

Preliminary

Hydraulic Crawler Crane

CK

1200G

Model : CK1200G

Max. Lifting Capacity : 240,000 lbs x 12.0 ft

Max. Crane Boom Length : 230 ft

Max. Fixed Jib Combination : 200 ft + 70 ft



KOBELCO

CK1200G CONTENTS

3

SPECIFICATIONS

5

GENERAL DIMENSIONS

6

BOOM AND JIB ARRANGEMENTS

7

WORKING RANGES

10

SUPPLEMENTAL DATA

11

LIFTING CAPACITY

19

TRANSPORTATION PLAN

21

PARTS AND ATTACHMENTS

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: 141.3 US gal. (535 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 25/32 inch (20 mm) dia. wire rope

Line speed: Single line on first drum layer

Hoisting/Lowering: 157 to 6.6 ft/min (48 to 2 m/min)

Diameter of wire rope

Main winch: 1-1/32 in. x 853 ft (26 mm x 265 m)

Aux. winch: 1-1/32 in. x 755 ft (26 mm x 235 m)

Third winch: 1-1/32 in. x 623 ft (22 mm x 190 m)

Boom hoisting/lowering: 25/32 in. x 509 ft (20 mm x 155 m)

Boom guy line: 1-11/32 in. (34 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 2ft 9/32 inch (617 m) Lg., grooved for 1-1/32 inch (26 mm) wire rope. Rope capacity is 853 ft (260 m) working length and 1,181 ft (361 m) storage length.

Rear drums:

2 ft 3/16 inch (614 mm) P.C.D x 2ft 9/32 inch (617 m) Lg., grooved for 1-1/32 inch (26 mm) wire rope. Rope capacity is 755 ft (230 m) working length and 1,181 ft (361 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: 25,000 lbs (108 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: 3.2 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: 76,300 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: 14,300 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): 2 ft 11 in wide each crawler

Max. gradeability: 40%

**Weight**

Including upper and lower machine, 76,300 lbs counterweight and 14,300 lbs carbody weight, basic boom (or basic boom + basic jib), hook, and other accessories.

Weight: 220,300 lbs (102 t)

Ground pressure: 13.6 psi (95.4 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	50 ft	230 ft
Fixed Jib	90 ft + 30 ft	200 ft + 70 ft

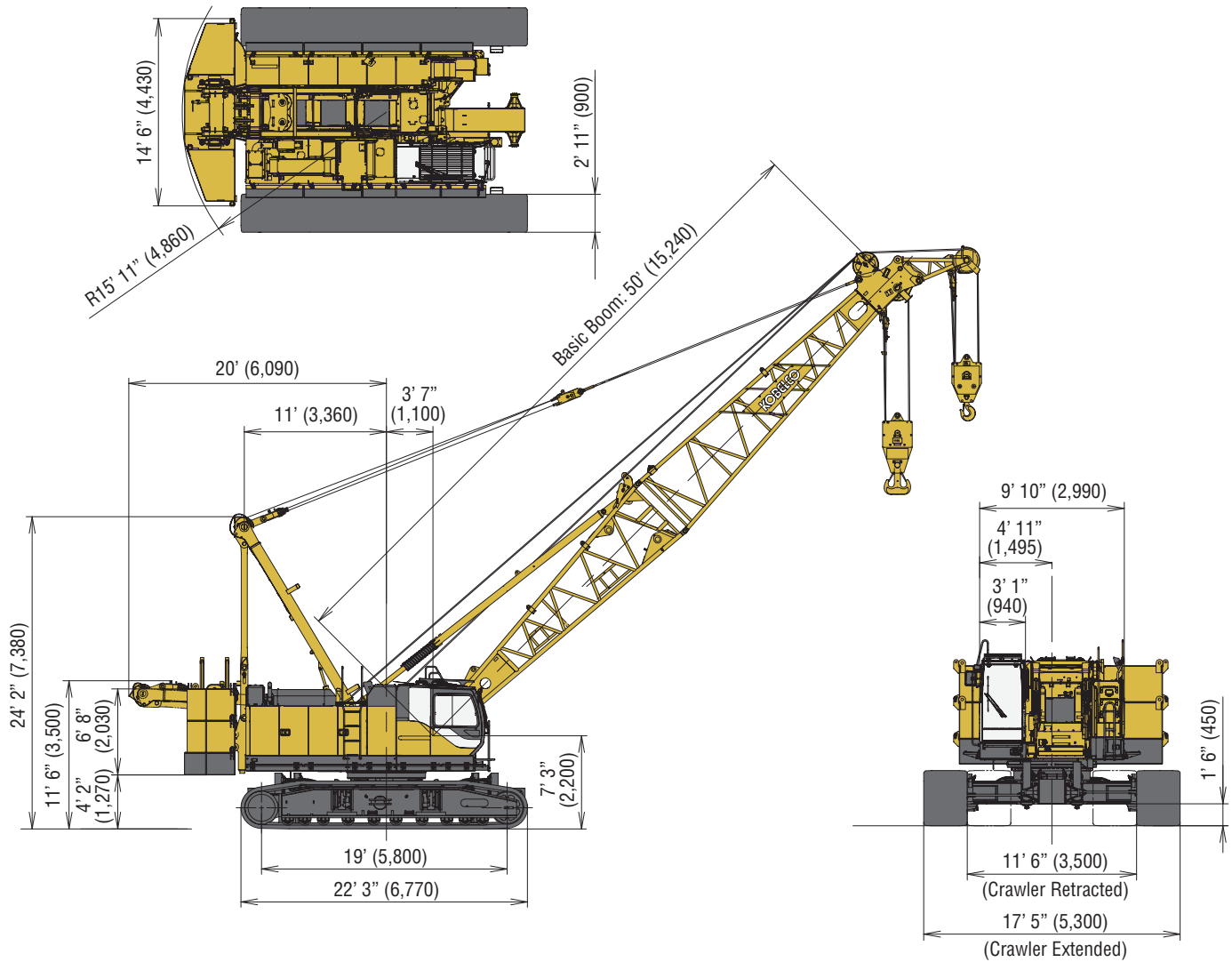
Main Specifications (Model: CK1200G)

Crane Boom	
Max. Lifting Capacity	240,000 lbs
Length	50 ~ 230 ft
Fixed Jib	
Max. Lifting Capacity	24,000 lbs
Max. Length	70 ft
Max. Combination	200 ft + 70 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)	25,000 lbs (108 kN)
Wire Rope Diameter	1-1/32 in (26 mm)
Brake Type	Spring set hydraulically released (Negative)

Working Speed	
Swing Speed	3.2 rpm (min ⁻¹)
Travel Speed	0.86/0.62 mph
Hydraulic System	
Main pumps	3 variable displacement
Max. Pressure	4,626 psi (31.9 MPa)
Hydraulic Tank Capacity	141.3 US gal. (535 liters)
Weight	
Operating Weight	220,300 lbs (102 t)
Ground Pressure	13.6 psi (95.4 kPa)
Counterweight	76,300 lbs
Transport Weight	74,206 lbs


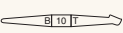
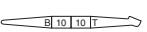
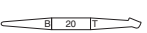

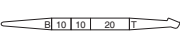
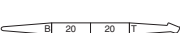
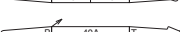
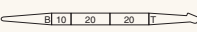

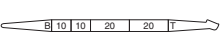
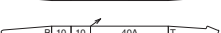


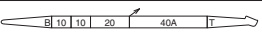

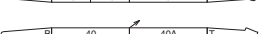
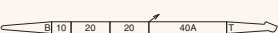

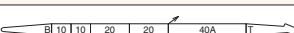
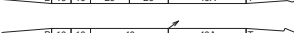
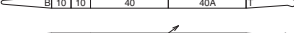
GENERAL DIMENSIONS

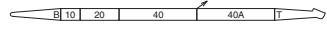
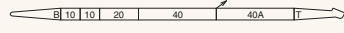

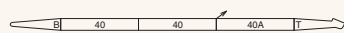
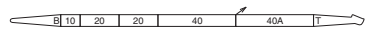
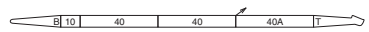
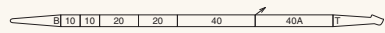

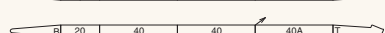
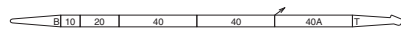
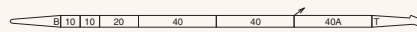

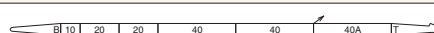
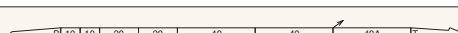
Unit: ft-in (mm)









BOOM AND JIB ARRANGEMENTS

Crane Boom Arrangements

Boom length ft (m)	Boom arrangement
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)	※  
150 (45.7)	※   

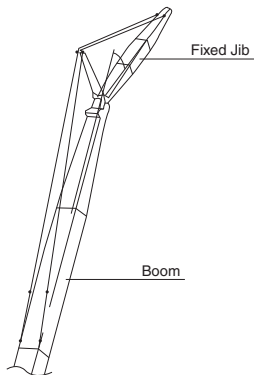
Boom length ft (m)	Boom arrangement
160 (48.8)	※ 
170 (51.8)	※   
180 (54.9)	※  
190 (57.9)	※   
200 (61.0)	※ 
210 (64.0)	※  
220 (67.1)	※ 
230 (70.1)	※ 


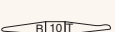


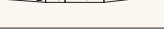
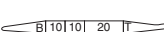
Symbol	Boom Length	Remarks
	25.0 ft (7.6 m)	Boom Base
	25.0 ft (7.6 m)	Boom Top
	10.0 ft (3.1 m)	Insert Boom
	20.0 ft (6.1 m)	Insert Boom
	40.0 ft (12.2 m)	Insert Boom
	40.0 ft (12.2 m)	Insert Boom for Luffing





↗ 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

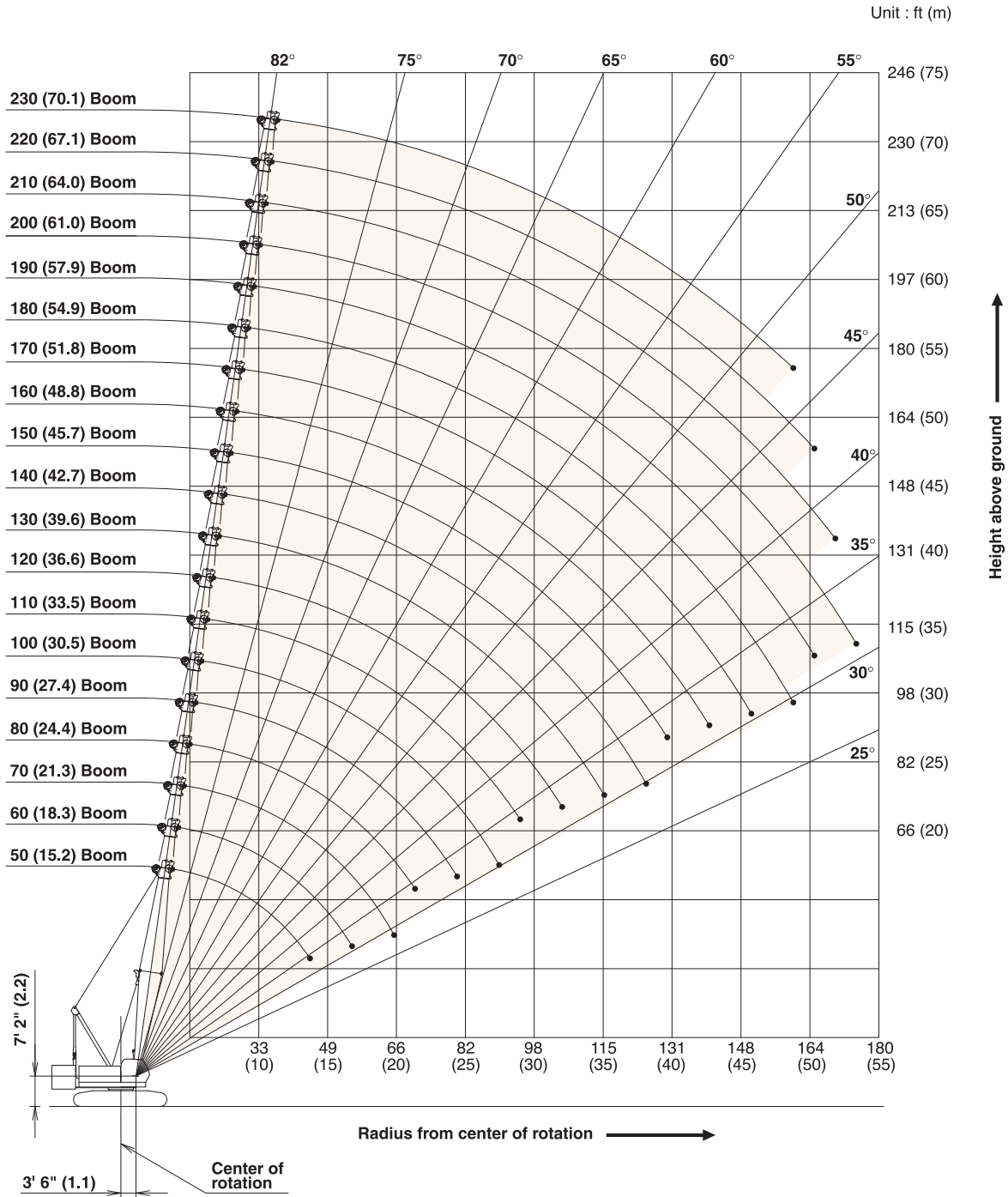


Crane boom length	Jib length ft (m)	Jib arrangement
90 ft (27.4 m) } 200 ft (61.0 m)	30 (9.1)	
	40 (12.2)	
	50 (15.2)	
	60 (18.3)	
	70 (21.3)	 

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

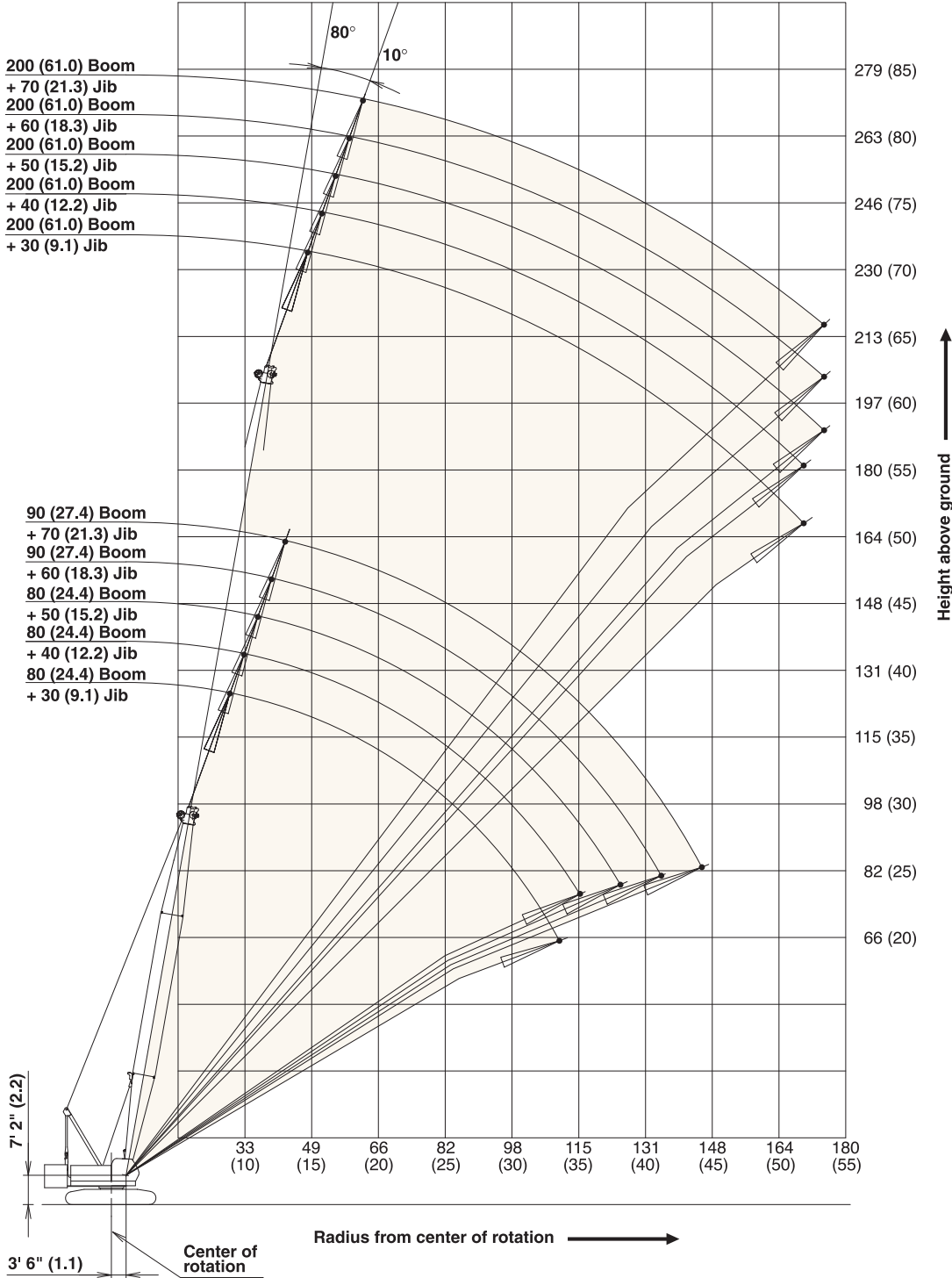
WORKING RANGES

Main Boom



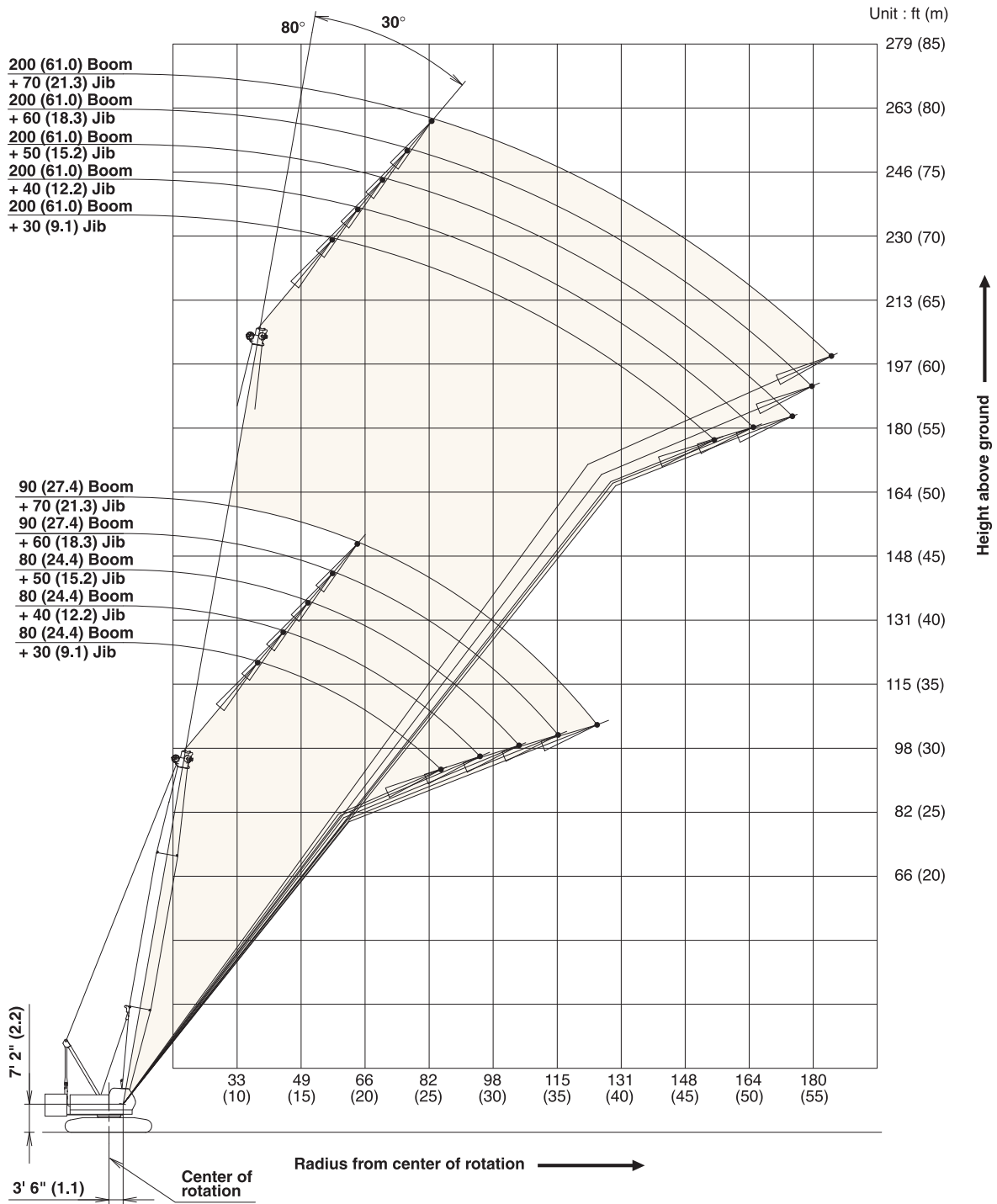
Fixed Jib 10°

Unit : ft (m)



WORKING RANGES

Fixed Jib 30°



SUPPLEMENTAL DATA

1. 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).

2. Capacities do not exceed 75% of minimum tipping loads. Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.

3. 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.

4. Do not attempt to lift where no ratings are shown as crane may tip or collapse.

5. Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine capacity.

6. 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.

7. When lifting over boom point with jib or auxiliary sheave, rated loads for the boom must be deducted as shown below.

Jib length (ft)	Aux.	30'	40'	50'	60'	70'
Deduct (lbs)	700	2,400	3,200	4,200	5,200	6,200

8. The total load that can be lifted over a jib is limited by rated jib loads.

9. Boom lengths for jib mounting are 90 ft (27.4 m) to 200 ft (61.0 m).

10. Boom lengths that can attach auxiliary sheave are from 50 ft (15.2 m) to 220 ft (67.1 m).

11. The boom should be erected over the front of the crawlers, not laterally.

When erecting and lowering the boom at length of 200 ft (61.0 m) with jib, the blocks for erection must be placed at the end of the crawlers.

12. Least stable position is over the side.

13. 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)	25,000	50,000	75,000	100,000	125,000
No. of Parts of Line	6	7	8	9	10
Maximum Loads (lbs)	150,000	175,000	200,000	225,000	240,000

Jib Hoist Loads

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

Auxiliary Hoist Loads

No. of Parts of Line	1	2
Maximum Loads (lbs)	25,000	50,000

14. Lifting capacities listed apply only to the machine as originally manufactured and designed by KOBELCO CRANES CO.,LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.

15. 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: 76,300 lbs, Carbody weight: 14,300 lbs

50' Boom			60' Boom			70' Boom			80' Boom			90' 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)
12.0	81.4	240,000 *	13.5	81.4	210,000 *	15.0	81.4	190,000 *	16.5	81.4	171,000 *	18.0	81.4	150,000 *
13.0	80.2	220,000 *	14.0	80.9	204,000 *	16.0	80.5	177,000 *	17.0	81.0	163,000 *	19.0	80.7	140,000 *
14.0	79.0	206,000 *	15.0	79.9	190,000 *	17.0	79.7	163,000 *	18.0	80.3	150,000 *	20.0	80.1	135,000 *
15.0	77.9	191,000 *	16.0	78.9	177,000 *	18.0	78.9	150,000 *	19.0	79.6	142,100 *	22.0	78.8	122,400 *
16.0	76.7	177,000 *	17.0	78.0	163,000 *	19.0	78.0	142,100 *	20.0	78.8	135,000 *	24.0	77.5	111,500
17.0	75.5	163,000 *	18.0	77.0	150,000 *	20.0	77.2	135,000 *	22.0	77.4	122,400 *	26.0	76.2	98,900
18.0	74.3	150,000 *	19.0	76.0	142,100 *	22.0	75.5	122,700 *	24.0	75.9	111,500	28.0	74.8	88,800
19.0	73.1	142,100 *	20.0	75.0	135,000 *	24.0	73.8	111,700	26.0	74.4	98,900	30.0	73.5	80,400
20.0	71.9	135,000 *	22.0	73.0	122,700 *	26.0	72.1	99,200	28.0	72.9	88,800	32.0	72.2	73,400
22.0	69.5	122,800 *	24.0	71.0	111,700	28.0	70.3	89,000	30.0	71.4	80,400	34.0	70.8	67,400
24.0	67.0	111,900	26.0	69.0	99,200	30.0	68.6	80,600	32.0	69.9	73,400	36.0	69.5	62,300
26.0	64.4	99,600	28.0	66.9	89,200	32.0	66.8	73,800	34.0	68.3	67,400	38.0	68.1	57,900
28.0	61.8	89,500	30.0	64.8	80,900	34.0	65.0	67,900	36.0	66.8	62,300	40.0	66.7	54,000
30.0	59.2	81,100	32.0	62.6	73,800	36.0	63.2	62,800	38.0	65.2	57,900	45.0	63.2	46,000
32.0	56.4	74,200	34.0	60.4	68,100	38.0	61.3	58,400	40.0	63.6	54,200	50.0	59.5	40,100
34.0	53.6	68,300	36.0	58.2	63,000	40.0	59.4	54,400	45.0	59.5	46,200	55.0	55.8	35,400
36.0	50.7	63,200	38.0	55.9	58,600	45.0	54.5	46,500	50.0	55.2	40,100	60.0	51.8	31,500
38.0	47.6	58,800	40.0	53.5	54,600	50.0	49.2	40,500	55.0	50.7	35,400	65.0	47.6	28,400
40.0	44.3	55,100	45.0	47.2	46,700	55.0	43.5	35,900	60.0	45.8	31,700	70.0	43.0	25,700
45.0	35.2	47,100	50.0	40.2	40,700	60.0	37.1	32,100	65.0	40.5	28,600	75.0	38.1	23,500
			55.0	31.9	36,100				70.0	34.6	26,000	80.0	32.5	21,600
Reeves 10			Reeves 9			Reeves 8			Reeves 7			Reeves 6		
100' Boom			110' Boom			120' Boom			130' Boom			140' 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)
19.5	81.4	137,500 *	20.9	81.4	128,600 *	22.4	81.4	121,000 *	23.9	81.4	100,000 *	25.4	81.4	100,000 *
20.0	81.1	135,000 *	22.0	80.8	122,000 *	24.0	80.6	111,100	24.0	81.4	100,000 *	26.0	81.2	98,100
22.0	79.9	122,200 *	24.0	79.8	111,300	26.0	79.7	98,500	26.0	80.5	98,300	28.0	80.3	87,900
24.0	78.8	111,300	26.0	78.7	98,500	28.0	78.7	88,400	28.0	79.6	88,100	30.0	79.5	79,500
26.0	77.6	98,700	28.0	77.7	88,400	30.0	77.7	80,000	30.0	78.7	79,800	32.0	78.7	72,500
28.0	76.4	88,600	30.0	76.6	80,000	32.0	76.7	72,900	32.0	77.8	72,700	34.0	77.8	66,500
30.0	75.2	80,200	32.0	75.5	72,900	34.0	75.8	67,000	34.0	76.9	66,700	36.0	77.0	61,500
32.0	74.0	73,100	34.0	74.4	67,000	36.0	74.8	61,900	36.0	76.0	61,700	38.0	76.1	57,000
34.0	72.8	67,200	36.0	73.3	61,900	38.0	73.8	57,500	38.0	75.1	57,300	40.0	75.3	53,100
36.0	71.6	62,100	38.0	72.3	57,500	40.0	72.8	53,500	40.0	74.1	53,300	45.0	73.2	45,100
38.0	70.4	57,700	40.0	71.2	53,500	45.0	70.3	45,600	45.0	71.8	45,400	50.0	71.0	39,000
40.0	69.2	53,700	45.0	68.4	45,600	50.0	67.7	39,400	50.0	69.5	39,400	55.0	68.8	34,300
45.0	66.1	45,800	50.0	65.5	39,600	55.0	65.1	34,800	55.0	67.1	34,600	60.0	66.6	30,400
50.0	62.9	39,900	55.0	62.6	34,800	60.0	62.4	30,800	60.0	64.7	30,600	65.0	64.4	27,100
55.0	59.6	35,000	60.0	59.6	31,000	65.0	59.7	27,700	65.0	62.2	27,500	70.0	62.1	24,400
60.0	56.2	31,300	65.0	56.5	27,700	70.0	56.8	25,100	70.0	59.7	24,900	75.0	59.7	22,200
65.0	52.6	27,900	70.0	53.3	25,100	75.0	53.9	22,700	75.0	57.1	22,400	80.0	57.3	20,200
70.0	48.9	25,300	75.0	50.0	22,900	80.0	50.9	20,700	80.0	54.4	20,500	85.0	54.8	18,500
75.0	45.0	23,100	80.0	46.5	20,900	85.0	47.7	19,100	85.0	51.6	18,900	90.0	52.3	16,900
80.0	40.7	21,100	85.0	42.7	19,100	90.0	44.4	17,600	90.0	48.8	17,400	95.0	49.6	15,600
85.0	36.0	19,600	90.0	38.7	17,800	95.0	40.8	16,300	95.0	45.7	16,000	100.0	46.9	14,500
90.0	30.8	18,000	95.0	34.3	16,500	100.0	37.0	15,200	100.0	42.5	14,700	105.0	44.0	13,400
						105.0	32.8	14,100	105.0	39.1	13,800	110.0	40.9	12,500
									110.0	35.5	13,000	115.0	37.7	11,600
									115.0	31.4	12,100	120.0	34.1	11,000
												125.0	30.3	10,300
Reeves 6			Reeves 6			Reeves 5			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: 76,300 lbs, Carbody weight: 14,300 lbs

150' Boom			160' Boom			170' Boom			180' Boom			190' 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)
26.9	81.4	92,800	28.4	81.4	75,000 *	29.9	81.4	75,000 *	31.4	81.4	73,400	32.9	81.4	66,300 *
28.0	81.0	87,700	30.0	80.8	75,000 *	30.0	81.4	75,000 *	32.0	81.2	71,800	34.0	81.1	65,400
30.0	80.2	79,300	32.0	80.1	72,300	32.0	80.7	72,000	34.0	80.6	65,900	36.0	80.5	60,400
32.0	79.4	72,300	34.0	79.4	66,300	34.0	80.0	66,100	36.0	79.9	60,600	38.0	79.8	55,900
34.0	78.7	66,300	36.0	78.6	61,200	36.0	79.3	60,800	38.0	79.3	56,200	40.0	79.2	52,000
36.0	77.9	61,000	38.0	77.9	56,800	38.0	78.6	56,400	40.0	78.6	52,200	45.0	77.7	44,000
38.0	77.1	56,600	40.0	77.2	52,900	40.0	77.9	52,400	45.0	77.0	44,300	50.0	76.1	37,900
40.0	76.3	52,600	45.0	75.3	44,900	45.0	76.2	44,500	50.0	75.4	38,100	55.0	74.6	33,000
45.0	74.3	44,700	50.0	73.5	38,800	50.0	74.5	38,500	55.0	73.7	33,200	60.0	73.0	29,100
50.0	72.3	38,800	55.0	71.6	33,900	55.0	72.7	33,700	60.0	72.0	29,500	65.0	71.4	26,000
55.0	70.3	33,900	60.0	69.7	30,200	60.0	70.9	29,700	65.0	70.3	26,200	70.0	69.8	23,100
60.0	68.3	29,900	65.0	67.8	26,800	65.0	69.1	26,400	70.0	68.6	23,500	75.0	68.2	20,900
65.0	66.2	26,800	70.0	65.8	24,200	70.0	67.3	23,800	75.0	66.9	21,100	80.0	66.6	18,900
70.0	64.1	24,200	75.0	63.8	21,800	75.0	65.5	21,600	80.0	65.2	19,100	85.0	64.9	17,100
75.0	61.9	21,800	80.0	61.8	19,800	80.0	63.6	19,600	85.0	63.4	17,600	90.0	63.2	15,600
80.0	59.7	19,800	85.0	59.7	18,200	85.0	61.7	17,800	90.0	61.6	16,000	95.0	61.5	14,300
85.0	57.5	18,000	90.0	57.6	16,700	90.0	59.8	16,300	95.0	59.8	14,700	100.0	59.8	13,200
90.0	55.2	16,700	95.0	55.5	15,400	95.0	57.8	14,900	100.0	57.9	13,400	105.0	58.0	12,100
95.0	52.8	15,400	100.0	53.3	14,100	100.0	55.8	13,800	105.0	56.0	12,300	110.0	56.2	11,000
100.0	50.4	14,100	105.0	51.0	13,200	105.0	53.7	12,700	110.0	54.1	11,400	115.0	54.4	10,100
105.0	47.8	13,200	110.0	48.6	12,100	110.0	51.6	11,600	115.0	52.1	10,500	120.0	52.5	9,400
110.0	45.2	12,100	115.0	46.2	11,200	115.0	49.4	11,000	120.0	50.0	9,900	125.0	50.6	8,800
115.0	42.4	11,200	120.0	43.7	10,500	120.0	47.1	10,100	125.0	47.9	9,000	130.0	48.6	7,900
120.0	39.5	10,500	125.0	41.0	9,700	125.0	44.7	9,400	130.0	45.7	8,300	135.0	46.5	7,200
125.0	36.3	9,900	130.0	38.1	9,200	130.0	42.3	8,800	135.0	43.4	7,700	140.0	44.4	6,800
130.0	32.9	9,200	135.0	35.1	8,500	135.0	39.7	8,100	140.0	41.0	7,200	145.0	42.2	6,100
			140.0	31.8	7,900	140.0	37.0	7,400	145.0	38.5	6,600	150.0	39.9	5,700
						150.0	30.9	6,600	155.0	33.0	5,700	160.0	37.4	5,200
									160.0	30.0	5,200	165.0	32.1	4,400
Reeves		4	Reeves		3	Reeves		3	Reeves		3	Reeves		3
200' Boom			210' Boom			220' Boom			230' 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)			
34.4	81.4	50,000 *	35.9	81.4	50,000 *	37.4	81.4	48,200 *	38.9	81.4	43,200 *			
36.0	80.9	50,000 *	36.0	81.4	50,000 *	38.0	81.2	47,800 *	40.0	81.1	42,700 *			
38.0	80.4	50,000 *	38.0	80.8	50,000 *	40.0	80.7	46,700 *	45.0	79.9	40,100 *			
40.0	79.8	50,000 *	40.0	80.3	50,000 *	45.0	79.4	43,400	50.0	78.6	37,000			
45.0	78.3	44,000	45.0	78.9	43,800	50.0	78.1	37,400	55.0	77.3	32,100			
50.0	76.8	37,900	50.0	77.5	37,600	55.0	76.7	32,600	60.0	76.0	28,400			
55.0	75.4	33,000	55.0	76.1	32,800	60.0	75.4	28,600	65.0	74.7	25,100			
60.0	73.9	29,300	60.0	74.7	28,800	65.0	74.0	25,300	70.0	73.4	22,200			
65.0	72.4	26,000	65.0	73.2	25,700	70.0	72.7	22,700	75.0	72.1	20,000			
70.0	70.9	23,300	70.0	71.8	22,900	75.0	71.3	20,200	80.0	70.8	18,000			
75.0	69.3	20,900	75.0	70.4	20,700	80.0	69.9	18,200	85.0	69.5	16,300			
80.0	67.8	18,900	80.0	68.9	18,700	85.0	68.5	16,700	90.0	68.2	14,700			
85.0	66.2	17,100	85.0	67.4	16,900	90.0	67.1	15,200	95.0	66.8	13,400			
90.0	64.7	15,600	90.0	66.0	15,400	95.0	65.7	13,800	100.0	65.4	12,300			
95.0	63.1	14,300	95.0	64.4	14,100	100.0	64.2	12,500	105.0	64.1	11,200			
100.0	61.4	13,200	100.0	62.9	12,700	105.0	62.8	11,400	110.0	62.7	10,100			
105.0	59.8	12,100	105.0	61.4	11,900	110.0	61.3	10,500	115.0	61.3	9,200			
110.0	58.1	11,200	110.0	59.8	10,800	115.0	59.8	9,700	120.0	59.8	8,300			
115.0	56.4	10,300	115.0	58.2	9,900	120.0	58.3	8,800	125.0	58.4	7,400			
120.0	54.7	9,400	120.0	56.6	9,000	125.0	56.7	7,900	130.0	56.9	6,800			
125.0	52.9	8,800	125.0	54.9	8,300	130.0	55.2	7,200	135.0	55.4	6,100			
130.0	51.1	7,900	130.0	53.2	7,700	135.0	53.6	6,600	140.0	53.9	5,500			
135.0	49.2	7,200	135.0	51.5	6,800	140.0	51.9	5,900	145.0	52.3	4,800			
140.0	47.3	6,800	140.0	49.7	6,300	145.0	50.2	5,200	150.0	50.7	4,400			
145.0	45.3	6,100	145.0	47.9	5,700	150.0	48.5	4,800	155.0	49.1	3,900			
150.0	43.2	5,700	150.0	46.1	5,200	155.0	46.8	4,400	160.0	47.4	3,500			
155.0	41.1	5,000	155.0	44.1	4,600	160.0	44.9	3,900						
160.0	38.8	4,600	160.0	42.1	4,100	165.0	43.0	3,500						
165.0	36.5	4,100	165.0	40.0	3,700									
170.0	34.0	3,900	170.0	37.8	3,500									
175.0	31.3	3,500												
Reeves		2	Reeves		2	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: 76,300 lbs, Carbody weight: 14,300 lbs

90' Boom

Load Radius (ft)	30 ft Jib				40 ft Jib				50 ft Jib				60 ft Jib				70 ft Jib				Load Radius (ft)	
	Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)					
	10	30	10	30	10	30	10	30	10	30	10	30	10	30	10	30	10	30				
	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)		
30	79.9	24,000*																		30		
32	78.9	24,000*																		32		
34	77.9	24,000*			79.6	24,000*														34		
36	76.9	24,000*			78.7	24,000*														36		
38	75.9	24,000*			77.8	24,000*			79.4	20,000*										38		
40	74.9	24,000*	79.4	21,000*	76.9	24,000*			78.5	20,000*										40		
45	72.4	24,000*	76.8	21,000*	74.6	24,000*			76.4	20,000*			78.0	18,000*			79.4	15,700*		45		
50	69.9	24,000*	74.2	21,000*	72.3	24,000*	77.7	15,400*	74.3	20,000*			76.0	18,000*			77.6	15,400*		50		
55	67.3	24,000*	71.5	21,000*	69.9	24,000*	75.2	15,400*	72.1	20,000*	78.5	11,400*	74.0	18,000*			75.7	15,100*		55		
60	64.7	24,000*	68.8	21,000*	67.5	24,000*	72.8	15,400*	69.9	20,000*	76.2	11,400*	72.0	18,000*	79.2	9,200*	73.8	14,800*		60		
65	61.9	24,000*	66.0	21,000*	65.0	24,000*	70.2	15,400*	67.7	20,000*	73.9	11,400*	69.9	17,900*	77.0	9,200*	71.9	14,500*	79.8	8,100*	65	
70	59.1	24,000*	63.1	20,400*	62.5	23,300*	67.6	15,100*	65.4	19,200*	71.5	11,400*	67.8	16,600*	74.8	9,200*	69.9	14,300*	77.8	8,100*	70	
75	56.3	23,900	60.1	19,600*	60.0	21,800*	65.0	14,400*	63.0	17,900*	69.1	11,400*	65.7	15,500*	72.6	9,200*	67.9	13,900*	75.7	8,100*	75	
80	53.3	21,900	57.0	18,900*	57.3	20,500	62.2	13,900*	60.7	16,800	66.6	11,200*	63.5	14,500	70.4	9,200*	65.9	13,000	73.6	8,100*	80	
85	50.1	20,200	53.7	18,300	54.6	19,400	59.3	13,500*	58.2	15,900	64.0	10,800*	61.3	13,700	68.0	9,100*	63.9	12,200	71.5	7,900*	85	
90	46.8	18,700			51.7	18,400	56.3	13,100*	55.7	15,100	61.4	10,400*	59.0	13,000	65.6	8,700*	61.8	11,500	69.3	7,600*	90	
95	43.3	17,300			48.7	17,400	53.2	12,700*	53.0	14,300	58.6	10,100*	56.6	12,300	63.2	8,400*	59.7	10,900	67.1	7,200*	95	
100	39.6	16,100			45.6	16,400			50.3	13,600	55.7	9,800*	54.2	11,700	60.6	8,100*	57.5	10,300	64.8	7,000*	100	
105	35.4	15,100			42.2	15,300			47.4	13,000	52.7	9,500*	51.7	11,100	58.0	7,900*	55.2	9,800	62.4	6,800*	105	
110	30.8	14,100			38.6	14,300			44.4	12,400			49.0	10,600	55.2	7,700*	52.9	9,400	59.9	6,500*	110	
115					34.6	13,400			41.2	11,900			46.3	10,100	52.2	7,500*	50.4	8,900	57.3	6,300*	115	
120									37.7	11,500			43.4	9,700			47.9	8,500	54.6	6,200*	120	
125									33.9	11,100			40.3	9,400			45.2	8,200	51.8	6,000*	125	
130													36.9	9,000			42.4	7,900			130	
135													33.3	8,700			39.4	7,600			135	
140																	36.2	7,300			140	
145																	32.6	7,100			145	
Reeves	1		1		1		1		1		1		1		1		1		1		1	Reeves

100' Boom

Load Radius (ft)	30 ft Jib				40 ft Jib				50 ft Jib				60 ft Jib				70 ft Jib				Load Radius (ft)	
	Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)					
	10	30	10	30	10	30	10	30	10	30	10	30	10	30	10	30	10	30				
	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)		
32	79.8	24,000*																			32	
34	78.9	24,000*																			34	
36	77.9	24,000*			79.5	24,000*															36	
38	77.0	24,000*			78.7	24,000*															38	
40	76.1	24,000*			77.8	24,000*			79.3	20,000*											40	
45	73.8	24,000*	77.9	21,000*	75.7	24,000*			77.4	20,000*			78.8	18,000*			80.0	15,800*			45	
50	71.5	24,000*	75.5	21,000*	73.6	24,000*	78.6	15,400*	75.4	20,000*			76.9	18,000*			78.3	15,500*			50	
55	69.2	24,000*	73.1	21,000*	71.4	24,000*	76.4	15,400*	73.4	20,000*	79.3	11,400*	75.1	18,000*			76.6	15,200*			55	
60	66.8	24,000*	70.6	21,000*	69.2	24,000*	74.1	15,400*	71.3	20,000*	77.2	11,400*	73.2	18,000*			74.8	14,900*			60	
65	64.3	24,000*	68.1	21,000*	67.0	24,000*	71.8	15,400*	69.3	20,000*	75.1	11,400*	71.2	18,000*	77.9	9,200*	73.0	14,600*			65	
70	61.8	24,000*	65.5	21,000*	64.7	24,000*	69.5	15,400*	67.2	20,000*	72.9	11,400*	69.3	17,500*	75.9	9,200*	71.2	14,400*	78.6	8,100*	70	
75	59.2	23,600	62.8	20,300*	62.4	23,100	67.0	14,900*	65.0	18,900*	70.7	11,400*	67.3	16,300*	73.9	9,200*	69.3	14,200*	76.7	8,100*	75	
80	56.6	21,600	60.1	19,600*	60.0	21,800	64.6	14,300*	62.8	17,800	68.4	11,400*	65.3	15,300	71.8	9,200*	67.5	13,600	74.7	8,100*	80	
85	53.8	19,900	57.3	19,000	57.5	20,200	62.0	13,900*	60.6	16,800	66.1	11,100*	63.3	14,400	69.6	9,200*	65.6	12,800	72.8	8,000*	85	
90	51.0	18,400	54.3	18,400	55.0	18,700	59.4	13,500*	58.3	15,900	63.7	10,700*	61.2	13,700	67.5	8,900*	63.7	12,100	70.8	7,700*	90	
95	48.0	17,000	51.2	17,300	52.3	17,200	56.6	13,100*	56.0	15,100	61.3	10,400*	59.0	12,900	65.2	8,600*	61.7	11,400	68.7	7,400*	95	
100	44.8	15,800			49.6	16,000	53.8	12,700*	53.5	14,400	58.7	10,100*	56.8	12,300	62.9	8,400*	59.7	10,900	66.6	7,200*	100	
105	41.5	14,800			46.8	15,000			51.0	13,700	56.1	9,800*	54.6	11,700	60.6	8,100*	57.6	10,300	64.4	6,900*	105	
110	37.9	13,800			43.7	14,000			48.4	13,200	53.3	9,600*	52.2	11,200	58.1	7,900*	55.5	9,900	62.2	6,700*	110	
115	33.9	12,900			40.5	13,100			45.6	12,600			49.8	10,700	55.5	7,700*	53.3	9,400	59.9	6,500*	115	
120					37.1	12,300			42.7	12,100			47.3	10,300	52.9	7,500*	51.1	9,000	57.5	6,300*	120	
125					33.2	11,600			39.6	11,700			44.6	9,900			48.7	8,600	55.0	6,200*	125	
130									36.3	11,100			41.8	9,500			46.3	8,300	52.4	6,000*	130	
135									32.6	10,400			38.8	9,200			43.7	8,000			135	
140													35.6	8,900			41.0	7,700			140	
145													32.0	8,600			38.1	7,400			145	
150																	35.0	7,200			150	
155																	31.5	7,000			155	
Reeves	1		1		1		1		1		1		1		1		1		1		1	Reeves

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: 76,300 lbs, Carbody weight: 14,300 lbs

110' Boom

Load Radius (ft)	30 ft Jib				40 ft Jib				50 ft Jib				60 ft Jib				70 ft Jib				Load Radius (ft)	
	Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)					
	10		30		10		30		10		30		10		30		10		30			
	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)		
34	79.7	24,000*																			34	
36	78.8	24,000*																				36
38	78.0	24,000*			79.5	24,000*																38
40	77.1	24,000*			78.7	24,000*																40
45	75.0	24,000*	78.8	21,000*	76.7	24,000*			78.2	20,000*				79.5	18,000*							45
50	72.9	24,000*	76.6	21,000*	74.7	24,000*	79.4	15,400*	76.3	20,000*				77.7	18,000*			79.0	15,600*			50
55	70.7	24,000*	74.4	21,000*	72.7	24,000*	77.4	15,400*	74.4	20,000*				76.0	18,000*			77.3	15,300*			55
60	68.5	24,000*	72.1	21,000*	70.7	24,000*	75.3	15,400*	72.6	20,000*				74.2	18,000*			75.7	15,000*			60
65	66.3	24,000*	69.8	21,000*	68.6	24,000*	73.2	15,400*	70.6	20,000*	78.1	11,400*				78.7	9,200*	74.0	14,800*			65
70	64.0	24,000*	67.5	21,000*	66.5	24,000*	71.0	15,400*	68.7	20,000*	74.1	11,400*	70.6	18,000*	76.8	9,200*	72.3	14,500*	79.3	8,100*	70	
75	61.7	23,300	65.1	20,900*	64.4	23,600	68.8	15,200*	66.7	19,800	72.1	11,400*	68.8	17,000*	74.9	9,200*	70.6	14,300*	77.5	8,100*	75	
80	59.3	21,300	62.6	20,200*	62.2	21,600	66.5	14,700*	64.7	18,700	70.0	11,400*	66.9	16,000*	73.0	9,200*	68.8	14,100	75.7	8,100*	80	
85	56.8	19,600	60.1	19,500	60.0	19,900	64.2	14,300*	62.7	17,700	67.9	11,300*	65.0	15,100	71.0	9,200*	67.1	13,400	73.9	8,100*	85	
90	54.3	18,100	57.5	18,400	57.7	18,300	61.9	13,800*	60.6	16,700	65.7	11,000*	63.1	14,300	69.0	9,200*	65.3	12,700	72.0	7,900*	90	
95	51.7	16,600	54.8	17,000	55.3	16,900	59.4	13,400*	58.4	15,900	63.5	10,600*	61.1	13,600	67.0	8,900*	63.4	12,000	70.1	7,600*	95	
100	48.9	15,500	51.9	15,700	52.9	15,700	56.9	13,100*	56.2	15,100	61.2	10,300*	59.1	12,900	64.9	8,600*	61.6	11,400	68.2	7,400*	100	
105	46.1	14,400			50.4	14,600	54.3	12,800	54.0	14,500	58.8	10,000*	57.0	12,300	62.7	8,300*	59.7	10,900	66.2	7,100*	105	
110	43.1	13,400			47.8	13,700			51.6	13,900	56.4	9,800*	54.9	11,800	60.5	8,100*	57.8	10,400	64.2	6,900*	110	
115	39.9	12,500			45.0	12,700			49.2	12,900	53.8	9,600*	52.7	11,300	58.2	7,900*	55.8	9,900	62.1	6,700*	115	
120	36.4	11,700			42.1	11,900			46.7	12,100			50.5	10,800	55.9	7,700*	53.7	9,500	59.9	6,500*	120	
125	32.6	11,000			39.0	11,200			44.0	11,400			48.1	10,400	53.4	7,500*	51.6	9,100	57.7	6,300*	125	
130					35.7	10,600			41.2	10,700			45.7	10,000			49.4	8,700	55.4	6,200*	130	
135					32.0	10,000			38.2	10,100			43.1	9,700			47.2	8,400	53.0	6,000*	135	
140									35.0	9,500			40.4	9,300			44.8	8,100			140	
145									31.5	9,000			37.5	9,100			42.3	7,800			145	
150													34.4	8,600			39.7	7,600			150	
155													31.0	8,100			36.9	7,300			155	
160																	33.8	7,100			160	
165																	30.5	6,900			165	
Reeves	1		1		1		1		1		1		1		1		1		1		Reeves	

120' Boom

Load Radius (ft)	30 ft Jib				40 ft Jib				50 ft Jib				60 ft Jib				70 ft Jib				Load Radius (ft)	
	Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)					
	10		30		10		30		10		30		10		30		10		30			
	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)		
36	79.6	24,000*																				36
38	78.8	24,000*																				38
40	78.0	24,000*			79.4	24,000*																40
45	76.1	24,000*	79.6	21,000*	77.6	24,000*			78.9	20,000*												45
50	74.1	24,000*	77.5	21,000*	75.7	24,000*			77.1	20,000*				78.4	18,000*			79.6	15,700*			50
55	72.1	24,000*	75.5	21,000*	73.8	24,000*	78.2	15,400*	75.4	20,000*				76.8	18,000*			78.0	15,400*			55
60	70.0	24,000*	73.4	21,000*	71.9	24,000*	76.3	15,400*	73.6	20,000*	78.8	11,400*		75.1	18,000*			76.4	15,100*			60
65	68.0	24,000*	71.3	21,000*	70.0	24,000*	74.3	15,400*	71.8	20,000*	77.0	11,400*	73.4	18,000*	79.4	9,200*	74.9	14,900*			65	
70	65.9	24,000*	69.2	21,000*	68.1	24,000*	72.3	15,400*	70.0	20,000*	75.1	11,400*	71.7	18,000*	77.6	9,200*	73.3	14,700*			70	
75	63.7	23,100	67.0	21,000*	66.1	23,400	70.3	15,400*	68.2	20,000*	73.2	11,400*	70.0	17,800	75.9	9,200*	71.7	14,400	78.2	8,100*	75	
80	61.6	21,100	64.7	20,800*	64.1	21,400	68.2	15,100*	66.3	19,500	71.3	11,400*	68.3	16,700	74.1	9,200*	70.0	14,200	76.5	8,100*	80	
85	59.3	19,400	62.4	19,900	62.1	19,700	66.1	14,600*	64.4	18,500	69.4	11,400*	66.5	15,800	72.2	9,200*	68.4	14,000	74.8	8,100*	85	
90	57.0	17,900	60.1	18,300	60.0	18,200	64.0	14,200*	62.5	17,600	67.4	11,200*	64.7	15,000	70.4	9,200*	66.7	13,300	73.1	8,100*	90	
95	54.7	16,500	57.7	16,800	57.8	16,700	61.7	13,800*	60.5	16,700	65.3	10,900*	62.9	14,200	68.5	9,100*	65.0	12,500	71.3	7,800*	95	
100	52.3	15,300	55.2	15,600	55.6	15,500	59.5	13,400*	58.5	15,700	63.2	10,600*	61.0	13,500	66.6	8,800*	63.3	11,900	69.5	7,500*	100	
105	49.7	14,200	52.6	14,500	53.4	14,500	57.1	13,100	56.5	14,700	61.1	10,300*	59.2	12,900	64.6	8,500*	61.5	11,400	67.7	7,300*	105	
110	47.1	13,300			51.0	13,500	54.7	12,800	54.4	13,700	58.9	10,000*	57.2	12,400	62.6	8,300*	59.7	10,900	65.8	7,000*	110	
115	44.4	12,300			48.6	12,600	52.2	12,500	52.2	12,700	56.6	9,800*	55.2	11,800	60.5	8,100*	57.9	10,400	63.9	6,900*	115	
120	41.5	11,600			46.1	11,800			49.9	11,900	54.3	9,600*	53.2	11,300	58.4	7,900*	56.0	9,900	61.9	6,700*	120	
125	38.4	10,800			43.4	11,000			47.6	11,200	51.8	9,400*	51.1	10,900	56.1	7,700*	54.1	9,500	59.9	6,500*	125	
130	35.1	10,200			40.6	10,400			45.1	10,500			48.9	10,500	53.8	7,500*	52.1	9,200	57.8	6,300*	130	
135	31.4	9,600			37.7	9,800			42.6	9,900			46.6	10,000	51.4	7,400*	50.1	8,800	55.7	6,200*	135	
140					34.4	9,200			39.9	9,300			44.3	9,400			47.9	8,500	53.5	6,000*	140	
145									37.0	8,800			41.8	8,900			45.7	8,200	51.1	5,900*	145	
150									33.8	8,300			39.2	8,400			43.5	7,900			150	
155													36.3	7,900			41.0	7,700			155	
160													33.3	7,500			38.5	7,400			160	
165																	35.8	7,200			165	
170																	32.8	6,800			170	
Reeves	1		1		1		1		1		1		1		1		1		1		Reeves	

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: 76,300 lbs, Carbody weight: 14,300 lbs

150' Boom

Load Radius (ft)	30 ft Jib				40 ft Jib				50 ft Jib				60 ft Jib				70 ft Jib				Load Radius (ft)
	Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)				
	10		30		10		30		10		30		10		30		10		30		
	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	
45	78.4	24,000*			79.6	24,000*															45
50	76.8	24,000*	79.7	21,000*	78.0	24,000*			79.1	20,000*											50
55	75.1	24,000*	78.0	21,000*	76.5	24,000*			77.6	20,000*											55
60	73.5	24,000*	76.3	21,000*	74.9	24,000*	78.6	15,400*	76.2	20,000*											60
65	71.8	24,000*	74.6	21,000*	73.3	24,000*	77.0	15,400*	74.7	20,000*											65
70	70.1	24,000*	72.9	21,000*	71.7	24,000*	75.3	15,400*	73.2	20,000*	77.5	11,400*	74.5	18,000*	79.5	9,200*	75.6	14,900*			70
75	68.4	22,200	71.2	21,000*	70.1	22,500	73.7	15,400*	71.6	20,000	76.0	11,400*	73.0	18,000*	78.1	9,200*	74.3	14,700	80.0	8,100*	75
80	66.7	20,200	69.4	20,800	68.5	20,500	72.0	15,400*	70.1	20,000	74.4	11,400*	71.6	18,000*	76.6	9,200*	72.9	14,500	78.5	8,100*	80
85	64.9	18,400	67.6	19,000	66.8	18,800	70.3	15,400*	68.5	19,000	72.8	11,400*	70.1	17,800	75.1	9,200*	71.5	14,300	77.1	8,100*	85
90	63.1	16,900	65.8	17,500	65.2	17,200	68.6	15,100*	67.0	17,500	71.2	11,400*	68.6	16,900	73.5	9,200*	70.1	14,200	75.7	8,100*	90
95	61.3	15,500	63.9	16,000	63.5	15,800	66.9	14,700*	65.4	16,000	69.5	11,400*	67.1	16,000	72.0	9,200*	68.7	14,000	74.2	8,100*	95
100	59.4	14,300	62.0	14,700	61.7	14,600	65.1	14,300	63.8	14,800	67.9	11,300*	65.6	15,000	70.4	9,200*	67.2	13,400	72.7	7,900*	100
105	57.5	13,200	60.1	13,600	60.0	13,500	63.3	14,000	62.1	13,700	66.2	11,000*	64.0	13,900	68.8	9,000*	65.8	12,800	71.2	7,700*	105
110	55.6	12,300	58.1	12,600	58.2	12,500	61.4	13,000	60.5	12,700	64.5	10,700*	62.5	12,900	67.2	8,800*	64.3	12,300	69.7	7,500*	110
115	53.6	11,300	56.1	11,700	56.4	11,600	59.6	12,100	58.8	11,800	62.7	10,400*	60.9	11,900	65.6	8,600*	62.8	11,700	68.1	7,300*	115
120	51.6	10,500	54.0	10,800	54.5	10,800	57.6	11,200	57.0	11,000	60.9	10,200*	59.3	11,100	63.9	8,400*	61.3	11,200	66.6	7,100*	120
125	49.5	9,800	51.8	10,100	52.6	10,000	55.6	10,400	55.2	10,200	59.1	10,000	57.6	10,400	62.2	8,200*	59.8	10,500	65.0	6,900*	125
130	47.3	9,100			50.6	9,400	53.6	9,700	53.4	9,500	57.2	9,800	55.9	9,700	60.4	8,000*	58.2	9,800	63.3	6,700*	130
135	45.0	8,500			48.5	8,700			51.6	8,900	55.3	9,400	54.2	9,100	58.6	7,800*	56.6	9,200	61.6	6,600*	135
140	42.7	7,900			46.4	8,100			49.7	8,300	53.3	8,700	52.5	8,400	56.8	7,700	54.9	8,500	59.9	6,400	140
145	40.2	7,400			44.2	7,600			47.7	7,800			50.7	7,900	54.9	7,500	53.3	8,000	58.2	6,300	145
150	37.6	6,900			42.0	7,100			45.6	7,300			48.8	7,400	52.9	7,400	51.6	7,500	56.4	6,200	150
155	34.8	6,500			39.5	6,700			43.5	6,800			46.9	6,900			49.8	7,000	54.5	6,100	155
160	31.8	6,000			37.0	6,200			41.3	6,400			44.9	6,500			48.0	6,600	52.6	5,900	160
165					34.3	5,800			38.9	6,000			42.8	6,100			46.1	6,200	50.6	5,800	165
170									36.4	5,500			40.6	5,700			44.2	5,800			170
175									33.8	5,100			38.3	5,300			42.1	5,400			175
180													35.9	4,900			40.0	5,000			180
185													33.3	4,500			37.8	4,600			185
190																	35.4	4,200			190
195																	32.9	3,900			195
Reeves	1		1		1		1		1		1		1		1		1		1		Reeves

160' Boom

Load Radius (ft)	30 ft Jib				40 ft Jib				50 ft Jib				60 ft Jib				70 ft Jib				Load Radius (ft)
	Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)				
	10		30		10		30		10		30		10		30		10		30		
	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	
45	79.0	24,000*			78.6	24,000*			79.6	20,000*											45
50	77.5	24,000*			77.7	24,000*			78.2	20,000*											50
55	75.9	24,000*	78.7	21,000*	77.1	24,000*			75.4	20,000*											55
60	74.4	24,000*	77.1	21,000*	75.7	24,000*	79.2	15,400*	76.8	20,000*											60
65	72.8	24,000*	75.5	21,000*	74.2	24,000*	77.7	15,400*	75.4	20,000*											65
70	71.2	24,000*	73.9	21,000*	72.7	24,000*	76.1	15,400*	74.0	20,000*	78.2	11,400*	75.2	18,000*	78.6	9,200*	76.3	15,000*			70
75	69.6	22,100	72.2	21,000*	71.1	22,400	74.6	15,400*	72.5	20,000*	76.7	11,400*	73.8	18,000*	75.0	9,200*	73.7	14,800	79.1	8,100*	75
80	68.0	20,100	70.6	20,800	69.6	20,400	73.0	15,400*	71.1	20,000*	75.2	11,400*	72.4	18,000*	77.2	9,200*	72.3	14,600	77.7	8,100*	80
85	66.3	18,300	68.9	19,000	68.1	18,700	71.4	15,400*	69.6	18,900	73.7	11,400*	71.1	18,000*	75.8	9,200*	72.3	14,400	77.7	8,100*	85
90	64.6	16,800	67.2	17,400	66.5	17,100	69.8	15,400*	68.1	17,400	72.2	11,400*	69.6	17,500	74.3	9,200*	71.0	14,300	76.3	8,100*	90
95	62.9	15,400	65.5	15,900	64.9	15,700	68.2	15,000*	66.6	15,900	70.6	11,400*	68.2	16,100	72.9	9,200*	69.7	14,100	75.0	8,100*	95
100	61.2	14,200	63.7	14,700	63.3	14,500	66.5	14,600	65.1	14,700	69.1	11,400*	66.8	14,900	71.4	9,200*	68.3	13,900	73.5	8,000*	100
105	59.5	13,100	61.9	13,600	61.6	13,400	64.8	14,000	63.6	13,600	67.5	11,200*	65.3	13,800	69.9	9,200*	66.9	13,300	72.1	7,800*	105
110	57.7	12,100	60.1	12,500	60.0	12,400	63.1	12,900	62.0	12,600	65.9	10,900*	63.9	12,800	68.4	9,000*	65.5	12,700	70.7	7,600*	110
115	55.8	11,200	58.2	11,600	58.3	11,500	61.4	11,900	60.4	11,700	64.2	10,600*	62.4	11,800	66.8	8,700*	64.1	11,900	69.2	7,400*	115
120	54.0	10,400	56.3	10,700	56.5	10,600	59.6	11,100	58.8	10,800	62.6	10,400*	60.9	11,000	65.3	8,500*	62.7	11,100	67.7	7,200*	120
125	52.1	9,700	54.3	10,000	54.8	9,900	57.8	10,300	57.2	10,100	60.9	10,200	59.3	10,200	63.7	8,300*	61.2	10,400	66.2	7,000*	125
130	50.1	9,000	52.3	9,300	53.0	9,200	55.9	9,600	55.5	9,400	59.1	9,900	57.7	9,600	62.1	8,200*	59.8	9,700	64.7	6,900*	130
135	48.0	8,400			51.1	8,600	54.0	9,000	53.8	8,800	57.3	9,300	56.1	8,900	60.4	8,000*	58.3	9,000	63.2	6,700*	135
140	45.9	7,800			49.2	8,000	52.0	8,300	52.0	8,200	55.5	8,600	54.5	8,300	58.7	7,800	56.7	8,400	61.6	6,500	140
145	43.7	7,300			47.2	7,500			50.2	7,600	53.6	8,000	52.8	7,800	57.0	7,700	55.2	7,900	59.9	6,400	145
150	41.5	6,800			45.2	7,000			48.3	7,100	51.7	7,500	51.1	7,300	55.2	7,500	53.6	7,400	58.3	6,300	150
155	39.1	6,300			43.0	6,500			46.4	6,700			49.4	6,800	53.3	7,200	52.0	6,900	56.6	6,200	155
160	36.5	5,800			40.8	6,100			44.4	6,200			47.5	6,300	51.4	6,700	50.3	6,400	54.8	6,100	160
165	33.8	5,400			38.5	5,600			42.3	5,800			45.7	5,900			48.6	6,000	53.0	5,900	165
170	30.9	4,900			36.0	5,100			40.2	5,300			43.7	5,500			46.8	5,600	51.2	5,900	170
175					33.3	4,700			37.9	4,900			41.7	5,100			45.0	5,200			175
180									35.5	4,500			39.6	4,600			43.1				

LIFTING CAPACITY



Fixed Jib Lifting Capacity

Unit: lbs

Counterweight: 76,300 lbs, Carbody weight: 14,300 lbs

Load Radius (ft)		170' Boom																				Load Radius (ft)
		30 ft Jib				40 ft Jib				50 ft Jib				60 ft Jib				70 ft Jib				
		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)				
		10	30	10	30	10	30	10	30	10	30	10	30	10	30	10	30	10	30			
Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	
45	79.6	24,000*																				45
50	78.1	24,000*			79.2	24,000*																50
55	76.7	24,000*	79.3	21,000*	77.8	24,000*			78.8	20,000*				79.7	18,000*							55
60	75.2	24,000*	77.8	21,000*	76.4	24,000*	79.7	15,400*	77.4	20,000*				78.4	18,000*			79.3	15,500*			60
65	73.7	24,000*	76.3	21,000*	74.9	24,000*	78.3	15,400*	76.1	20,000*				77.1	18,000*			78.1	15,300*			65
70	72.2	24,000*	74.7	21,000*	73.5	24,000*	76.8	15,400*	74.7	20,000*	78.7	11,400*		75.9	18,000*			76.9	15,100*			70
75	70.7	21,700	73.2	21,000*	72.1	22,100	75.4	15,400*	73.4	20,000*	77.3	11,400*		74.5	18,000*	79.2	9,200*	75.6	14,900	80.9	8,100*	75
80	69.1	19,700	71.6	20,500	70.6	20,100	73.9	15,400*	72.0	20,000*	75.9	11,400*		73.2	18,000*	77.8	9,200*	74.4	14,700	79.6	8,100*	80
85	67.6	18,000	70.0	18,700	69.2	18,300	72.4	15,400*	70.6	18,600	74.5	11,400*		71.9	18,000*	76.5	9,200*	73.1	14,500	78.3	8,100*	85
90	66.0	16,500	68.4	17,100	67.7	16,800	70.9	15,400*	69.2	17,000	73.1	11,400*		70.6	17,200	75.1	9,200*	71.8	14,300	77.0	8,100*	90
95	64.4	15,000	66.8	15,600	66.2	15,300	69.3	15,200*	67.8	15,600	71.6	11,400*		69.2	15,800	73.7	9,200*	70.6	14,200	75.6	8,100*	95
100	62.8	13,800	65.2	14,300	64.7	14,100	67.8	14,800	66.3	14,400	70.1	11,400*		67.9	14,500	72.3	9,200*	69.3	14,000	74.3	8,100*	100
105	61.2	12,800	63.5	13,200	63.1	13,000	66.2	13,700	64.9	13,300	68.6	11,300*		66.5	13,400	70.9	9,200*	68.0	13,600	73.0	7,900*	105
110	59.5	11,800	61.8	12,200	61.6	12,100	64.6	12,600	63.4	12,300	67.1	11,100*		65.1	12,500	69.5	9,100*	66.6	12,600	71.6	7,700*	110
115	57.8	10,900	60.1	11,200	60.0	11,100	63.0	11,700	61.9	11,300	65.6	10,800*		63.7	11,500	68.0	8,900*	65.3	11,600	70.2	7,500*	115
120	56.1	10,000	58.3	10,400	58.4	10,300	61.3	10,800	60.4	10,500	64.0	10,600	62.3	10,700	66.5	8,700*	63.9	10,800	68.8	7,300*	120	
125	54.3	9,300	56.5	9,700	56.7	9,600	59.6	10,000	58.9	9,800	62.4	10,400	60.8	9,900	65.0	8,500*	62.6	10,000	67.4	7,100*	125	
130	52.5	8,700	54.6	8,900	55.0	8,900	57.9	9,300	57.3	9,100	60.8	9,600	59.3	9,200	63.5	8,300*	61.2	9,300	66.0	7,000*	130	
135	50.6	8,000	52.7	8,300	53.3	8,300	56.1	8,700	55.7	8,400	59.2	9,000	57.8	8,600	62.0	8,100*	59.8	8,700	64.5	6,800*	135	
140	48.7	7,400			51.6	7,600	54.3	8,000	54.1	7,800	57.5	8,300	56.3	8,000	60.4	8,000	58.3	8,100	63.0	6,700	140	
145	46.7	6,900			49.7	7,100	52.4	7,400	52.4	7,300	55.7	7,700	54.8	7,400	58.8	7,800	56.9	7,500	61.5	6,500	145	
150	44.7	6,400			47.9	6,600			50.7	6,800	54.0	7,200	53.2	6,900	57.1	7,400	55.4	7,000	59.9	6,400	150	
155	42.6	5,800			46.0	6,100			48.9	6,300	52.1	6,700	51.5	6,500	55.4	6,900	53.9	6,600	58.4	6,300	155	
160	40.3	5,300			44.0	5,500			47.1	5,800			49.9	5,900	53.7	6,400	52.3	6,100	56.7	6,100	160	
165	38.0	4,800			41.9	5,100			45.2	5,300			48.2	5,500	51.9	6,000	50.7	5,600	55.1	6,100	165	
170	35.5	4,400			39.7	4,600			43.3	4,800			46.4	5,000			49.1	5,100	53.4	5,800	170	
175	32.9	4,000			37.5	4,200			41.3	4,400			44.6	4,600			47.4	4,700	51.6	5,300	175	
180					35.1	3,800			39.2	4,000			42.7	4,200			45.7	4,300			180	
185					32.5	3,400			36.9	3,600			40.7	3,800			43.9	3,900			185	
190									34.6	3,300			38.6	3,400			42.1	3,500			190	
Reeves	1		1		1		1		1		1		1		1		1		1		1	Reeves

Load Radius (ft)		180' Boom																				Load Radius (ft)	
		30 ft Jib				40 ft Jib				50 ft Jib				60 ft Jib				70 ft Jib					
		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)					
		10	30	10	30	10	30	10	30	10	30	10	30	10	30	10	30	10	30				
Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)
50	78.7	24,000*			79.7	24,000*																	50
55	77.3	24,000*	79.8	21,000*	78.3	24,000*			79.3	20,000*													55
60	75.9	24,000*	78.4	21,000*	77.0	24,000*			78.0	20,000*				78.9	18,000*			79.8	15,600*				60
65	74.5	24,000*	77.0	21,000*	75.7	24,000*	78.8	15,400*	76.7	20,000*				77.7	18,000*			78.6	15,400*				65
70	73.1	23,900	75.5	21,000*	74.3	24,000*	77.5	15,400*	75.4	20,000*				76.5	18,000*			77.4	15,200*				70
75	71.6	21,400	74.0	21,000*	72.9	21,800	76.1	15,400*	74.1	20,000*	77.9	11,400*		75.2	18,000*	79.7	9,200*	76.2	15,000				75
80	70.2	19,500	72.6	20,200	71.6	19,800	74.7	15,400*	72.8	20,000*	76.6	11,400*		74.0	18,000*	78.4	9,200*	75.0	14,800	80.0	8,100*	80	
85	68.7	17,700	71.1	18,400	70.2	18,000	73.2	15,400*	71.5	18,300	75.2	11,400*		72.7	18,000*	77.1	9,200*	73.8	14,600	78.8	8,100*	85	
90	67.2	16,200	69.6	16,800	68.8	16,500	71.8	15,400*	70.2	16,800	73.9	11,400*		71.4	17,000	75.8	9,200*	72.6	14,400	77.5	8,100*	90	
95	65.7	14,700	68.0	15,400	67.3	15,100	70.4	15,400*	68.8	15,300	72.5	11,400*		70.2	15,500	74.5	9,200*	71.4	14,300	76.3	8,100*	95	
100	64.2	13,600	66.5	14,100	65.9	13,800	68.9	14,600	67.4	14,100	71.1	11,400*		68.9	14,300	73.1	9,200*	70.1	14,100	75.0	8,100*	100	
105	62.7	12,500	64.9	13,000	64.5	12,800	67.4	13,400	66.1	13,000	69.7	11,400*		67.5	13,200	71.8	9,200*	68.9	13,300	73.7	8,000*	105	
110	61.1	11,500	63.3	12,000	63.0	11,800	65.9	12,400	64.7	12,000	68.3	11,300*		66.2	12,200	70.4	9,200*	67.6	12,300	72.4	7,800*	110	
115	59.5	10,600	61.7	11,000	61.5	10,800	64.4	11,400	63.3	11,000	66.8	11,000*		64.9	11,200	69.0	9,000*	66.4	11,300	71.1	7,600*	115	
120	57.9	9,800	60.1	10,200	60.0	10,000	62.8	10,600	61.8	10,200	65.3	10,800	63.5	10,400	67.7	8,800*	65.1	10,500	69.8	7,400*	120		
125	56.3	9,000	58.4	9,400	58.4	9,300	61.2	9,800	60.4	9,500	63.8	10,100	62.2	9,600	66.2	8,600*	63.8	9,700	68.4	7,200*	125		
130	54.6	8,300	56.7	8,700	56.9	8,600	59.6	9,100	58.9	8,800	62.3	9,400	60.8	8,900	64.8	8,400*	62.5	9,100	67.1	7,100*	130		
135	52.9	7,700	54.9	8,000	55.3	8,000	58.0	8,400	57.4	8,200	60.8	8,700	59.4	8,300	63.4	8,300	61.1	8,400	65.7	6,900*	135		
140	51.1	7,100	53.1	7,400	53.6	7,300	56.3	7,700	55.9	7,500	59.2	8,100	57.9	7,700	61.9	8,100	59.8	7,800	64.3	6,800	140		
145	49.3	6,500	51.2	6,900	52.0	6,800	54.6	7,200	54.3	7,000	57.6	7,500	56.5	7,100	60.4	7,800	58.4	7,200	62.9	6,600	145		
150	47.4	5,900			50.3	6,200	52.8	6,700	52.8	6,500	56.0	6,900	55.0	6,600	58.8	7,200	57.0	6,700	61.4	6,500	150		
155	45.5	5,400			48.5	5,700			51.1	5,900	54.3	6,400	53.5	6,100	57.2	6,700	55.6	6,300	59.9	6,400	155		
160	43.5	4,900			46.7	5,100			49.5	5,400	52.5	5,900	51.9	5,500	55.6	6,200	54.1	5,700	58.4	6,300	160		
165	41.5	4,400			44.8	4,700			47.7	4,900			50.3	5,100	54.0	5,700	52.7	5,200	56.9	6,000	165		
170	39.3																						



Fixed Jib Lifting Capacity

Unit: lbs

Counterweight: 76,300 lbs, Carbody weight: 14,300 lbs

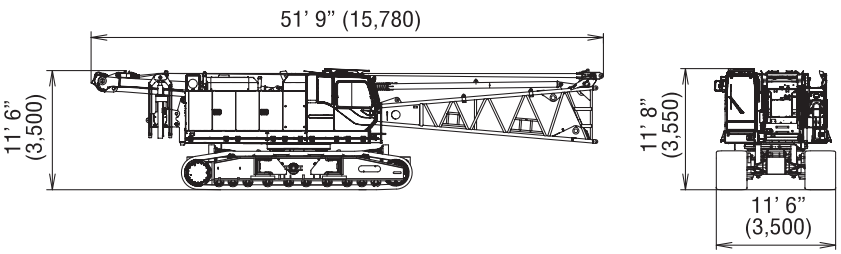
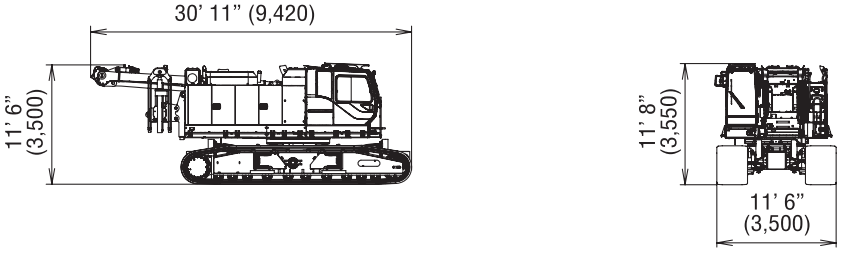
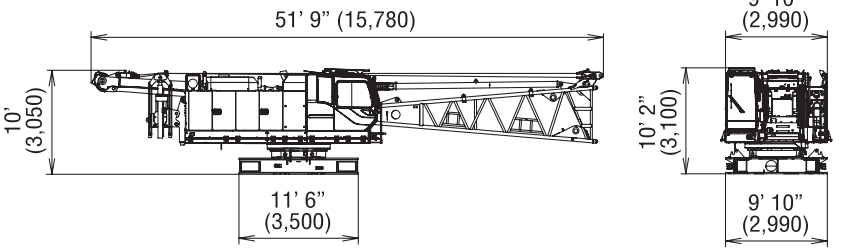
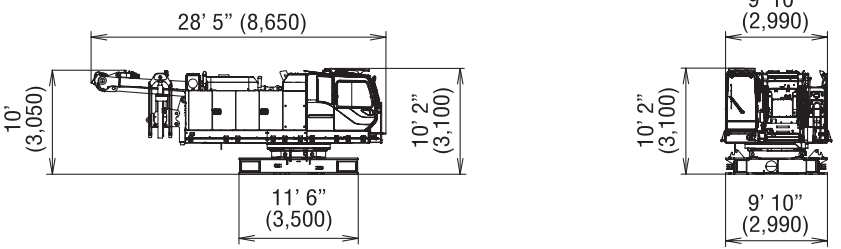
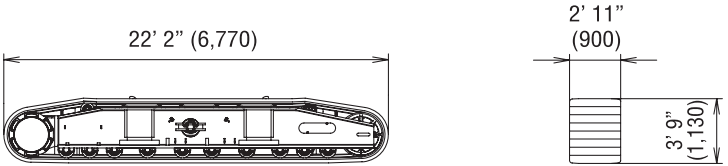
190' Boom

Load Radius (ft)	30 ft Jib				40 ft Jib				50 ft Jib				60 ft Jib				70 ft Jib				Load Radius (ft)	
	Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)					
	10	30	10	30	10	30	10	30	10	30	10	30	10	30	10	30	10	30				
	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)		
50	79.2	24,000*																			50	
55	77.9	24,000*			78.9	24,000*			79.7	20,000*							79.0	15,400*			55	
60	76.6	24,000*	78.9	21,000*	77.6	24,000*			78.5	20,000*			79.4	18,000*			79.0	15,400*			60	
65	75.2	24,000*	77.6	21,000*	76.3	24,000*	79.4	15,400*	77.3	20,000*			78.2	18,000*			77.9	15,200*			65	
70	73.9	23,600*	76.2	21,000*	75.0	24,000*	78.0	15,400*	76.0	20,000*			77.0	18,000*			77.9	15,200*			70	
75	72.5	21,100	74.8	21,000*	73.7	21,500	76.7	15,400*	74.8	20,000*	78.5	11,400*	75.8	18,000*			76.8	15,000			75	
80	71.1	19,100	73.4	19,900	72.4	19,500	75.4	15,400*	73.6	19,800	77.2	11,400*	74.6	18,000*	78.9	9,200*	75.6	14,900	80.4	8,100*	80	
85	69.7	17,400	72.0	18,100	71.1	17,700	74.0	15,400*	72.3	18,000	75.9	11,400*	73.4	18,000*	77.6	9,200*	74.5	14,700	79.2	8,100*	85	
90	68.3	15,800	70.6	16,600	69.7	16,200	72.7	15,400*	71.0	16,400	74.6	11,400*	72.2	16,700	76.4	9,200*	73.3	14,500	78.0	8,100*	90	
95	66.9	14,400	69.1	15,100	68.4	14,700	71.3	15,400*	69.7	15,000	73.3	11,400*	71.0	15,200	75.1	9,200*	72.1	14,300	76.8	8,100*	95	
100	65.5	13,200	67.7	13,800	67.0	13,500	69.9	14,300	68.5	13,800	72.0	11,400*	69.8	13,900	73.9	9,200*	71.0	14,100	75.6	8,100*	100	
105	64.0	12,100	66.2	12,700	65.7	12,400	68.5	13,200	67.1	12,600	70.6	11,400*	68.5	12,800	72.6	9,200*	69.8	13,000	74.4	8,100*	105	
110	62.5	11,100	64.7	11,600	64.3	11,400	67.1	12,100	65.8	11,700	69.3	11,400*	67.3	11,800	71.3	9,200*	68.6	12,000	73.2	7,900*	110	
115	61.1	10,200	63.2	10,700	62.9	10,500	65.6	11,100	64.5	10,700	67.9	11,200*	66.0	10,900	70.0	9,100*	67.4	11,000	71.9	7,700*	115	
120	59.5	9,400	61.6	9,800	61.4	9,700	64.2	10,200	63.1	9,900	66.5	10,600	64.7	10,000	68.7	8,900*	66.1	10,200	70.7	7,500*	120	
125	58.0	8,700	60.1	9,100	60.0	8,900	62.7	9,500	61.8	9,100	65.1	9,800	63.4	9,300	67.3	8,700*	64.9	9,400	69.4	7,400*	125	
130	56.4	8,000	58.5	8,300	58.5	8,200	61.2	8,700	60.4	8,400	63.7	9,100	62.1	8,600	66.0	8,500*	63.6	8,700	68.1	7,200*	130	
135	54.8	7,400	56.8	7,700	57.0	7,600	59.6	8,100	59.0	7,800	62.2	8,400	60.7	8,000	64.6	8,400	62.4	8,100	66.8	7,000	135	
140	53.2	6,700	55.2	7,000	55.5	7,000	58.1	7,400	57.5	7,200	60.8	7,800	59.4	7,300	63.2	8,000	61.1	7,400	65.5	6,900	140	
145	51.5	6,000	53.4	6,400	53.9	6,300	56.5	6,900	56.1	6,600	59.2	7,200	58.0	6,800	61.8	7,500	59.8	6,900	64.1	6,700	145	
150	49.8	5,400	51.7	5,800	52.3	5,700	54.8	6,200	54.6	6,000	57.7	6,600	56.6	6,200	60.3	6,900	58.5	6,300	62.8	6,600	150	
155	48.1	4,900			50.7	5,200	53.2	5,600	53.1	5,400	56.1	6,100	55.2	5,600	58.9	6,400	57.1	5,800	61.4	6,500	155	
160	46.3	4,400			49.0	4,600			51.5	4,900	54.5	5,400	53.8	5,100	57.4	5,800	55.8	5,200	60.0	6,100	160	
165	44.4	3,900			47.3	4,200			49.9	4,400	52.9	4,900	52.3	4,600	55.8	5,300	54.4	4,700	58.5	5,600	165	
170	42.5	3,400			45.6	3,700			48.3	3,900			50.8	4,100	54.3	4,800	53.0	4,200	57.0	5,100	170	
175					43.7	3,300			46.6	3,500			49.2	3,700	52.6	4,300	51.5	3,800	55.5	4,600	175	
180														47.6	3,300			50.0	3,400	54.0	4,100	180
185																				52.4	3,700	185
190																				50.8	3,300	190
Reeves	1		1		1		1		1		1		1		1		1		1		1	Reeves

200' Boom

Load Radius (ft)	30 ft Jib				40 ft Jib				50 ft Jib				60 ft Jib				70 ft Jib				Load Radius (ft)	
	Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)		Offset Angle (deg.)					
	10	30	10	30	10	30	10	30	10	30	10	30	10	30	10	30	10	30				
	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)	Boom Angle (deg.)	Rated Load (lbs)		
50	79.7	24,000*																				50
55	78.4	24,000*			79.3	24,000*																55
60	77.2	24,000*	79.4	21,000*	78.1	24,000*			79.0	20,000*			79.8	18,000*			80.5	15,700*			60	
65	75.9	24,000*	78.1	21,000*	76.9	24,000*	79.8	15,400*	77.8	20,000*			78.7	18,000*			79.5	15,500*			65	
70	74.6	23,500	76.8	21,000*	75.6	23,900	78.6	15,400*	76.6	20,000*			77.5	18,000*			78.4	15,300*			70	
75	73.3	21,000	75.5	21,000*	74.4	21,400	77.3	15,400*	75.4	20,000*	79.0	11,400*	76.4	18,000*			77.3	15,100			75	
80	72.0	19,000	74.2	19,900	73.1	19,400	76.0	15,400*	74.2	19,700	77.7	11,400*	75.2	18,000*	79.3	9,200*	76.2	14,900			80	
85	70.6	17,300	72.8	18,100	71.9	17,600	74.7	15,400*	73.0	17,900	76.5	11,400*	74.1	18,000*	78.1	9,200*	75.1	14,800	79.7	8,100*	85	
90	69.3	15,800	71.5	16,500	70.6	16,100	73.4	15,400*	71.8	16,400	75.3	11,400*	72.9	16,600	76.9	9,200*	73.9	14,600	78.5	8,100*	90	
95	68.0	14,300	70.1	15,000	69.3	14,600	72.1	15,400*	70.6	14,900	74.0	11,400*	71.8	15,100	75.8	9,200*	72.8	14,400	77.4	8,100*	95	
100	66.6	13,100	68.7	13,700	68.0	13,400	70.8	14,200	69.4	13,600	72.7	11,400*	70.6	13,800	74.5	9,200*	71.7	14,000	76.2	8,100*	100	
105	65.2	12,000	67.3	12,600	66.7	12,300	69.5	13,100	68.1	12,500	71.5	11,400*	69.4	12,700	73.3	9,200*	70.6	12,900	75.0	8,100*	105	
110	63.8	11,000	65.9	11,600	65.4	11,300	68.1	12,000	66.9	11,500	70.2	11,400*	68.2	11,700	72.1	9,200*	69.4	11,900	73.9	8,000*	110	
115	62.4	10,100	64.5	10,600	64.1	10,400	66.8	11,000	65.6	10,600	68.9	11,300*	67.0	10,800	70.8	9,200*	68.3	10,900	72.7	7,800*	115	
120	61.0	9,300	63.0	9,700	62.7	9,600	65.4	10,200	64.3	9,800	67.6	10,600	65.8	9,900	69.6	9,100*	67.1	10,000	71.5	7,600*	120	
125	59.6	8,500	61.6	9,000	61.4	8,800	64.0	9,400	63.0	9,000	66.2	9,800	64.5	9,200	68.3	8,900*	65.9	9,300	70.3	7,400*	125	
130	58.1	7,900	60.1	8,300	60.0	8,100	62.6	8,700	61.7	8,300	64.9	9,000	63.3	8,500	67.0	8,700*	64.7	8,600	69.0	7,300*	130	
135	56.6	7,200	58.5	7,600	58.6	7,500	61.1	8,000	60.4	7,700	63.5	8,300	62.0	7,800	65.7	8,500	63.5	8,000	67.8	7,100	135	
140	55.1	6,500	57.0	7,000	57.1	6,800	59.7	7,300	59.0	7,100	62.1	7,700	60.7	7,200	64.4	8,000	62.3	7,300	66.5	7,000	140	
145	53.5	5,900	55.4	6,300	55.7	6,200	58.2	6,800	57.6	6,400	60.7	7,100	59.4	6,600	63.1	7,400	61.1	6,800	65.3	6,800	145	
150	51.9	5,300	53.8	5,700	54.2	5,600	56.6	6,100	56.2	5,800	59.3	6,500	58.1	6,000	61.7	6,800	59.8	6,200	64.0	6,700	150	
155	50.3	4,700	52.1	5,100	52.7	5,000	55.1	5,500	54.8	5,300	57.8	5,900	56.8	5,500	60.3	6,300	58.5	5,600	62.6	6,500	155	
160	48.6	4,200			51.1	4,500	53.5	4,900	53.4	4,700	56.3	5,300	55.4	4,900	58.9	5,700	57.2	5,000	61.3	6,000	160	
165	46.9	3,700			49.5	4,000	51.9	4,400	51.9	4,200	54.8	4,800	54.0	4,400	57.5	5,100	55.9	4,500	60.0	5,400	165	
170	45.2	3,300			47.9	3,500			50.4	3,800	53.2	4,300	52.6	3,900	56.0	4,600	54.6	4,100	58.6	4,900	170	
175									48.8	3,300	51.6	3,800	51.1	3,500	54.5	4,100	53.2	3,600	57.2	4,400	175	
180																						

TRANSPORTATION PLAN

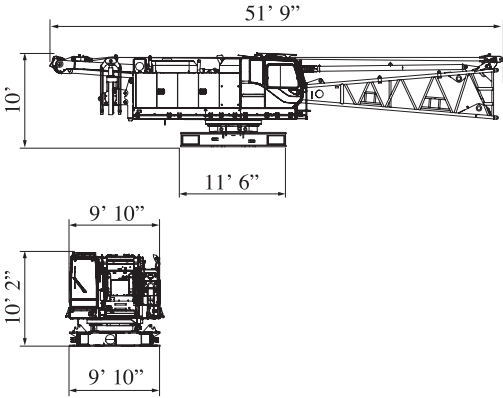
Name	Dimension ft-in (mm)	Weight lbs (kg)
Base Machine <ul style="list-style-type: none"> • Boom base • Gantry • Crawler • Wire rope (Front / boom hoist) 		126,808 (57,520)
Base Machine <ul style="list-style-type: none"> • Gantry • Crawler • Wire rope (Front / rear / boom hoist) 		119,489 (54,200)
Base Machine <ul style="list-style-type: none"> • Boom base • Gantry • Wire rope (Front / rear / boom hoist) • Without crawler 		74,206 (33,660)
Base Machine <ul style="list-style-type: none"> • Gantry • Wire rope (Front / rear / boom hoist) • Without Crawler 		66,887 (30,340)
Crawler		26,301 (11,930)

PARTS AND ATTACHMENTS

Dimensions: ft Weight: lbs

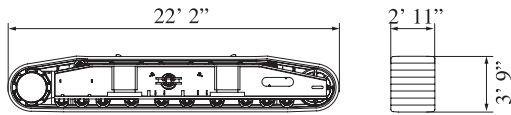
Base Machine

Boom Base, Gantry, Wire rope (Front/rear/boom hoist),
Without crawler
Weight: 74,206 lbs Width: 9' 10"



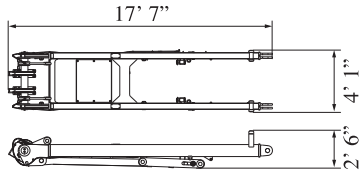
Crawler

Weight: 26,301 lbs



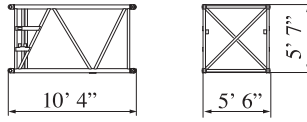
Gantry

Weight: 2,910 lbs



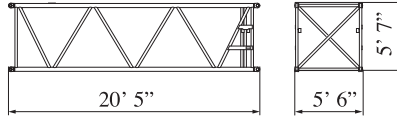
10 ft Insert Boom

Weight: 840 lbs



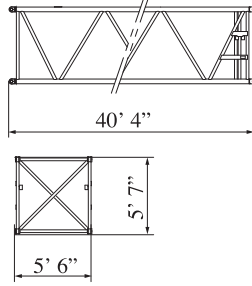
20 ft Insert Boom

Weight: 1,445 lbs



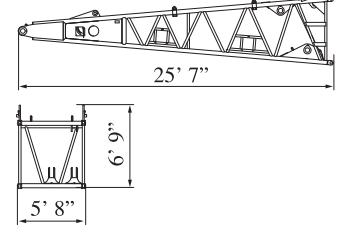
40 ft Insert Boom

Weight: 2,635 lbs



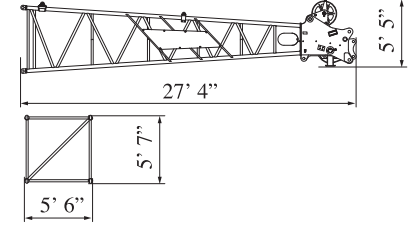
Boom Base

Weight: 4,930 lbs



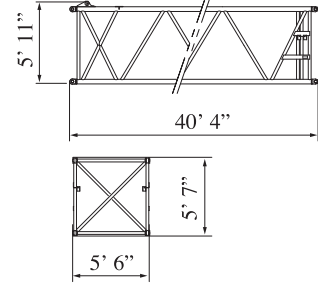
Boom Tip

Weight: 3,360 lbs



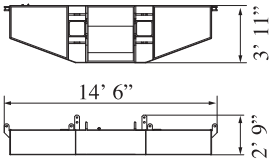
40 ft Insert Boom with lug

Weight: 2,690 lbs



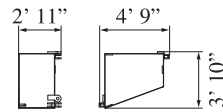
Counterweight No.1

Weight: 25,573 lbs



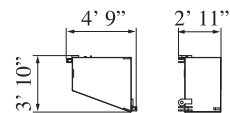
Counterweight No.2, No.3 (R)

Weight: 12,676 lbs



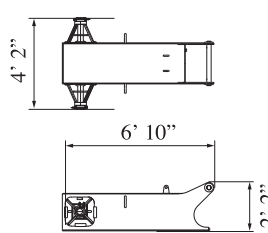
Counterweight No.2, No.3 (L)

Weight: 12,676 lbs



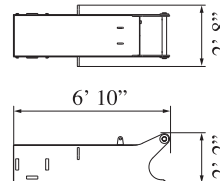
Carbodyweight (with float)

Weight: 7,319 lbs x 1 piece



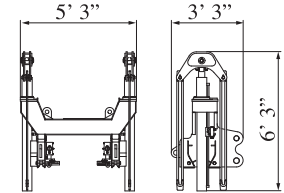
Carbodyweight (without float)

Weight: 7,165 lbs x 1 piece



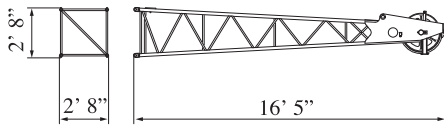
Self removal unit

Weight: 1,918 lbs

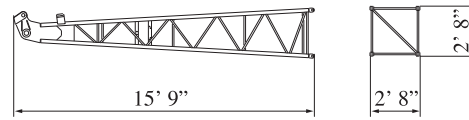


Dimensions: ft Weight: lbs

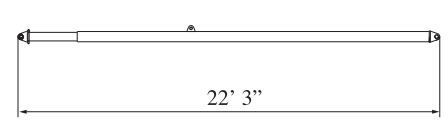
Jib Tip
Weight: 620 lbs



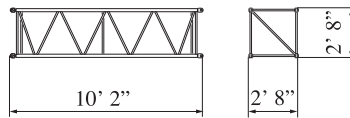
Jib Base
Weight: 440 lbs



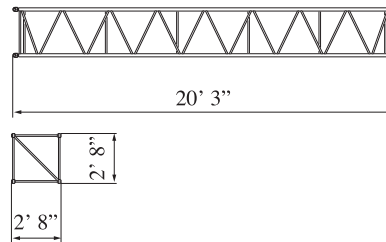
Backstop
Weight: 970 lbs (each)



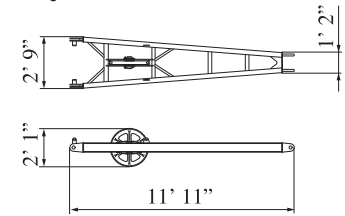
10 ft Insert Jib
Weight: 220 lbs



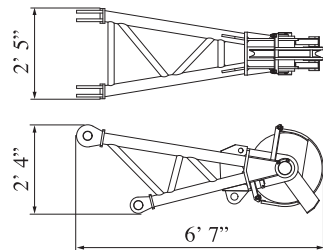
20 ft Insert Jib
Weight: 400 lbs



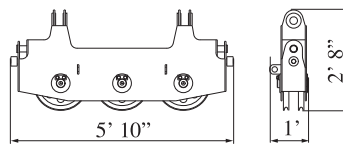
Jib Strut
Weight: 550 lbs



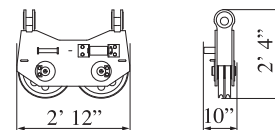
Auxiliary Sheave
Weight: 660 lbs



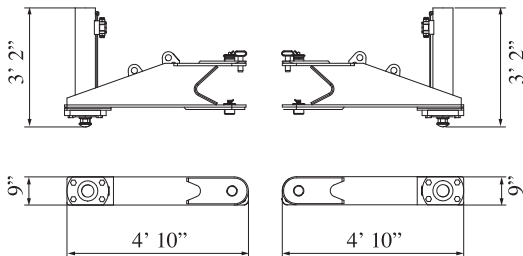
Upper Spreader
Weight: 660 lbs



Lower Spreader
Weight: 440 lbs



Translifter
Weight: 705 lbs x 1 piece



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.

Copyright by KOBELCO CRANES CO., LTD. No part of this catalog may be reproduced in any manner without notice.

KOBELCO CRANES CO., LTD.

17-1, Higashigotanda 2-chome, Shinagawa-ku, Tokyo 141-8626 JAPAN

Tel: +81-3-5789-2130 Fax: +81-3-5789-3372

URL: <http://www.kobelco-cranes.com/>

Inquiries To :

KOBELCO CRANES NORTH AMERICA, INC.

10845 Train Court, Houston, Texas 77041, USA

Tel: +1-713-856-5755 Fax: +1-713-856-9072

URL: <http://www.kobelcocranesnorthamerica.com/>