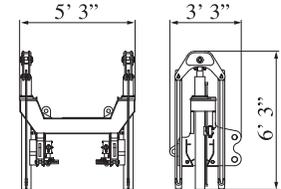
Carbodyweight

Weight: 15,873 lbs



Self removal unit

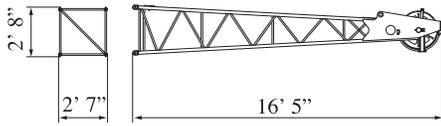
Weight: 1,918 lbs



Dimensions: ft Weight: lbs

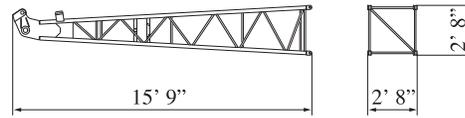
Jib Tip

Weight: 617 lbs



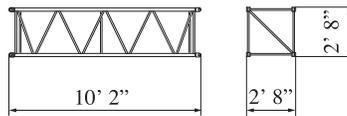
Jib Base

Weight: 440 lbs



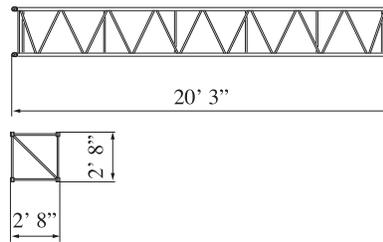
10 ft Insert Jib

Weight: 220 lbs



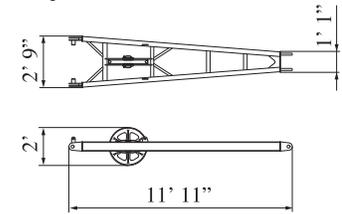
20 ft Insert Jib

Weight: 395 lbs



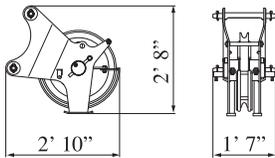
Jib Strut

Weight: 456 lbs



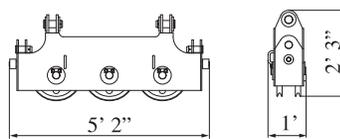
Auxiliary Sheave

Weight: 430 lbs



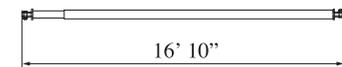
Upper Spreader

Weight: 518 lbs



Backstop

Weight: 595 lbs



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

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