

KOBELCO

Hydraulic Crawler Crane

CK1600G-3

Max. Lifting Capacity - Crane : 160 US Tons

Max. Crane Boom Length : 250 ft

Max. Fixed Jib Combination : 200 ft + 100 ft

Max. Lifting Capacity - Luffing : 79,000 lbs

Max. Luffing Boom Length : 157 ft

Max. Luffing Jib Length : 175 ft



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SPECIFICATIONS

General Description



Type	Crawler mounted, Lattice boom, Hydraulic controlled
Maximum lift capacity	320,000 lbs (145,200 kg) @ 15' operating radius (50' boom)
Basic boom length	50' (15.2 m)
Maximum boom length	250' (76.2 m)
Basic boom & jib length	90' + 40' (27.4 m + 12.2 m)
Maximum boom & jib length	200' + 100' (61.0 m + 30.5 m)
Working weight	Approx. 309,000 lbs (140,200 kg)
Ground bearing pressure	Approx. 11.9 psi (81.8 kPa)
Gradeability	30%

Calculations to determine working weight, ground bearing pressure, and gradeability include the weight of the upper and lower works of the crane, counterweights, and carbody weights, 50' boom and hook block.

General Dimensions

Height to top of gantry (lowered w/o crawlers)	10' 7" (3.215 m)
Width of upper machine w/operator's cab	9' 10" (2.990 m)*
Radius of rear end (counterweights)	18' (5.5 m)
Counterweight ground clearance	4' 5" (1.34 m)
Center of rotation to boom foot pin	4' 7" (1.40 m)
Height from ground to boom foot pin	8' 3" (2.525 m)
Height over gantry (raised w/crawlers)	25' 10" (7.885 m)
Overall length of crawlers	25' 11" (7.895 m)
Overall width of crawlers	21' 9" (6.62 m)
Center to center, idler to sprocket	22' 7" (6.89 m)
Shoe width	48" (1.22 m)
Ground clearance of body	1' 7" (0.48 m)

Working Speed

Hoist line speed (front and rear drums)	393 to 10 ft/min (120 to 3 m/min)
Lowering line speed (front and rear drums)	393 to 10 ft/min (120 to 3 m/min)
Boom hoist line speed	157 to 6.6 ft/min (48 to 2 m/min)
Boom lowering line speed	157 to 6.6 ft/min (48 to 2 m/min)
Swing speed (max.)	2.1 rpm (2.1 min ⁻¹)
Travel speed (high/low)	0.81/0.6 mph (1.3/0.9 km/h)

Line speed based on single line, no load, and first layer of rope on the drum.

Upper Machinery

Power Plant :

Diesel engine - make and model

	ISUZU 6UZ1 (Tier 4 Final)
No. of cylinders	6
Bore X stroke	120 mm × 145 mm
Cycles	4
Total displacement	600 cu.in. (9.839 L)
Rated output SAE GROSS	362 HP / 2,000 rpm (270 kW / 2,000 min ⁻¹)
Maximum torque	1,058 lbs-ft / 1,500 rpm (1,435 Nm / 1,500 min ⁻¹)
Starter	24 Volts / 5.5 kW
Alternator	24 Volts / 90 Amp
Batteries	Two 12 volt, 136 AH/5 HR capacity series connected.
Radiator	Corrugated type core, thermostatically controlled, with cleanout screen.
Throttle	Twist grip type hand throttle, electrically controlled, in conjunction with floor mounted pedal.
Air cleaner	Dry type with replaceable paper element.
Fuel tank capacity	106 US gal. (400 L)
Lube oil filters	Full flow and by-pass type with element cartridge type.
Fuel filter	Replaceable cartridge element.



* 10'5" wide with step on cab side only.
11' wide with step on both sides.

SPECIFICATIONS



Self Lifting Device - Standard Equipment

Counterweight and Carbody weight

Counterweight Base	1 × 22,100 lbs (10,000 kg)
Counterweight (R)	5 × 9,920 lbs (4,500 kg)
Counterweight (L)	5 × 9,920 lbs (4,500 kg)
Total Counterweight	121,300 lbs (55,000 kg)

Carbody weight	2 × 11,900 lbs (5,400 kg)
Total Carbody weight	23,800 lbs (10,800 kg)



Hydraulic system

Maximum pressure rating
4,626 psi (31.9 MPa)

Cooling
Oil to air heat exchanger

Filtration
Full flow filters with replaceable
paper elements

Oil Quantity (at the reference level)
120.2 US gal. (455 L)

Hydraulic pumps :

Load hoist and propel

2 piston pumps, max flow rate
69.5 US gal/min x 2 (263 L/min x 2)

Boom hoist

1 piston pump, max flow rate
68.2 US gal/min (258 L/min)

Swing

1 piston pump, max flow rate
47.6 US gal/min (180 L/min)

Control system and auxiliary

2 gear pumps, max flow rate
16 US gal/min + 11 US gal (61 L/min + 40 L/min)

Brake cooling system

2 gear pumps, max flow rate
16.1 US gal/min x 2 (61 L/min x 2)

Gantry

This high folding type gantry is fitted with a sheave frame for boom reeving. Hydraulic lift is standard. It provides full up, full down positions with linkage.

Operator's cab

Totally enclosed from weather, this full-vision cab has safety glass all around. The adjustable, high-backed seat with armrest is capable of adjustment with or without the control console. Auxiliary controls and instruments are on a side mounted console. A signal horn, windshield wipers, air conditioner / heater, storage compartment for manuals, and swing limiter are all standard features.

Controls

At the operator's right are console-mounted short levers for the front and rear drum and the boom hoist control with individual drum speed dial adjust trimmer of front, rear, and boom drums. Fine inching control switch on boom hoist lever and LMI screen. Free fall activation switches are built in to the levers. Beside the seat on the right are two short levers for propel control. At the left is the console-mounted swing lever, an optional third drum control, switches for the front, rear, and boom drum pawls, and the engine start/stop key. A swing brake control switch and signal horn button are on the swing lever.

Swing :

Swing unit

Hydraulic motor driving spur gears through planetary reducers to output swing pinion for 360 degree rotation. There are three swing options : Free fast, free slow, and auto brake.

Swing brake

Spring set hydraulically released multiple disk brake mounted on swing motor.

Swing circle

Single row ball bearing with an integral internally cut swing gear.

Swing lock

Manual, 4 position lock for transportation.



SPECIFICATIONS



Free fall function (optional) :

Max. line pull (single line) - 52,500 lbf (233 kN)

Rated line pull - 29,500 lbf (132 kN)

Front drum :

Front and rear drums for load hoist powered by hydraulic variable plunger motors, driven through planetary reducers.

Negative brake

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

Drum lock External ratchet for locking drum

Drums :

Front drum (non free fall) -

Max. line pull (single line) - 53,100 lbf (236 kN)

Rated line pull - 29,500 lbf (132 kN)

666 mm P.C.D. x 672 mm Lg., grooved for 26 mm wire rope. Rope capacity is 902' (275 m) working length and 1,153' (351 m) storage length.

Rear drum (non free fall) -

Max. line pull (single line) - 53,100 lbf (236 kN)

Rated line pull - 29,500 lbf (132 kN)

666 mm P.C.D. x 672 mm Lg., grooved for 26 mm wire rope. Rope capacity is 837' (255 m) working length and 1,153' (351 m) storage length.

Third drum (optional) -

614 mm P.C.D. x 617 mm Lg., grooved for 26 mm wire rope. Rope capacity is 787' (240 m) working length and 986' (300 m) storage length.

Lower Machinery

Crawlers :

Crawler assemblies are designed with a quick disconnect feature for individual removal as a unit from axles. Crawler belt tension adjusted with hydraulic jack and maintained by shims between the idler block and frame.

Crawler drive :

The independent two speed hydraulic propel drive is built into each crawler side frame. Each drive consists of a hydraulic motor driving a propel sprocket through a planetary gear box. The hydraulic motor and gear box are built into the crawler side frame within the shoe width.

Crawler brakes :

Spring set, hydraulically released, multiple disk-type parking brakes are built into each propel drive.

Steering mechanism :

A hydraulic propel system provides both skid steering and counter rotating steering.

Crawler shoe :

60 shoes - 48" wide, each crawler.

Track rollers :

The track rollers are sealed for maintenance free operation.



SPECIFICATIONS

Crane Attachments

Boom :

The welded lattice construction uses tubular, high-tension steel chords with pin connections between sections.

<i>Maximum boom length</i>	250' (76.2 m)
<i>Basic boom length</i>	50' (15.2 m)
<i>Boom base section</i>	25' (7.6 m)
<i>Boom tip section (with taper boom insert)</i>	25' (7.6 m)

Boom insert (optional) :

Optional boom inserts are available to provide extension capabilities. They are robotic welded, laser aligned, lattice constructed with tubular, high-tension steel chords and pin connections.

<i>Boom insert</i>	10' (3.0 m), 20' (6.1 m), 40' (12.2 m)
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Fixed jib (optional) :

Jib inserts are available to provide extension capabilities. The optional jib employs welded lattice construction with tubular, high-tension steel chords with pin connections between sections.

<i>Maximum jib length</i>	100' (30.5 m)
<i>Basic jib length</i>	40' (12.2 m)
<i>Jib base section</i>	15' (4.6 m)
<i>Jib tip section</i>	15' (4.6 m)
<i>Jib insert</i>	10' (3.0 m), 20' (6.1 m)

Jib is useable on booms of 90' (27.4 m) through 200' (61.0 m)

Standard Equipment

Lights :

- Two (2) front flood lights
- One (1) cab inside light

Gauges and warning display :

Gauges

- One (1) tachometer
- One (1) hour meter
- One (1) fuel gauge
- One (1) water temperature
- One (1) DEF gauge

Warning display

- Battery charge
- Engine oil pressure
- Air cleaner
- Engine oil filter
- Control main pressure
- Hydraulic oil temperature
- Exhaust temperature

Others :

- Air conditioner / heater
- Drum turn indicator (front / rear)
- Foot pedal / throttle
- Electric fuel tank transfer pump
- Counterweight self-removal device
- KCROSS (Telematics)
- Self assembly sheaves in base boom with ATB
- Translifters
- USB port in cab
- Radio with Bluetooth®
- Cigar lighter socket -
- 12 V auxiliary power outlet - in cab

Safety Service

- Function lock lever
- Boom over hoist limit switch
- Signal horn
- Front / rear hoist drum lock
- Swing Limiter (Buzzer, lamps, or stops)
- Overload prevention device (LMI)
- Hook over hoist shut off (Anti-two-block)
- Boom angle indicator
- Travel alarm



Auxiliary sheave (optional) :

Auxiliary sheave is extendible on booms of 50' (15.2 m) through 240' (73.2 m)
Maximum line : 2 parts of 26 mm wire rope.

Boom hoist reeving :

Twelve (12) parts of 20.0 mm diameter high strength wire rope.

Boom backstops :

Telescopic type with spring bumper

Safety Service (cont)

- Boom hoist drum lock
- Swing locks, anti drift, and mechanical
- Boom backstops
- Boom catwalks
- Upper machinery step, handrails and ladder

Tools and Accessories

A set of tools and manuals are furnished.

Optional Equipment

- Third drum
- Hook block
- Hook ball
- Auxiliary sheave
- Fixed jib
- Luffing jib
- Boom inserts
- Free fall winches

G-MODE

The G-Modes are a standard exclusive energy and fuel saving system. The G-Mode eliminates needless operations and engine functions allowing for reduced fuel consumption by using three basic modes that are all operator selectable.

Auto Idling Stop Mode (AIS) :

An Industry First

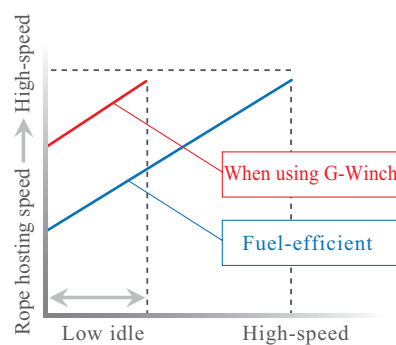
The AIS mode can conserve fuel by stopping the engine, with an operator prompt, after 10 seconds of idling time. Restarting the engine is simple by just twisting the throttle.



G-Winch Mode :

An Industry First

The G-Winch mode can produce maximum winch line speed at a low engine RPM.



G-Winch



G-Engine



AIS



The high speed mode allows the line to be raised or lowered at maximum line speed without raising engine speed when lifting without a load.

G-Engine Mode :

An Industry First

The G-Engine mode limits maximum engine speed to approx. 1,500 RPM and controls the pumps to make engine operation in the most efficient condition.

SCR System

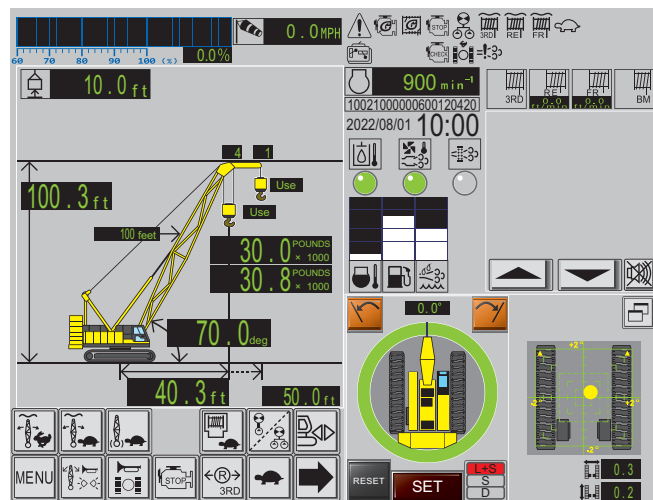
This machine is equipped with the SCR system. The SCR system is used to reduce emission of NOx (nitrogen oxide) from the engine. The SCR system decomposes NOx contained in exhaust gas into water and nitrogen by spraying DEF/ AdBlue® into the muffler. This means that the exhaust gas from the diesel engine is cleaner, conforming with current EPA Tier 4 Final regulations.

This system requires the use of low sulfur diesel.

*Warning : High sulfur diesel will damage the engine.

LOAD MOMENT INDICATOR (LMI)

The KOBELCO designed 12" touch panel screen with sunshade and screen protector is an industry first. This intuitive and easy to understand new touch screen monitor gives the operator a full display of essential data. Universal pictograms are used providing easy visual recognition, making this new technology easy to read and understand the information. This new monitor includes : hook height, engine speed, display lamp of standard functions, gauges, over-swing prevention device, maximum load radius, switches, and error messages. Load charts include standard boom, fixed jib, reduced counterweight, clamshell, barge, luffing boom, and luffing jib.



Display lamp

Engine warning lamp	Third drum free fall indication lamp
G-Engine indication lamp	Inching speed lamp
G-Winch indication lamp	Remote control connection lamp
Auto Idle stop indication lamp	Engine system error lamp
Confluence indication lamp	Travel speed lamp
Front drum free fall indication lamp	SCR system error lamp
Rear drum free fall indication lamp	

Hydraulic oil temperature lamp
Exhaust system cooling call lamp
SCR refresh error lamp

Boom drum rotation lamp
Front drum rotation lamp
Rear drum rotation lamp
Third drum rotation lamp (optional)

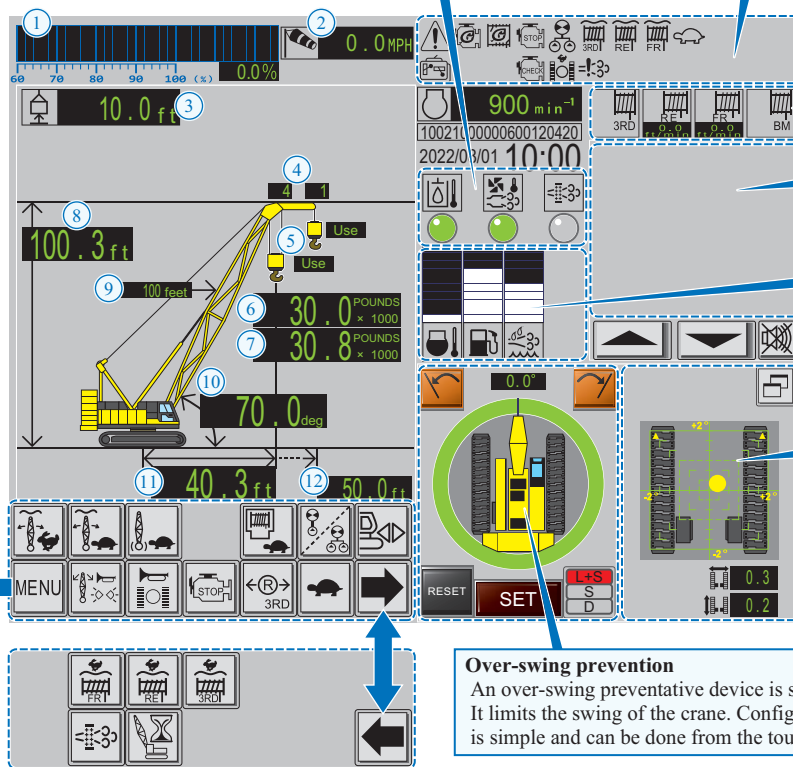
Error message
Touch to display details in a pop-up window.

Gauges
Engine coolant temperature gauge
Fuel bar gauge
Def/adblue® bar gauge
* Figures for the above gauges are only shown when the bar is touched.

Ground incline indicator (optional)
This device is to detect inclination of the crane against the ground to indicate and issue warning.

Over-swing prevention
An over-swing preventative device is standard. It limits the swing of the crane. Configuration is simple and can be done from the touch panel.

- ① Moment ratio indicator
- ② Wind speed indicator
- ③ Hook height
- ④ Front & Rear No. of part line
- ⑤ Main & Aux. hook type
- ⑥ Actual load
- ⑦ Rated load
- ⑧ Point height
- ⑨ Boom length
- ⑩ Boom angle
- ⑪ Working radius
- ⑫ Max. working radius



Main menu

Crane config.
Angle/radius Limiter
Self check Mode



Adjustment mode
Service mode

WINCH PERFORMANCE DATA

Note :

Line speed and line pull based on ISUZU 6UZ1 at 1,850 rpm.

Line speed and line pull based on single line.

Max. line pull is based on referential performance, not wire rope strength.

Front & Rear Drum (free fall) (optional)

Wire Rope Diameter = See spec in chart below

Rated Line Pull = 29,500 lbf (132 kN)

Maximum Line Pull = 52,500 lbf (233 kN)

Total Storage Capacity = 1,153 ft (351.3 m)

		Line speed (ft / min)					
	Layer	1	2	3	4	5	6
	0	394	420	446	472	498	
	5,000	394	420	446	472	498	
	10,000	394	420	446	472	498	
	15,000	391	390	390	390	390	
Line Pull (lbf)	20,000	300	300	300	300	300	storage only
	25,000	240	240	240	240	240	
	29,500	204	204	203	203	203	
	35,000	186	189	174	157	136	
	40,000	150	132	116	106	0	
	45,000	104	94	0			
	Storage Capacity (ft)	165	176	187	198	208	

Third Drum (for Load hoist)

Wire Rope Diameter = See spec in chart below

Rated Line Pull = 29,500 lbf (132 kN)

Maximum Line Pull = 50,000 lbf (222 kN)

Total Storage Capacity = 986 ft (300.4 m)

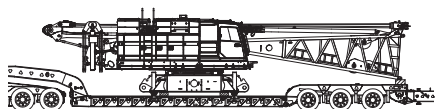
		Line speed (ft / min)					
	Layer	1	2	3	4	5	6
	0	394	394	394	394	394	
	5,000	370	394	394	394	394	
	10,000	249	249	249	249	249	
	15,000	166	166	166	166	166	
Line Pull (lbf)	20,000	124	124	124	124	124	storage only
	25,000	99	99	99	99	99	
	29,500	84	84	84	84	83	
	35,000	71	70	68	66	67	
	40,000	60	58	59	59	59	
	45,000	52	53	53			
	Storage Capacity (ft)	139	149	159	169	179	

Wire Rope Specifications

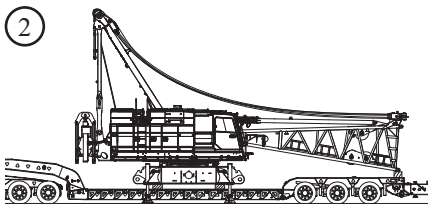
Use	Rope spec.	Rope dia.	Rope length	Safety factor	Breaking strength
Front drum	UNI rope (U3 x SeS 48) Regular lay, Right hand lay	1.050" to 1.065" (26.68 mm to 27.04 mm)	902 ft (275 m)	3.5 : 1	135,110 lbf (601 kN)
Rear drum	UNI rope (U3 x SeS 48) Regular lay, Right hand lay	1.050" to 1.065" (26.68 mm to 27.04 mm)	837 ft (255 m)	3.5 : 1	135,110 lbf (601 kN)
Boom hoist drum (Luffing boom hoist)	6 x31P·Warrington seal Regular lay, Right hand lay	0.809" to 0.821" (20.56 mm to 20.84 mm)	623 ft (190 m)	3.5 : 1	73,737 lbf (328 kN)
Boom hoist drum (Luffing boom hoist) (optional)	8 x19P·Seal Regular lay, Right hand lay	0.809" to 0.821" (20.56 mm to 20.84 mm)	623 ft (190 m)	3.5 : 1	73,737 lbf (328 kN)
Third drum (optional)	6 x29 Filler IWRC Regular lay, Right hand lay	1.048" to 1.067" (26.63 mm to 27.09 mm)	787 ft (240 m)	3.5 : 1	120,048 lbf (534 kN)
Luffing rear drum	UNI rope (U3 x SeS 48) Regular lay, Right hand lay	1.050" to 1.065" (26.68 mm to 27.04 mm)	1,115 ft (340 m)	3.5 : 1	135,110 lbf (601 kN)
Luffing jib hoist	6 x31P·Warrington seal Regular lay, Right hand lay	1.052" to 1.067" (26.73 mm to 27.09 mm)	558 ft (170 m)	3.5 : 1	124,544 lbf (554 kN)
Luffing jib hoist (optional)	8 x19P·Seal Regular lay, Right hand lay	1.052" to 1.067" (26.73 mm to 27.09 mm)	558 ft (170 m)	3.5 : 1	124,544 lbf (554 kN)

SELF-ASSEMBLY PROCEDURE

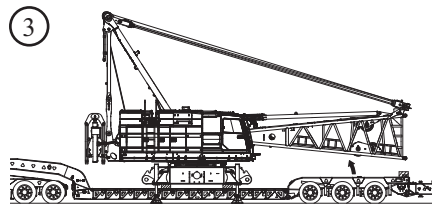
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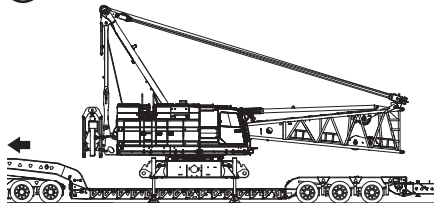
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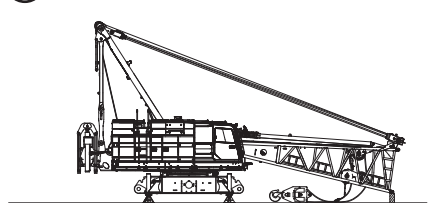
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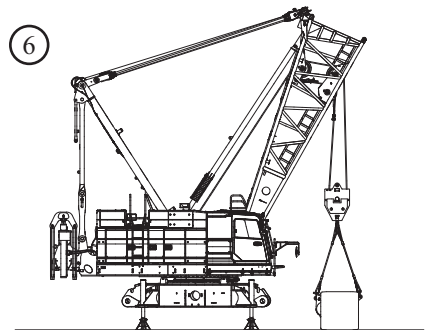
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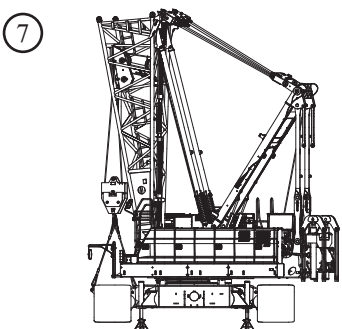
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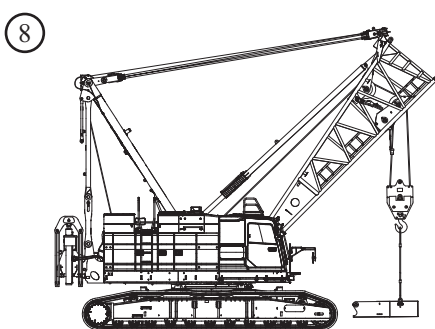
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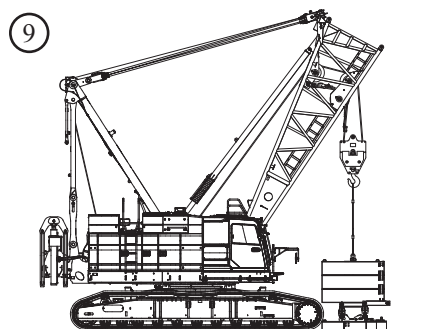
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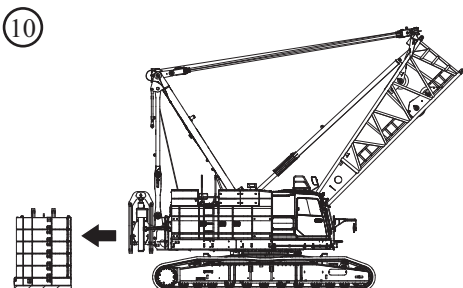
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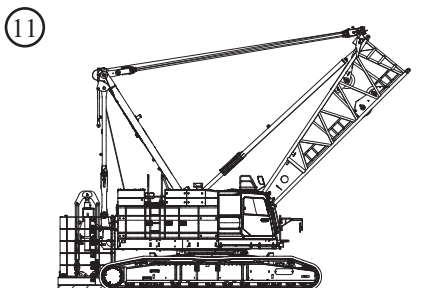
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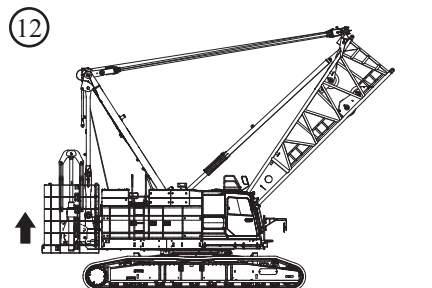
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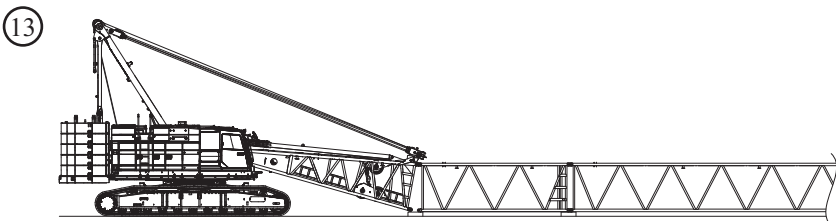
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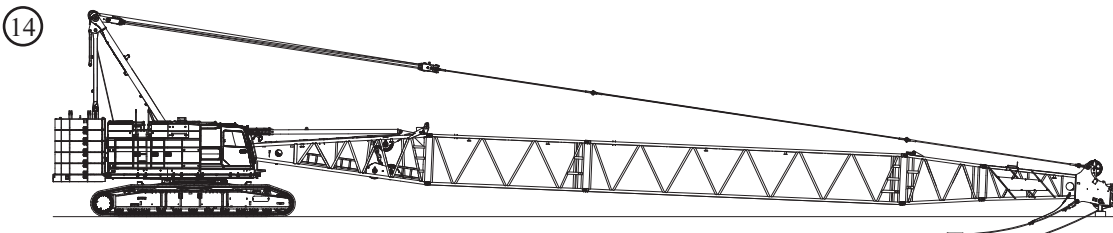
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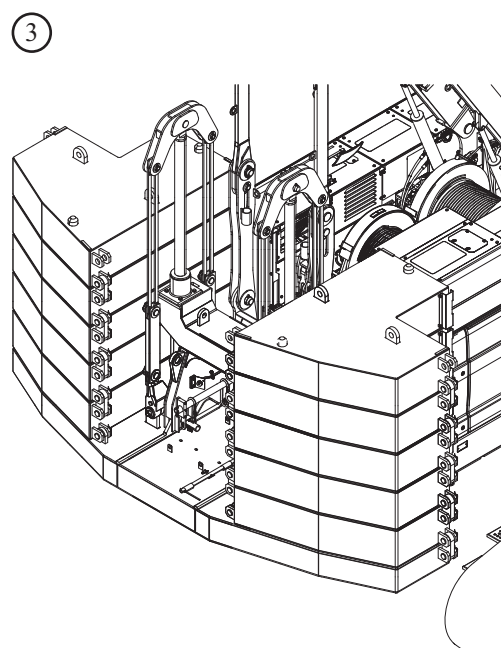
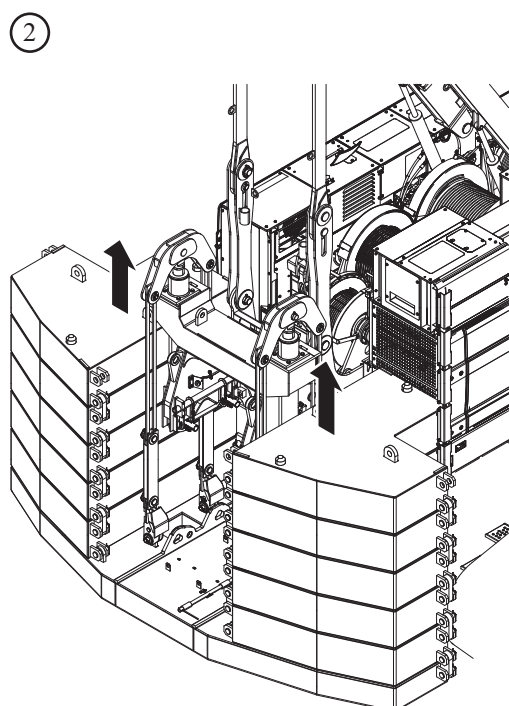
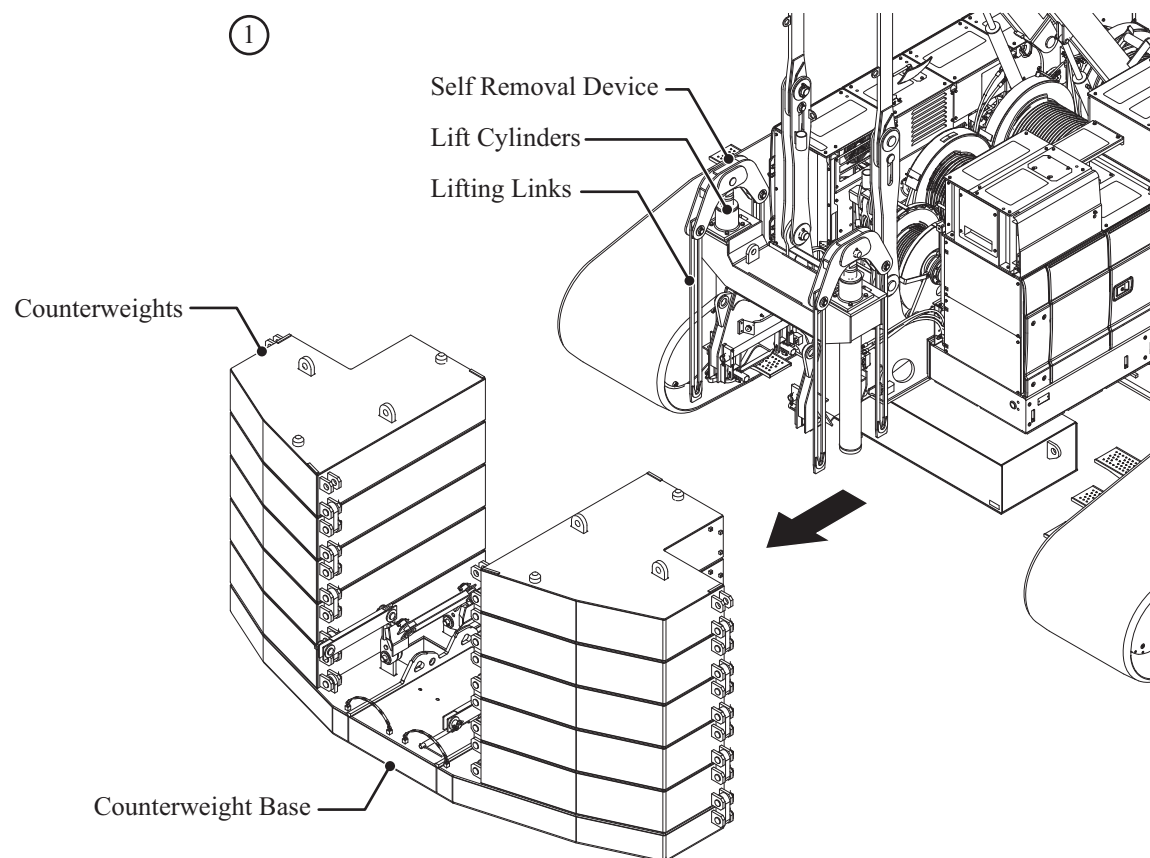
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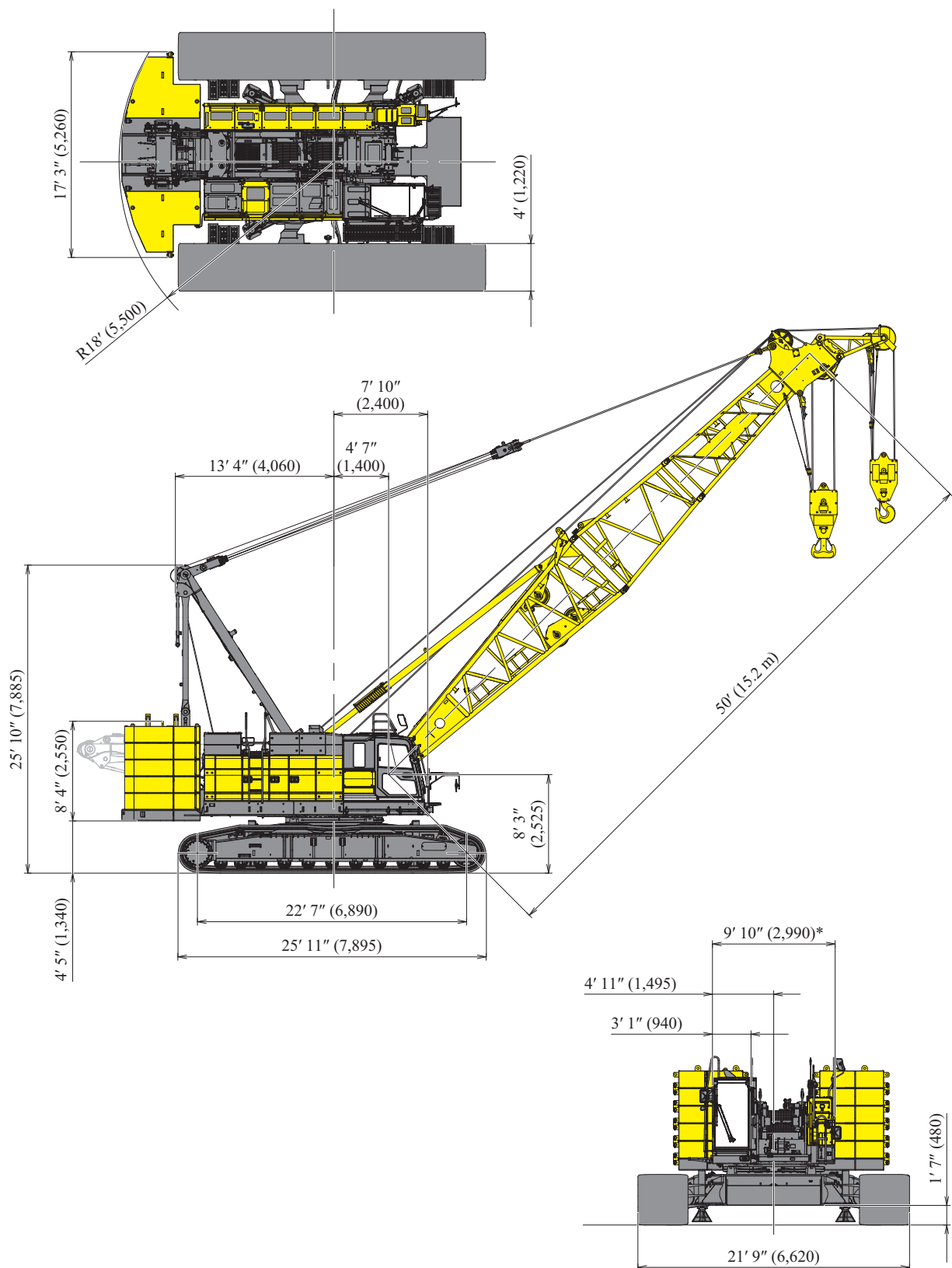
COUNTERWEIGHT SELF REMOVAL DEVICE



CRANE - GENERAL DIMENSIONS

Crane Boom

Unit : ft (mm)

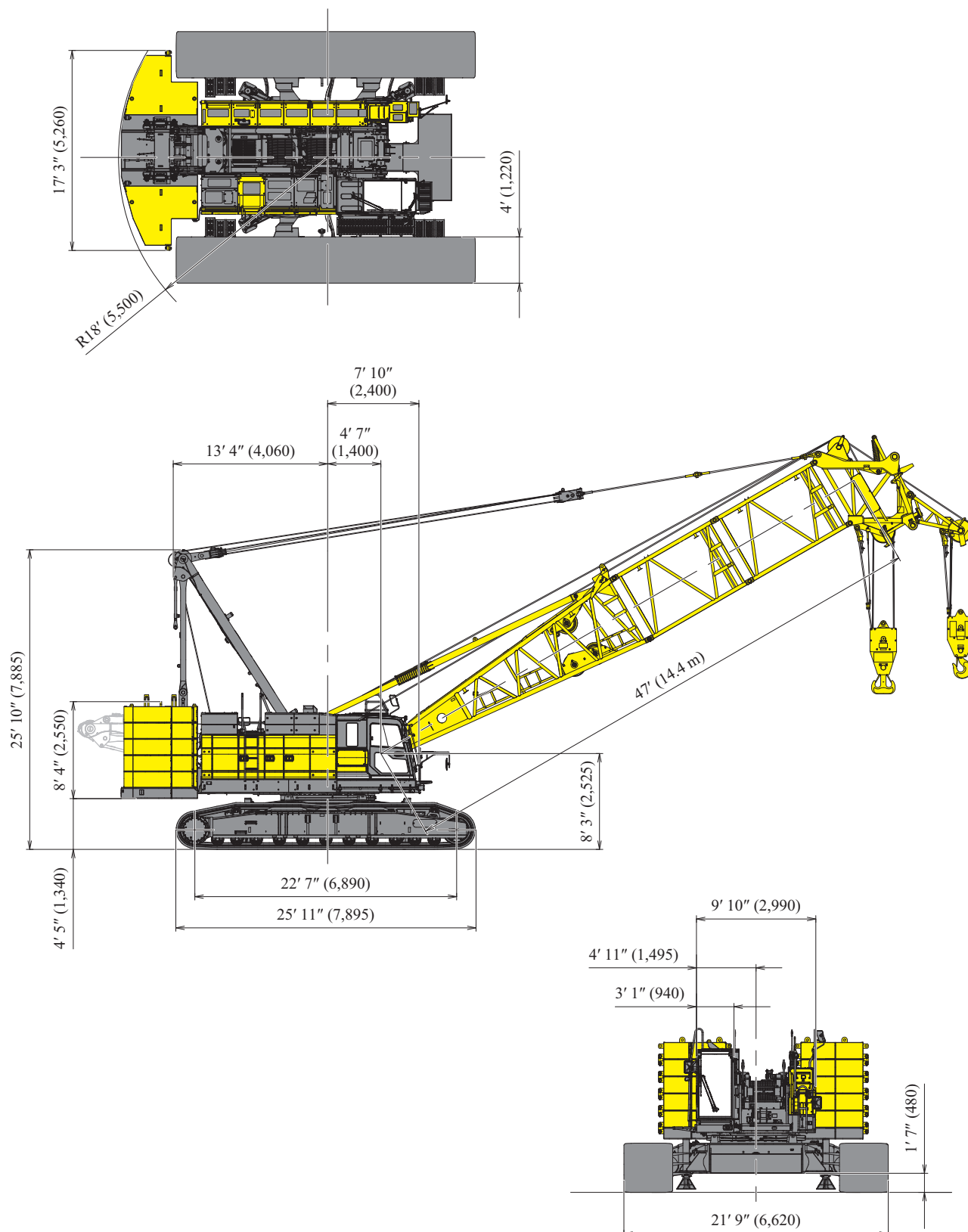


* 10' 5" wide with step on cab side only.
11' wide with step on both sides.

CRANE - GENERAL DIMENSIONS

Crane with Luffing Boom Tip

Unit : ft (mm)



* 10' 5" wide with step on cab side only.
11' wide with step on both sides.

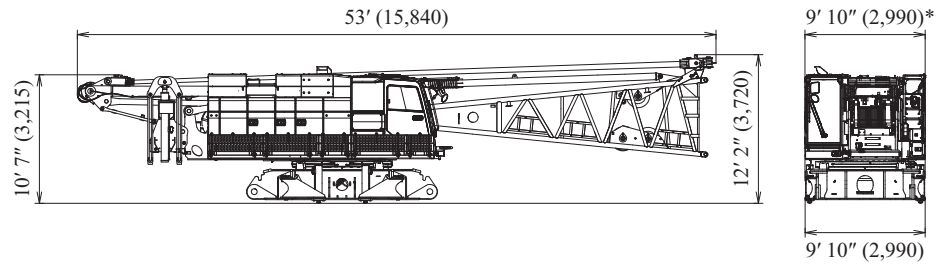
CRANE - DIMENSIONS & WEIGHT

Dimensions : ft-in (mm) Weight : lbs (kg)

Base Machine - 1

Weight: 84,830 lbs (38,480 kg)

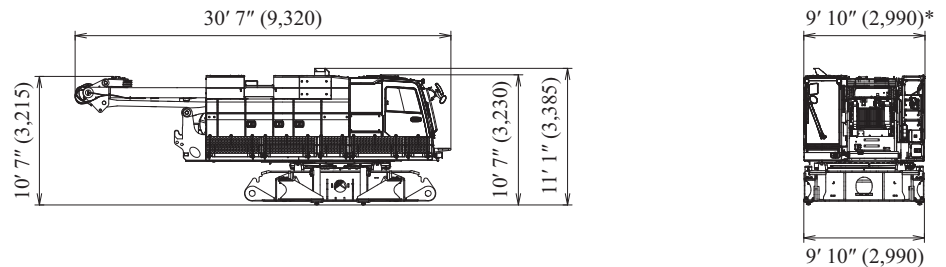
- Gantry○
- Wire rope Front.....○
- Rear.....○
- Boom.....○
- Boom base.....○
- Crane backstop.....○
- Self removal device○
- Step○



Base Machine - 2

Weight: 70,580 lbs (32,015 kg)

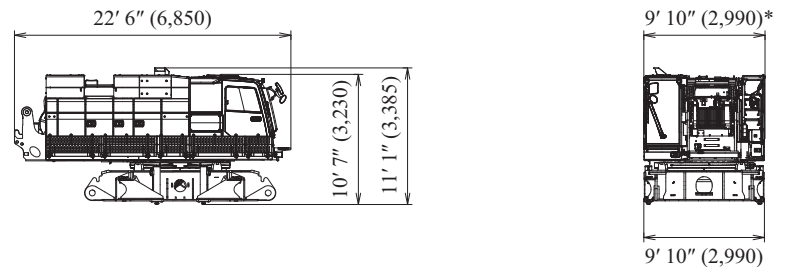
- Gantry○
- Wire rope Front.....○
- Rear.....○
- Boom.....○
- Boom base.....×
- Crane backstop.....×
- Self removal device×
- Step○



Base Machine - 3

Weight: 64,425 lbs (29,225 kg)

- Gantry×
- Wire rope Front.....○
- Rear.....○
- Boom.....×
- Boom base.....×
- Crane backstop.....×
- Self removal device×
- Step○

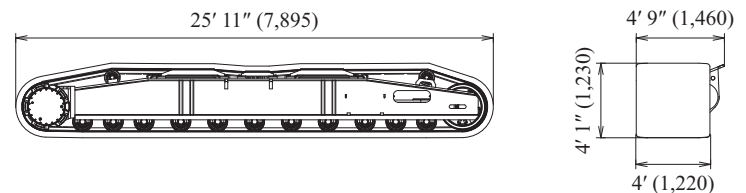


○ : With
× : Without

* 10' 5" wide with step on cab side only.
11' wide with step on both sides.

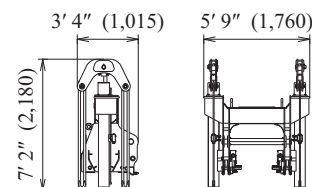
Crawler

Weight: 36,510 lbs (16,560 kg)



Counterweight Self-Removal Cylinder

Weight: 3,380 lbs (1,535 kg)

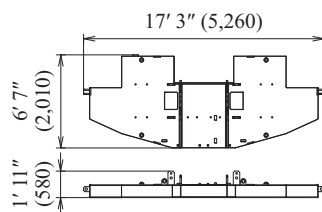


CRANE - DIMENSIONS & WEIGHT

Dimensions : ft-in (mm) Weight : lbs (kg)

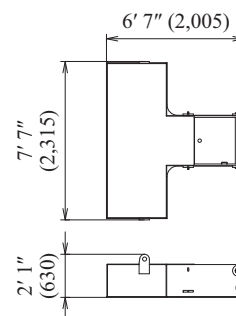
Counterweight Base

Weight: 22,100 lbs (10,000 kg)



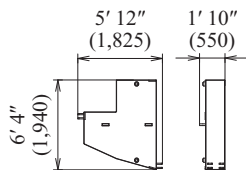
Carbody Weight

Weight: 11,900 lbs (5,400 kg)



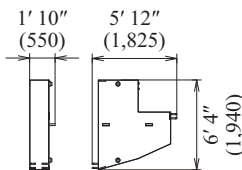
Left Side Counterweight

Weight: 9,920 lbs (4,500 kg)



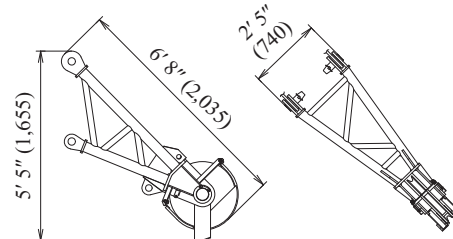
Right Side Counterweight

Weight: 9,920 lbs (4,500 kg)



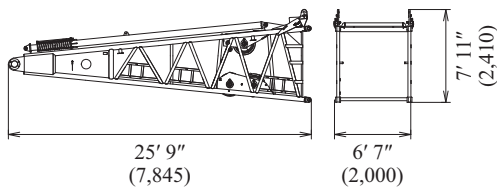
Auxiliary Sheave

Weight: 600 lbs (275 kg)



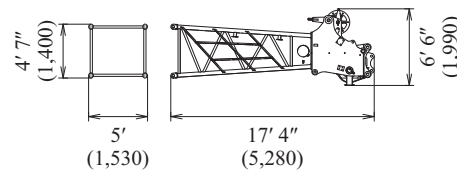
Boom Base (with backstop)

Weight: 9,405 lbs (4,270 kg)



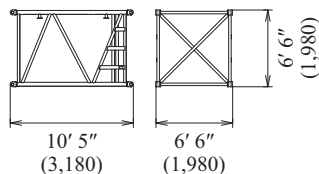
Boom Tip

Weight: 3,785 lbs (1,720 kg)



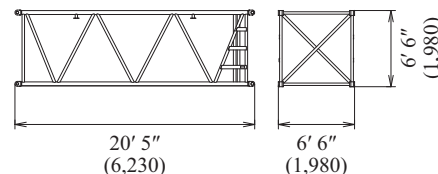
10 ft (3.0 m) Boom Insert

Weight: 1,115 lbs (505 kg)



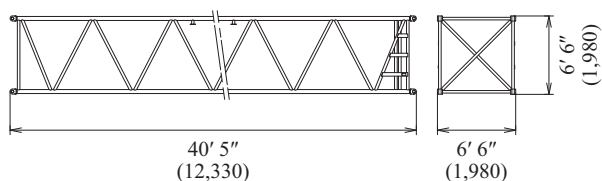
20 ft (6.1 m) Boom Insert

Weight: 1,810 lbs (820 kg)



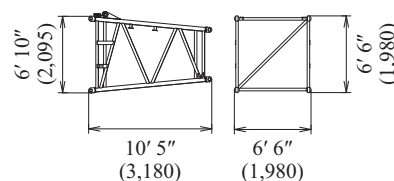
40 ft (12.2 m) Boom Insert

Weight: 3,190 lbs (1,445 kg)



Taper Boom Insert

Weight: 1,225 lbs (555 kg)

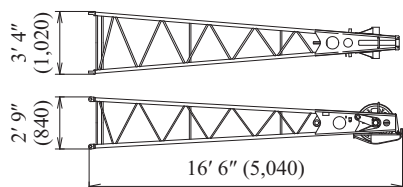


CRANE - DIMENSIONS & WEIGHT

Dimensions : ft-in (mm) Weight : lbs (kg)

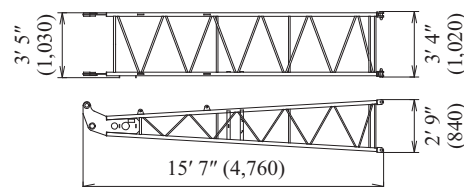
Fixed Jib Tip

Weight: 695 lbs (315 kg)



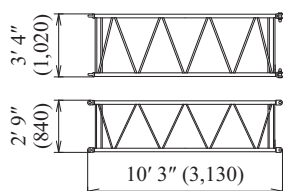
Fixed Jib Base

Weight: 465 lbs (210 kg)



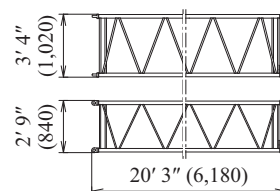
10 ft (3.0 m) Fixed Jib Insert

Weight: 245 lbs (110 kg)



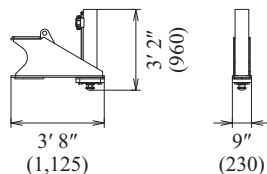
20 ft (6.1 m) Fixed Jib Insert

Weight: 420 lbs (190 kg)



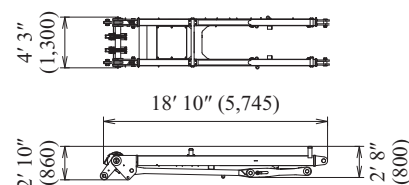
Translifter

Weight: 620 lbs (280 kg)



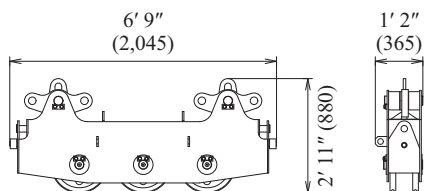
Gantry

Weight: 4,610 lbs (2,090 kg)



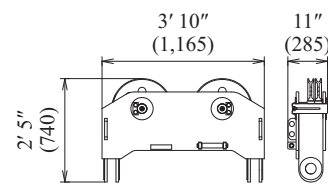
Upper Spreader (for crane)

Weight: 1,050 lbs (475 kg)



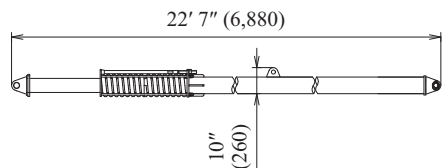
Lower Spreader (for crane)

Weight: 665 lbs (300 kg)



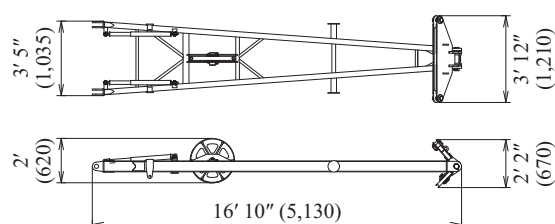
Boom Backstop

Weight: 1,150 lbs (520 kg)



Fixed Jib Strut

Weight: 825 lbs (375 kg)



CRANE - TRANSPORTATION PLAN

Shipping plan for 250 ft Boom and 100' Fixed Jib

Refer to pages 13-15

Description of Item	Weight		Trailer Loads							
	lbs	(kg)	#1	#2	#3	#4	#5	#6	#7	#8
Base Machine with Boom Base*	84,830	(38,480)	1							
Crawler	36,510	(16,560)		1	1					
Counterweight Base	22,100	(10,000)				1				
Counterweight (L)	9,920	(4,500)					1	3	1	
Counterweight (R)	9,920	(4,500)							2	3
Carbody Weight	11,900	(5,400)					2			
10 ft Boom Insert and Guy Line	1,115	(505)		1	1					
20 ft Boom Insert and Guy Line	1,810	(820)		1						
40 ft Boom Insert and Guy Line	3,190	(1,445)					1	1	1	1
Taper Boom Insert	1,225	(555)				1				
Boom Tip and Guy Line	3,785	(1,720)				1				
Fixed Jib Base, Strut, and Guy Line	1,290	(585)			1					
10 ft Fixed Jib Insert and Guy Line	245	(110)		1						
20 ft Fixed Jib Insert and Guy Line	420	(190)					1	1	1	
Fixed Jib Tip	695	(315)			1					
Auxiliary Sheave	600	(275)							1	
75 Ton Block	3,000	(1,361)								1
13 Ton Ball	800	(365)								1
Approx. Total Shipping Weight	lbs	(kg)	84,830 (38,480)	39,680 (17,995)	39,610 (17,965)	27,110 (12,275)	37,330 (16,935)	33,370 (15,135)	33,970 (15,410)	36,750 (16,671)

* Third drum is not included. Add 6,100 lbs if third drum is installed.

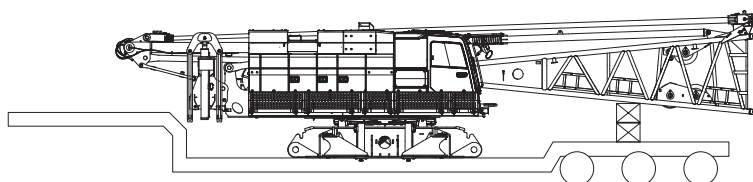
Loads for transportation were targeted at 45,000 lbs, 8' 6" wide, 48' long and 13' 6" high from ground, 48' step deck.

This may vary depending on truck/trailer weight, style of trailer and state law.

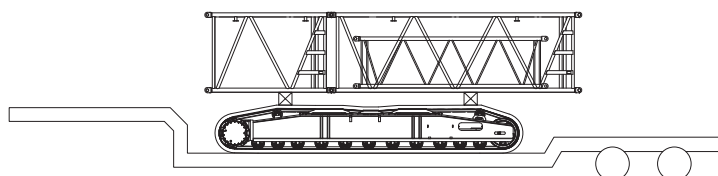
* Double drop trailer required.

* Add 3,185 lbs with Free Fall.

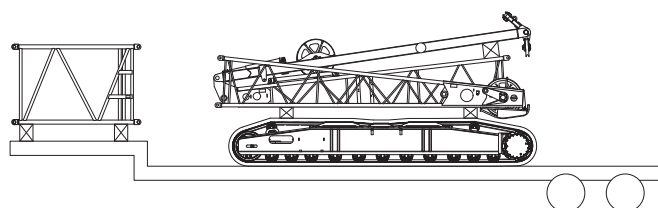
Trailer #1



Trailer #2*



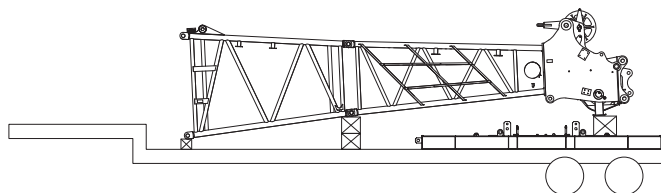
Trailer #3



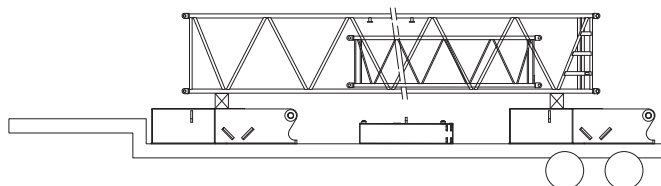
CRANE - TRANSPORTATION PLAN

Refer to pages 13-15

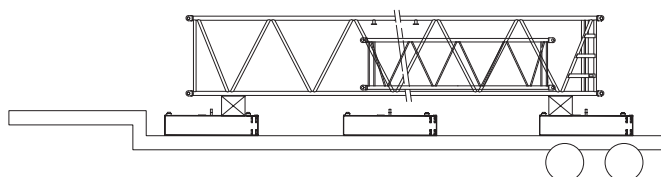
Trailer #4



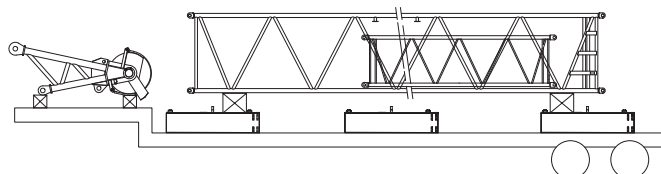
Trailer #5



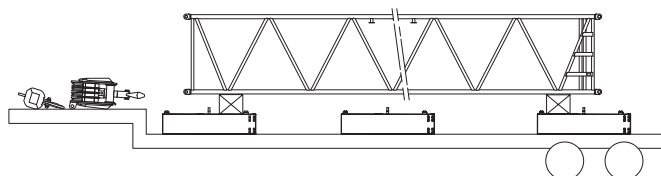
Trailer #6



Trailer #7

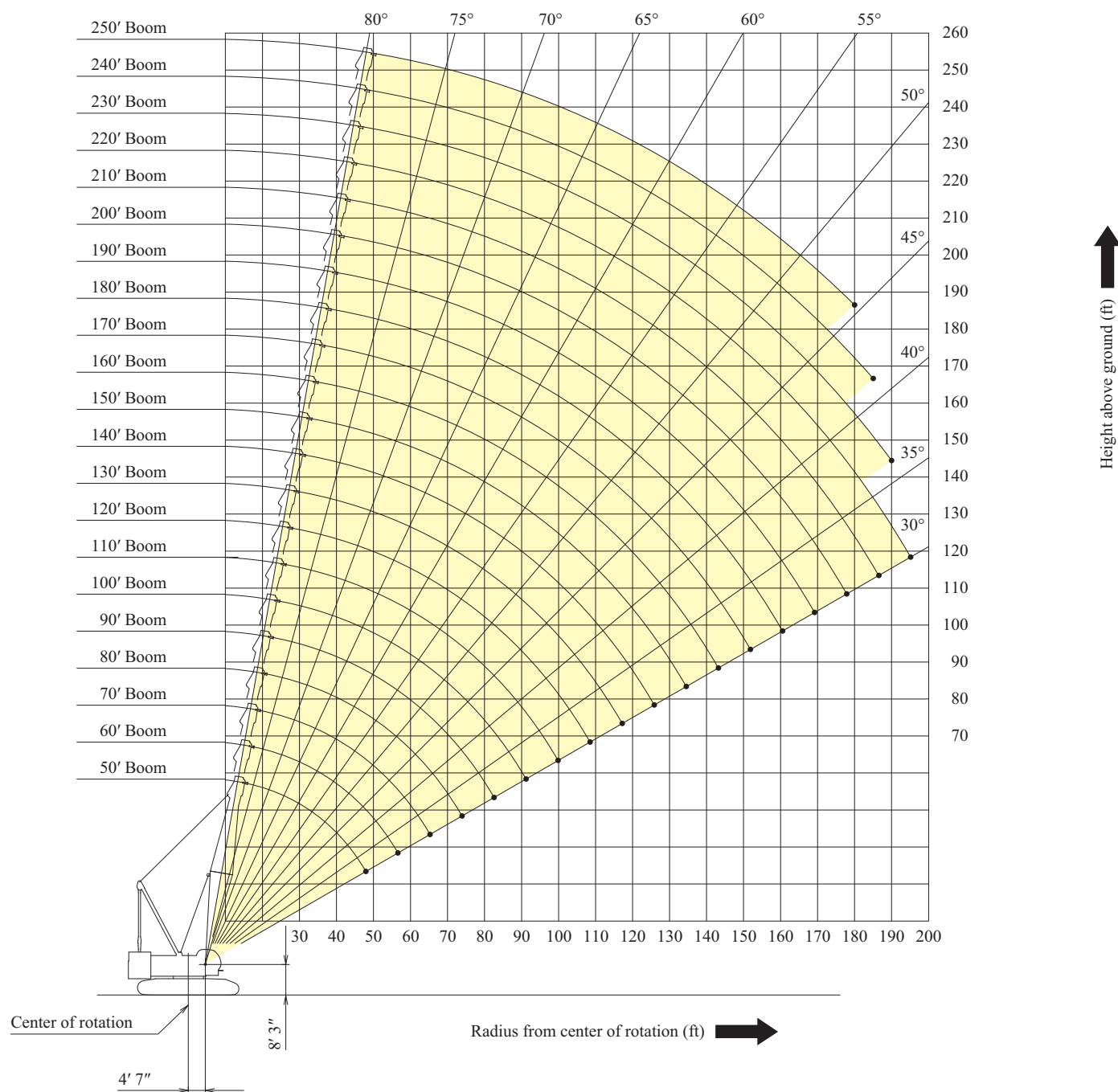


Trailer #8



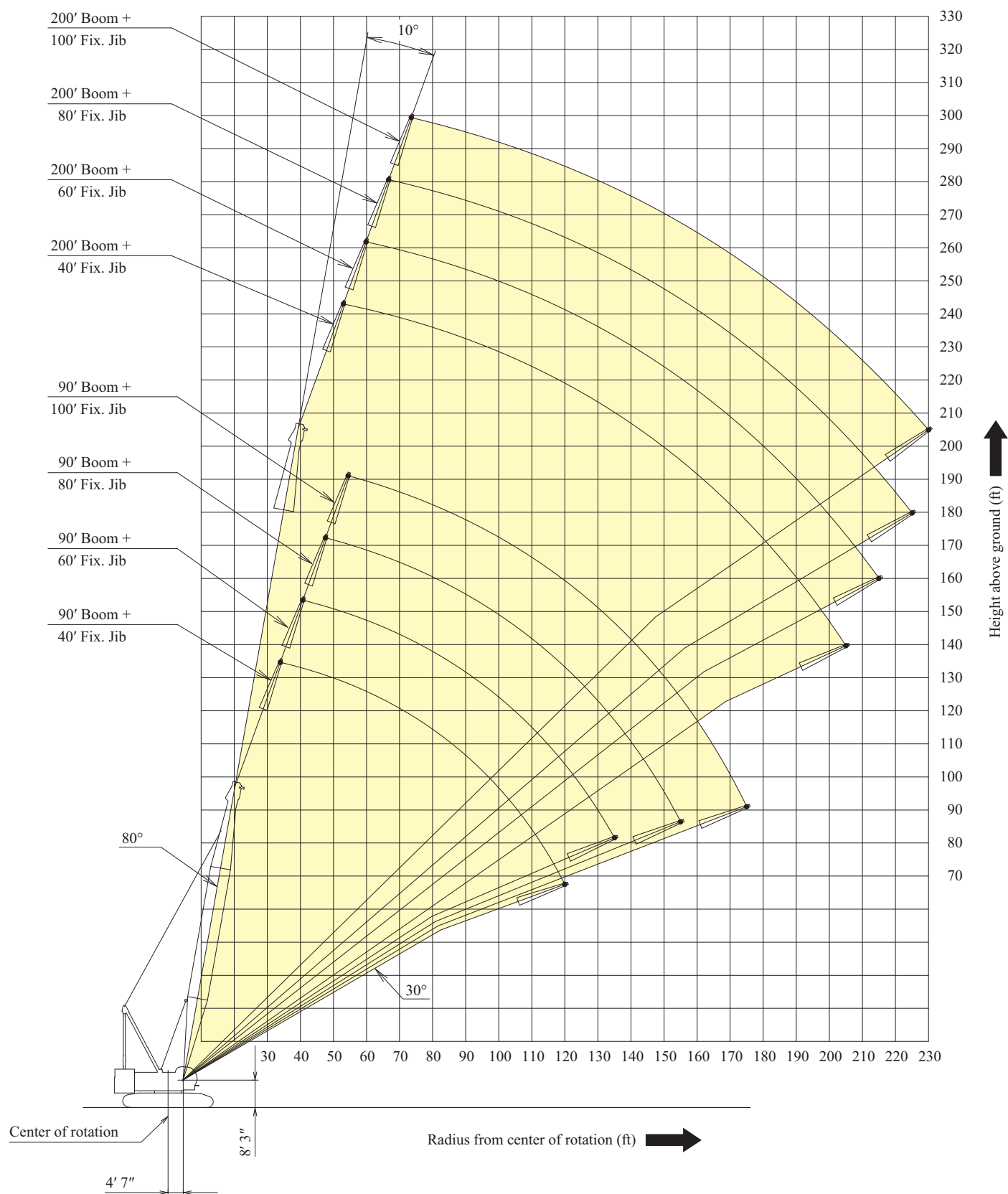
CRANE - WORKING RANGES

Main Boom



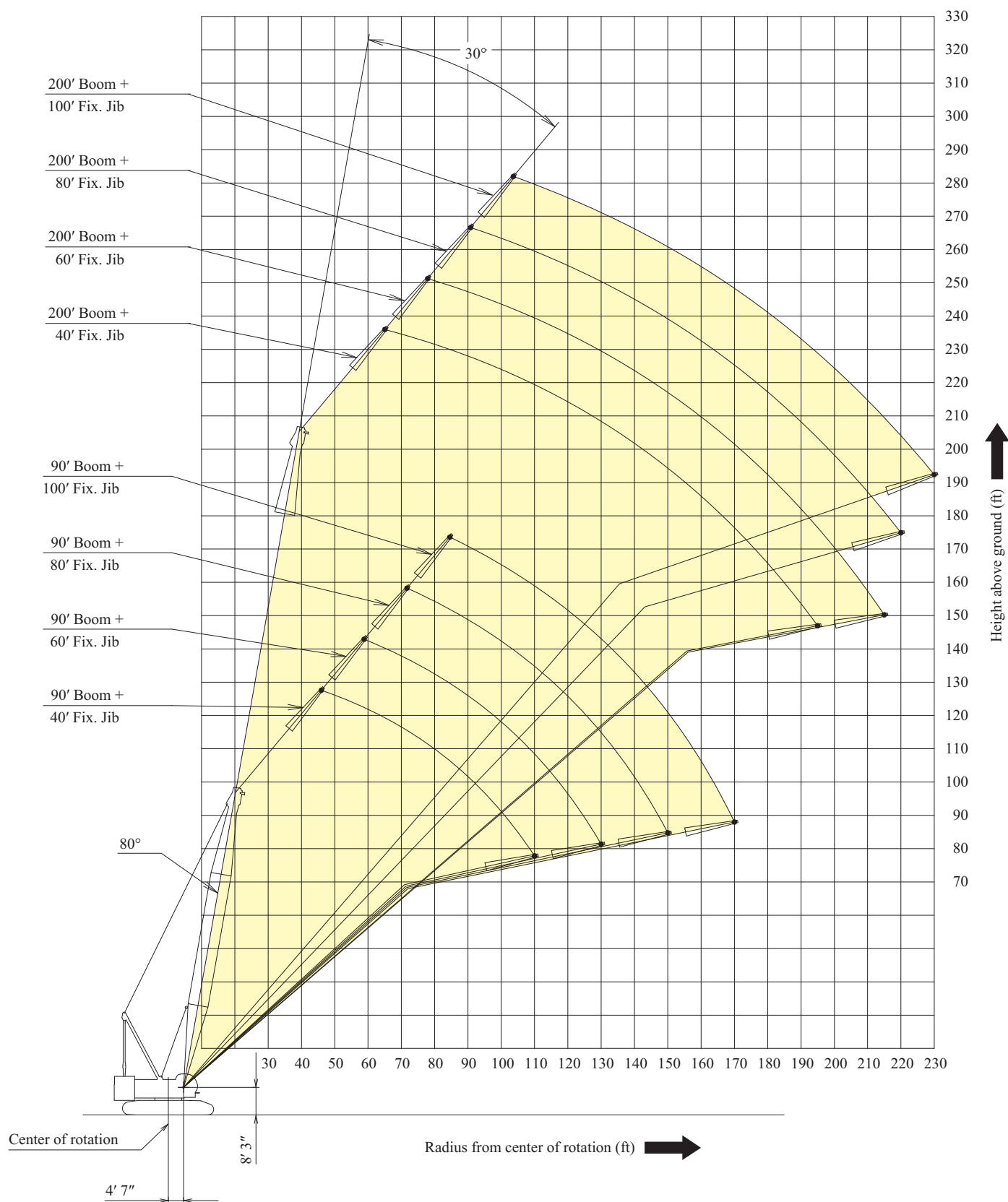
CRANE - WORKING RANGES

Fixed Jib 10°



CRANE - WORKING RANGES

Fixed Jib 30°



CRANE - BOOM AND JIB ARRANGEMENTS

Boom Arrangement

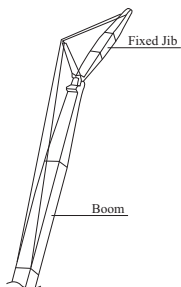
Boom length : ft (m)	Boom arrangement
50 (15.2)	
60 (18.3)	※
70 (21.3)	※
80 (24.4)	※
90 (27.4)	※
100 (30.5)	※
110 (33.5)	※
120 (36.6)	※
130 (39.6)	※
140 (42.7)	※
150 (45.7)	※
160 (48.8)	※
170 (51.8)	※
180 (54.9)	※

Boom length : ft (m)	Boom arrangement
190 (57.9)	※
200 (61.0)	※
210 (64.0)	※
220 (67.1)	※
230 (70.1)	※
240 (73.2)	※
250 (76.2)	※

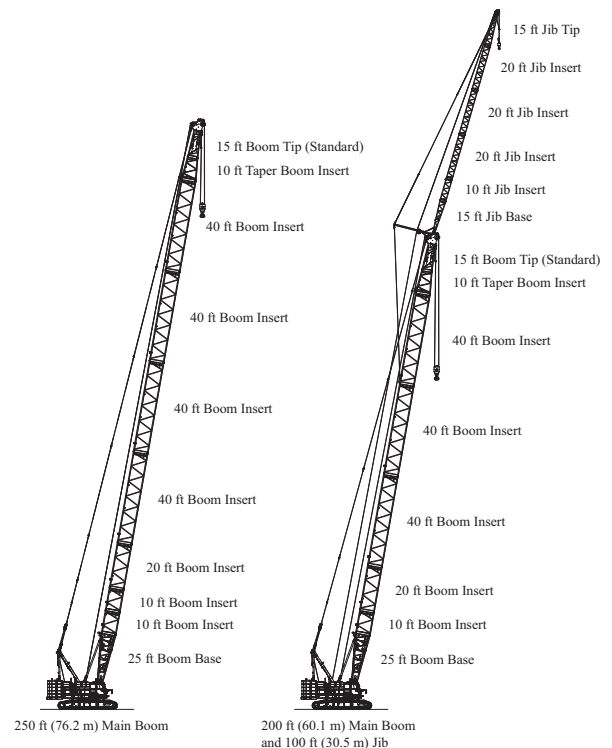
Symbol	Boom Length	Remarks
	25 ft (7.6 m)	Boom Base
	15 ft (4.6 m)	Boom Tip (Standard)
	10 ft (3.0 m)	Taper Boom Insert
	10 ft (3.0 m)	Boom Insert
	20 ft (6.1 m)	Boom Insert
	40 ft (12.2 m)	Boom Insert

- Mark shows the boom insert with lugs attached and the guy line installing position when the jib is used.
- ※ Indicates the most flexible combination of boom inserts, which can be modified to form all shorter boom arrangements.

Fixed Jib Arrangement



Crane boom length	Jib length : ft (m)	Jib arrangement
90 ft (27.4 m) to 200 ft (61.0 m)	40 (12.2)	
	60 (18.3)	
	80 (24.4)	
	100 (30.5)	
Symbol	Jib Length	Remarks
	15 ft (4.6 m)	Jib Base
	15 ft (4.6 m)	Jib Tip
	10 ft (3.0 m)	Jib Insert
	20 ft (6.1 m)	Jib Insert



CRANE - BOOM AND JIB ARRANGEMENTS

Crane with Luffing Boom Tip Arrangement

Boom length : ft (m)	Boom arrangement	
47 (14.4)		
57 (17.4)	※	
67 (20.5)	※	
77 (23.5)	※	※
87 (26.6)	※	※
97 (29.6)	※	※
107 (32.7)	※	※
117 (35.7)	※	※

Boom length : ft (m)	Boom arrangement	
127 (38.8)	※	※
137 (41.8)	※	※
147 (44.8)	※	※
157 (47.9)	※	※

Symbol	Boom Length	Remarks
	25 ft (7.6 m)	Boom Base
	2 ft 2 in (0.65 m)	Boom Tip (Luffing)
	10 ft (3.0 m)	Boom Insert
	20 ft (6.1 m)	Boom Insert
	40 ft (12.2 m)	Boom Insert
	30 ft (9.1 m)	Special boom insert

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

CRANE - SUPPLEMENTAL DATA

Boom And Fixed Jib

- 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 derate 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.
- The crane must be leveled to within 1% on a firm supporting surface.
- Counterweights and carbody weights are fully installed.

- 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 Sheave	40 ft	60 ft	80 ft	100 ft
Deductions (lbs)	1,250	7,055	8,010	8,965	9,920

When auxiliary sheave is used for 11 reeving parts of line, it is not required to deduct 1,250 lbs from rated loads.

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

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

- 40 ft(12.2m) jib length with offset angle 10 degrees, one part of line on hook is not allowed to use.

- The total load that can be lifted over an auxiliary sheave is the value for 1250lbs deducted from rated load for the boom without auxiliary sheave, but it should not exceed auxiliary maximum hoist loads.

- Boom lengths that can attach auxiliary sheave are from 50 ft (15.2m) to 240 ft (73.2m).

- The boom should be erected over the front of the crawlers, not laterally. When erecting and lowering the boom at length of 240 ft (73.2m) or over, 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)	29,500	59,000	88,500	118,000	147,500

No. of Parts of line	6	7	8	9	10
Maximum Loads (lbs)	177,000	206,500	236,000	265,500	295,000

No. of Parts of line	11
Maximum Loads (lbs)	320,000

Jib Hoist Loads

No. of Parts of line	1	2
Maximum Loads (lbs)	29,500	59,000

Auxiliary Hoist Loads

No. of Parts of line	1	2
Maximum Loads (lbs)	29,500	59,000

- Weight of recommended hook block.

Hook Block	160 USt	110 USt	70 USt	30 USt	BALL HOOK
Weight (lbs)	5,275	3,960	2,775	2,200	1,315

WARNING

If the weight of hook block to be used is lighter than the recommended weight, the jib may turnover backward or it is difficult to lower the empty hook block.

- When operating the machine with the nesting roller (option) equipped to the boom insert, following amount of loads must be reduced from the rating chart.

Boom length	50 ft, 60 ft	70 ft, 80 ft	90 ft to 160 ft
Reduced amount (lbs)	0	100	200

Boom length	170 ft to 210 ft	220 ft to 250 ft
Reduced amount (lbs)	300	400

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

- Designed and rated to comply with ASME B30.5-2014.

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

CRANE - LIFTING CHART

Main Boom Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

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)
15.0	79.9	320,000 *	17.0	79.6	280,000 *	19.0	79.5	251,100 *	22.0	78.6	211,800 *
16.0	78.7	300,100 *	18.0	78.7	266,000 *	20.0	78.6	238,500 *	24.0	77.1	190,200 *
17.0	77.5	282,500 *	19.0	77.7	251,900 *	22.0	76.9	217,100 *	26.0	75.7	172,600 *
18.0	76.3	266,800 *	20.0	76.7	239,300 *	24.0	75.3	194,600 *	28.0	74.2	157,800 *
19.0	75.1	252,700 *	22.0	74.7	218,000 *	26.0	73.5	176,300 *	30.0	72.7	145,500 *
20.0	73.9	240,100 *	24.0	72.7	197,500 *	28.0	71.8	160,900 *	32.0	71.1	134,400
22.0	71.5	218,300 *	26.0	70.7	178,300 *	30.0	70.1	147,900 *	34.0	69.6	123,000
24.0	69.1	197,700 *	28.0	68.6	162,200 *	32.0	68.3	134,700	36.0	68.1	113,300
26.0	66.5	177,400 *	30.0	66.5	148,300	34.0	66.5	123,400	38.0	66.5	105,100
28.0	64.0	160,400 *	32.0	64.4	134,900	36.0	64.7	113,700	40.0	64.9	97,800
30.0	61.4	145,900 *	34.0	62.2	123,600	38.0	62.8	105,500	45.0	60.8	83,300
32.0	58.7	133,300 *	36.0	60.0	113,900	40.0	61.0	98,300	50.0	56.6	72,300
34.0	55.9	122,100 *	38.0	57.7	105,800	45.0	56.1	83,700	55.0	52.1	63,900
36.0	53.0	112,200 *	40.0	55.4	98,500	50.0	50.9	72,700	60.0	47.4	56,800
38.0	50.0	103,300 *	45.0	49.3	83,900	55.0	45.3	64,300	65.0	42.2	51,300
40.0	46.8	95,200 *	50.0	42.4	72,000 *	60.0	39.0	57,300 *	70.0	36.3	46,700 *
45.0	38.0	76,900 *	55.0	34.4	60,100 *	65.0	31.7	48,700 *	75.0	29.5	40,300 *
Reeves		11	Reeves		10	Reeves		9	Reeves		8
90' Boom			100' Boom			110' Boom			120' 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)
22.0	79.9	207,600 *	24.0	79.8	183,400 *	26.0	79.6	164,200 *	28.0	79.5	147,000 *
24.0	78.6	186,500 *	26.0	78.6	166,400 *	28.0	78.6	150,100 *	30.0	78.6	135,500 *
26.0	77.3	169,000 *	28.0	77.4	152,300 *	30.0	77.5	138,200 *	32.0	77.6	125,600 *
28.0	76.0	154,700 *	30.0	76.2	140,400 *	32.0	76.4	128,300 *	34.0	76.6	117,000 *
30.0	74.6	142,600 *	32.0	75.0	130,200 *	34.0	75.4	119,400 *	36.0	75.6	109,500 *
32.0	73.3	132,200 *	34.0	73.8	121,400 *	36.0	74.3	111,900 *	38.0	74.6	102,900 *
34.0	72.0	122,700	36.0	72.6	112,800	38.0	73.2	104,400	40.0	73.6	96,700
36.0	70.6	113,000	38.0	71.4	104,700	40.0	72.1	97,200	45.0	71.1	82,200
38.0	69.3	104,700	40.0	70.2	97,400	45.0	69.3	82,600	50.0	68.6	71,200
40.0	67.9	97,400	45.0	67.1	82,800	50.0	66.5	71,600	55.0	65.9	62,600
45.0	64.4	82,800	50.0	63.9	71,800	55.0	63.6	63,000	60.0	63.3	55,500
50.0	60.8	72,000	55.0	60.7	63,200	60.0	60.6	56,200	65.0	60.6	50,000
55.0	57.0	63,400	60.0	57.3	56,400	65.0	57.5	50,400	70.0	57.8	45,100
60.0	53.1	56,400	65.0	53.8	50,700	70.0	54.4	45,600	75.0	54.9	41,200
65.0	48.9	50,900	70.0	50.1	46,000	75.0	51.1	41,600	80.0	51.9	37,600
70.0	44.4	46,200	75.0	46.2	41,800	80.0	47.6	38,300	85.0	48.7	34,800
75.0	39.6	42,300	80.0	42.0	38,500	85.0	43.9	35,200	90.0	45.4	32,100
80.0	34.1	38,800 *	85.0	37.4	35,700	90.0	39.9	32,800	95.0	41.9	29,900
			90.0	32.3	32,800 *	95.0	35.6	30,400	100.0	38.1	27,900
						100.0	30.7	27,900 *	105.0	34.0	26,000
Reeves		8	Reeves		7	Reeves		6	Reeves		5

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 on page 23.

CRANE - LIFTING CHART

Main Boom Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

130' Boom			140' Boom			150' Boom			160' 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)
30.0	79.5	134,000 *	32.0	79.4	122,100 *	34.0	79.3	112,600 *	34.0	80.0	110,800 *
32.0	78.6	124,100 *	34.0	78.5	113,500 *	36.0	78.5	105,100 *	36.0	79.3	103,600 *
34.0	77.7	115,500 *	36.0	77.7	106,200 *	38.0	77.8	98,700 *	38.0	78.5	97,000 *
36.0	76.7	108,200 *	38.0	76.9	99,800 *	40.0	77.0	93,000 *	40.0	77.8	91,200 *
38.0	75.8	101,600 *	40.0	76.0	94,100 *	45.0	75.0	81,100 *	45.0	76.0	79,500 *
40.0	74.9	95,600 *	45.0	73.9	81,700	50.0	73.0	70,500	50.0	74.1	70,100
45.0	72.6	82,000	50.0	71.7	70,700	55.0	71.0	61,900	55.0	72.2	61,500
50.0	70.3	70,900	55.0	69.6	62,100	60.0	69.0	54,800	60.0	70.3	54,600
55.0	67.9	62,300	60.0	67.4	55,100	65.0	66.9	49,100	65.0	68.4	48,900
60.0	65.5	55,500	65.0	65.1	49,300	70.0	64.8	44,500	70.0	66.5	44,000
65.0	63.0	49,800	70.0	62.8	44,700	75.0	62.6	40,300	75.0	64.5	40,100
70.0	60.5	44,900	75.0	60.5	40,700	80.0	60.4	37,000	80.0	62.5	36,500
75.0	57.9	41,000	80.0	58.1	37,200	85.0	58.2	33,900	85.0	60.4	33,500
80.0	55.3	37,400	85.0	55.6	34,100	90.0	55.9	31,300	90.0	58.3	30,800
85.0	52.5	34,600	90.0	53.1	31,700	95.0	53.6	29,100	95.0	56.2	28,600
90.0	49.7	31,900	95.0	50.5	29,300	100.0	51.1	26,800	100.0	54.0	26,600
95.0	46.7	29,700	100.0	47.7	27,300	105.0	48.6	25,100	105.0	51.7	24,600
100.0	43.5	27,500	105.0	44.9	25,300	110.0	46.0	23,300	110.0	49.4	23,100
105.0	40.2	25,700	110.0	41.8	23,800	115.0	43.2	22,000	115.0	47.0	21,600
110.0	36.6	24,200	115.0	38.6	22,200	120.0	40.3	20,700	120.0	44.4	20,200
115.0	32.6	22,700 *	120.0	35.2	20,900	125.0	37.2	19,400	125.0	41.8	18,900
			125.0	31.4	19,600 *	130.0	33.9	18,200 *	130.0	39.0	17,800
						135.0	30.2	16,500 *	135.0	36.0	16,700
									140.0	32.8	15,600 *
Reeves		5	Reeves		5	Reeves		4	Reeves		4
170' Boom			180' Boom			190' Boom			200' 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)
36.0	79.9	102,000 *	38.0	79.8	88,400 *	40.0	79.8	88,100 *	45.0	78.8	75,100 *
38.0	79.2	95,600 *	40.0	79.2	88,400 *	45.0	78.2	76,400 *	50.0	77.3	66,100 *
40.0	78.5	89,900 *	45.0	77.6	77,600 *	50.0	76.7	67,200 *	55.0	75.9	58,800 *
45.0	76.8	78,200 *	50.0	75.9	68,500 *	55.0	75.1	59,900 *	60.0	74.4	52,900 *
50.0	75.1	69,200 *	55.0	74.3	61,000 *	60.0	73.5	53,700	65.0	72.9	47,600
55.0	73.3	61,200	60.0	72.6	54,000	65.0	72.0	48,000	70.0	71.4	42,900
60.0	71.5	54,200	65.0	70.9	48,200	70.0	70.4	43,200	75.0	69.9	38,800
65.0	69.7	48,500	70.0	69.2	43,600	75.0	68.7	39,200	80.0	68.3	35,200
70.0	67.9	43,800	75.0	67.5	39,400	80.0	67.1	35,700	85.0	66.8	32,400
75.0	66.1	39,600	80.0	65.8	36,100	85.0	65.5	32,600	90.0	65.2	29,700
80.0	64.2	36,300	85.0	64.0	33,000	90.0	63.8	29,900	95.0	63.6	27,300
85.0	62.3	33,200	90.0	62.2	30,400	95.0	62.1	27,700	100.0	62.0	25,300
90.0	60.4	30,600	95.0	60.4	27,900	100.0	60.4	25,500	105.0	60.3	23,300
95.0	58.4	28,200	100.0	58.5	26,000	105.0	58.6	23,800	110.0	58.7	21,800
100.0	56.4	26,200	105.0	56.6	24,000	110.0	56.8	22,000	115.0	57.0	20,200
105.0	54.4	24,400	110.0	54.7	22,400	115.0	55.0	20,500	120.0	55.2	18,700
110.0	52.2	22,700	115.0	52.7	20,900	120.0	53.1	19,100	125.0	53.5	17,600
115.0	50.1	21,100	120.0	50.6	19,600	125.0	51.2	18,000	130.0	51.6	16,500
120.0	47.8	19,800	125.0	48.5	18,200	130.0	49.2	16,700	135.0	49.8	15,400
125.0	45.5	18,700	130.0	46.4	17,100	135.0	47.2	15,800	140.0	47.9	14,300
130.0	43.0	17,400	135.0	44.1	16,000	140.0	45.0	14,700	145.0	45.9	13,400
135.0	40.5	16,500	140.0	41.7	15,200	145.0	42.9	13,800	150.0	43.8	12,700
140.0	37.8	15,400	145.0	39.3	14,300	150.0	40.6	13,000	155.0	41.7	11,900
145.0	34.9	14,500	150.0	36.6	13,400 *	155.0	38.2	12,300 *	160.0	39.5	11,200 *
150.0	31.8	13,200 *	155.0	33.8	12,300 *	160.0	35.6	11,200 *	165.0	37.1	10,300 *
			160.0	30.8	11,000 *	165.0	32.9	10,100 *	170.0	34.7	9,200 *
						170.0	30.0	9,000 *	175.0	32.0	8,300 *
Reeves		4	Reeves		3	Reeves		3	Reeves		3

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 on page 23.

CRANE - LIFTING CHART

Main Boom Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

210' Boom			220' Boom			230' Boom			240' 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)
45.0	79.4	73,800 *	45.0	79.8	58,800 *	50.0	79.0	58,800 *	50.0	79.5	54,400 *
50.0	78.0	65,000 *	50.0	78.5	58,800 *	55.0	77.7	55,700 *	55.0	78.3	51,300 *
55.0	76.6	57,700 *	55.0	77.2	57,700 *	60.0	76.5	50,700 *	60.0	77.0	48,200 *
60.0	75.1	51,800 *	60.0	75.8	51,800 *	65.0	75.2	45,800 *	65.0	75.8	44,700 *
65.0	73.7	46,900 *	65.0	74.5	46,700 *	70.0	73.9	41,400 *	70.0	74.6	40,500 *
70.0	72.3	42,500	70.0	73.1	42,300 *	75.0	72.6	37,900 *	75.0	73.3	37,000 *
75.0	70.9	38,300	75.0	71.8	38,300	80.0	71.3	34,600	80.0	72.1	33,700 *
80.0	69.4	34,800	80.0	70.4	34,800	85.0	69.9	31,500	85.0	70.8	31,000 *
85.0	67.9	31,900	85.0	69.0	31,700	90.0	68.6	28,800	90.0	69.5	28,400
90.0	66.5	29,300	90.0	67.6	29,100	95.0	67.3	26,400	95.0	68.3	26,000
95.0	64.9	26,800	95.0	66.2	26,800	100.0	65.9	24,400	100.0	67.0	24,000
100.0	63.4	24,900	100.0	64.7	24,600	105.0	64.5	22,400	105.0	65.7	22,000
105.0	61.9	22,900	105.0	63.3	22,900	110.0	63.1	20,900	110.0	64.3	20,500
110.0	60.3	21,300	110.0	61.8	21,100	115.0	61.7	19,400	115.0	63.0	18,900
115.0	58.7	19,800	115.0	60.3	19,600	120.0	60.3	17,800	120.0	61.7	17,600
120.0	57.1	18,500	120.0	58.8	18,200	125.0	58.8	16,700	125.0	60.3	16,300
125.0	55.5	17,100	125.0	57.2	16,900	130.0	57.4	15,400	130.0	58.9	15,200
130.0	53.8	16,000	130.0	55.7	15,800	135.0	55.9	14,500	135.0	57.5	14,100
135.0	52.1	14,900	135.0	54.1	14,700	140.0	54.3	13,400	140.0	56.0	13,000
140.0	50.3	13,800	140.0	52.4	13,800	145.0	52.8	12,500	145.0	54.6	12,100
145.0	48.5	13,000	145.0	50.8	13,000	150.0	51.2	11,600	150.0	53.1	11,000
150.0	46.6	12,300	150.0	49.1	12,100	155.0	49.6	10,800	155.0	51.6	10,300
155.0	44.7	11,400	155.0	47.3	11,200	160.0	47.9	9,900	160.0	50.0	9,400
160.0	42.7	10,500	160.0	45.5	10,300	165.0	46.2	9,200	165.0	48.5	8,800
165.0	40.6	9,900	165.0	43.6	9,700	170.0	44.4	8,500	170.0	46.8	7,900
170.0	38.5	9,200 *	170.0	41.7	9,000 *	175.0	42.6	7,900 *	175.0	45.2	7,200
175.0	36.2	8,100 *	175.0	39.7	8,100 *	180.0	40.7	7,000 *	180.0	43.4	6,800 *
180.0	33.8	7,200 *	180.0	37.6	7,200 *	185.0	38.7	6,300 *	185.0	41.7	6,100 *
185.0	31.2	6,300 *	185.0	35.3	6,600 *	190.0	36.7	5,700 *	190.0	39.8	5,200 *
			190.0	33.0	5,700 *	195.0	34.5	4,800 *	195.0	37.9	4,600 *
			195.0	30.5	4,800 *	200.0	32.2	4,100 *			
Reeves		3	Reeves		2	Reeves		2	Reeves		2
250' Boom											
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)									
50.0	79.9	50,200 *									
55.0	78.7	47,300 *									
60.0	77.6	44,500 *									
65.0	76.4	42,100 *									
70.0	75.2	39,600 *									
75.0	74.0	36,100 *									
80.0	72.8	33,000 *									
85.0	71.6	30,200 *									
90.0	70.4	27,900 *									
95.0	69.2	25,700 *									
100.0	67.9	23,500									
105.0	66.7	21,800									
110.0	65.4	20,000									
115.0	64.2	18,500									
120.0	62.9	17,100									
125.0	61.6	15,800									
130.0	60.3	14,700									
135.0	58.9	13,600									
140.0	57.6	12,500									
145.0	56.2	11,600									
150.0	54.8	10,800									
155.0	53.4	9,900									
160.0	51.9	9,000									
165.0	50.5	8,300									
170.0	49.0	7,400									
175.0	47.4	6,800									
180.0	45.8	6,300 *									
185.0	44.2	5,700 *									
190.0	42.5	5,000 *									
195.0	40.8	4,400 *									
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 on page 23.

CRANE - LIFTING CHART

Fixed Jib Lift Capacity (without main hook)

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

90' Boom																	
Load Radius (ft)	40 ft Jib				60 ft Jib				80 ft Jib				100 ft Jib				Load Radius (ft)
	Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				
	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)	
34	79.5	59,000*															34
36	78.6	59,000*															36
38	77.7	59,000*															38
40	76.8	59,000*			79.6	42,500*											40
42	75.8	58,800*			78.8	42,200*											42
44	74.9	58,200*			78.0	42,000*											44
46	74.0	57,600*	79.5	40,100*	77.2	41,700*			79.7	22,000*							46
48	73.1	57,000*	78.5	39,200*	76.5	41,500*			79.0	21,800*							48
50	72.2	56,400*	77.5	38,200*	75.7	41,300*			78.3	21,600*			79.6	13,200*			50
55	69.8	55,100*	75.1	36,100*	73.7	40,300*			76.6	21,300*			78.1	13,000*			55
60	67.4	53,900*	72.7	34,300*	71.6	39,300*	78.8	27,000*	74.8	20,900*			76.5	12,700*			60
65	65.0	51,000*	70.2	32,600*	69.6	38,400*	76.6	25,500*	73.0	20,600*			75.0	12,400*			65
70	62.5	47,200	67.6	31,200*	67.5	36,100*	74.5	24,200*	71.2	20,000*	79.7	16,700*	73.4	12,100*			70
75	59.9	43,100	64.9	29,800*	65.4	33,600*	72.3	23,100*	69.4	19,400*	77.8	16,300*	71.8	11,600*			75
80	57.3	39,600	62.2	28,700*	63.2	31,500*	70.0	22,000*	67.5	18,700*	75.9	15,900*	70.1	11,200*	79.8	9,100*	80
85	54.5	36,600	59.4	27,600*	61.0	29,600*	67.7	21,100*	65.7	18,100*	74.0	15,500*	68.5	10,800*	78.1	8,900*	85
90	51.7	33,900	56.5	26,700*	58.7	27,900*	65.4	20,200*	63.7	17,600*	72.0	15,200*	66.8	10,400*	76.4	8,600*	90
95	48.8	31,600	53.4	25,900*	56.3	26,400*	62.9	19,400*	61.8	17,100*	69.9	14,900*	65.1	10,000*	74.6	8,400*	95
100	45.6	29,500	50.1	25,100*	53.9	25,100*	60.4	18,700*	59.8	16,600*	67.9	14,500*	63.4	9,700*	72.8	8,200*	100
105	42.3	27,700	46.6	24,500*	51.4	23,900*	57.8	18,100*	57.7	16,200*	65.7	13,900*	61.7	9,400*	71.0	8,000*	105
110	38.8	26,000	42.9	23,900*	48.8	22,800*	55.1	17,500*	55.6	15,800*	63.5	13,500*	59.9	9,100*	69.2	7,800*	110
115	34.9	24,400*			46.1	21,800*	52.2	17,000*	53.5	15,400*	61.3	13,000*	58.1	8,800*	67.3	7,600*	115
120	30.6	21,900*			43.2	20,900*	49.2	16,600*	51.2	15,000*	58.9	12,600*	56.2	8,500*	65.4	7,400*	120
125					40.2	20,100*	45.9	16,100*	48.9	14,700*	56.5	12,200*	54.3	8,300*	63.4	7,300*	125
130					36.9	19,400*	42.3	15,800*	46.5	14,400*	53.9	11,900*	52.3	8,100*	61.3	7,100*	130
135					33.3	18,700*			43.9	14,100*	51.2	11,500*	50.3	7,900*	59.2	7,000*	135
140									41.3	13,900*	48.3	11,200*	48.2	7,700*	57.0	6,900*	140
145									38.4	13,600*	45.2	11,000*	46.0	7,500*	54.7	6,800*	145
150									35.4	13,400*	41.9	10,800*	43.8	7,300*	52.3	6,700*	150
155									32.0	13,200*			41.4	7,100*	49.8	6,600*	155
160													38.9	7,000*	47.1	6,500*	160
165													36.2	6,900*	44.2	6,500*	165
170													33.3	6,700*	41.0	6,400*	170
175													30.2	6,600*			175
Reeves	2		2		2		1		1		1		1		1		Reeves

100' Boom																	
Load Radius (ft)	40 ft Jib				60 ft Jib				80 ft Jib				100 ft Jib				Load Radius (ft)
	Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				
	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)	
36	79.4	59,000*															36
38	78.6	59,000*															38
40	77.7	59,000*															40
42	76.9	59,000*			79.5	42,400*											42
44	76.0	58,900*			78.8	42,200*											44
46	75.2	58,300*			78.1	41,900*											46
48	74.3	57,700*	79.4	40,000*	77.3	41,700*			79.6	21,900*							48
50	73.5	57,200*	78.5	39,100*	76.6	41,500*			79.0	21,800*							50
55	71.3	55,900*	76.3	37,100*	74.7	40,800*			77.3	21,400*			78.7	13,100*			55
60	69.1	54,700*	74.0	35,200*	72.8	39,900*	79.5	27,600*	75.7	21,100*			77.2	12,800*			60
65	66.9	51,600	71.7	33,600*	70.9	39,000*	77.6	26,100*	74.0	20,800*			75.7	12,500*			65
70	64.6	46,900	69.4	32,100*	69.0	38,000*	75.6	24,900*	72.3	20,500*			74.2	12,300*			70
75	62.3	42,800	67.0	30,800*	67.0	35,500*	73.5	23,700*	70.6	19,800*	78.6	16,400*	72.7	11,900*			75
80	59.9	39,300	64.6	29,600*	65.0	33,200*	71.5	22,700*	68.9	19,200*	76.8	16,000*	71.2	11,500*			80
85	57.5	36,300	62.0	28,600*	63.0	31,300*	69.4	21,700*	67.1	18,600*	75.0	15,700*	69.6	11,000*	78.7	8,900*	85
90	55.0	33,600	59.4	27,600*	60.9	29,500*	67.2	20,800*	65.3	18,000*	73.1	15,400*	68.1	10,700*	77.1	8,700*	90
95	52.4	31,300	56.7	26,800*	58.8	27,900*	65.0	20,100*	63.5	17,500*	71.2	15,100*	66.5	10,300*	75.5	8,500*	95
100	49.6	29,200	53.9	26,000*	56.6	26,600*	62.7	19,400*	61.7	17,100*	69.3	14,800*	64.9	10,000*	73.8	8,300*	100
105	46.8	27,300	51.0	25,300*	54.3	25,300*	60.4	18,700*	59.8	16,600*	67.4	14,300*	63.2	9,700*	72.1	8,100*	105
110	43.8	25,600	47.9	24,700*	52.0	24,100*	58.0	18,100*	57.9	16,200*	65.4	13,800*	61.6	9,300*	70.4	7,900*	110
115	40.7	24,100	44.5	24,100*	49.6	23,100*	55.5	17,600*	55.9	15,800*	63.3	13,400*	59.9	9,100*	68.7	7,700*	115
120	37.3	22,700	40.9	23,000	47.1	22,100*	52.8	17,100*	53.9	15,400*	61.2	13,000*	58.2	8,800*	66.9	7,500*	120
125	33.5	21,100*			44.5	21,300*	50.1	16,700*	51.8	15,100*	59.0	12,600*	56.4	8,500*	65.1	7,400*	125
130					41.7	20,500*	47.1	16,300*	49.6	14,800*	56.7	12,200*	54.6	8,300*	63.2	7,200*	130
135					38.8	19,700	43.9	15,900*	47.4	14,500*	54.3	11,900*	52.7	8,100*	61.3	7,100*	135
140					35.6	18,600*	40.5	15,600*	45.0	14,200*	51.9	11,600*	50.8	7,900*	59.3	7,000*	140
145					32.1	17,000*			42.6	14,000*	49.2	11,300*	48.9	7,700*	57.2	6,900*	145
150									40.0	13,700*	46.4	11,100*	46.8	7,500*	55.1	6,800*	150
155									37.2	13,500*	43.4	10,800*	44.7	7,400*	52.8	6,700*	155
160									34.2	13,300*	40.2	10,600*	42.5	7,200*	50.5	6,600*	160
165									31.0	13,200*			40.2	7,000*	48.0	6,500*	165
170													37.8	6,900*	45.4	6,500*	170
175													35.2	6,800*	42.6	6,400*	175
180													32.4	6,700*			180
Reeves	2		2		2		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 on page 23.

CRANE - LIFTING CHART

Fixed Jib Lift Capacity (without main hook)

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

110' Boom																	
Load Radius (ft)	40 ft Jib				60 ft Jib				80 ft Jib				100 ft Jib				Load Radius (ft)
	Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				
	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)		
38	79.3	59,000*														38	
40	78.6	59,000*														40	
42	77.8	59,000*														42	
44	77.0	59,000*			79.5	42,300*										44	
46	76.2	58,900*			78.8	42,100*										46	
48	75.4	58,400*			78.1	41,900*										48	
50	74.6	57,800*	79.3	39,900*	77.4	41,700*		79.6	21,900*							50	
55	72.6	56,600*	77.3	37,900*	75.6	41,200*		78.0	21,600*			79.3	13,100*			55	
60	70.6	55,400*	75.2	36,100*	73.9	40,300*		76.5	21,200*			77.8	12,900*			60	
65	68.5	51,300	73.1	34,500*	72.1	39,500*	78.4	26,700*	74.9	20,900*		76.4	12,600*			65	
70	66.4	46,500	70.9	33,000*	70.3	38,600*	76.5	25,400*	73.3	20,600*		75.0	12,400*			70	
75	64.3	42,500	68.8	31,700*	68.5	37,300*	74.6	24,300*	71.7	20,200*	79.2	16,600*	73.6	12,200*		75	
80	62.1	38,900	66.5	30,500*	66.6	35,000*	72.7	23,300*	70.1	19,600*	77.6	16,200*	72.1	11,700*		80	
85	59.9	35,900	64.2	29,500*	64.7	32,900*	70.8	22,300*	68.4	19,000*	75.9	15,800*	70.7	11,300*	79.3	9,000*	85
90	57.6	33,300	61.9	28,500*	62.8	31,100*	68.8	21,400*	66.8	18,400*	74.1	15,500*	69.2	10,900*	77.8	8,800*	90
95	55.3	30,900	59.5	27,600*	60.8	29,400*	66.8	20,700*	65.1	17,900*	72.4	15,200*	67.7	10,600*	76.3	8,500*	95
100	52.9	28,800	57.0	26,800*	58.8	28,000*	64.7	19,900*	63.3	17,500*	70.6	14,900*	66.2	10,200*	74.7	8,300*	100
105	50.4	27,000	54.4	26,100*	56.8	26,600*	62.6	19,300*	61.6	17,000*	68.8	14,700*	64.6	9,900*	73.1	8,200*	105
110	47.8	25,300	51.7	25,400*	54.7	25,400*	60.4	18,700*	59.8	16,600*	66.9	14,200*	63.1	9,600*	71.5	8,000*	110
115	45.1	23,800	48.9	24,100	52.5	24,200	58.1	18,100*	58.0	16,200*	65.0	13,800*	61.5	9,300*	69.9	7,800*	115
120	42.2	22,400	45.9	22,700	50.3	22,800	55.8	17,600*	56.1	15,800*	63.1	13,300*	59.9	9,100*	68.2	7,600*	120
125	39.2	21,100	42.6	21,400	48.0	21,500	53.3	17,200*	54.2	15,500*	61.1	12,900*	58.3	8,800*	66.5	7,500*	125
130	35.9	20,000			45.6	20,400	50.8	16,700*	52.2	15,200*	59.1	12,600*	56.6	8,600*	64.8	7,300*	130
135	32.3	18,200*			43.0	19,300	48.1	16,400*	50.2	14,900*	56.9	12,200*	54.9	8,300*	63.0	7,200*	135
140					40.4	18,300	45.3	16,000*	48.1	14,600*	54.7	11,900*	53.1	8,100*	61.2	7,100*	140
145					37.5	17,400	42.2	15,700*	45.9	14,300*	52.4	11,600*	51.3	7,900*	59.3	7,000*	145
150					34.4	16,200*			43.7	14,100*	50.0	11,400*	49.5	7,800*	57.4	6,900*	150
155					31.1	14,800*			41.3	13,800*	47.5	11,100*	47.6	7,600*	55.4	6,800*	155
160									38.8	13,600*	44.7	10,900*	45.6	7,400*	53.3	6,700*	160
165									36.1	13,400*	41.8	10,700*	43.5	7,200*	51.1	6,600*	165
170									33.2	13,300*			41.4	7,100*	48.8	6,500*	170
175									30.0	12,500*			39.2	7,000*	46.4	6,500*	175
180													36.8	6,900*	43.8	6,400*	180
185													34.2	6,700*	41.1	6,400*	185
190													31.5	6,700*			190
Reeves	2		2		2		1		1		1		1		1		Reeves

120' Boom																	
Load Radius (ft)	40 ft Jib				60 ft Jib				80 ft Jib				100 ft Jib				Load Radius (ft)
	Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				
	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)		
38	80.0	59,000*														38	
40	79.3	59,000*														40	
42	78.5	59,000*														42	
44	77.8	59,000*														44	
46	77.1	59,000*			79.4	42,300*										46	
48	76.3	59,000*			78.8	42,100*										48	
50	75.6	58,500*	80.0	40,600*	78.1	41,900*										50	
55	73.7	57,200*	78.1	38,700*	76.5	41,400*		78.6	21,700*			79.7	13,200*			55	
60	71.8	56,100*	76.2	36,900*	74.8	40,700*		77.2	21,400*			78.4	13,000*			60	
65	69.9	50,900	74.2	35,300*	73.1	39,900*	79.1	27,200*	75.7	21,000*		77.1	12,700*			65	
70	68.0	46,100	72.2	33,900*	71.4	39,100*	77.3	25,900*	74.2	20,800*		75.7	12,500*			70	
75	66.0	42,000	70.2	32,600*	69.7	38,400*	75.6	24,800*	72.7	20,500*	79.8	16,700*	74.4	12,300*		75	
80	64.0	38,500	68.2	31,400*	68.0	36,600*	73.8	23,800*	71.1	19,900*	78.2	16,300*	73.0	12,000*		80	
85	62.0	35,400	66.1	30,300*	66.2	34,500*	72.0	22,900*	69.6	19,400*	76.6	16,000*	71.6	11,500*	79.9	9,100*	85
90	59.9	32,800	64.0	29,300*	64.5	32,600*	70.1	22,000*	68.0	18,800*	75.0	15,700*	70.2	11,100*	78.4	8,900*	90
95	57.8	30,400	61.8	28,400*	62.6	30,900*	68.3	21,200*	66.4	18,300*	73.4	15,400*	68.8	10,800*	77.0	8,600*	95
100	55.6	28,300	59.5	27,600*	60.8	28,800	66.3	20,500*	64.8	17,900*	71.7	15,100*	67.3	10,500*	75.5	8,400*	100
105	53.4	26,500	57.2	26,800*	58.9	26,900	64.4	19,800*	63.2	17,400*	70.0	14,900*	65.9	10,100*	74.0	8,200*	105
110	51.1	24,800	54.8	25,300	57.0	25,200	62.4	19,200*	61.5	17,000*	68.3	14,600*	64.4	9,800*	72.5	8,100*	110
115	48.7	23,300	52.3	23,700	55.0	23,700	60.3	18,700*	59.8	16,600*	66.6	14,100*	62.9	9,600*	71.0	7,900*	115
120	46.2	21,900	49.7	22,300	53.0	22,300	58.2	18,200*	58.1	16,200*	64.8	13,700*	61.4	9,300*	69.4	7,700*	120
125	43.5	20,600	47.0	21,000	50.9	21,000	56.1	17,700*	56.3	15,900*	62.9	13,300*	59.9	9,000*	67.8	7,600*	125
130	40.8	19,500	44.1	19,800	48.7	19,900	53.8	17,200*	54.5	15,500*	61.0	12,900*	58.3	8,800*	66.2	7,400*	130
135	37.8	18,400	41.0	18,700	46.5	18,800	51.4	16,800*	52.7	15,200*	59.1	12,600*	56.7	8,600*	64.5	7,300*	135
140	34.7	17,100*			44.1	17,800	49.0	16,500*	50.8	14,900*	57.1	12,300*	55.1	8,300*	62.8	7,200*	140
145	31.2	15,500*			41.7	16,900	46.4	16,200*	48.8	14,700*	55.0	11,900*	53.5	8,200*	61.1	7,100*	145
150					39.1	16,100	43.6	15,800*	46.8	14,400*	52.9	11,700*	51.8	8,000*	59.3	7,000*	150
155					36.4	15,100*	40.6	15,600*	44.6	14,100*	50.7	11,400*	50.0	7,800*	57.5	6,900*	155
160					33.4	13,800*			42.4	13,900*	48.3	11,200*	48.2	7,600*	55.6	6,800*	160
165					30.1	12,600*			40.1	13,700*	45.8	11,000*	46.4	7,500*	53.7	6,700*	165
170									37.7	13,500*	43.2	10,800*	44.4	7,300*	51.6	6,600*	170
175									35.1	12,700*	40.3	10,600*	42.4	7,200*	49.5	6,500*	175
180									32.3	11,700*			40.3	7,000*	47.3	6,500*	180
185													38.2	6,900*	44.9	6,400*	185
190													35.8	6,800*	42.4	6,400*	190
195													33.4	6,700*			195
200													30.7	6,600*			200
Reeves	2		2		2		1		1		1		1		1		Reeves

CRANE - LIFTING CHART

Fixed Jib Lift Capacity (without main hook)

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

130' Boom																	
Load Radius (ft)	40 ft Jib				60 ft Jib				80 ft Jib				100 ft Jib				Load Radius (ft)
	Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				
	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)	
40	79.9	59,000*															40
42	79.2	59,000*															42
44	78.5	59,000*															44
46	77.9	59,000*			80.0	42,400*											46
48	77.2	59,000*			79.4	42,200*											48
50	76.5	59,000*			78.7	42,000*											50
55	74.7	57,800*	78.8	39,400*	77.2	41,600*			79.2	21,800*							55
60	73.0	56,400	77.0	37,600*	75.6	41,100*			77.8	21,500*			78.9	13,000*			60
65	71.2	50,600	75.2	36,100*	74.1	40,300*	79.7	27,700*	76.4	21,200*			77.6	12,800*			65
70	69.4	45,800	73.4	34,600*	72.5	39,500*	78.0	26,400*	74.9	20,900*			76.4	12,600*			70
75	67.5	41,700	71.5	33,300*	70.9	38,800*	76.4	25,300*	73.5	20,600*			75.1	12,400*			75
80	65.7	38,200	69.6	32,200*	69.2	38,100*	74.7	24,300*	72.1	20,300*	78.9	16,400*	73.7	12,200*			80
85	63.8	35,100	67.7	31,100*	67.6	35,700	73.0	23,400*	70.6	19,700*	77.3	16,100*	72.4	11,800*			85
90	61.9	32,500	65.7	30,100*	65.9	33,000	71.3	22,500*	69.1	19,200*	75.8	15,800*	71.1	11,400*	79.0	8,900*	90
95	59.9	30,100	63.7	29,200*	64.2	30,600	69.6	21,800*	67.6	18,700*	74.3	15,500*	69.8	11,000*	77.6	8,700*	95
100	57.9	28,000	61.7	28,300*	62.5	28,500	67.8	21,000*	66.1	18,200*	72.7	15,200*	68.4	10,700*	76.2	8,500*	100
105	55.9	26,100	59.6	26,800	60.8	26,600	66.0	20,400*	64.6	17,800*	71.1	15,000*	67.0	10,400*	74.8	8,300*	105
110	53.8	24,500	57.4	25,000	59.0	24,900	64.1	19,700*	63.0	17,300*	69.5	14,800*	65.6	10,100*	73.4	8,200*	110
115	51.6	22,900	55.2	23,400	57.1	23,400	62.3	19,200*	61.4	16,900*	67.9	14,400*	64.2	9,800*	71.9	8,000*	115
120	49.4	21,600	52.8	22,000	55.3	22,000	60.3	18,600*	59.8	16,600*	66.2	14,000*	62.8	9,500*	70.4	7,800*	120
125	47.1	20,300	50.4	20,700	53.4	20,700	58.3	18,200*	58.2	16,200*	64.5	13,600*	61.4	9,300*	68.9	7,700*	125
130	44.7	19,100	47.9	19,500	51.4	19,500	56.3	17,700*	56.5	15,900*	62.8	13,200*	59.9	9,000*	67.4	7,500*	130
135	42.1	18,100	45.3	18,400	49.4	18,500	54.2	17,300*	54.8	15,600*	61.0	12,900*	58.4	8,800*	65.9	7,400*	135
140	39.4	17,100	42.5	17,300	47.3	17,500	52.0	16,900*	53.0	15,300*	59.2	12,600*	56.9	8,600*	64.3	7,300*	140
145	36.6	16,000*			45.1	16,600	49.7	16,600*	51.2	15,000*	57.3	12,300*	55.3	8,400*	62.7	7,200*	145
150	33.5	14,600*			42.8	15,700	47.3	16,200*	49.4	14,700*	55.3	12,000*	53.8	8,200*	61.1	7,000*	150
155	30.2	13,200*			40.5	14,900	44.8	15,500	47.5	14,500*	53.3	11,700*	52.1	8,000*	59.4	6,900*	155
160					38.0	14,100*	42.1	14,700	45.5	14,200*	51.2	11,500*	50.5	7,800*	57.6	6,900*	160
165					35.3	13,000*			43.4	13,900	49.1	11,200*	48.8	7,700*	55.9	6,800*	165
170					32.4	11,900*			41.3	13,300	46.8	11,000*	47.0	7,500*	54.0	6,700*	170
175									39.0	12,700	44.3	10,900*	45.2	7,400*	52.1	6,600*	175
180									36.7	11,900*	41.8	10,700*	43.3	7,200*	50.1	6,500*	180
185									34.1	11,000*			41.4	7,100*	48.1	6,500*	185
190									31.4	10,000*			39.4	7,000*	45.9	6,400*	190
195													37.2	6,900*	43.6	6,400*	195
200													35.0	6,800*	41.1	6,400*	200
205													32.5	6,700*			205
Reeves	2		2		2		1		1		1		1		1		Reeves

140' Boom																	
Load Radius (ft)	40 ft Jib				60 ft Jib				80 ft Jib				100 ft Jib				Load Radius (ft)
	Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				
	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)	
42	79.8	59,000*															42
44	79.2	59,000*															44
46	78.5	59,000*															46
48	77.9	59,000*			79.9	42,400*											48
50	77.2	59,000*			79.3	42,200*											50
55	75.6	58,400*	79.5	40,000*	77.8	41,700*			79.7	21,900*							55
60	73.9	56,100	77.8	38,300*	76.4	41,300*			78.4	21,600*			79.4	13,100*			60
65	72.3	50,300	76.1	36,700*	74.9	40,700*			77.0	21,300*			78.2	12,900*			65
70	70.6	45,500	74.4	35,400*	73.4	39,900*	78.7	26,900*	75.7	21,000*			76.9	12,700*			70
75	68.9	41,400	72.6	34,100*	71.9	39,200*	77.1	25,800*	74.3	20,800*			75.7	12,500*			75
80	67.1	37,800	70.9	32,900*	70.3	38,400	75.6	24,800*	72.9	20,500*	79.4	16,500*	74.4	12,300*			80
85	65.4	34,800	69.1	31,800*	68.8	35,300	74.0	23,900*	71.5	20,100*	78.0	16,200*	73.2	12,000*			85
90	63.6	32,100	67.2	30,800*	67.2	32,600	72.4	23,000*	70.1	19,500*	76.5	15,900*	71.9	11,600*	79.5	9,000*	90
95	61.8	29,800	65.4	29,900*	65.6	30,300	70.7	22,200*	68.7	19,000*	75.1	15,600*	70.6	11,300*	78.2	8,800*	95
100	59.9	27,700	63.5	28,400	64.0	28,200	69.1	21,500*	67.3	18,600*	73.6	15,400*	69.4	10,900*	76.8	8,600*	100
105	58.0	25,800	61.6	26,500	62.4	26,300	67.4	20,800*	65.8	18,100*	72.1	15,100*	68.1	10,600*	75.5	8,400*	105
110	56.1	24,100	59.6	24,700	60.7	24,600	65.7	20,200*	64.4	17,700*	70.6	14,900*	66.7	10,300*	74.1	8,200*	110
115	54.1	22,600	57.5	23,100	59.0	23,000	63.9	19,700*	62.9	17,300*	69.1	14,700*	65.4	10,000*	72.8	8,100*	115
120	52.1	21,200	55.5	21,700	57.3	21,600	62.1	19,100*	61.4	16,900*	67.5	14,300*	64.1	9,700*	71.4	7,900*	120
125	50.0	19,900	53.3	20,400	55.5	20,300	60.3	18,600*	59.8	16,600*	65.9	13,900*	62.7	9,500*	70.0	7,800*	125
130	47.9	18,800	51.1	19,200	53.7	19,200	58.4	18,200*	58.3	16,200*	64.3	13,500*	62.7	9,200*	68.5	7,600*	130
135	45.6	17,700	48.7	18,000	51.9	18,100	56.5	17,700*	56.7	15,900*	62.6	13,200*	59.9	9,000*	67.1	7,500*	135
140	43.3	16,700	46.3	17,000	50.0	17,100	54.5	17,300*	55.0	15,600*	60.9	12,800*	58.5	8,800*	65.6	7,400*	140
145	40.8	15,800	43.7	16,100	48.0	16,200	52.5	16,900	53.4	15,300*	59.2	12,500*	57.0	8,600*	64.1	7,200*	145
150	38.3	14,900*	41.0	15,200	46.0	15,300	50.3	16,000	51.7	15,000*	57.4	12,300*	55.5	8,400*	62.6	7,100*	150
155	35.5	13,600*			43.9	14,600	48.1	15,200	49.9	14,800*	55.6	12,000*	54.0	8,200*	61.0	7,000*	155
160	32.5	12,400*			41.7	13,800	45.8	14,400	48.1	14,300	53.7	11,700*	52.5	8,000*	59.4	6,900*	160
165					39.3	13,000*	43.3	13,700	46.3	13,600	51.7	11,500*	50.9	7,900*	57.8	6,900*	165
170					36.9	12,100*	40.7	13,000	44.3	13,000	49.7	11,300*	49.3	7,700*	56.1	6,800*	170
175					34.3	11,100*			42.3	12,300	47.6	11,100*	47.6	7,600*	54.3	6,700*	175
180					31.5	10,100*			40.2	11,800	45.3	10,900*	45.9	7,400*	52.5	6,600*	180
185									38.1	11,000*	43.0	10,800*	44.2	7,300*	50.7	6,500*	185
190									35.7	10,200*							

CRANE - LIFTING CHART

Fixed Jib Lift Capacity (without main hook)

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

150' Boom																	
Load Radius (ft)	40 ft Jib				60 ft Jib				80 ft Jib				100 ft Jib				Load Radius (ft)
	Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				
	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)	
44	79.8	59,000*															44
46	79.1	59,000*															46
48	78.5	59,000*															48
50	77.9	59,000*			79.8	42,300*											50
55	76.4	58,900*			78.4	41,900*											55
60	74.8	55,700	78.5	38,900*	77.0	41,500*			78.9	21,700*			79.8	13,200*			60
65	73.2	49,900	76.9	37,400*	75.6	41,000*			77.6	21,400*			78.7	13,000*			65
70	71.6	45,000	75.3	36,000*	74.2	40,300*	79.3	27,300*	76.3	21,100*			77.5	12,800*			70
75	70.0	40,900	73.6	34,700*	72.8	39,600*	77.8	26,200*	75.0	20,900*			76.3	12,600*			75
80	68.4	37,400	72.0	33,600*	71.3	38,000	76.3	25,200*	73.7	20,600*	79.9	16,600*	75.1	12,400*			80
85	66.8	34,300	70.3	32,500*	69.8	34,900	74.8	24,300*	72.4	20,400*	78.5	16,300*	73.9	12,200*			85
90	65.1	31,700	68.6	31,500*	68.4	32,200	73.3	23,500*	71.0	19,900*	77.2	16,000*	72.7	11,800*	79.9	9,000*	90
95	63.4	29,300	66.9	30,200	66.9	29,800	71.7	22,700*	69.7	19,400*	75.8	15,800*	71.5	11,500*	78.7	8,800*	95
100	61.7	27,200	65.1	28,000	65.4	27,700	70.2	22,000*	68.3	18,900*	74.4	15,500*	70.2	11,100*	77.4	8,700*	100
105	59.9	25,300	63.3	26,100	63.8	25,800	68.6	21,300*	67.0	18,400*	73.0	15,300*	69.0	10,800*	76.1	8,500*	105
110	58.2	23,600	61.5	24,300	62.3	24,100	67.0	20,700*	65.6	18,000*	71.6	15,000*	67.7	10,500*	74.9	8,300*	110
115	56.3	22,100	59.6	22,700	60.7	22,600	65.4	20,100*	64.2	17,600*	70.1	14,800*	66.5	10,200*	73.6	8,200*	115
120	54.5	20,700	57.7	21,300	59.1	21,200	63.7	19,600*	62.7	17,300*	68.6	14,600*	65.2	9,900*	72.2	8,000*	120
125	52.6	19,400	55.7	20,000	57.4	19,900	62.0	19,100*	61.3	16,900*	67.1	14,200*	63.9	9,700*	70.9	7,800*	125
130	50.6	18,300	53.7	18,800	55.8	18,700	60.3	18,600*	59.8	16,600*	65.6	13,800*	62.6	9,500*	69.5	7,700*	130
135	48.6	17,200	51.6	17,600	54.0	17,600	58.5	18,200*	58.3	16,200*	64.1	13,500*	61.3	9,200*	68.2	7,600*	135
140	46.5	16,200	49.4	16,600	52.3	16,600	56.7	17,500	56.8	15,900*	62.5	13,100*	59.9	9,000*	66.8	7,400*	140
145	44.3	15,300	47.2	15,600	50.5	15,700	54.8	16,600	55.3	15,600*	60.9	12,800*	58.5	8,800*	65.4	7,300*	145
150	42.0	14,500	44.8	14,800	48.6	14,900	52.9	15,600	53.7	15,300*	59.2	12,500*	57.2	8,600*	63.9	7,200*	150
155	39.7	13,500*	42.3	13,900	46.7	14,100	50.9	14,800	52.1	14,600	57.6	12,300*	55.7	8,400*	62.5	7,100*	155
160	37.2	12,400*			44.8	13,400	48.8	14,000	50.4	13,900	55.8	12,000*	54.3	8,200*	61.0	7,000*	160
165	34.5	11,300*			42.7	12,600	46.7	13,300	48.7	13,200	54.0	11,800*	52.8	8,000*	59.4	6,900*	165
170	31.6	10,200*			40.6	11,800*	44.4	12,600	47.0	12,500	52.2	11,500*	51.3	7,900*	57.9	6,800*	170
175					38.3	10,900*	42.0	11,900	45.1	11,900	50.3	11,300*	49.8	7,700*	56.3	6,700*	175
180					35.9	10,000*			43.3	11,300	48.3	11,100*	48.2	7,600*	54.6	6,700*	180
185					33.4	9,100*			41.3	10,800*	46.2	11,000*	46.6	7,400*	52.9	6,600*	185
190					30.7	8,200*			39.3	10,000*	44.0	10,700	44.9	7,300*	51.1	6,500*	190
195									37.1	9,200*	41.7	10,100*	43.2	7,200*	49.3	6,500*	195
200									34.9	8,400*			41.4	7,100*	47.4	6,400*	200
205									32.4	7,700*			39.5	7,000*	45.4	6,400*	205
210													37.6	6,900*	43.4	6,400*	210
215													35.6	6,800*	41.1	6,300*	215
220													33.4	6,700*			220
225													31.1	6,000*			225
Reeves	2		2		2		1		1		1		1		1		Reeves

160' Boom																	
Load Radius (ft)	40 ft Jib				60 ft Jib				80 ft Jib				100 ft Jib				Load Radius (ft)
	Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				
	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)	
46	79.7	59,000*															46
48	79.1	59,000*															48
50	78.5	59,000*															50
55	77.1	59,000*			79.0	42,000*			79.3	21,800*							55
60	75.6	55,400	79.1	39,500*	77.6	41,600*			78.1	21,500*			79.1	13,000*			60
65	74.1	49,600	77.6	38,000*	76.3	41,200*			76.9	21,200*			78.0	12,800*			65
70	72.6	44,700	76.0	36,600*	74.9	40,600*	79.8	27,700*	76.9	21,000*			76.8	12,600*			70
75	71.1	40,600	74.5	35,400*	73.6	39,900*	78.4	26,600*	75.6	21,000*			75.7	12,400*			75
80	69.5	37,100	72.9	34,200*	72.2	37,700	77.0	25,600*	74.4	20,700*			75.7	12,400*			80
85	68.0	34,100	71.4	33,100*	70.8	34,600	75.5	24,800*	73.1	20,500*	79.1	16,400*	74.5	12,300*			85
90	66.4	31,400	69.8	32,100*	69.4	31,900	74.1	23,900*	71.9	20,200*	77.8	16,200*	73.4	12,000*			90
95	64.8	29,000	68.1	30,000	68.0	29,500	72.7	23,100*	70.6	19,700*	76.4	15,900*	72.2	11,700*	79.2	8,900*	95
100	63.2	26,900	66.5	27,800	66.6	27,400	71.2	22,400*	69.3	19,200*	75.1	15,600*	71.0	11,300*	77.9	8,700*	100
105	61.6	25,000	64.8	25,800	65.1	25,500	69.7	21,800*	68.0	18,800*	73.8	15,400*	69.8	11,000*	76.7	8,500*	105
110	59.9	23,300	63.1	24,000	63.7	23,800	68.2	21,100*	66.7	18,400*	72.4	15,200*	68.7	10,700*	75.5	8,400*	110
115	58.3	21,800	61.4	22,500	62.2	22,300	66.7	20,500*	65.3	17,900*	71.1	14,900*	67.4	10,400*	74.3	8,200*	115
120	56.5	20,400	59.6	21,000	60.7	20,900	65.1	20,000*	64.0	17,600*	69.7	14,700*	66.2	10,100*	73.0	8,100*	120
125	54.8	19,100	57.8	19,700	59.1	19,600	63.5	19,500*	62.6	17,200*	68.3	14,500*	65.0	9,900*	71.7	7,900*	125
130	53.0	17,900	56.0	18,500	57.6	18,400	61.9	19,000*	61.2	16,900*	66.8	14,100*	63.7	9,700*	70.5	7,800*	130
135	51.1	16,900	54.1	17,400	56.0	17,300	60.3	18,400	59.8	16,500*	65.4	13,800*	62.5	9,400*	69.2	7,600*	135
140	49.2	15,900	52.1	16,300	54.3	16,300	58.6	17,300	58.4	16,200*	63.9	13,400*	61.2	9,200*	67.8	7,500*	140
145	47.2	15,000	50.1	15,400	52.7	15,400	56.9	16,300	57.0	15,900*	62.4	13,100*	59.9	9,000*	66.5	7,400*	145
150	45.2	14,100	48.0	14,500	51.0	14,500	55.1	15,400	55.5	15,100	60.8	12,800*	58.6	8,800*	65.1	7,300*	150
155	43.1	13,400	45.8	13,700	49.2	13,800	53.3	14,600	54.0	14,300	59.3	12,500*	57.3	8,600*	63.8	7,200*	155
160	40.9	12,400*	43.5	12,900	47.4	13,000	51.4	13,800	52.4	13,600	57.7	12,300*	55.9	8,400*	62.4	7,100*	160
165	38.6	11,400*	41.1	12,000*	45.6	12,300	49.5	13,000	50.9	12,900	56.0	12,000*	54.5	8,200*	60.9	7,000*	165
170	36.2	10,400*			43.6	11,600*	47.5	12,300	49.2	12,200	54.3	11,800*	53.1	8,100*	59.5	6,900*	170
175	33.6	9,400*			41.6	10,800*	45.4	11,700	47.6	11,600	52.6	11,600*	51.7	7,900*	58.0	6,800*	175
180	30.7	8,500*			39.6	9,900*	43.1	11,000	45.9	11,000	50.8	11,400*					

CRANE - LIFTING CHART

Fixed Jib Lift Capacity (without main hook)

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

170' Boom																	
Load Radius (ft)	40 ft Jib				60 ft Jib				80 ft Jib				100 ft Jib				Load Radius (ft)
	Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				
	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)	
48	79.6	59,000*														48	
50	79.1	59,000*														50	
55	77.7	59,000*														55	
60	76.3	55,100	79.6	40,000*	79.5	42,100*			79.8	21,800*						60	
65	74.9	49,300	78.2	38,600*	78.2	41,700*			78.6	21,600*			79.5	13,100*		65	
70	73.4	44,400	76.7	37,200*	76.9	41,400*			77.4	21,300*			78.4	12,900*		70	
75	72.0	40,300	75.3	36,000*	74.3	40,200*	78.9	27,000*	76.2	21,100*			77.3	12,700*		75	
80	70.6	36,800	73.8	34,800*	73.0	37,400	77.6	26,000*	75.0	20,800*			76.2	12,500*		80	
85	69.1	33,700	72.3	33,700*	71.7	34,300	76.2	25,100*	73.8	20,600*	79.5	16,500*	75.1	12,300*		85	
90	67.6	31,000	70.8	32,100	70.4	31,600	74.9	24,300*	72.6	20,400*	78.3	16,200*	74.0	12,200*		90	
95	66.1	28,700	69.3	29,700	69.0	29,200	73.5	23,500*	71.4	20,000*	77.0	16,000*	72.9	11,900*	79.6	9,900*	
100	64.6	26,500	67.7	27,500	67.7	27,100	72.1	22,800*	70.2	19,500*	75.8	15,700*	71.8	11,500*	78.4	8,800*	
105	63.1	24,700	66.2	25,500	66.3	25,200	70.7	22,200*	68.9	19,100*	74.5	15,500*	70.6	11,200*	77.3	8,600*	
110	61.5	23,000	64.6	23,800	64.9	23,500	69.3	21,600*	67.7	18,600*	73.2	15,300*	69.5	10,900*	76.1	8,400*	
115	59.9	21,400	63.0	22,200	63.5	21,900	67.8	21,000*	66.4	18,200*	71.9	15,100*	68.3	10,600*	74.9	8,300*	
120	58.3	20,000	61.3	20,700	62.1	20,500	66.4	20,400*	65.1	17,900*	70.6	14,900*	67.2	10,300*	73.7	8,100*	
125	56.7	18,800	59.6	19,400	60.6	19,200	64.9	19,900*	63.8	17,500*	69.3	14,700*	66.0	10,100*	72.5	8,000*	
130	55.0	17,600	57.9	18,200	59.2	18,000	63.4	19,200	62.5	17,200*	67.9	14,400*	64.8	9,800*	71.3	7,800*	
135	53.3	16,500	56.2	17,000	57.7	17,000	61.8	18,100	61.2	16,800*	66.5	14,000*	63.6	9,600*	70.0	7,700*	
140	51.6	15,500	54.4	16,000	56.1	16,000	60.3	17,000	59.9	16,500*	65.1	13,700*	62.4	9,400*	68.8	7,600*	
145	49.8	14,600	52.5	15,100	54.6	15,000	58.7	16,000	58.5	15,700	63.7	13,400*	61.2	9,200*	67.5	7,500*	
150	47.9	13,800	50.6	14,200	53.0	14,200	57.0	15,100	57.1	14,800	62.3	13,100*	59.9	9,000*	66.2	7,400*	
155	46.0	13,000	48.7	13,300	51.4	13,400	55.4	14,300	55.7	14,000	60.8	12,800*	58.7	8,800*	64.9	7,300*	
160	44.0	12,200	46.6	12,600	49.7	12,600	53.6	13,500	54.2	13,200	59.3	12,500*	57.4	8,600*	63.6	7,200*	
165	42.0	11,200*	44.5	11,800*	48.0	11,900	51.9	12,700	52.8	12,500	57.8	12,300*	56.1	8,400*	62.3	7,100*	
170	39.8	10,300*	42.3	10,900*	46.3	11,300*	50.0	12,000	51.3	11,900	56.2	12,000*	54.7	8,200*	60.9	7,000*	
175	37.6	9,400*			44.5	10,500*	48.1	11,400	49.7	11,200	54.6	11,800*	53.4	8,100*	59.5	6,900*	
180	35.2	8,500*			42.6	9,700*	46.2	10,800	48.1	10,700	53.0	11,300	52.0	7,900*	58.1	6,800*	
185	32.7	7,700*			40.6	8,900*	44.1	10,200	46.5	10,100	51.3	10,700	50.6	7,800*	56.6	6,700*	
190	30.0	6,800*			38.6	8,200*	42.0	9,300*	44.8	9,500*	49.5	10,200	49.2	7,600*	55.1	6,700*	
195					36.5	7,500*			43.1	8,800*	47.7	9,600	47.7	7,500*	53.6	6,600*	
200					34.2	6,800*			41.3	8,200*	45.8	9,100*	46.2	7,400*	52.0	6,500*	
205					31.8	6,000*			39.5	7,500*	43.8	8,400*	44.7	7,300*	50.3	6,500*	
210									37.5	6,900*	41.7	7,700*	43.1	7,200*	48.7	6,400*	
215									35.5	6,200*			41.4	6,900*	46.9	6,400*	
220									33.3	5,600*			39.7	6,400*	45.1	6,400*	
225									31.0	4,900*			37.9	5,800*	43.2	6,300*	
230													36.0	5,300*	41.2	6,300*	
235													34.1	4,700*		235	
240													32.0	4,200*		240	
Reeves	2		2		2		1		1		1		1		1	Reeves	

180' Boom																	
Load Radius (ft)	40 ft Jib				60 ft Jib				80 ft Jib				100 ft Jib				Load Radius (ft)
	Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				
	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)	
50	79.6	59,000*														50	
55	78.3	59,000*														55	
60	76.9	54,700														60	
65	75.6	48,800	78.8	39,100*	77.5	41,500*			79.1	21,600*			79.9	13,200*		65	
70	74.2	44,000	77.4	37,700*	76.2	41,200*			77.9	21,400*			78.8	13,000*		70	
75	72.9	39,900	76.0	36,500*	75.0	40,500*	79.4	27,400*	76.8	21,200*			77.8	12,800*		75	
80	71.5	36,300	74.6	35,400*	73.7	37,000	78.1	26,400*	75.6	20,900*			76.7	12,600*		80	
85	70.1	33,300	73.2	34,300*	72.5	33,900	76.8	25,500*	74.5	20,700*			75.7	12,400*		85	
90	68.7	30,600	71.8	31,800	71.2	31,200	75.5	24,700*	73.3	20,500*			74.6	12,200*		90	
95	67.3	28,200	70.3	29,300	69.9	28,800	74.2	23,900*	72.2	20,300*			73.5	12,000*	80.0	9,000*	
100	65.9	26,100	68.9	27,100	68.6	26,600	72.9	23,200*	71.0	19,800*	78.8	16,300*	74.6	12,200*		100	
105	64.4	24,200	67.4	25,100	67.3	24,800	71.6	22,600*	69.8	19,400*	75.2	15,600*	71.4	11,400*	77.8	8,700*	
110	62.9	22,500	65.9	23,400	66.0	23,000	70.2	22,000*	68.6	18,900*	73.9	15,400*	70.3	11,100*	76.6	8,500*	
115	61.5	21,000	64.4	21,800	64.7	21,500	68.9	21,400*	67.4	18,500*	72.7	15,200*	69.2	10,800*	75.5	8,300*	
120	59.9	19,600	62.8	20,300	63.3	20,100	67.5	20,800*	66.2	18,200*	71.4	15,000*	68.0	10,500*	74.4	8,200*	
125	58.4	18,300	61.3	19,000	62.0	18,800	66.1	20,100	64.9	17,800*	70.2	14,800*	66.9	10,300*	73.2	8,000*	
130	56.8	17,100	59.7	17,800	60.6	17,600	64.7	18,900	63.7	17,500*	68.9	14,600*	65.8	10,000*	72.0	7,900*	
135	55.3	16,000	58.0	16,600	59.2	16,500	63.2	17,700	62.4	17,100*	67.6	14,300*	64.6	9,800*	70.9	7,800*	
140	53.6	15,100	56.4	15,600	57.8	15,500	61.7	16,700	61.1	16,200	66.3	13,900*	63.5	9,600*	69.7	7,700*	
145	52.0	14,100	54.7	14,600	56.3	14,600	60.2	15,700	59.9	15,200	64.9	13,600*	62.3	9,300*	68.5	7,600*	
150	50.3	13,300	52.9	13,800	54.8	13,700	58.7	14,800	58.5	14,400	63.6	13,300*	61.1	9,100*	67.2	7,400*	
155	48.5	12,500	51.1	12,900	53.3	12,900	57.2	13,900	57.2	13,600	62.2	13,000*	59.9	8,900*	66.0	7,300*	
160	46.7	11,600*	49.3	12,100	51.8	12,200	55.6	13,100	55.8	12,800	60.8	12,800*	58.7	8,800*	64.7	7,200*	
165	44.9	10,800*	47.3	11,300*	50.2	11,500	53.9	12,300	54.5	12,100	59.3	12,500*	57.5	8,600*	63.5	7,100*	
170	42.9	9,900*	45.3	10,500*	48.6	10,700*	52.3	11,700	53.1	11,400	57.9	12,300	56.2	8,400*	62.2	7,000*	
175	40.9	9,100*	43.3	9,600*	46.9	9,900*	50.5	11,000	51.6	10,800	56.4	11,600	54.9	8,300*	60.8	7,000*	
180	38.9	8,200*		8,800*	45.2	9,200*	48.7	10,400	50.1	10,200	54.9	11,000	53.6	8,100*	59.5	6,900*	
185	36.7	7,400*			43.4	8,500*	46.9	9,700*	48.6	9,700	53.3	10,400	52.3	8,000*	58.1	6,800*	
190	34.4	6,700*			41.6	7,800*	45.0	9,000*	47.1	9,000*	51.7	9,800	51.0	7,800*	56.7	6,700*	
195	31.9	5,900*			39.7	7,100*	43.0	8,200*	45.5	8,300*	50.0	9,300	49.6	7,700*	55.3	6,700*	
200																	

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 on page 23.

CRANE - LIFTING CHART

Fixed Jib Lift Capacity (without main hook)

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

190' Boom																	Load Radius (ft)
Load Radius (ft)	40 ft Jib				60 ft Jib				80 ft Jib				100 ft Jib				
	Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				
	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)		
50	80.0	53,100*															
55	78.8	52,400*															
60	77.5	51,600*															
65	76.2	48,300*	79.3	39,600*	79.1	42,000*			79.5	21,700*							
70	74.9	43,600	78.0	38,200*	78.0	41,600*			78.4	21,500*			79.2	13,000*			
75	73.6	39,500	76.6	37,000*	75.6	40,000*	79.9	27,700*	77.3	21,200*			78.2	12,800*			
80	72.3	36,000	75.3	35,900*	74.4	36,600	78.6	26,800*	76.2	21,000*			77.2	12,600*			
85	71.0	32,900	74.0	34,300	73.2	33,500	77.4	25,900*	75.1	20,800*			76.2	12,500*			
90	69.7	30,200	72.6	31,500	72.0	30,800	76.2	25,100*	74.0	20,600*	79.2	16,400*	75.2	12,300*			
95	68.3	27,800	71.2	29,000	70.8	28,400	74.9	24,300*	72.8	20,400*	78.1	16,200*	74.1	12,100*			
100	67.0	25,700	69.9	26,800	69.5	26,300	73.7	23,600*	71.7	20,100*	76.9	15,900*	73.1	11,900*	79.3		
105	65.6	23,800	68.5	24,800	68.3	24,400	72.4	22,900*	70.6	19,600*	75.8	15,700*	72.0	11,600*	78.2		
110	64.2	22,100	67.1	23,100	67.1	22,700	71.1	22,300*	69.4	19,200*	74.6	15,500*	71.0	11,300*	77.1		
115	62.8	20,600	65.6	21,400	65.8	21,100	69.8	21,700*	68.3	18,800*	73.4	15,300*	69.9	11,000*	76.1		
120	61.4	19,200	64.2	20,000	64.5	19,700	68.5	21,200*	67.1	18,400*	72.2	15,100*	68.8	10,700*	75.0		
125	59.9	17,900	62.7	18,600	63.2	18,400	67.2	19,900	65.9	18,100*	71.0	14,900*	67.8	10,400*	73.8		
130	58.5	16,700	61.2	17,400	61.9	17,200	65.8	18,600	64.8	17,700*	69.8	14,700*	66.7	10,200*	72.7		
135	57.0	15,700	59.7	16,300	60.6	16,100	64.5	17,400	63.6	16,900	68.5	14,500*	65.6	10,000*	71.6		
140	55.5	14,700	58.1	15,200	59.2	15,100	63.1	16,400	62.3	15,800	67.3	14,200*	64.5	9,700*	70.5		
145	53.9	13,800	56.5	14,300	57.9	14,200	61.7	15,400	61.1	14,900	66.0	13,800*	63.4	9,500*	69.3		
150	52.3	12,900	54.9	13,400	56.5	13,300	60.2	14,500	59.9	14,000	64.7	13,600*	62.2	9,300*	68.1		
155	50.7	12,100*	53.3	12,600	55.0	12,500	58.8	13,600	58.6	13,200	63.4	13,300*	61.1	9,100*	67.0		
160	49.1	11,200*	51.6	11,800	53.6	11,800	57.3	12,800	57.3	12,500	62.1	13,000*	59.9	8,900*	65.8		
165	47.4	10,300*	49.8	10,900*	52.1	11,000*	55.8	12,000	56.0	11,700	60.7	12,700	58.7	8,700*	64.6		
170	45.6	9,500*	48.0	10,100*	50.6	10,200*	54.2	11,300	54.7	11,100	59.4	12,000	57.6	8,600*	63.3		
175	43.8	8,700*	46.1	9,300*	49.1	9,500*	52.6	10,700	53.3	10,400	58.0	11,300	56.4	8,400*	62.1		
180	41.9	8,000*	44.2	8,500*	47.5	8,800*	51.0	10,000	52.0	9,800	56.5	10,700	55.1	8,300*	60.8		
185	40.0	7,200*	42.2	7,700*	45.9	8,100*	49.3	9,400	50.6	9,200*	55.1	10,100	53.9	8,100*	59.5		
190	37.9	6,500*	40.0	7,000*	44.2	7,400*	47.6	8,700*	49.1	8,500*	53.6	9,500	52.6	8,000*	58.2		
195	35.8	5,700*			42.5	6,800*	45.7	8,000*	47.6	7,900*	52.0	8,900	51.3	7,800*	56.9		
200	33.6	5,000*			40.7	6,100*	43.9	7,300*	46.1	7,300*	50.5	8,300*	50.0	7,700*	55.5		
205	31.1	4,300*			38.8	5,500*	41.9	6,600*	44.6	6,700*	48.8	7,600*	48.7	7,100*	54.1		
210					36.9	4,900*			43.0	6,100*	47.1	7,000*	47.3	6,600*	52.7		
215					34.9	4,300*			41.3	5,600*	45.4	6,400*	45.9	6,100*	51.2		
220									39.6	5,000*	43.6	5,900*	44.4	5,500*	49.7		
225									37.8	4,500*	41.7	5,300*	42.9	5,000*	48.1		
230													41.4	4,600*	46.5		
235													39.8	4,100*	44.8		
240															43.0		
245															41.2		
Reeves	2		2		2		1		1		1		1		1		

200' Boom																	Load Radius (ft)
Load Radius (ft)	40 ft Jib				60 ft Jib				80 ft Jib				100 ft Jib				
	Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				
	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)		
55	79.2	46,200*															
60	78.0	45,500*															
65	76.8	44,700*	79.7	40,000*	78.4	41,700*			79.8	21,800*							
70	75.6	42,900*	78.5	38,700*	77.3	41,400*			78.8	21,600*			79.6	13,100*			
75	74.3	39,100*	77.2	37,500*	76.2	39,200*			77.7	21,300*			78.6	12,900*			
80	73.1	35,700	76.0	36,400*	75.0	35,900*	79.1	27,100*	76.7	21,100*			77.6	12,700*			
85	71.8	32,600	74.7	33,800*	73.9	33,000*	77.9	26,200*	75.6	20,900*			76.7	12,500*			
90	70.6	30,000	73.4	31,100*	72.7	30,400*	76.7	25,400*	74.6	20,700*	79.6	16,500*	75.7	12,400*			
95	69.3	27,600	72.1	28,800	71.6	28,100*	75.5	24,700*	73.5	20,500*	78.5	16,200*	74.7	12,200*			
100	68.0	25,500	70.8	26,600	70.4	26,000	74.3	24,000*	72.4	20,300*	77.4	16,000*	73.7	12,100*	79.7		
105	66.7	23,600	69.5	24,600	69.2	24,100	73.1	23,300*	71.3	19,900*	76.3	15,800*	72.7	11,700*	78.6		
110	65.4	21,800	68.1	22,800	68.0	22,400	71.9	22,700*	70.2	19,500*	75.2	15,600*	71.6	11,400*	77.6		
115	64.0	20,300	66.8	21,200	66.8	20,800	70.7	22,100*	69.1	19,100*	74.0	15,400*	70.6	11,100*	76.6		
120	62.7	18,900	65.4	19,700	65.6	19,400	69.4	21,000	68.0	18,700*	72.9	15,200*	69.6	10,900*	75.5		
125	61.3	17,600	64.0	18,400	64.3	18,100	68.2	19,600	66.9	18,300*	71.7	15,000*	68.6	10,600*	74.4		
130	60.0	16,400	62.6	17,200	63.1	16,900	66.9	18,400	65.7	17,700	70.6	14,800*	67.5	10,400*	73.4		
135	58.5	15,400	61.1	16,000	61.8	15,800	65.6	17,200	64.6	16,600	69.4	14,600*	66.5	10,100*	72.3		
140	57.1	14,400	59.7	15,000	60.5	14,800	64.3	16,100	63.4	15,600	68.2	14,400*	65.4	9,900*	71.2		
145	55.7	13,400	58.2	14,000	59.3	13,900	63.0	15,100	62.3	14,600	67.0	14,100*	64.3	9,700*	70.1		
150	54.2	12,500*	56.7	13,100	57.9	13,000*	61.6	14,200	61.1	13,800	65.8	13,800*	63.2	9,500*	69.0		
155	52.7	11,600*	55.2	12,300*	56.6	12,100*	60.2	13,400	59.9	12,900	64.5	13,500*	62.2	9,300*	67.9		
160	51.1	10,800*	53.6	11,400*	55.2	11,300*	58.8	12,600	58.6	12,200	63.3	13,200*	61.0	9,100*	66.7		
165	49.6	9,900*	52.0	10,600*	53.9	10,500*	57.4	11,800	57.4	11,500	62.0	12,500	59.9	8,900*	65.6		
170	48.0	9,100*	50.3	9,700*	52.5	9,800*	56.0	11,100	56.2	10,800	60.7	11,700	58.8	8,700*	64.4		
175	46.3	8,400*	48.6	9,000*	51.0	9,100*	54.5	10,400	54.9	10,100	59.4	11,100	57.6	8,600*	63.2		
180	44.6	7,700*	46.8	8,200*	49.6	8,400*	53.0	9,700*	53.6	9,400*	58.1	10,400	56.5	8,400*	62.0		
185	42.8	6,900*	45.0	7,500*	48.1	7,700*	51.4	9,000*	52.3	8,800*	56.7	9,800	55.3	8,300*	60.8		
190	41.0	6,300*	43.1	6,800*	46.5	7,000*	49.8	8,300*	50.9	8,100*	55.3	9,200	54.1	8,100*	59.5		
195	39.1	5,600*	41.1	6,100*	44.9	6,400*	48.1	7,700*	49.5	7,500*	53.9	8,500*	52.9	7,800*	58.3		
200	37.1	4,900*			43.3	5,800*	46.4	7,000*	48.1	6,900*	52.4	7,900*	51.6	7,200*	57.0		
205	35.0	4,200*			41.6	5,200*	44.7	6,400*	46.7	6,400*	50.9	7,300*	50.4	6,700*	55.7		
210					39.9	4,700*	42.8	5,700*	45.2	5,800*	49.3	6,700*	49.1	6,200*	54.3		
215									42.1	5,300*	47.7	6,200*	47.8	5,700*	53.0		
220									40.5	4,700*	46.1	5,600*	46.4	5,200*	51.5		
225											44.4	5,100*	45.0	4,700*	50.1		
230											42.6	4,500*	43.6	4,200*	48.6		
235															47.1		
240															45.5		
Reeves	2		2		2		1		1		1		1		1		

200' Boom																	
Load Radius (ft)	40 ft Jib				60 ft Jib				80 ft Jib				100 ft Jib				Load Radius (ft)
	Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				Offset Angle (deg.)				
	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)	
55	79.2	46,200*															55
60	78.0	45,500*			79.6	42,100*											60
65	76.8	44,700*	79.7	40,000*	78.4	41,700*			79.8	21,800*							65
70	75.6	42,900*	78.5	38,700*	77.3	41,400*			78.8	21,600*			79.6	13,100*			70
75	74.3	39,100*	77.2	37,500*	76.2	39,200*			77.7	21,300*			78.6	12,900*			75
80	73.1	35,700	76.0	36,400*	75.0	35,900*	79.1	27,100*	76.7	21,100*			77.6	12,700*			80
85	71.8	32,600	74.7	33,800*	73.9	33,000*	77.9	26,200*	75.6	20,900*			76.7	12,500*			85
90	70.6	30,000	73.4	31,100*	72.7	30,400*	76.7	25,400*	74.6	20,700*	79.6	16,500*	75.7	12,400*			90
95	69.3	27,600	72.1	28,800	71.6	28,100*	75.5	24,700*	73.5	20,500*	78.5	16,200*	74.7	12,200*			95
100	68.0	25,500	70.8	26,600	70.4	26,000	74.3	24,000*	72.4	20,300*	77.4	16,000*	73.7	12,100*	79.7	8,900*	100
105	66.7	23,600	69.5	24,600	69.2	24,100	73.1	23,300*	71.3	19,900*	76.3	15,800*	72.7	11,700*	78.6	8,700*	105
110	65.4	21,800	68.1	22,800	68.0	22,400	71.9	22,700*	70.2	19,500*	75.2	15,600*	71.6	11,400*	77.6	8,600*	110
115	64.0	20,300	66.8	21,200	66.8	20,800	70.7	22,100*	69.1	19,100*	74.0	15,400*	70.6	11,100*	76.6	8,400*	115
120	62.7	18,900	65.4	19,700	65.6	19,400	69.4	21,000	68.0	18,700*	72.9	15,200*	69.6	10,900*	75.5	8,300*	120
125	61.3	17,600	64.0	18,400	64.3	18,100	68.2	19,600	66.9	18,300*	71.7	15,000*	68.6	10,600*	74.4	8,200*	125
130	60.0	16,400	62.6	17,200	63.1	16,900	66.9	18,400	65.7	17,700	70.6	14,800*	67.5	10,400*	73.4	8,000*	130
135	58.5	15,400	61.1	16,000	61.8	15,800	65.6	17,200	64.6	16,600	69.4	14,600*	66.5	10,100*	72.3	7,900*	135
140	57.1	14,400	59.7	15,000	60.5	14,800	64.3	16,100	63.4	15,600	68.2	14,400*	65.4	9,900*	71.2	7,800*	140
145	55.7	13,400	58.2	14,000	59.3	13,900	63.0	15,100	62.3	14,600	67.0	14,100*	64.3	9,700*	70.1	7,700*	145
150	54.2	12,500*	56.7	13,100	57.9	13,000*	61.6	14,200	61.1	13,800	65.8	13,800*	63.2	9,500*	69.0	7,600*	150
155	52.7	11,600*	55.2	12,300*	56.6	12,100*	60.2	13,400	59.9	12,900	64.5	13,500*	62.2	9,300*	67.9	7,500*	155
160	51.1	10,800*	53.6	11,400*	55.2	11,300*	58.8	12,600	58.6	12,200	63.3	13,200*	61.0	9,100*	66.7	7,400*	160
165	49.6	9,900*	52.0	10,600*	53.9	10,500*	57.4	11,800	57.4	11,500	62.0	12,500	59.9	8,900*	65.6	7,300*	165
170	48.0	9,100*	50.3	9,700*	52.5	9,800*	56.0	11,100	56.2	10,800	60.7	11,700	58.8	8,700*	64.4	7,200*	170
175	46.3	8,400*	48.6	9,000*	51.0	9,100*	54.5	10,400	54.9	10,100	59.4	11,100	57.6	8,600*	63.2	7,100*	175
180	44.6	7,700*	46.8	8,200*	49.6	8,400*	53.0	9,700	53.6	9,400*	58.1	10,400	56.5	8,400*	62.0	7,000*	180
185	42.8	6,900*	45.0	7,500*	48.1	7,700*	51.4	9,000*	52.3	8,800*	56.7	9,800	55.3	8,300*	60.8	6,900*	185
190	41.0	6,300*	43.1	6,800*	46.5	7,000*	49.8	8,300*	50.9	8,100*	55.3	9,200	54.1	8,100*	59.5	6,800*	190
195	39.1	5,600*	41.1	6,100*	44.9	6,400*	48.1	7,700*	49.5	7,500*	53.9	8,500*	52.9	7,800*	58.3	6,800*	195
200	37.1	4,900*			43.3	5,800*	46.4	7,000*	48.1	6,900*	52.4	7,900*	51.6	7,200*	57.0	6,700*	200
205	35.0	4,200*			41.6	5,200*	44.7	6,400*	46.7	6,400*	50.9	7,300*	50.4	6,700*	55.7	6,700*	205
210					39.9	4,700*	42.8	5,700*	45.2	5,800*	49.3	6,700*	49.1	6,200*	54.3	6,600*	210
215					38.0	4,100*	40.9	5,100*	43.7	5,300*	47.7	6,200*	47.8	5,700*	53.0	6,500*	215
220									42.1	4,700*	46.1	5,600*	46.4	5,200*	51.5	6,300*	220
225									40.5	4,200*	44.4	5,100*	45.0	4,700*	50.1	5,800*	225
230											42.6	4,500*	43.6	4,200*	48.6	5,300*	230
235											40.7	4,000*			47.1	4,800*	235
240															45.5	4,300*	240
Reeves	2		2		2		1		1		1		1		1		Reeves

CRANE - SUPPLEMENTAL DATA

Crane with Luffing Boom Tip

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. 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.
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.
 - The crane must be leveled to within 1 % on a firm supporting surface.
 - Boom backstops are required for all boom length.
 - Gantry must be fully raised position for all operations.
 - Counterweights and carbody weights are fully installed.
4. Do not attempt to lift where no radius on load is listed 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 rated loads.
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. The total load that can be lifted over boom point with auxiliary sheave is the value for 1,250lbs deducted from rated load for the boom without auxiliary sheave.
8. The total load that can be lifted over an auxiliary sheave is the value for 1,250lbs deducted from rated load for the boom without auxiliary sheave, but it should not exceed auxiliary maximum hoist loads.
9. Least stable position is over the side.

10. Maximum hoist load for number of reeving parts of line for hoist rope.

Maximum Load for Main Boom

No. of Parts of line	1	2	3	4	5
Maximum Loads (lbs)	29,500	59,000	88,500	118,000	147,500

No. of Parts of line	6
Maximum Loads (lbs)	170,000

Maximum Load Auxiliary Sheave

No. of Parts of line	1	2
Maximum Loads (lbs)	29,500	59,000

11. Rated loads listed apply only to the machine as originally manufactured and designed by KOBELCO CONSTRUCTION MACHINERY CO., LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.
12. Designed and rated to comply with ASME B30.5-2014.

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



CRANE - LIFTING CHART

Luffing Boom Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

47' Boom			57' Boom			67' Boom			77' 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)
18.0	79.7	170,000 *	20.0	79.5	170,000 *	22.0	79.3	170,000 *	24.0	79.2	170,000 *
19.0	78.5	170,000 *	22.0	77.4	170,000 *	24.0	77.6	170,000 *	26.0	77.7	170,000 *
20.0	77.2	170,000 *	24.0	75.3	170,000 *	26.0	75.8	170,000 *	28.0	76.1	156,900 *
22.0	74.6	170,000 *	26.0	73.2	170,000 *	28.0	74.0	160,400 *	30.0	74.6	144,600 *
24.0	72.0	170,000 *	28.0	71.0	165,100 *	30.0	72.2	146,600	32.0	73.0	132,900
26.0	69.3	170,000 *	30.0	68.8	148,800	32.0	70.3	132,900	34.0	71.4	121,600
28.0	66.6	162,900 *	32.0	66.5	135,100	34.0	68.4	121,600	36.0	69.8	111,900
30.0	63.8	147,200	34.0	64.2	123,800	36.0	66.5	111,900	38.0	68.2	103,600
32.0	60.8	133,800	36.0	61.9	114,100	38.0	64.6	103,800	40.0	66.5	96,300
34.0	57.8	122,500	38.0	59.5	106,000	40.0	62.6	96,500	45.0	62.3	81,700
36.0	54.7	112,800	40.0	57.0	98,700	45.0	57.4	82,000	50.0	57.8	70,900
38.0	51.4	103,800 *	45.0	50.3	84,200	50.0	51.9	70,900	55.0	53.1	62,300
40.0	47.8	95,200 *	50.0	42.7	72,900 *	55.0	45.9	62,600	60.0	48.0	55,500
45.0	37.7	75,800 *	55.0	33.6	60,100 *	60.0	38.9	55,500 *	65.0	42.4	49,800
						65.0	30.5	46,200 *	70.0	36.0	44,900 *
Reeves		6	Reeves		6	Reeves		6	Reeves		6
87' Boom			97' Boom			107' Boom			117' 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)
26.0	79.1	167,700 *	28.0	79.1	149,600 *	30.0	79.0	135,800 *	30.0	80.0	133,100 *
28.0	77.8	153,400 *	30.0	77.9	138,000 *	32.0	77.9	125,600 *	32.0	79.0	123,400 *
30.0	76.4	141,300 *	32.0	76.6	127,800 *	34.0	76.8	117,000 *	34.0	78.0	114,800 *
32.0	75.0	131,100 *	34.0	75.4	119,200 *	36.0	75.7	109,500 *	36.0	76.9	107,300 *
34.0	73.7	121,400	36.0	74.2	111,300	38.0	74.6	102,500	38.0	75.9	100,900 *
36.0	72.3	111,700	38.0	72.9	102,900	40.0	73.4	95,200	40.0	74.9	95,000 *
38.0	70.8	103,300	40.0	71.6	95,600	45.0	70.6	80,600	45.0	72.3	80,400
40.0	69.4	96,300	45.0	68.5	81,100	50.0	67.7	69,600	50.0	69.7	69,400
45.0	65.8	81,700	50.0	65.2	70,100	55.0	64.7	61,000	55.0	67.0	60,800
50.0	62.0	70,700	55.0	61.8	61,500	60.0	61.6	54,200	60.0	64.3	54,000
55.0	58.1	62,100	60.0	58.3	54,600	65.0	58.4	48,500	65.0	61.5	48,200
60.0	53.9	55,300	65.0	54.6	48,900	70.0	55.1	43,800	70.0	58.6	43,600
65.0	49.5	49,600	70.0	50.7	44,300	75.0	51.7	39,600	75.0	55.6	39,400
70.0	44.8	44,900	75.0	46.6	40,300	80.0	48.0	36,300	80.0	52.5	36,100
75.0	39.6	41,000	80.0	42.2	36,800	85.0	44.2	33,200	85.0	49.2	33,000
80.0	33.6	37,200 *	85.0	37.2	33,900	90.0	39.9	30,800	90.0	45.7	30,600
			90.0	31.6	30,600 *	95.0	35.3	28,400	95.0	42.0	28,200
									100.0	38.0	26,200
									105.0	33.6	24,400 *
Reeves		6	Reeves		6	Reeves		5	Reeves		5

Refer to notes on page 33.

CRANE - LIFTING CHART

Luffing Boom Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

127' Boom			137' Boom			147' Boom			157' 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)
32.0	79.9	120,800 *	34.0	79.7	110,600 *	36.0	79.7	102,500 *	38.0	79.6	94,700 *
34.0	78.9	112,400 *	36.0	78.9	103,300 *	38.0	78.9	96,100 *	40.0	78.8	89,000 *
36.0	78.0	105,100 *	38.0	78.0	97,000 *	40.0	78.1	90,300 *	45.0	77.0	77,300 *
38.0	77.1	98,700 *	40.0	77.2	91,200 *	45.0	76.0	78,700 *	50.0	75.1	68,300 *
40.0	76.1	93,000 *	45.0	75.0	79,500 *	50.0	74.0	68,700 *	55.0	73.2	59,700 *
45.0	73.8	80,000	50.0	72.8	68,700	55.0	72.0	60,100	60.0	71.2	52,900
50.0	71.4	69,000	55.0	70.6	60,100	60.0	69.9	53,100	65.0	69.3	47,100
55.0	69.0	60,400	60.0	68.3	53,100	65.0	67.8	47,300	70.0	67.3	42,300
60.0	66.5	53,300	65.0	66.0	47,600	70.0	65.6	42,700	75.0	65.2	38,300
65.0	63.9	47,800	70.0	63.7	42,700	75.0	63.4	38,500	80.0	63.2	34,800
70.0	61.4	42,900	75.0	61.3	38,800	80.0	61.2	35,200	85.0	61.1	31,900
75.0	58.7	39,000	80.0	58.8	35,200	85.0	58.9	32,100	90.0	58.9	29,300
80.0	55.9	35,400	85.0	56.3	32,400	90.0	56.5	29,500	95.0	56.8	26,800
85.0	53.1	32,600	90.0	53.6	29,700	95.0	54.1	27,300	100.0	54.5	24,900
90.0	50.1	29,900	95.0	50.9	27,300	100.0	51.6	25,100	105.0	52.2	23,100
95.0	47.0	27,500	100.0	48.1	25,300	105.0	49.0	23,300	110.0	49.8	21,300
100.0	43.7	25,500	105.0	45.1	23,500	110.0	46.3	21,600	115.0	47.2	19,800
105.0	40.2	23,800	110.0	41.9	21,800	115.0	43.4	20,200	120.0	44.6	18,500
110.0	36.4	22,000	115.0	38.6	20,500	120.0	40.4	18,900	125.0	41.9	17,400
115.0	32.1	20,200 *	120.0	34.9	18,900	125.0	37.1	17,600	130.0	38.9	16,000
			125.0	30.8	16,900 *	130.0	33.6	16,000 *	135.0	35.8	15,200 *
									140.0	32.4	13,400 *
Reeves		5	Reeves		4	Reeves		4	Reeves		4

Refer to notes on page 33.

CRANE - SUPPLEMENTAL DATA

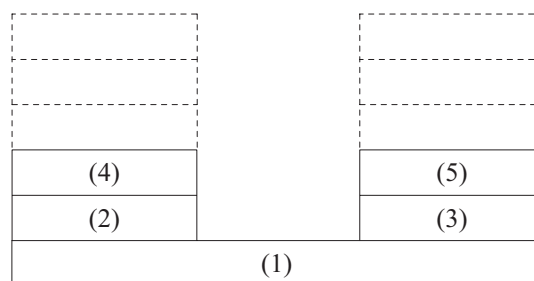
Clamshell

- 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 66% 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.
 - The crane must be leveled to within 1% on a firm supporting surface.
 - 61,700 lbs Counterweight and without carbody weight.
- Do not attempt to lift where no radius on load is listed 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 bucket, 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.
- The boom should be erected over the front of the crawlers, not laterally.
- Least stable position is over the side.

Maximum Load Per Line

No. of Parts of line	1
Maximum Loads (lbs)	29,500

- Rated loads listed apply only to the machine as originally manufactured and designed by KOBELCO CONSTRUCTION MACHINERY CO.,LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.
- Assembling the counterweight
 - 61,700 lbs Counterweight
 - Without carbody counterweight.



COUNTERWEIGHTS



CARBODY WEIGHTS

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

CRANE - LIFTING CHART

Clamshell

Boom :

Welded lattice construction using tubular, high-tensile steel chords with pin connections between each section.

Basic boom length : 50 ft (15.2 m)

Max. boom length : 120 ft (36.6 m)

Limit on clamshell bucket weight : 4,600 lbs (2,100 kg)

Optional tagline : Hydraulic operated type and spring type.

Boom Component Chart :

Boom length ft (m)	Boom arrangement
50 (15.2)	Base-D-Tip
60 (18.3)	Base-A-D-Tip
70 (21.3)	Base-A-A-D-Tip, Base-B-D-Tip
80 (24.4)	Base-A-B-D-Tip
90 (27.4)	Base-A-A-B-D-Tip, Base-C-D-Tip, Base-B-B-D-Tip
100 (30.5)	Base-A-B-B-D-Tip, Base-A-C-D-Tip
110 (33.5)	Base-A-A-B-B-D-Tip, Base-B-C-D-Tip, Base-A-A-C-D-Tip
120 (36.6)	Base-A-B-C-D-Tip

Base = Boom Base

Insert : A = 10 ft (3.05 m)

B = 20 ft (6.10 m)

C = 40 ft (12.2 m)

D = 10 ft 5 in (3.18 m) Taper

Tip = Boom Tip

- Figures represent maximum allowable capacity, and assume level, ground and ideal working conditions.
- Capacities are calculated at 66% of the minimum tipping loads.
- Capacities are maximum recommended by PCSA Standard #4. Allowances must be made by the user for such unfavorable conditions as a sort of uneven supporting surface, rapid cycle operations, or bucket.
- The combined weight of the bucket and load must not exceed these capacities.

Counterweights : 61,700 lbs Without carbody weights

50' Boom			60' Boom			70' 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)
28.0	64.0	29,500 *	32.0	64.4	29,500 *	36.0	64.7	29,500 *
30.0	61.4	29,500 *	34.0	62.2	29,500 *	38.0	62.8	29,500 *
32.0	58.7	29,500 *	36.0	60.0	29,500 *	40.0	61.0	29,500 *
34.0	55.9	29,500 *	38.0	57.7	29,500 *	42.0	59.1	29,500 *
36.0	53.0	29,500 *	40.0	55.4	29,500 *	44.0	57.1	29,500 *
38.0	50.0	29,500 *	42.0	53.0	29,500 *	46.0	55.1	29,500 *
40.0	46.8	29,500 *	44.0	50.5	29,500 *	48.0	53.0	29,500 *
42.0	43.5	29,500 *	46.0	47.9	29,500 *	50.0	50.9	29,500 *
44.0	39.9	29,500 *	48.0	45.2	29,500 *	55.0	45.3	29,500 *
46.0	36.0	29,500 *	50.0	42.4	29,500 *	60.0	39.0	29,500 *
			55.0	34.4	29,500 *	65.0	31.7	27,900 *

Refer to notes on page 36.

CRANE - SUPPLEMENTAL DATA**Barge**

- 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.

- Machine shall be positively secured to prevent shifting.
- Boom backstops are required for all boom length.
- Gantry must be fully raised position for all operations.
- Must have 121,300 lbs (11) Counterweights fully installed.
- Must have 23,800 lbs (2) Carbody weights fully installed.

- Do not attempt to lift where no radius on load is listed 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 rated loads.

- 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 Sheave	40 ft	60 ft	80 ft	100 ft
Deduct (lbs)	1,250	Not Applicable			

When auxiliary sheave is used for 11 reeving parts of line, it is not required to deduct 1,250 lbs from rated loads.

- To install the jib is prohibited when the machine is on a barge.
- The total load that can be lifted over an auxiliary sheave is the value for 1,250 lbs deducted from rated load for the boom without auxiliary sheave, but it should not exceed 59,000 lbs.
- Boom lengths that can attach auxiliary sheave are from 50 ft (15.2 m) to 240 ft (73.2 m).
- The boom should be erected over the front of the crawlers, not laterally.
- Least stable position is over the side.

- Maximum hoist load for number of reeving parts of line for hoist rope.

Maximum Load for Main Boom

No. of Parts of line	1	2	3	4	5
Maximum Loads (lbs)	29,500	59,000	88,500	118,000	147,500

No. of Parts of line	6	7	8	9	10
Maximum Loads (lbs)	177,000	206,500	236,000	265,500	295,000

No. of Parts of line	11
Maximum Loads (lbs)	320,000

- Weight of recommended hook block.

Hook Block	160 USt	110 USt	70 USt	30 USt	BALL HOOK
Weight (lbs)	5,275	3,960	2,775	2,200	1,315



If the weight of hook block to be used is lighter than the recommended weight, the jib may turnover backward or it is difficult to lower the empty hook block.

- When operating the machine with the nesting roller (option) equipped to the boom insert, following amount of loads must be reduced from the rating chart.

Boom length	50 ft, 60 ft	70 ft, 80 ft	90 ft to 160 ft
Reduced amount (lbs)	0	100	200

Boom length	170 ft to 210 ft	220 ft to 250 ft
Reduced amount (lbs)	300	400

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

- Designed and rated to comply with ASME B30.5-2014.

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



CRANE - LIFTING CHART

Barge

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

50' Boom						60' Boom						70' Boom					
		360° Rated Load (lbs)						360° Rated Load (lbs)						360° Rated Load (lbs)			
Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List
15.0	79.9	320,000 *				17.0	79.6	280,000 *				19.0	79.5	251,100 *			
16.0	78.7	300,100 *	262,300 *			18.0	78.7	266,000 *	235,600 *			20.0	78.6	238,500 *	205,000 *		
17.0	77.5	282,500 *	252,400 *	194,200 *		19.0	77.7	251,900 *	228,200 *	163,500 *		22.0	76.9	217,100 *	194,600 *	138,100 *	108,900 *
18.0	76.3	266,800 *	242,600 *	193,100 *	156,600 *	20.0	76.7	239,300 *	220,800 *	162,000 *	128,700 *	24.0	75.3	194,600 *	176,300 *	135,600 *	107,300 *
19.0	75.1	252,700 *	232,700 *	192,000 *	155,800 *	22.0	74.7	218,000 *	197,500 *	158,900 *	126,700 *	26.0	73.5	176,300 *	160,900 *	133,300 *	106,000 *
20.0	73.9	240,100 *	222,900 *	190,900 *	154,800 *	24.0	72.7	197,500 *	178,300 *	155,900 *	124,700 *	28.0	71.8	160,900 *	147,900 *	131,100 *	104,400 *
22.0	71.5	218,300 *	206,400 *	188,700 *	152,500 *	26.0	70.7	178,300 *	162,200 *	151,400 *	122,700 *	30.0	70.1	147,900 *	134,700 *	126,700 *	102,900 *
24.0	69.1	197,700 *	187,600 *	177,400 *	149,800 *	28.0	68.6	162,200 *	148,300 *	141,600 *	120,800 *	32.0	68.3	134,700 *	123,400 *	118,600 *	101,600 *
26.0	66.5	177,400 *	168,900 *	160,400 *	146,900 *	30.0	66.5	148,300 *	134,900 *	129,200 *	119,000 *	34.0	66.5	123,400 *	113,700 *	109,600 *	100,300 *
28.0	64.0	160,400 *	153,200 *	145,900 *	139,400 *	32.0	64.4	134,900 *	123,600 *	118,800 *	113,900 *	36.0	64.7	113,700 *	105,500 *	101,900 *	98,300 *
30.0	61.4	145,900 *	139,600 *	133,300 *	127,700 *	34.0	62.2	123,600 *	113,900 *	109,800 *	105,800 *	38.0	62.8	105,500 *	98,300 *	95,100 *	91,900 *
32.0	58.7	133,300 *	127,700 *	122,100 *	117,100 *	36.0	60.0	113,900 *	105,800 *	103,300 *	100,900 *	40.0	61.0	98,300 *	91,900 *	89,100 *	86,400 *
34.0	55.9	122,100 *	117,100 *	112,200 *	107,800 *	38.0	57.7	105,800 *	100,900 *	98,500 *	95,300 *	45.0	56.1	83,700 *	79,100 *	76,900 *	74,900 *
36.0	53.0	112,200 *	107,800 *	103,300 *	99,300 *	40.0	55.4	98,500 *	95,300 *	92,100 *	89,300 *	50.0	50.9	72,700 *	70,100 *	68,600 *	67,200 *
38.0	50.0	103,300 *	99,300 *	95,200 *	91,300 *	45.0	49.3	83,900 *	81,500 *	79,300 *	77,100 *	55.0	45.3	64,300 *	62,900 *	61,500 *	60,100 *
40.0	46.8	95,200 *	91,300 *	87,500 *	83,900 *	50.0	42.4	72,000 *	69,700 *	67,300 *	64,900 *	60.0	39.0	57,300 *	55,500 *	53,800 *	52,100 *
45.0	38.0	76,900 *	73,600 *	70,300 *	70,300 *	55.0	34.4	60,100 *	57,800 *	55,400 *	54,200 *	65.0	31.7	48,700 *	46,900 *	45,100 *	44,300 *
Reeves		11	9	7	6	Reeves		10	8	6	5	Reeves		9	7	5	4
80' Boom						90' Boom						100' Boom					
		360° Rated Load (lbs)						360° Rated Load (lbs)						360° Rated Load (lbs)			
Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List
22.0	78.6	211,800 *	179,800 *			22.0	79.9	207,600 *				24.0	79.8	183,400 *			
24.0	77.1	190,200 *	172,600 *	119,800 *		24.0	78.6	186,500 *	158,900 *			26.0	78.6	166,400 *	141,700 *		
26.0	75.7	172,600 *	157,800 *	117,900 *	92,200 *	26.0	77.3	169,000 *	154,700 *	104,200 *		28.0	77.4	152,300 *	139,100 *	92,500 *	
28.0	74.2	157,800 *	145,500 *	116,100 *	91,000 *	28.0	76.0	154,700 *	142,600 *	102,900 *	80,500 *	30.0	76.2	140,400 *	130,200 *	91,400 *	70,900 *
30.0	72.7	145,500 *	134,400 *	114,400 *	89,800 *	30.0	74.6	142,600 *	132,200 *	101,400 *	79,500 *	32.0	75.0	130,200 *	121,400 *	90,100 *	70,100 *
32.0	71.1	134,400 *	123,000 *	112,700 *	88,700 *	32.0	73.3	132,200 *	122,700 *	100,000 *	78,700 *	34.0	73.8	121,400 *	112,800 *	89,000 *	69,400 *
34.0	69.6	123,000 *	113,300 *	108,500 *	87,600 *	34.0	72.0	122,700 *	113,000 *	98,700 *	77,800 *	36.0	72.6	112,800 *	104,700 *	87,900 *	68,500 *
36.0	68.1	113,300 *	105,100 *	101,500 *	86,600 *	36.0	70.6	113,000 *	104,700 *	97,400 *	76,900 *	38.0	71.4	104,700 *	97,400 *	86,800 *	67,900 *
38.0	66.5	105,100 *	97,800 *	94,600 *	85,600 *	38.0	69.3	104,700 *	97,400 *	91,200 *	76,000 *	40.0	70.2	97,400 *	91,000 *	85,300 *	67,200 *
40.0	64.9	97,800 *	91,400 *	88,700 *	83,000 *	40.0	67.9	97,400 *	91,200 *	85,500 *	75,100 *	45.0	67.1	82,800 *	78,100 *	73,800 *	65,400 *
45.0	60.8	83,300 *	78,700 *	76,400 *	74,400 *	45.0	64.4	82,800 *	78,200 *	74,000 *	72,000 *	50.0	63.9	71,800 *	68,400 *	64,900 *	63,200 *
50.0	56.6	72,300 *	68,900 *	67,200 *	65,600 *	50.0	60.8	72,000 *	68,600 *	66,300 *	63,400 *	55.0	60.7	63,200 *	60,500 *	57,800 *	56,400 *
55.0	52.1	63,900 *	61,100 *	59,700 *	58,200 *	55.0	57.0	63,400 *	60,600 *	59,200 *	56,400 *	60.0	57.3	56,400 *	54,100 *	51,800 *	50,700 *
60.0	47.4	56,800 *	54,600 *	53,500 *	52,400 *	60.0	53.1	56,400 *	54,200 *	53,100 *	51,800 *	65.0	53.8	50,700 *	48,800 *	47,600 *	46,000 *
65.0	42.2	51,300 *	49,800 *	49,000 *	48,200 *	65.0	48.9	50,900 *	49,000 *	48,100 *	47,200 *	70.0	50.1	46,000 *	44,400 *	43,500 *	41,800 *
70.0	36.3	46,700 *	45,400 *	44,100 *	42,900 *	70.0	44.4	46,200 *	44,700 *	43,900 *	43,100 *	75.0	46.2	41,800 *	40,500 *	39,900 *	39,100 *
75.0	29.5	40,300 *	38,900 *	37,500 *	36,800 *	75.0	39.6	42,300 *	40,900 *	40,200 *	39,500 *	80.0	42.0	38,500 *	37,400 *	36,800 *	36,200 *
						80.0	34.1	38,800 *	37,100 *	36,200 *	35,400 *	85.0	37.4	35,700 *	34,500 *	33,900 *	33,400 *
												90.0	32.3	32,800 *	31,400 *	30,700 *	30,000 *
Reeves		8	7	5	4	Reeves		8	6	4	3	Reeves		7	5	4	3

Refer to notes on page 39.

CRANE - LIFTING CHART

Barge

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

110' Boom					120' Boom					130' Boom							
		360° Rated Load (lbs)						360° Rated Load (lbs)						360° Rated Load (lbs)			
Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List
26.0	79.6	164,200 *				28.0	79.5	147,000 *				30.0	79.5	134,000 *			
28.0	78.6	150,100 *	126,100 *			30.0	78.6	135,500 *	113,900 *			32.0	78.6	124,100 *	103,000 *		
30.0	77.5	138,200 *	123,100 *	82,800 *		32.0	77.6	125,600 *	111,300 *	74,000 *		34.0	77.7	115,500 *	101,600 *	66,900 *	
32.0	76.4	128,300 *	119,400 *	81,700 *	63,200 *	34.0	76.6	117,000 *	106,200 *	73,100 *	56,300 *	36.0	76.7	108,200 *	98,300 *	66,100 *	50,700 *
34.0	75.4	119,400 *	111,900 *	80,900 *	62,600 *	36.0	75.6	109,500 *	99,800 *	72,300 *	55,700 *	38.0	75.8	101,600 *	93,000 *	65,300 *	50,200 *
36.0	74.3	111,900 *	104,400 *	79,800 *	61,900 *	38.0	74.6	102,900 *	93,500 *	71,500 *	55,300 *	40.0	74.9	95,600 *	87,500 *	64,700 *	49,800 *
38.0	73.2	104,400	97,200	78,900 *	61,200 *	40.0	73.6	96,700	87,600	70,700 *	54,700 *	45.0	72.6	82,000	75,100	63,000 *	48,700
40.0	72.1	97,200	90,800	78,000 *	60,800 *	45.0	71.1	82,200	75,100	69,000 *	53,400 *	50.0	70.3	70,900	65,800	61,500 *	47,600 *
45.0	69.3	82,600	77,900	73,600	59,200 *	50.0	68.6	71,200	66,000	62,600	52,200 *	55.0	67.9	62,300	58,200	55,500	46,600 *
50.0	66.5	71,600	68,200	64,700	57,800 *	55.0	65.9	62,600	58,300	55,500	51,000 *	60.0	65.5	55,500	52,100	49,800	45,600 *
55.0	63.6	63,000	60,300	57,500	55,000	60.0	63.3	55,500	52,700	50,900	49,000	65.0	63.0	49,800	46,900	44,900	43,300
60.0	60.6	56,200	53,900	51,600	49,500	65.0	60.6	50,000	48,100	46,100	44,400	70.0	60.5	44,900	42,500	41,000	39,800
65.0	57.5	50,400	48,500	46,600	44,900	70.0	57.8	45,100	43,600	42,000	40,500	75.0	57.9	41,000	39,200	38,000	36,900
70.0	54.4	45,600	44,000	42,400	41,600	75.0	54.9	41,200	39,800	38,400	37,100	80.0	55.3	37,400	36,300	35,100	34,000
75.0	51.1	41,600	40,300	39,000	38,300	80.0	51.9	37,600	36,500	35,400	34,300	85.0	52.5	34,600	33,500	32,400	31,500
80.0	47.6	38,300	37,100	36,300	35,200	85.0	48.7	34,800	33,700	32,700	32,100	90.0	49.7	31,900	31,000	30,200	29,300
85.0	43.9	35,200	34,300	33,800	32,800	90.0	45.4	32,100	31,300	30,400	29,900	95.0	46.7	29,700	28,800	27,900	27,200
90.0	39.9	32,800	31,800	31,300	30,800	95.0	41.9	29,900	29,100	28,600	27,900	100.0	43.5	27,500	26,800	26,100	25,700
95.0	35.6	30,400	29,400 *	28,900 *	28,400 *	100.0	38.1	27,900	27,200	26,800	26,300	105.0	40.2	25,700	25,100	24,700	24,200
100.0	30.7	27,900 *	26,800 *	26,200 *	25,600 *	105.0	34.0	26,000	25,100 *	24,600 *	24,200 *	110.0	36.6	24,200	23,600 *	23,300 *	22,700 *
												115.0	32.6	22,700 *	21,700 *	21,200 *	20,600 *
Reeves		6	5	3	3	Reeves		5	4	3	2	Reeves		5	4	3	2
140' Boom					150' Boom					160' Boom							
		360° Rated Load (lbs)						360° Rated Load (lbs)						360° Rated Load (lbs)			
Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List
32.0	79.4	122,100 *				34.0	79.3	112,600 *				34.0	80.0	110,800 *			
34.0	78.5	113,500 *	94,100 *			36.0	78.5	105,100 *	85,200 *			36.0	79.3	103,600 *			
36.0	77.7	106,200 *	92,800 *	60,400 *		38.0	77.8	98,700 *	84,100 *	54,600 *		38.0	78.5	97,000 *	78,000 *		
38.0	76.9	99,800 *	90,600 *	60,100 *	45,800 *	40.0	77.0	93,000 *	83,000 *	54,200 *		40.0	77.8	91,200 *	77,100 *	50,000 *	
40.0	76.0	94,100 *	86,700 *	59,600 *	45,400 *	45.0	75.0	81,100 *	74,500	52,800 *	40,400 *	45.0	76.0	79,500 *	73,800 *	48,700 *	36,900 *
45.0	73.9	81,700	74,700	58,200 *	44,400 *	50.0	73.0	70,500	65,300	51,500 *	39,500 *	50.0	74.1	70,100	64,900	47,600 *	36,200 *
50.0	71.7	70,700	65,600	56,600 *	43,500 *	55.0	71.0	61,900	57,700	50,300 *	38,700 *	55.0	72.2	61,500	57,400	46,500 *	35,400 *
55.0	69.6	62,100	57,900	55,100	42,600 *	60.0	69.0	54,800	51,400	48,200	37,900 *	60.0	70.3	54,600	51,200	45,500 *	34,700 *
60.0	67.4	55,100	51,600	49,300	41,800 *	65.0	66.9	49,100	46,300	43,800	37,300 *	65.0	68.4	48,900	46,000	43,200	34,100 *
65.0	65.1	49,300	46,600	44,700	41,000 *	70.0	64.8	44,500	42,000	40,300	36,500 *	70.0	66.5	44,000	41,700	39,400	33,500 *
70.0	62.8	44,700	42,300	40,700	39,200 *	75.0	62.6	40,300	38,300	37,000	34,800 *	75.0	64.5	40,100	38,000	35,900	32,800 *
75.0	60.5	40,700	38,600	37,200	36,000	80.0	60.4	37,000	35,100	33,900	32,600	80.0	62.5	36,500	34,700	32,900	31,500 *
80.0	58.1	37,200	35,400	34,100	33,200	85.0	58.2	33,900	32,300	31,300	30,400	85.0	60.4	33,500	31,900	30,400	29,500
85.0	55.6	34,100	32,700	31,700	30,700	90.0	55.9	31,300	29,900	29,100	28,200	90.0	58.3	30,800	29,500	28,600	27,400
90.0	53.1	31,700	30,200	29,300	28,600	95.0	53.6	29,100	27,700	26,800	26,100	95.0	56.2	28,600	27,400	26,600	25,600
95.0	50.5	29,300	28,300	27,600	26,900	100.0	51.1	26,800	25,800	25,100	24,400	100.0	54.0	26,600	25,400	24,600	24,000
100.0	47.7	27,300	26,500	25,700	25,000	105.0	48.6	25,100	24,000	23,300	22,900	105.0	51.7	24,600	23,700	23,100	22,500
105.0	44.9	25,300	24,700	24,100	23,500	110.0	46.0	23,300	22,700	22,200	21,700	110.0	49.4	23,100	22,200	21,600	21,000
110.0	41.8	23,800	23,100	22,500	22,200	115.0	43.2	22,000	21,500	20,900	20,400	115.0	47.0	21,600	20,800	20,200	19,800
115.0	38.6	22,200	21,700	21,200	20,900	120.0	40.3	20,700	20,100	19,600	19,200 *	120.0	44.4	20,200	19,600	19,100	18,700
120.0	35.2	20,900	20,400 *	20,000 *	19,600 *	125.0	37.2	19,400	18,900 *	18,500 *	18,200 *	125.0	41.8	18,900	18,500	18,000	17,600
125.0	31.4	19,600 *	18,700 *	18,200 *	17,700 *	130.0	33.9	18,200 *	17,500 *	17,100 *	16,500 *	130.0	39.0	17,800	17,400	16,900	16,500 *
						135.0	30.2	16,500 *	15,800 *	15,400 *	15,000 *	135.0	36.0	16,700	16,300 *	15,800 *	15,600 *
												140.0	32.8	15,600 *	15,000 *	14,600 *	14,100 *
Reeves		5	4	3	2	Reeves		4	3	2	2	Reeves		4	3	2	2

Refer to notes on page 39.

CRANE - LIFTING CHART

Barge

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

170' Boom						180' Boom						190' Boom					
		360° Rated Load (lbs)						360° Rated Load (lbs)						360° Rated Load (lbs)			
Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List
36.0	79.9	102,000 *				38.0	79.8	88,400 *				40.0	79.8	88,100 *			
38.0	79.2	95,600 *				40.0	79.2	88,400 *				45.0	78.2	76,400 *	58,900 *		
40.0	78.5	89,900 *	71,200 *			45.0	77.6	77,600 *	63,300 *	41,000 *		50.0	76.7	67,200 *	57,200 *	37,100 *	27,500 *
45.0	76.8	78,200 *	69,100 *	45,000 *	33,800 *	50.0	75.9	68,500 *	61,400 *	40,200 *	30,200 *	55.0	75.1	59,900 *	54,400 *	36,300 *	27,100 *
50.0	75.1	69,200 *	63,700 *	44,000 *	33,200 *	55.0	74.3	61,000 *	55,400 *	39,300 *	29,500 *	60.0	73.5	53,700 *	49,200 *	35,500 *	26,600 *
55.0	73.3	61,200	57,000	43,000 *	32,500 *	60.0	72.6	54,000	49,400	38,400 *	28,800 *	65.0	72.0	48,000	44,100	34,700 *	26,000 *
60.0	71.5	54,200	50,700	42,100 *	32,000 *	65.0	70.9	48,200	44,500	37,500 *	28,400 *	70.0	70.4	43,200	40,000	34,000 *	25,500 *
65.0	69.7	48,500	45,700	41,000 *	31,400 *	70.0	69.2	43,600	40,200	36,700 *	27,800 *	75.0	68.7	39,200	36,400	33,100 *	25,100 *
70.0	67.9	43,800	41,300	39,000	30,700 *	75.0	67.5	39,400	37,200	35,500	27,400 *	80.0	67.1	35,700	33,200	31,500	24,600 *
75.0	66.1	39,600	37,600	35,700	30,100 *	80.0	65.8	36,100	34,300	32,500	26,800 *	85.0	65.5	32,600	30,500	29,100	24,000 *
80.0	64.2	36,300	34,500	32,700	29,600 *	85.0	64.0	33,000	31,400	29,900	26,300 *	90.0	63.8	29,900	28,200	26,800	23,500 *
85.0	62.3	33,200	31,700	30,100	28,600 *	90.0	62.2	30,400	28,900	27,600	25,800 *	95.0	62.1	27,700	26,000	24,900	23,200 *
90.0	60.4	30,600	29,100	27,800	27,000	95.0	60.4	27,900	26,800	25,600	24,300 *	100.0	60.4	25,500	24,300	23,400	22,200 *
95.0	58.4	28,200	27,000	25,800	25,100	100.0	58.5	26,000	24,800	23,700	22,700	105.0	58.6	23,800	22,700	21,700	20,800
100.0	56.4	26,200	25,100	24,100	23,400	105.0	56.6	24,000	23,100	22,100	21,400	110.0	56.8	22,000	21,100	20,200	19,400
105.0	54.4	24,400	23,400	22,700	21,700	110.0	54.7	22,400	21,500	20,600	20,100	115.0	55.0	20,500	19,700	18,900	18,200
110.0	52.2	22,700	21,700	21,100	20,500	115.0	52.7	20,900	20,100	19,400	18,800	120.0	53.1	19,100	18,500	17,800	17,100
115.0	50.1	21,100	20,300	19,800	19,400	120.0	50.6	19,600	18,800	18,200	17,600	125.0	51.2	18,000	17,200	16,500	16,200
120.0	47.8	19,800	19,100	18,700	18,200	125.0	48.5	18,200	17,600	17,100	16,600	130.0	49.2	16,700	16,200	15,600	15,200
125.0	45.5	18,700	17,900	17,400	17,000	130.0	46.4	17,100	16,500	16,000	15,700	135.0	47.2	15,800	15,200	14,700	14,200
130.0	43.0	17,400	16,800	16,500	16,100	135.0	44.1	16,000	15,500	15,200	14,800	140.0	45.0	14,700	14,200	13,800	13,400
135.0	40.5	16,500	15,900	15,600	15,200	140.0	41.7	15,200	14,600	14,300	14,000 *	145.0	42.9	13,800	13,300	13,000	12,700 *
140.0	37.8	15,400	15,000	14,700	14,200 *	145.0	39.3	14,300	13,800 *	13,500 *	13,200 *	150.0	40.6	13,000	12,600 *	12,300 *	11,900 *
145.0	34.9	14,500	14,000 *	13,400 *	13,000 *	150.0	36.6	13,400	13,000 *	12,500 *	12,000 *	155.0	38.2	12,300 *	11,600 *	11,200 *	10,800 *
150.0	31.8	13,200 *	12,600 *	12,100 *	11,900 *	155.0	33.8	12,300 *	11,800 *	11,200 *	10,800 *	160.0	35.6	11,200 *	10,600 *	10,300 *	9,900 *
						160.0	30.8	11,000 *	10,400 *	9,900 *	9,700 *	165.0	32.9	10,100 *	9,700 *	9,200 *	8,800 *
												170.0	30.0	9,000 *	8,500 *	8,100 *	7,900 *
Reeves		4	3	2	2	Reeves		3	3	2	2	Reeves		3	2	2	2
200' Boom					210' Boom					220' Boom							
		360° Rated Load (lbs)						360° Rated Load (lbs)						360° Rated Load (lbs)			
Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List
45.0	78.8	75,100 *	54,700 *			45.0	79.4	73,800 *				45.0	79.8	58,800 *			
50.0	77.3	66,100 *	53,200 *	34,000 *		50.0	78.0	65,000 *	49,200 *			50.0	78.5	58,800 *	44,600 *		
55.0	75.9	58,800 *	51,100 *	33,300 *	24,800 *	55.0	76.6	57,700 *	47,100 *	30,600 *	22,600 *	55.0	77.2	57,700 *	42,700 *	28,000 *	
60.0	74.4	52,900 *	48,200 *	32,800 *	24,300 *	60.0	75.1	51,800 *	45,100 *	30,000 *	22,100 *	60.0	75.8	51,800 *	40,900 *	27,300 *	19,800 *
65.0	72.9	47,600	43,900	32,100 *	23,700 *	65.0	73.7	46,900 *	42,900 *	29,300 *	21,700 *	65.0	74.5	46,700 *	39,100 *	26,700 *	19,400 *
70.0	71.4	42,900	39,600	31,400 *	23,200 *	70.0	72.3	42,500	39,100	28,700 *	21,200 *	70.0	73.1	42,300 *	37,300 *	26,100 *	19,000 *
75.0	69.9	38,800	35,900	30,800 *	22,800 *	75.0	70.9	38,300	35,500	28,000 *	20,800 *	75.0	71.8	38,300	35,200 *	25,600 *	18,700 *
80.0	68.3	35,200	32,900	30,100 *	22,400 *	80.0	69.4	34,800	32,500	27,500 *	20,400 *	80.0	70.4	34,800	32,300	24,800 *	18,300 *
85.0	66.8	32,400	30,200	28,700	22,000 *	85.0	67.9	31,900	29,800	26,800 *	19,900 *	85.0	69.0	31,700	29,600	23,900 *	18,000 *
90.0	65.2	29,700	27,800	26,500	21,600 *	90.0	66.5	29,300	27,300	25,700 *	19,500 *	90.0	67.6	29,100	27,300	23,000 *	17,700 *
95.0	63.6	27,300	25,700	24,500	21,100 *	95.0	64.9	26,800	25,300	24,100	19,100 *	95.0	66.2	26,800	25,100	22,100 *	17,300 *
100.0	62.0	25,300	23,700	22,700	20,900 *	100.0	63.4	24,900	23,300	22,300	18,900 *	100.0	64.7	24,600	23,200	21,200 *	16,800 *
105.0	60.3	23,300	22,100	21,200	20,200	105.0	61.9	22,900	21,600	20,700	18,500 *	105.0	63.3	22,900	21,500	20,200 *	16,400 *
110.0	58.7	21,800	20,500	19,700	18,900	110.0	60.3	21,300	20,100	19,300	17,800 *	110.0	61.8	21,100	19,900	19,000	15,700 *
115.0	57.0	20,200	19,200	18,500	17,800	115.0	58.7	19,800	18,700	17,900	17,100	115.0	60.3	19,600	18,500	17,700	15,100 *
120.0	55.2	18,700	18,000	17,400	16,700	120.0	57.1	18,500	17,400	16,700	16,000	120.0	58.8	18,200	17,200	16,500	14,500 *
125.0	53.5	17,600	16,900	16,300	15,600	125.0	55.5	17,100	16,300	15,600	14,900	125.0	57.2	16,900	16,000	15,400	13,900 *
130.0	51.6	16,500	15,800	15,200	14,500	130.0	53.8	16,000	15,200	14,600	14,000	130.0	55.7	15,800	14,900	14,400	13,400 *
135.0	49.8	15,400	14,700	14,100	13,700	135.0	52.1	14,900	14,200	13,700	13,100	135.0	54.1	14,700	14,000	13,500	12,700 *
140.0	47.9	14,300	13,800	13,300	13,000	140.0	50.3	13,800	13,300	12,800	12,400	140.0	52.4	13,800	13,100	12,600	12,100
145.0	45.9	13,400	13,000	12,600	12,200	145.0	48.5	13,000	12,600	12,100	11,600	145.0	50.8	13,000	12,300	11,800	11,300
150.0	43.8	12,700	12,200	11,900	11,500 *	150.0	46.6	12,300	11,800	11,200	10,800	150.0	49.1	12,100	11,500	11,000	10,500
155.0	41.7	11,900	11,500 *	11,200 *	10,800 *	155.0	44.7	11,400	10,900	10,400	10,100	155.0	47.3	11,200	10,700	10,200	9,800
160.0	39.5	11,200 *	10,700 *	10,300 *	9,900 *	160.0	42.7	10,500	10,100	9,800 *	9,500 *	160.0	45.5	10,300	9,900	9,500 *	9,100 *
165.0	37.1	10,300 *	9,700 *	9,200 *	8,900 *	165.0	40.6	9,900	9,500 *	9,200 *	8,700 *	165.0	43.6	9,700	9,300 *	8,800 *	8,400 *
170.0	34.7	9,200 *	8,800 *	8,500 *	8,100 *	170.0	38.5	9,200 *	8,500 *	8,100 *	7,800 *	170.0	41.7	9,000 *	8,500 *	8,000 *	7,600 *
175.0	32.0	8,300 *	7,900 *	7,400 *	7,000 *	175.0	36.2	8,100 *	7,600 *	7,200 *	6,900 *	175.0	39.7	8,100 *	7,600 *	7,200 *	6,800 *
						180.0	33.8	7,200 *	6,700 *	6,300 *	6,000 *	180.0	37.6	7,200 *	6,800 *	6,400 *	6,100 *
						185.0	31.2	6,300 *	5,900 *	5,600 *	5,300 *	185.0	35.3	6,600 *	6,000 *	5,700 *	5,300 *
												190.0	33.0	5,700 *	5,200 *	4,800 *	4,500 *
												195.0	30.5	4,800 *	4,400 *	4,100 *	
Reeves		3	2	2	2	Reeves		3	2	2	2	Reeves		2	2	2	2

Refer to notes on page 39.

CRANE - LIFTING CHART

Barge

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

230' Boom						240' Boom						250' Boom					
360° Rated Load (lbs)						360° Rated Load (lbs)						360° Rated Load (lbs)					
Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List
50.0	79.0	58,800 *				50.0	79.5	54,400 *				50.0	79.9	50,200 *			
55.0	77.7	55,700 *	39,200 *	25,600 *		55.0	78.3	51,300 *	36,100 *			55.0	78.7	47,300 *	33,200 *		
60.0	76.5	50,700 *	37,400 *	25,100 *	18,100 *	60.0	77.0	48,200 *	34,300 *	22,800 *		60.0	77.6	44,500 *	31,700 *	21,000 *	
65.0	75.2	45,800 *	36,000 *	24,600 *	17,700 *	65.0	75.8	44,700 *	32,800 *	22,300 *	15,800 *	65.0	76.4	42,100 *	30,200 *	20,500 *	14,400 *
70.0	73.9	41,400 *	34,400 *	24,000 *	17,400 *	70.0	74.6	40,500 *	31,300 *	21,900 *	15,500 *	70.0	75.2	39,600 *	28,600 *	19,900 *	14,000 *
75.0	72.6	37,900 *	32,900 *	23,500 *	17,000 *	75.0	73.3	37,000 *	29,700 *	21,200 *	15,100 *	75.0	74.0	36,100 *	27,300 *	19,400 *	13,700 *
80.0	71.3	34,600	31,300 *	22,800 *	16,600 *	80.0	72.1	33,700 *	28,200 *	20,400 *	14,800 *	80.0	72.8	33,000 *	25,700 *	18,600 *	13,400 *
85.0	69.9	31,500	29,300 *	21,900 *	16,300 *	85.0	70.8	31,000 *	26,800 *	19,500 *	14,500 *	85.0	71.6	30,200 *	24,600 *	17,800 *	13,000 *
90.0	68.6	28,800	26,900	21,000 *	16,000 *	90.0	69.5	28,400	25,500 *	18,800 *	14,200 *	90.0	70.4	27,900 *	23,300 *	16,900 *	12,700 *
95.0	67.3	26,400	24,800	20,100 *	15,600 *	95.0	68.3	26,000	24,200 *	18,100 *	13,900 *	95.0	69.2	25,700 *	22,000 *	16,200 *	12,300 *
100.0	65.9	24,400	22,800	19,300 *	15,100 *	100.0	67.0	24,000	22,400	17,300 *	13,400 *	100.0	67.9	23,500	20,900 *	15,300 *	11,800 *
105.0	64.5	22,400	21,200	18,400 *	14,600 *	105.0	65.7	22,000	20,800	16,400 *	12,900 *	105.0	66.7	21,800	19,800 *	14,600 *	11,200 *
110.0	63.1	20,900	19,700	17,600 *	14,100 *	110.0	64.3	20,500	19,200	15,600 *	12,300 *	110.0	65.4	20,000	18,500	13,800 *	10,800 *
115.0	61.7	19,400	18,100	16,800 *	13,500 *	115.0	63.0	18,900	17,900	14,900 *	11,700 *	115.0	64.2	18,500	17,100	13,200 *	10,300 *
120.0	60.3	17,800	16,900	15,800 *	12,800 *	120.0	61.7	17,600	16,500	14,100 *	11,200 *	120.0	62.9	17,100	16,000	12,600 *	9,700 *
125.0	58.8	16,700	15,600	14,900	12,200 *	125.0	60.3	16,300	15,400	13,400 *	10,600 *	125.0	61.6	15,800	14,900	11,900 *	9,200 *
130.0	57.4	15,400	14,700	14,100	11,700 *	130.0	58.9	15,200	14,300	12,600 *	10,000 *	130.0	60.3	14,700	13,800	11,200 *	8,600 *
135.0	55.9	14,500	13,600	13,000	11,200 *	135.0	57.5	14,100	13,200	11,900 *	9,500 *	135.0	58.9	13,600	12,700	10,400 *	8,100 *
140.0	54.3	13,400	12,700	12,200	10,500 *	140.0	56.0	13,000	12,300	11,300 *	8,900 *	140.0	57.6	12,500	11,800	9,800 *	7,500 *
145.0	52.8	12,500	11,800	11,300	10,100 *	145.0	54.6	12,100	11,200	10,700	8,400 *	145.0	56.2	11,600	10,900	9,300 *	7,100 *
150.0	51.2	11,600	10,900	10,400	9,400 *	150.0	53.1	11,000	10,400	10,000	7,800 *	150.0	54.8	10,800	10,000	8,600 *	6,700 *
155.0	49.6	10,800	10,000	9,600	9,000 *	155.0	51.6	10,300	9,600	9,200	7,400 *	155.0	53.4	9,900	9,200	8,000 *	6,000 *
160.0	47.9	9,900	9,300	9,000	8,400 *	160.0	50.0	9,400	8,900	8,400	6,800 *	160.0	51.9	9,000	8,500	7,400 *	5,600 *
165.0	46.2	9,200	8,800	8,400 *	7,800 *	165.0	48.5	8,800	8,100	7,600	6,300 *	165.0	50.5	8,300	7,600	6,800 *	5,200 *
170.0	44.4	8,500	8,200 *	7,700 *	7,100 *	170.0	46.8	7,900	7,400	7,000 *	5,900 *	170.0	49.0	7,400	6,900	6,300 *	4,800 *
175.0	42.6	7,900 *	7,400 *	6,900 *	6,600 *	175.0	45.2	7,200	6,900 *	6,600 *	5,400 *	175.0	47.4	6,800	6,400 *	5,700 *	4,100 *
180.0	40.7	7,000 *	6,600 *	6,200 *	5,900 *	180.0	43.4	6,800 *	6,300 *	5,900 *	4,900 *	180.0	45.8	6,300 *	5,800 *	5,200 *	
185.0	38.7	6,300 *	5,900 *	5,500 *	5,200 *	185.0	41.7	6,100 *	5,600 *	5,100 *	4,400 *	185.0	44.2	5,700 *	5,200 *	4,600 *	
190.0	36.7	5,700 *	5,200 *	4,800 *	4,500 *	190.0	39.8	5,200 *	4,800 *	4,400 *		190.0	42.5	5,000 *	4,600 *	4,100 *	
195.0	34.5	4,800 *	4,400 *	4,100 *		195.0	37.9	4,600 *	4,200 *			195.0	40.8	4,400 *	4,000 *		
200.0	32.2	4,100 *															
Reeves		2	2	2	2	Reeves		2	2	2	2	Reeves		2	2	2	2

Refer to notes on page 39.

LUFFING BOOM/JIB - SPECIFICATIONS

General Description

<i>Luffing boom with luffing jib maximum lift capacity</i>	170,000 lbs (77,111 kg) @ 26' operating radius
<i>Luffing jib maximum lift capacity</i>	79,000 lbs (35,800 kg) @ 40' operating radius
<i>Maximum luffing boom length</i>	157' (47.9 m)
<i>Maximum luffing jib length</i>	175' (53.3 m)
<i>Working weight</i>	Approx. 342,260 lbs (155,200 kg)
<i>Ground bearing pressure</i>	Approx. 13.1 psi (90.5 kPa)

Calculations to determine working weight, ground bearing pressure, and gradeability include the weight of the upper and lower works of the crane, counterweights, and carbody weights, 107' boom + 75' jib, and hook block.

Luffing Attachments

Luffing boom :

The welded lattice construction uses tubular, high-tension steel chords with pin connections between sections.

<i>Maximum boom length</i>	157' (47.9 m)
<i>Basic boom length</i>	107' (32.7 m)
<i>Boom base section</i>	25' (7.6 m)
<i>Boom insert section</i>	10' (3.0 m), 20' (6.1 m), 30' (9.1 m), 40' (12.2 m)
<i>Boom tip section (with pin connected boom point sheave)</i>	2' 2" (0.65 m)

Luffing boom insert (optional) :

Optional boom inserts are available to provide extension capabilities. They are robotic welded, laser aligned, lattice constructed with tubular, high-tension steel chords and pin connections.

<i>Boom insert</i>	10' (3.0 m), 20' (6.1 m), 30' (9.1 m), 40' (12.2 m)
--------------------	---

Luffing jib (optional) :

Luffing jib inserts are available to provide extension capabilities. The optional luffing jib employs welded lattice construction with tubular, high-tension steel chords with pin connections between sections.

<i>Maximum luffing jib length</i>	175' (53.3 m)
<i>Basic luffing jib length</i>	75' (22.9 m)
<i>Jib base section</i>	20' (6.1 m)
<i>Taper luffing jib insert section</i>	14' (4.3 m)
<i>Luffing jib insert</i>	10' (3.0 m), 20' (6.1 m), 40' (12.2 m)
<i>Jib tip section</i>	21' (6.4 m)
<i>No. of point sheaves</i>	2

Working Speed

<i>Hoist line speed (front and rear drums)</i>	393 to 10 ft/min (120 to 3 m/min)
<i>Lowering line speed (front and rear drums)</i>	393 to 10 ft/min (120 to 3 m/min)
<i>Boom hoist line speed</i>	157 to 6.6 ft/min (48 to 2 m/min)
<i>Boom lowering line speed</i>	157 to 6.6 ft/min (48 to 2 m/min)
<i>Swing speed (max.)</i>	2.1 rpm (2.1 min ⁻¹)
<i>Travel speed (high/low)</i>	0.81/0.6 mph (1.3/0.9 km/h)

Line speed based on single line, no load, and first layer of rope on the drum.

Auxiliary sheave :

One (1) sheave with rollers is required during erection of luffing jib.

Diameter of wire rope :

<i>Hoist rope</i>	26 mm
<i>Luffing jib rope (8 parts)</i>	26 mm
<i>Boom hoist rope (12 parts)</i>	20 mm
<i>Boom suspension rope</i>	30 mm
<i>Luffing jib suspension rope</i>	30 mm
<i>Strut suspension rope</i>	30 mm

Luffing boom hoist reeving :

Twelve (12) parts of 20 mm dia. high strength wire rope.

Luffing jib hoist reeving :

Eight (8) parts of 26 mm dia. high strength wire rope.

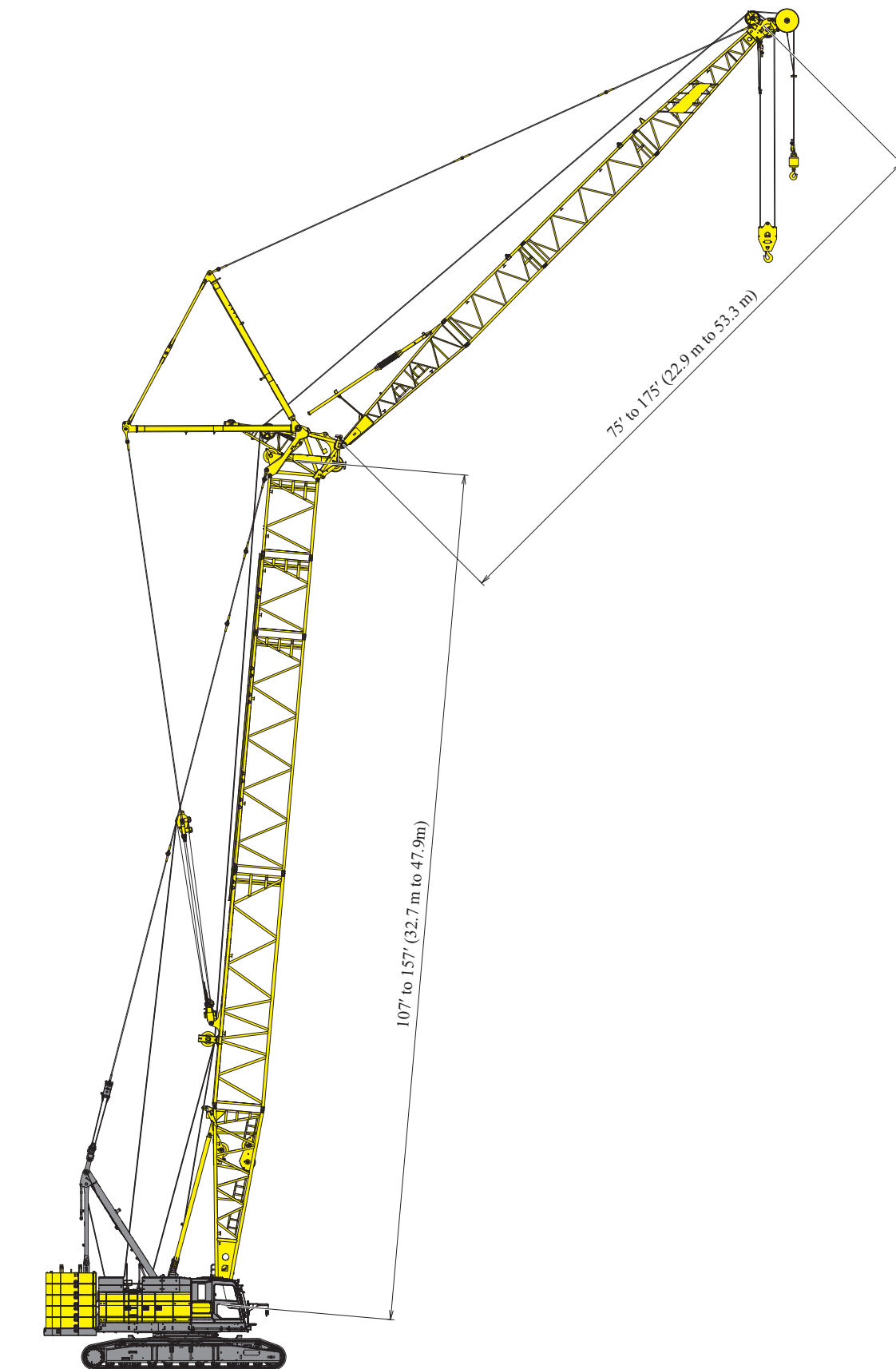
Luffing jib hoist drum :

<i>Hoist drum</i>	(Third drum on straight crane) Powered by hydraulic motor through planetary reducer.
<i>Drum</i>	Single drum grooved for 26 mm dia. wire rope.
<i>Brake</i>	A spring set, hydraulically released multiple-disc brake is internally configured in the hoist motor and is operated through a counter-balance valve. External ratchet for locking drum.

LUFFING BOOM/JIB - GENERAL DIMENSIONS

Luffing Jib

Unit : ft (m)

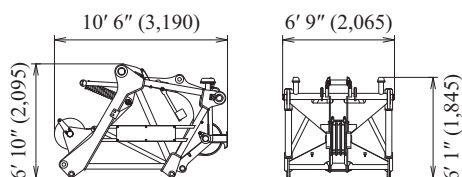


LUFFING BOOM/JIB - DIMENSIONS & WEIGHT

Dimensions : ft-in (mm) Weight : lbs (kg)

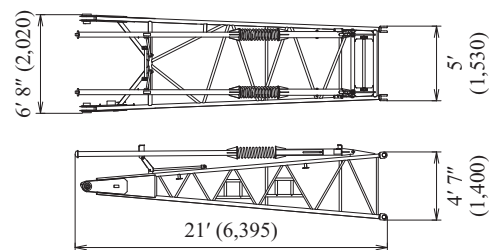
Luffing Boom Tip

Weight: 5,435 lbs (2,465 kg)



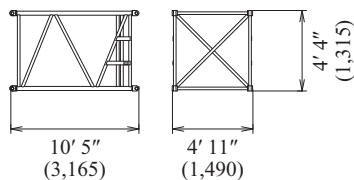
Jib Base (Luffing Jib)

Weight: 2,650 lbs (1,200 kg)



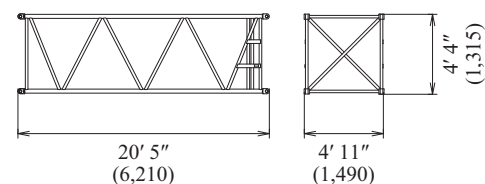
10 ft (3.0 m) Jib Insert (Luffing Jib)

Weight: 685 lbs (310 kg)



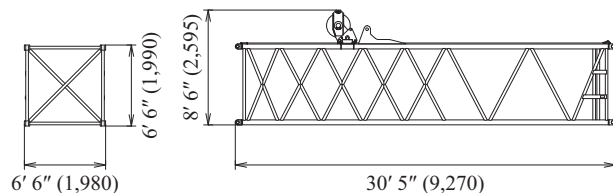
20 ft (6.1 m) Jib Insert (Luffing Jib)

Weight: 1,195 lbs (540 kg)



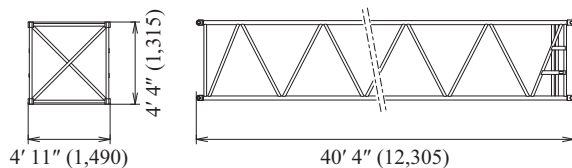
30 ft (9.1 m) Special Boom Insert

Weight: 4,480 lbs (2,030 kg)



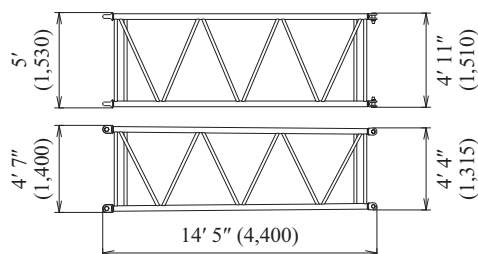
40 ft (12.2 m) Jib Insert (Luffing Jib)

Weight: 2,120 lbs (960 kg)



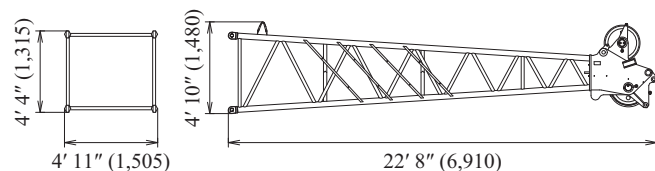
14 ft (4.3 m) Taper Jib Insert (Luffing Jib)

Weight: 905 lbs (410 kg)



Jib Tip (Luffing Jib)

Weight: 2,580 lbs (1,170 kg)

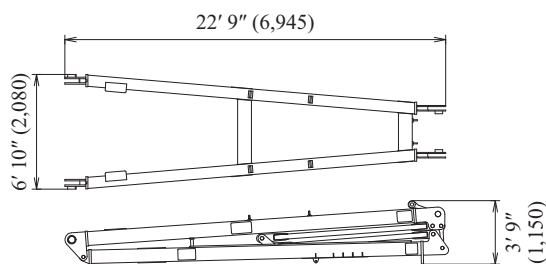


LUFFING BOOM/JIB - DIMENSIONS & WEIGHT

Dimensions : ft-in (mm) Weight : lbs (kg)

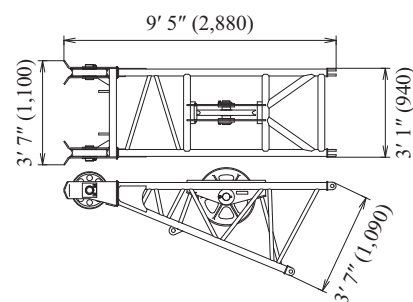
Jib Strut (Luffing Jib)

Weight: 4,435 lbs (2,010 kg)



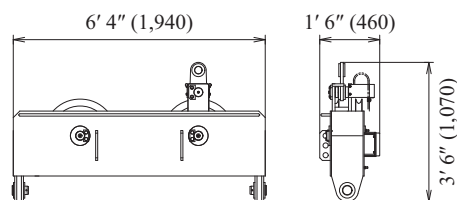
Luffing Jib Rear Guide Roller

Weight: 940 lbs (425 kg)



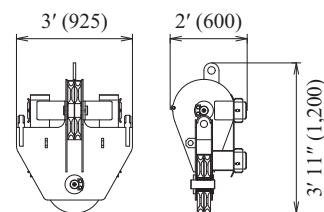
Luffing Jib Lower Spreader

Weight: 895 lbs (405 kg)



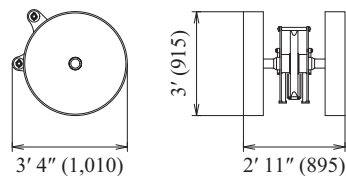
Luffing Jib Upper Spreader

Weight: 575 lbs (260 kg)



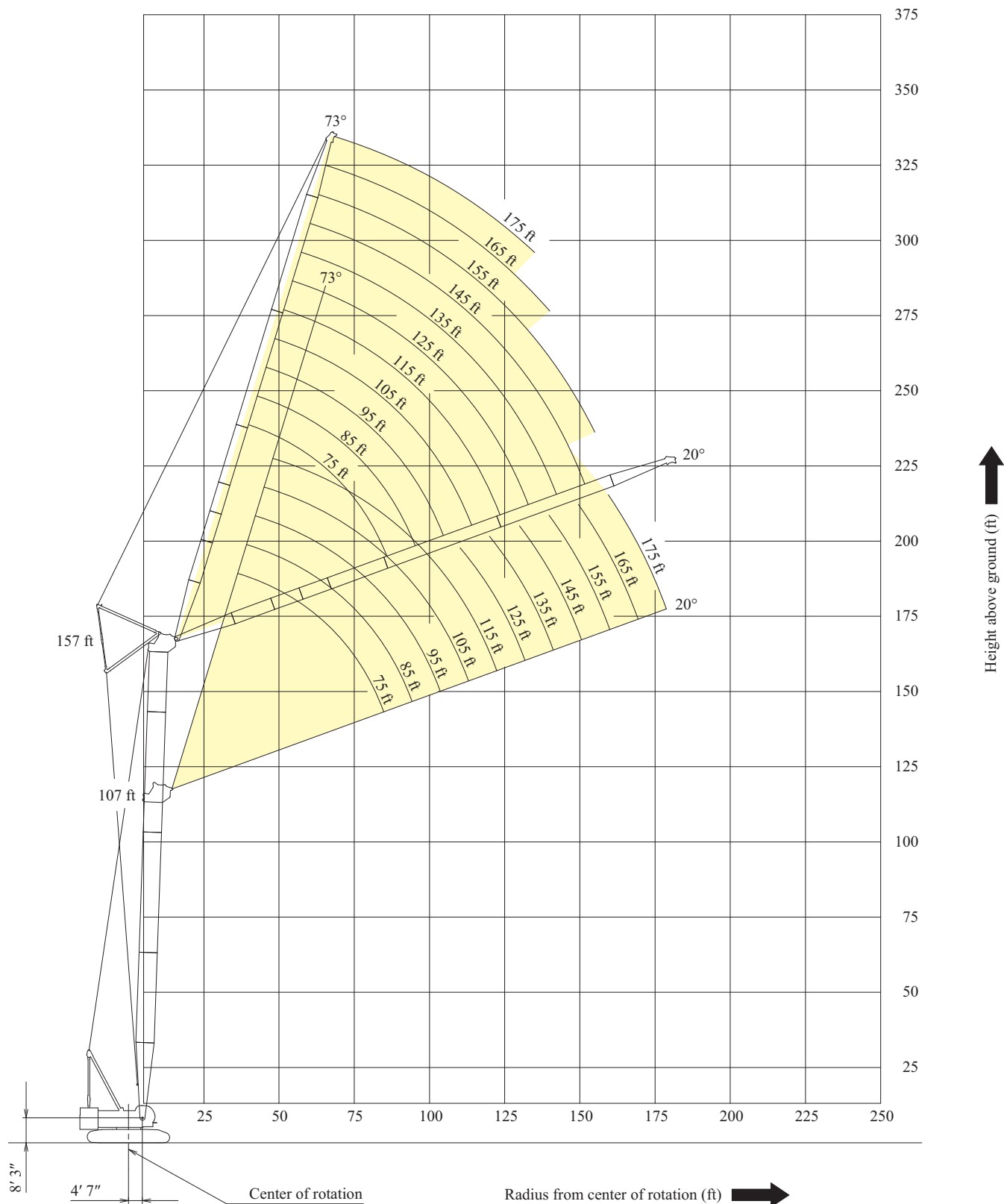
Luffing Jib Auxiliary Sheave

Weight: 840 lbs (380 kg)



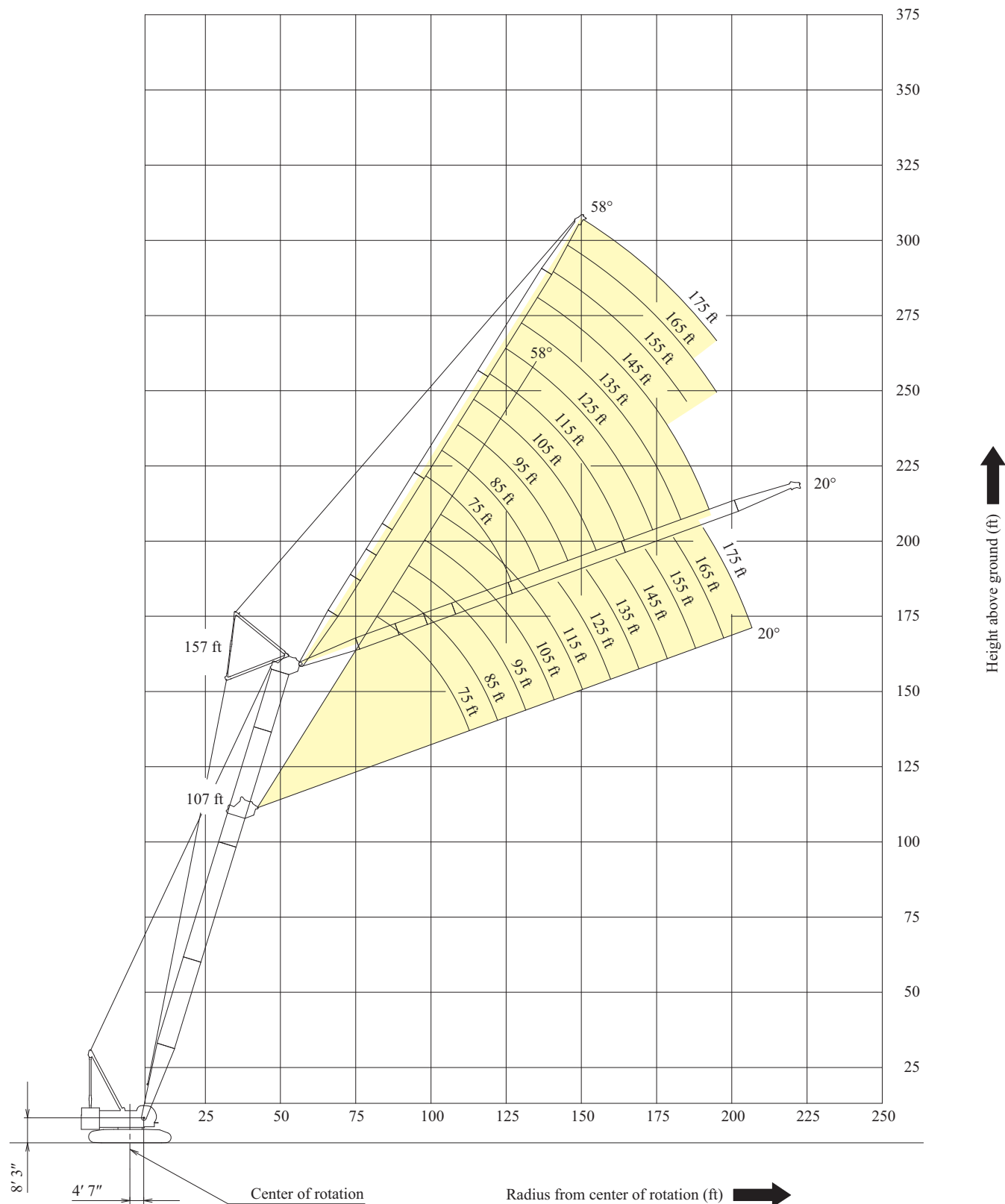
LUFFING BOOM/JIB - WORKING RANGES

Luffing Jib 88°



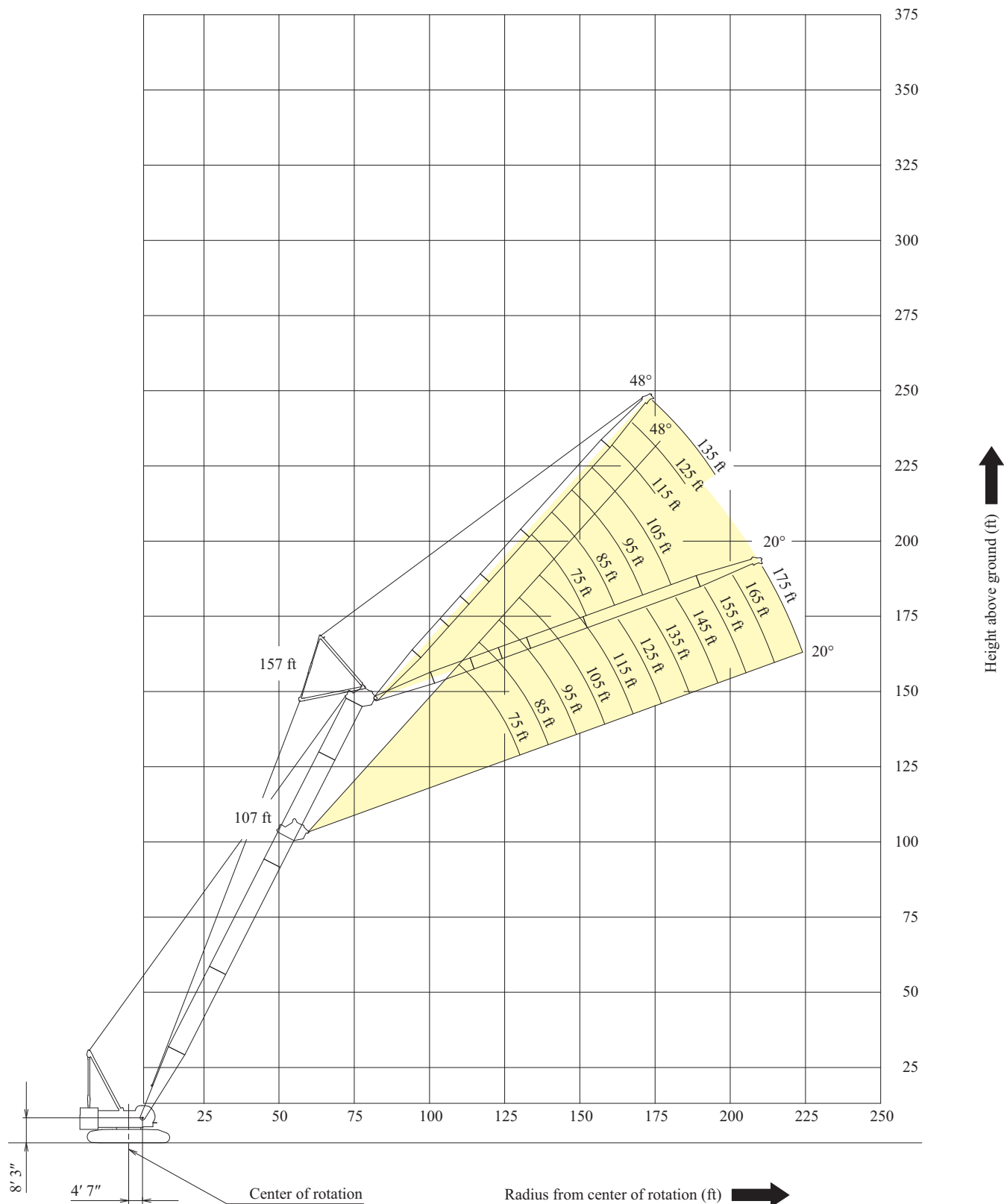
LUFFING BOOM/JIB - WORKING RANGES

Luffing Jib 73°



LUFFING BOOM/JIB - WORKING RANGES

Luffing Jib 68°



LUFFING BOOM/JIB - BOOM AND JIB ARRANGEMENTS

Luffing Boom Arrangement

Boom length : ft (m)	Boom arrangement
107 (32.7)	
117 (35.7)	※
127 (38.8)	※
137 (41.8)	※
147 (44.8)	※
157 (47.9)	※

Symbol	Boom Length	Remarks
	25 ft (7.6 m)	Boom Base
	2 ft 2 in (0.65 m)	Luffing Boom Tip
	10 ft (3.0 m)	Boom Insert
	20 ft (6.1 m)	Boom Insert
	40 ft (12.2 m)	Boom Insert
	30 ft (9.1 m)	Special Boom Insert

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

Luffing Jib Arrangement

Jib length : ft (m)	Jib arrangement
75 (22.9)	※
85 (25.9)	※
95 (29.0)	※
105 (32.0)	※
115 (35.1)	※
125 (38.1)	※
135 (41.1)	※
145 (44.2)	※
155 (47.2)	※
165 (50.3)	※
175 (53.3)	※

Symbol	Boom Length	Remarks
	20 ft (6.1 m)	Luffing Jib Base
	14 ft (4.3 m)	Taper Jib Insert
	10 ft (3.0 m)	Jib Insert
	20 ft (6.1 m)	Jib Insert
	40 ft (12.2 m)	Jib Insert
	21 ft (6.4 m)	Luffing Jib Tip

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

LUFFING BOOM/JIB - 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 length.
 - Gantry must be fully raised position for all operations.
 - The crane must be leveled to within 1% on a firm supporting surface.
 - Counterweights and carbody weights are fully installed.
- Do not attempt to lift where no radius on load is listed 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 rated loads.
- 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.
- The total load that can be lifted over jib is limited by rated jib loads.
- The total load that can be lifted over an auxiliary sheave should not exceed 29,500 lbs.

9. Luffing boom and jib combinations.

Boom Length (ft)	Jib Length (ft)										
	75	85	95	105	115	125	135	145	155	165	175
107	○	○	○	○	○	○	○	○	○	○	○
117	○	○	○	○	○	○	○	○	○	○	○
127	○	○	○	○	○	○	○	○	○	○	○
137	○	○	○	○	○	○	○	○	○	○	○
147	○	○	○	○	○	○	○	○	○	○	○
157	○*	○*	○*	○*	○*	○*	○*	○*	○*	○*	○*

○ : Combinations which is allowed.

○* : Combinations which is allowed without nesting roller (option)

- The boom should be erected over the front of the crawlers, not laterally. When erecting and lowering for all boom and jib combinations, the blocks for erection must be placed at the end of the crawlers.
- Least stable position is over the side.
- The boom should be erected over the front of the crawlers, not laterally. The blocks for erection must be placed at the end of the crawlers when erecting and lowering the boom.
 - In the case of nine counterweight, the boom length are 127 ft or over.
 - In the case of eleven counterweight and two carbody weights, the boom length are 147 ft or over.
- Maximum number of reeving parts of line for hoist rope.

• Luffing Jib

Boom Length (ft)	Jib Length (ft)										
	75	85	95	105	115	125	135	145	155	165	175
107	3	3	3	3	2	2	2	2	2	2	2
117	3	3	3	2	2	2	2	2	2	2	2
127	3	3	3	2	2	2	2	2	2	2	2
137	3	3	2	2	2	2	2	2	2	2	2
147	3	2	2	2	2	2	2	2	2	2	2
157	3	2	2	2	2	2	2	2	2	2	2

- Crane Boom with Luffing Jib attached
(11 counterweights + 2 carbody weights)

Boom Length (ft)	Jib Length (ft)										
	75	85	95	105	115	125	135	145	155	165	175
107	4	4	4	4	4	4	3	3	3	3	3
117	4	4	4	4	4	4	3	3	3	3	3
127	4	4	4	3	3	3	3	3	3	3	3
137	3	3	3	3	3	3	3	3	3	2	2
147	3	3	3	3	3	3	3	2	2	2	2
157	3	3	3	3	3	3	2	2	2	2	2



LUFFING BOOM/JIB - SUPPLEMENTAL DATA

14. 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
Maximum Loads (lbs)	29,500	59,000	88,500	118,000

Jib Hoist Loads

No. of Parts of line	1	2	3
Maximum Loads (lbs)	29,500	59,000	79,000

Auxilliary Hoist Loads

No. of Parts of line	1
Maximum Loads (lbs)	29,500

15. The total load that can be lifted over a luffing jib with main hook block is the value for 4,000 lbs deducted from rated load for the luffing jib without main hook block.
16. Lifting capacities listed apply only to the machine as originally manufactured and designed by KOBELCO CONSTRUCTION MACHINERY CO., LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.
17. Designed and rated to comply with ASME B30.5-2014.

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

LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

107' Boom												
Load Radius (ft)	Boom Angle (deg.)	Jib Length (ft)										
		75	85	95	105	115	125	135	145	155	165	175
30.0	79.0	109,100*	105,800*	102,000*	98,800*	95,500*	91,100*	87,400*	83,700*	78,900*	74,700*	70,400*
32.0	77.9	99,700*	96,300*	92,800*	89,600*	86,500*	82,400*	78,800*	75,100*	70,600*	66,500*	62,300*
34.0	76.8	91,500	88,300	84,800	81,800	78,800	74,900	71,400	67,800	63,400	59,500	55,400
36.0	75.7	84,300	81,200	77,800	74,900	71,900	68,200	64,700	61,300	57,100	53,400	49,400
38.0	74.6	77,000	74,100	70,700	68,000	65,100	61,400	58,100	54,900	50,800	47,200	43,300
40.0	73.4	70,300	67,400	64,200	61,500	58,700	55,200	51,900	48,800	44,900	41,400	37,700
45.0	70.6	56,500	53,700	50,700	48,100	45,400	42,100	39,100	36,200	32,500	29,100	25,800
50.0	67.7	46,000	43,300	40,600	38,100	35,600	32,400	29,700	26,800	23,200	20,100	17,000
55.0	64.7	37,600	35,000	32,300	30,000	27,600	24,600	22,000	19,200	15,800		
60.0	61.6	30,700	28,300	25,600	23,400	21,000	18,200					
65.0	58.4	25,300	22,900	20,400	18,200	16,000	13,100					
70.0	55.1	21,000	18,500	16,100	14,100							
75.0	51.7	17,200	14,900									
80.0	48.0	14,000										
85.0	44.2	11,100										
Reeves		4	4	4	4	4	4	3	3	3	3	3
117' Boom												
Load Radius (ft)	Boom Angle (deg.)	Jib Length (ft)										
		75	85	95	105	115	125	135	145	155	165	175
30.0	80.0	106,200*	102,700*	99,200*	95,900*	92,600*	88,600*	84,900*	81,200*	76,500*	72,400*	68,000*
32.0	79.0	97,300*	93,900*	90,400*	87,400*	84,200*	80,300*	76,700*	73,100*	68,600*	64,800*	60,500*
34.0	78.0	89,600*	86,400*	83,000*	80,100*	77,100*	73,200*	69,800*	66,300*	62,000*	58,300*	54,200*
36.0	76.9	82,900*	79,800*	76,500*	73,800*	70,800*	67,000*	63,700*	60,400*	56,200*	52,600*	48,700*
38.0	75.9	76,200*	73,200*	70,100*	67,400*	64,500*	60,800*	57,700*	54,500*	50,400*	46,900*	43,200*
40.0	74.9	69,900	67,000	64,000	61,400	58,500	55,000	52,000	48,900	44,900	41,500	38,000
45.0	72.3	56,500	53,600	50,700	48,200	45,600	42,400	39,500	36,600	32,800	29,700	26,400
50.0	69.7	46,000	43,400	40,600	38,300	35,800	32,700	30,000	27,200	23,800	20,700	17,500
55.0	67.0	37,600	35,100	32,300	30,200	27,800	24,800	22,200	19,600	16,400		
60.0	64.3	30,700	28,300	25,600	23,700	21,300	18,400					
65.0	61.5	25,300	22,900	20,400	18,400	16,200	13,600					
70.0	58.6	20,800	18,500	16,100	14,100							
75.0	55.6	17,100	14,900									
80.0	52.5	14,000										
85.0	49.2	11,100										
Reeves		4	4	4	4	4	4	3	3	3	3	3
127' Boom												
Load Radius (ft)	Boom Angle (deg.)	Jib Length (ft)										
		75	85	95	105	115	125	135	145	155	165	175
32.0	79.9	95,400*	92,100*	88,600*	85,500*	82,500*	78,500*	75,200*	71,500*	67,300*	63,400*	59,200*
34.0	78.9	87,300*	84,300*	81,000*	78,000*	75,000*	71,300*	67,800*	64,400*	60,300*	56,600*	52,700*
36.0	78.0	80,700*	77,700*	74,500*	71,700*	68,800*	65,100*	61,800*	58,500*	54,500*	50,900*	47,200*
38.0	77.1	74,100*	71,200*	68,100*	65,300*	62,600*	59,000*	55,900*	52,700*	48,800*	45,300*	41,600*
40.0	76.1	68,100	65,200	62,200	59,500	56,900	53,400	50,400	47,300	43,600	40,100	36,600
45.0	73.8	55,800	53,100	50,200	47,800	45,300	42,000	39,300	36,400	32,800	29,700	26,300
50.0	71.4	45,600	42,900	40,200	37,900	35,500	32,500	29,800	27,100	23,700	20,800	17,700
55.0	69.0	37,200	34,600	32,100	29,900	27,500	24,700	22,100	19,500	16,200		
60.0	66.5	30,500	28,000	25,600	23,400	21,200	18,400					
65.0	63.9	25,100	22,700	20,200	18,200	16,000	13,400					
70.0	61.4	20,600	18,300	15,900	14,100							
75.0	58.7	16,700	14,600									
Reeves		4	4	4	3	3	3	3	3	3	3	3

Refer to notes on page 52 to 53.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

137' Boom												
Load Radius (ft)	Boom Angle (deg.)	Jib Length (ft)										
		75	85	95	105	115	125	135	145	155	165	175
34.0	79.7	85,500*	82,300*	79,000*	76,100*	73,300*	69,600*	66,300*	62,800*	58,700*	54,900*	51,200*
36.0	78.9	79,100*	76,000*	72,800*	70,000*	67,200*	63,700*	60,500*	57,100*	53,100*	49,600*	45,900*
38.0	78.0	72,700*	69,700*	66,600*	63,900*	61,200*	57,800*	54,600*	51,500*	47,600*	44,200*	40,600*
40.0	77.2	66,900	64,000	61,000	58,400	55,700	52,400	49,400	46,300	42,600	39,300	35,800
45.0	75.0	55,600	52,900	50,000	47,800	45,100	42,000	39,300	36,400	32,900	29,700	26,600
50.0	72.8	45,600	42,900	40,200	38,000	35,600	32,600	30,000	27,300	23,900	21,100	18,000
55.0	70.6	37,200	34,600	32,100	29,900	27,700	24,700	22,300	19,800	16,500		
60.0	68.3	30,400	28,000	25,600	23,400	21,300	18,600	16,200				
65.0	66.0	24,900	22,700	20,200	18,200	16,200	13,600	11,200				
70.0	63.7	20,500	18,300	15,900	14,100							
75.0	61.3	16,700	14,500									
Reeves		3	3	3	3	3	3	3	3	2	2	2
147' Boom												
Load Radius (ft)	Boom Angle (deg.)	Jib Length (ft)										
		75	85	95	105	115	125	135	145	155	165	175
36.0	79.7	77,500*	74,700*	71,400*	68,800*	66,000*	62,300*	59,300*	56,000*	52,100*	48,600*	44,900*
38.0	78.9	71,500*	68,800*	65,600*	63,000*	60,300*	56,800*	53,900*	50,700*	46,900*	43,500*	39,900*
40.0	78.1	66,000*	63,400*	60,300*	57,700*	55,100*	51,800*	48,900*	45,900*	42,200*	38,900*	35,400*
45.0	76.0	55,100*	52,500*	49,600*	47,300*	44,800*	41,500*	38,900*	36,200*	32,600*	29,700*	26,300*
50.0	74.0	45,400	42,900	40,200	38,000	35,700	32,700	30,200	27,500	24,100	21,400	18,400
55.0	72.0	37,100	34,800	32,100	30,000	27,800	25,000	22,600	20,000	16,900		
60.0	69.9	30,200	28,000	25,400	23,400	21,300	18,600	16,200				
65.0	67.8	24,900	22,700	20,200	18,200	16,200	13,600	11,400				
70.0	65.6	20,400	18,200	15,900	13,900							
75.0	63.4	16,500	14,400									
Reeves		3	3	3	3	3	3	3	2	2	2	2
157' Boom												
Load Radius (ft)	Boom Angle (deg.)	Jib Length (ft)										
		75	85	95	105	115	125	135	145	155	165	175
38.0	79.6	69,900*	67,000*	64,000*	61,400*	58,600*	55,300*	52,300*	49,200*	45,400*	42,200*	38,700*
40.0	78.8	64,900*	62,100*	59,200*	56,600*	54,000*	50,700*	47,800*	44,800*	41,100*	38,000*	34,500*
45.0	77.0	53,800*	51,100*	48,500*	46,000*	43,600*	40,600*	37,800*	35,100*	31,700*	28,600*	25,500*
50.0	75.1	44,800	42,300	39,800	37,500	35,200	32,300	29,700	27,100	23,900	21,100	18,200
55.0	73.2	36,900	34,600	32,100	30,000	27,800	25,000	22,600	20,100	17,000		
60.0	71.2	30,000	27,800	25,400	23,400	21,300	18,600	16,200				
65.0	69.3	24,600	22,400	20,000	18,200	16,200	13,600	11,400				
70.0	67.3	20,200	18,100	15,800	13,900							
75.0	65.2	16,300	14,300									
Reeves		3	3	3	3	3	2	2	2	2	2	2

Refer to notes on page 52 to 53.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

107' Boom																				
Load Radius (ft)	75 ft Jib						85 ft Jib						95 ft Jib						Load Radius (ft)	
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)							
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63		
40	79,000*																		40	
45	72,000*																		45	
50	65,000*						66,000*						66,000*						50	
55	59,000*						59,000*						59,000*						55	
60	52,200*	57,200					52,900*	56,700					53,100*						60	
65	45,400*	51,500					46,200*	51,400					46,500*						65	
70	39,900*	46,800*	44,200				40,700*	46,800					41,000*	46,400					70	
75	35,000*	42,700*	40,600				36,100*	42,800					36,500*	42,500					75	
80	29,700*	39,200*	37,400				32,100*	39,400	37,000				32,600*	39,100	36,300				80	
85		35,200*	34,700	32,100				36,400	34,200				29,300*	36,100	33,900				85	
90		31,000*	32,200	30,200				33,200*	31,800				26,400*	33,300*	31,500				90	
95			30,000	28,100				29,700*	29,700	27,900			23,800*	30,400*	29,400				95	
100			28,100	26,300	24,200			26,400*	27,700	26,100				27,300*	27,400	25,700			100	
105			26,300		23,100			20,700*	26,100	24,500	22,100			24,600*	25,700	24,100			105	
110				23,100	21,800				24,500	23,000	21,300			21,800*	24,200	22,700			110	
115					20,500	18,600			23,000	21,700	20,100				21,300	19,400			115	
120					19,400	17,900				20,500	19,000	17,100			21,400	20,100	18,700	15,700	120	
125						16,900					17,900	16,600				19,000	17,600	16,700	15,700	125
130												15,700				18,000	16,700	15,800	15,300	130
135												14,800					15,800	14,900	14,500	135
140																			14,000	140
145																			13,700	145
150																			13,100	150
155																			12,400	155
160																				160
165																				165
170																				170
175																				175
180																				180
185																				185
190																				190
195																				195
200																				200
205																				205
210																				210
215																				215
220																				220
Reeves	4						4						4						Reeves	

107' Boom																			
Load Radius (ft)	105 ft Jib						115 ft Jib						125 ft Jib						Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)						
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	
40	64,000*																		40
45																			45
50	59,000*						56,500*						51,700*						50
55	53,300*						53,000*						49,500*						55
60	46,700*						46,700*						46,000*						60
65	41,200*	46,100					41,400*						41,800*						65
70	36,800*	42,200					37,000*	41,900					37,200*	41,300					70
75	33,000*	38,900					33,200*	38,600					33,500*	38,200					75
80	29,700*	35,900	33,200				29,900*	35,700					30,200*	35,300					80
85	26,800*	33,100*	31,100				27,100*	32,900*					27,300*	32,400*					85
90	24,400*	30,600*	29,100				24,600*	30,400*	28,800				24,900*	29,900*	28,100				90
95	22,000*	27,900*	27,200				22,400*	28,200*	27,000				22,700*	27,700*	26,800				95
100		25,300*	25,500	23,500			20,500*	25,500*	25,200				20,700*	25,500*	25,200				100
105		22,900*	24,000	22,400			18,700*	23,300*	23,800	22,200			18,900*	23,300*	23,600				105
110		20,900*	22,500	21,100			16,900*	21,300*	22,300	20,900			17,100*	21,300*	22,200	20,200			110
115		18,500*	21,300	19,900	18,100			19,400*	21,100	19,700			15,600*	19,600*	21,000	19,400			115
120			20,100	18,900	17,400			17,800*	19,900	18,700	16,600		14,100*	17,800*	19,900	18,200			120
125			19,000	17,800	16,500			15,600*	18,900	17,700	16,200			16,500*	18,800	17,300			125
130				16,900	15,600	13,700			17,900	16,700	15,400			14,900*	17,800	16,400	14,900		130
135					14,700	13,500			16,300*	15,900	14,500	12,600		13,200*	16,900	15,500	14,200		135
140					14,100	12,800					13,800	12,500			15,900*	14,700	13,400		140
145					13,300	12,200					13,200	11,900			14,500*	14,100	12,700	11,400	145
150						11,500					12,500	11,200				13,400	12,200	10,800	150
155												10,600					11,500	10,200	155
160												10,100					11,000	9,700	160
165																		9,100	165
170																		8,700	170
175																			175
180																			180
185																			185
190																			190
195																			195
200																			200
205																			205
210																			210
215																			215
220																			220
Reeves	4						4						4						Reeves

Refer to notes on page 52 to 53.



LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

107' Boom																				
Load Radius (ft)	135 ft Jib						145 ft Jib						155 ft Jib						Load Radius (ft)	
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)							
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63		
40																			40	
45																			45	
50																			50	
55																			55	
60	46,000*						41,600*												60	
65	44,000*						40,000*												65	
70	41,800*						38,100*												70	
75	37,200*						36,800*							35,800*					75	
80	33,500*	37,600					34,600*							34,200*					80	
85	30,200*	35,000					30,800*							32,800*					85	
90	27,300*	32,200*					27,900*	32,000*						30,400*					90	
95	24,900*	29,700*					25,300*	29,500*						27,500*	31,100*				95	
100	22,700*	27,500*	26,000				23,100*	27,300*						25,100*	29,300*				100	
105	20,700*	25,500*	24,900				21,100*	25,300*						22,900*	26,800*				105	
110	18,900*	23,300*	23,300				19,400*	23,100*	23,100					20,900*	24,900*	23,500			110	
115	17,400*	21,300*	22,000				17,800*	21,300*	21,800					19,100*	22,900*	22,800			115	
120	15,800*	19,600*	20,800	18,800			16,500*	19,600*	20,600					17,600*	20,900*	21,300			120	
125	14,500*	18,000*	19,700	18,000			15,200*	18,000*	19,400					16,300*	19,400*	20,100			125	
130	13,200*	16,500*	18,600	17,000			13,800*	16,500*	18,400	16,700				14,900*	17,800*	19,000			130	
135	11,900*	15,200*	17,600	16,200			12,700*	15,200*	17,400	15,800				13,800*	16,300*	18,000			135	
140		14,100*	16,700	15,300	13,600		11,600*	14,100*	16,500	15,100				12,700*	15,200*	17,000	15,200		140	
145		12,700*	15,900	14,500	13,200			13,000*	15,700	14,300				10,800*	12,700*	15,400	13,900		145	
150			14,900*	13,800	12,500			11,900*	14,900	13,600	12,200			9,700*	11,900*	14,600	13,200		150	
155			13,600*	13,200	11,900	9,800		11,000*	13,900*	13,000	11,500			8,300*	11,000*	13,800	12,500	10,800	155	
160			12,300*	12,500	11,300	9,800		9,200*	12,700*	12,300	11,000	8,900		9,900*	12,700*	12,000	10,500		160	
165				12,000	10,600	9,300			11,600*	11,700	10,400	8,900	8,900		9,000*	11,600*	11,300	10,000	165	
170				11,300	10,100	8,900				11,200	9,900	8,500				10,800*	10,800	9,400	170	
175					9,700	8,300				10,600	9,300	8,100				9,900*	10,200	8,900	175	
180						7,900					8,900	7,700					9,800	8,400	7,100	180
185						7,400					8,400	7,200					9,200	8,000	6,800	185
190												6,800					8,800	7,600	6,300	190
195												6,500						7,100	6,000	195
200																			5,700	200
205																				205
210																				210
215																				215
220																				220
Reeves	3						3						3						Reeves	

107' Boom																			
Load Radius (ft)	165 ft Jib						175 ft Jib												Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)												
	88	83	78	73	68	63	88	83	78	73	68	63							
40																			40
45																			45
50																			50
55																			55
60																			60
65																			65
70	32,000*						28,800*												70
75	31,000*						27,500*												75
80	29,800*						26,700*												80
85	28,500*						26,700*												85
90	27,100*						25,500*												90
95	24,900*	29,100*					24,100*	28,200											95
100	22,700*	26,600*					22,400*	27,100											100
105	20,700*	24,600*					20,500*	25,500											105
110	19,100*	22,900*					18,900*	24,000*											110
115	17,600*	21,100*	21,000				17,400*	22,200*											115
120	16,200*	19,400*	19,900				15,800*	20,500*	19,100										120
125	14,700*	17,800*	18,800				14,700*	18,700*	18,500										125
130	13,600*	16,500*	17,700				13,400*	17,100*	17,500										130
135	12,500*	15,200*	16,800	14,500			12,500*	15,800*	16,500										135
140	11,600*	13,800*	15,900	14,400			11,200*	14,700*	15,600	13,400									140
145	10,500*	12,700*	15,100	13,600				13,400*	14,800	13,400									145
150	9,200*	11,900*	14,300	13,000				12,500*	14,100	12,600									150
155		11,000*	13,600	12,300				11,400*	13,400	12,100									155
160		10,100*	12,700*	11,600	9,800			10,500*	12,600	11,400	9,100								160
165		9,200*	11,600*	11,100	9,700			9,000*	11,600*	10,800	9,000								165
170			10,800*	10,500	9,100				10,800*	10,200	8,800								170
175			9,900*	10,000	8,500				9,900*	9,700	8,300								175
180			9,200*	9,400	8,100				9,000*	9,100	7,800								180
185			8,300*	9,000	7,700					8,700	7,300								185
190				8,500	7,200					8,200	7,000								190
195				8,100	6,900					7,800	6,600								195
200				7,700	6,500					7,300	6,200								200
205					6,100						5,800								205
210					5,800														210
215																			215
220																			220
Reeves	3						3												Reeves

Refer to notes on page 52 to 53.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

117' Boom																			
Load Radius (ft)	75 ft Jib						85 ft Jib						95 ft Jib						Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)						
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	
40	78,000*																		40
45	71,000*																		45
50	64,000*																		50
55	58,000*						64,500*						64,000*						55
60	52,600*	56,600					53,300*	56,200					58,300*						60
65	45,800*	51,100					46,500*	51,000					53,200*						65
70	40,100*	46,500					41,000*	46,400					46,900*	50,300					70
75	35,200*	42,500	40,000				36,300*	42,500					41,400*	46,000					75
80		39,200	36,800				32,400*	39,100	36,400				36,800*	42,100					80
85		36,200	34,100				28,800*	36,200	33,700				32,800*	38,800					85
90		31,900*	31,700				24,900*	33,600	31,300				29,500*	35,900	33,200				90
95			29,500	27,600				30,400*	29,200	26,600			23,800*	31,000	28,800				95
100			27,600	25,900				27,100*	27,300	25,400				28,100*	27,000	24,400			100
105			25,900	24,200				22,400*	25,600	23,900				25,300*	25,300	23,400			105
110				22,800					24,100	22,400				22,700*	23,800	22,100			110
115					21,000					21,100	19,200				22,300	20,800			115
120					19,800	17,100					18,200				21,100	19,600	18,500		120
125					18,700	16,200					17,300	15,300			19,900	18,600	16,900		125
130						15,300					16,400	14,900				17,500	16,000	13,900	130
135												14,100					15,200	13,700	135
140												13,400					14,400	13,000	140
145												12,600					13,600	12,200	145
150																		11,500	150
155																			155
160																			160
165																			165
170																			170
175																			175
180																			180
185																			185
190																			190
195																			195
200																			200
205																			205
210																			210
215																			215
220																			220
Reeves	4						4						4						Reeves

117' Boom																			
Load Radius (ft)	105 ft Jib						115 ft Jib						125 ft Jib						Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)						
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	
40																			40
45																			45
50																			50
55	58,000*						53,800*						48,300*						55
60	53,500*						50,900*						46,400*						60
65	47,100*						47,100*						45,000*						65
70	41,600*	45,400					41,600*						41,000*						70
75	37,000*	41,800					37,200*	41,500					37,400*						75
80	33,200*	38,500					33,200*	38,200					33,700*	37,500					80
85	29,900*	35,600	32,700				30,200*	35,300					30,400*	35,000					85
90	27,100*	33,000	30,600				27,300*	32,800					27,500*	32,500					90
95	24,400*	30,800	28,500				24,600*	30,600	28,300				24,900*	30,300					95
100	22,200*	28,600*	26,600				22,400*	28,500*	26,400				22,700*	28,100*					100
105	20,000*	25,700*	25,000	22,700			20,500*	26,200*	24,800				20,700*	26,000*	24,600				105
110		23,500*	23,500	21,800			18,700*	23,800*	23,200	20,900			18,900*	23,800*	23,200				110
115		21,300*	22,100	20,600			16,900*	21,800*	21,900	20,200			17,400*	21,800*	21,800	19,200			115
120		19,100*	20,900	19,400				19,800*	20,700	19,100			15,800*	20,000*	20,600	18,700			120
125		15,800*	19,800	18,400	16,000			18,000*	19,600	18,000			14,300*	18,200*	19,500	17,700			125
130			18,700	17,400	15,700			16,500*	18,500	17,100				16,700*	18,500	16,700			130
135			17,700	16,500	14,900				17,600	16,300	14,700			15,400*	17,500	15,800	13,600		135
140				15,600	14,200	12,600			16,700	15,400	13,900			13,800*	16,600	15,100	13,500		140
145				14,800	13,400	12,000					14,600	11,000				14,300	12,800		145
150					12,700	11,300					12,500	11,000				13,600	12,100		150
155						10,600					12,000	10,400				13,000	11,500	9,900	155
160						10,100					11,300	9,900				12,300	10,900	9,300	160
165						9,500					10,800	9,300					10,300	8,900	165
170												8,800						8,300	170
175																		7,900	175
180																		7,400	180
185																			185
190																			190
195																			195
200																			200
205																			205
210																			210
215																			215
220																			220
Reeves	4						4						4						Reeves

Refer to notes on page 52 to 53.



LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

117' Boom																			
Load Radius (ft)	135 ft Jib						145 ft Jib						155 ft Jib						Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)						
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	
40																			40
45																			45
50																			50
55																			55
60	43,500*						39,400*												60
65	42,000*						38,000*												65
70	40,200*						36,300*												70
75	37,400*						35,000*												75
80	33,500*	37,200					33,000*												80
85	30,400*	34,700					30,800*	34,100											85
90	27,500*	32,100					27,900*	31,900											90
95	24,900*	29,900					25,500*	29,700											95
100	22,700*	27,800*	25,400				23,300*	27,600*											100
105	20,700*	25,700*	24,400				21,300*	25,500*	23,400										105
110	18,900*	23,800*	22,900				19,600*	23,500*	22,700										110
115	17,400*	21,800*	21,600				18,000*	21,800*	21,300										115
120	15,800*	20,000*	20,300	17,800			16,500*	20,000*	20,100										120
125	14,500*	18,200*	19,200	17,400			15,200*	18,200*	19,000	16,500									125
130	13,400*	16,900*	18,100	16,500			13,800*	16,900*	17,900	16,200									130
135	12,100*	15,600*	17,300	15,600			12,700*	15,600*	17,000	15,400									135
140		14,300*	16,400	14,800	12,500		11,600*	14,300*	16,200	14,500									140
145		13,000*	15,600	14,100	12,500		10,500*	13,200*	15,300	13,700	11,400								145
150		11,900*	14,800	13,300	11,900			12,100*	14,600	13,100	11,400								150
155			14,100	12,600	11,200			11,000*	13,800	12,400	10,900								155
160			13,000*	12,100	10,500	8,300		9,900*	13,200	11,900	10,300								160
165			11,600*	11,500	10,000	8,300			12,100*	11,300	9,800	7,400							165
170				11,000	9,500	8,000			11,000*	10,800	9,200	7,400							170
175					9,000	7,600				10,200	8,700	7,300							175
180					8,500	7,200				9,700	8,200	6,900							180
185						6,800				9,100	7,800	6,500							185
190											7,300	6,100							190
195												5,800							195
200												5,400							200
205																			205
210																			210
215																			215
220																			220
Reeves	3						3						3						Reeves

117' Boom																			
Load Radius (ft)	165 ft Jib						175 ft Jib												Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)												
	88	83	78	73	68	63	88	83	78	73	68	63							
40																			40
45																			45
50																			50
55																			55
60																			60
65																			65
70	30,800*						27,600*												70
75	29,500*						26,500*												75
80	28,300*						25,300*												80
85	27,500*						24,200*												85
90	26,300*						23,600*	27,300											90
95	25,100*	29,000					22,700*	26,100											95
100	22,900*	27,100					20,700*	25,400											100
105	20,900*	24,900*					18,900*	23,900											105
110	19,100*	23,100*					17,400*	22,400											110
115	17,600*	21,600*	19,900				16,000*	20,900*	18,500										115
120	16,300*	19,800*	19,500				14,700*	19,100*	18,000										120
125	14,900*	18,000*	18,400				13,600*	17,600*	17,000										125
130	13,600*	16,700*	17,400				12,500*	16,300*	16,200										130
135	12,500*	15,400*	16,400				11,000*	14,900*	15,300										135
140	11,600*	14,100*	15,500	13,400				13,800*	14,500										140
145	10,800*	13,000*	14,700	13,200				12,700*	13,700	12,100									145
150	8,800*	12,100*	13,900	12,400				11,600*	13,100	11,400									150
155		11,000*	13,300	11,700				10,800*	12,400	10,900									155
160		10,100*	12,600	11,100	8,800				11,700	10,200	7,800								160
165		9,200*	12,100	10,500	8,700				11,100*	9,700	7,800								165
170		8,500*	11,200*	10,000	8,400				10,100*	9,100	7,700								170
175			10,300*	9,400	7,900				9,400*	8,700	7,100								175
180			9,400*	9,000	7,400					8,200	6,800								180
185			8,500*	8,400	7,000					7,800	6,300								185
190				8,000	6,700					7,300	6,000								190
195				7,700	6,200					6,900	5,600								195
200				7,200	5,900					6,600	5,200								200
205					5,600						4,900								205
210					5,200														210
215																			215
220																			220
Reeves	3						3												Reeves

Refer to notes on page 52 to 53.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

127' Boom																			
Load Radius (ft)	75 ft Jib						85 ft Jib						95 ft Jib						Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)						
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	
40	78,000*																		40
45	71,000*																		45
50	64,000*																		50
55	59,000*						64,000*						61,600*						55
60	53,100*	56,100					58,000*						58,000*						60
65	46,000*	50,900					53,700*	55,600					54,000*						65
70	40,300*	46,200					46,900*	50,400					47,100*	49,800					70
75	35,400*	42,400	38,900				41,200*	45,900					41,600*	45,500					75
80		39,000	36,100				36,500*	42,100					37,000*	41,600					80
85		36,100	33,300				32,600*	38,600	35,300				33,000*	38,300					85
90		33,600	31,000	28,100			29,100*	35,800	32,900				29,700*	35,400	32,200				90
95		29,100*	28,900	26,700			33,200	30,600	30,600				26,600*	32,900	30,200				95
100			27,100	25,000			31,000	28,500	25,700	25,700			24,000*	30,700	28,200				100
105			25,300	23,400	20,800		27,900*	26,700	24,500	24,500				28,700	26,300				105
110				22,000	20,000		24,000*	25,100	23,100	23,100				25,900*	24,600				110
115				20,700	18,800			23,500	21,700	21,700				23,300*	23,200	21,200			115
120				19,500	17,800			22,100	20,500	20,500	17,900			20,000*	21,900	20,000			120
125					16,800	14,500			19,200	17,400	17,400				20,600	18,900	16,500		125
130					15,800	14,300			18,100	16,400	16,400				19,500	17,800	16,000		130
135						13,500				15,500	15,500	13,100				16,900	15,200		135
140						12,600				14,700	14,700	13,000				16,000	14,400		140
145										13,900	13,900	12,300					13,600	11,500	145
150												11,600					12,800	11,100	150
155												10,900					12,200	10,500	155
160																	9,900		160
165																			165
170																			170
175																			175
180																			180
185																			185
190																			190
195																			195
200																			200
205																			205
210																			210
215																			215
220																			220
Reeves	4						4						4						Reeves

127' Boom																			
Load Radius (ft)	105 ft Jib						115 ft Jib						125 ft Jib						Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)						
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	
40																			40
45																			45
50																			50
55	55,200*						50,000*						46,000*						55
60	52,000*						48,000*						44,000*						60
65	47,300*						46,700*						42,000*						65
70	41,800*						42,100*						40,500*						70
75	37,200*	41,400					37,400*	40,700					37,900*						75
80	33,500*	38,100					33,500*	37,800					33,900*	37,400					80
85	29,900*	35,200					30,200*	34,900					30,600*	34,600					85
90	27,100*	32,700					27,300*	32,500					27,500*	32,000					90
95	24,600*	30,500	28,200				24,900*	30,300	27,300				25,100*	29,800					95
100	22,200*	28,500	26,300				22,700*	28,300	26,100				22,900*	27,900	25,300				100
105	20,200*	26,500*	24,800	21,800			20,700*	26,500	24,400				20,900*	26,100*	24,100				105
110		24,000*	23,200	21,000			18,700*	24,300*	23,000				18,900*	24,300*	22,700				110
115		21,800*	21,900	19,800			17,100*	22,200*	21,700	19,500			17,400*	22,200*	21,300				115
120		19,600*	20,700	18,700				20,200*	20,500	18,400			15,800*	20,200*	20,100	17,400			120
125			19,600	17,600	15,200			18,500*	19,400	17,400			14,300*	18,700*	19,000	17,000			125
130			18,500	16,700	14,900			16,700*	18,400	16,500				17,100*	17,900	16,000			130
135			17,500	15,800	14,100				17,400	15,600	13,800			15,600*	17,000	15,200			135
140				14,900	13,400				16,500	14,800	13,100			14,300*	16,200	14,400	12,200		140
145				12,600	12,600					14,100	12,400				15,400	13,700	11,900		145
150				12,000	10,200					13,300	11,700				14,600	13,000	11,200		150
155				11,300	9,700					12,600	11,100				13,800*	12,400	10,600		155
160				10,600	9,100						10,500					11,700	10,000	8,100	160
165					8,500												9,500	7,900	165
170																	9,000	7,400	170
175																	8,400	7,000	175
180																		6,600	180
185																			185
190																			190
195																			195
200																			200
205																			205
210																			210
215																			215
220																			220
Reeves	3						3						3						Reeves

Refer to notes on page 52 to 53.



LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

127' Boom																			
Load Radius (ft)	135 ft Jib						145 ft Jib						155 ft Jib						Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)						
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	
40																			40
45																			45
50																			50
55																			55
60	41,000*						37,500*												60
65	39,500*						36,000*												65
70	38,000*						34,700*						32,500*						70
75	36,700*						33,000*						31,000*						75
80	35,000*	36,800					32,000*						30,000*						80
85	31,300*	34,200					30,700*	33,500					28,800*						85
90	28,200*	31,800					28,200*	31,500					27,200*	30,800					90
95	25,700*	29,600					25,500*	29,400					25,300*	28,900					95
100	23,300*	27,600					23,300*	27,400					23,100*	27,000					100
105	21,300*	25,900					21,300*	25,600	22,800				21,100*	25,200*					105
110	19,600*	24,100*	22,300				19,600*	23,900*	22,100				19,400*	23,300*					110
115	18,000*	22,200*	21,000				18,000*	22,100*	20,800				17,800*	21,800*	20,100				115
120	16,500*	20,500*	19,800				16,500*	20,200*	19,600				16,300*	20,000*	19,100				120
125	15,200*	18,700*	18,700	16,000			15,200*	18,700*	18,500				14,900*	18,500*	18,100				125
130	13,800*	17,100*	17,700	15,800			14,100*	17,100*	17,500				13,800*	16,900*	17,100				130
135	12,500*	15,800*	16,800	14,900			12,700*	15,800*	16,600	14,600			12,700*	15,600*	16,200	13,500			135
140		14,500*	15,900	14,200			11,600*	14,500*	15,700	13,800			11,600*	14,500*	15,400	13,500			140
145		13,200*	15,200	13,400	10,800		10,800*	13,400*	14,900	13,200			10,800*	13,200*	14,500	12,700			145
150			14,400	12,700	10,800			12,300*	14,200	12,500	9,800		9,900*	12,300*	13,800	12,100			150
155			13,700	12,100	10,300			11,200*	13,500	11,900	9,800		8,800*	11,200*	13,200	11,400			155
160			13,100	11,500	9,800			10,300*	12,800	11,200	9,400			10,300*	12,500	10,800	8,400		160
165			12,200*	10,900	9,200	7,000			12,200	10,600	8,900			9,400*	11,900	10,200	8,300		165
170				10,300	8,700	6,800			11,500*	10,100	8,400				11,300	9,700	7,900		170
175				9,800	8,200	6,700			10,300*	9,500	7,900	6,000			10,600*	9,100	7,400		175
180					7,800	6,200				7,400	5,900					8,700	7,000		180
185					7,300	5,900				7,100	5,600					8,200	6,700		185
190						5,600				6,700	5,200					7,800	6,200		190
195						5,100				6,200	4,900					7,300	5,900		195
200											4,600						5,500		200
205																			205
210																			210
215																			215
220																			220
Reeves	3						3						3						Reeves

127' Boom																			
Load Radius (ft)	165 ft Jib						175 ft Jib												Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)												
	88	83	78	73	68	63	88	83	78	73	68	63							
40																			40
45																			45
50																			50
55																			55
60																			60
65																			65
70	29,700*						26,500*												70
75	28,500*						25,300*												75
80	27,200*						24,500*												80
85	26,200*						23,500*												85
90	25,200*						23,500*												90
95	24,300*	28,600					22,500*												95
100	22,900*	26,700					21,800*	26,000											100
105	20,900*	25,000					20,700*	24,800											105
110	19,100*	23,200*					18,900*	23,500											110
115	17,600*	21,600*					17,400*	22,100											115
120	16,300*	20,000*	18,500				16,000*	20,900	17,800										120
125	14,900*	18,500*	17,800				14,700*	19,500*	17,600										125
130	13,800*	16,900*	16,800				13,600*	17,800*	16,600										130
135	12,700*	15,600*	15,900				12,500*	16,500*	15,600										135
140	11,600*	14,500*	15,100	12,300			10,800*	15,200*	14,800										140
145	10,800*	13,200*	14,300	12,300				14,100*	14,100	11,200									145
150	8,500*	12,300*	13,600	11,700				13,000*	13,300	11,200									150
155		11,200*	12,800	11,100				11,900*	12,600	10,800									155
160		10,300*	12,300	10,400				11,000*	12,000	10,100									160
165			11,600	9,900					11,400	9,500									165
170			11,100	9,300					10,900	9,000									170
175			10,500	8,900	7,100				10,300	8,500									175
180			9,700*	8,300	6,700				9,800	8,000									180
185			9,000*	7,900	6,300				9,000*	7,600									185
190				7,400	5,900					7,200									190
195				7,000	5,600					6,800									195
200				6,700	5,200					6,300									200
205					4,900					6,000									205
210																			210
215																			215
220																			220
Reeves	3						3												Reeves

Refer to notes on page 52 to 53.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

137' Boom																			
Load Radius (ft)	75 ft Jib						85 ft Jib						95 ft Jib						Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)						
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	
40	72,000*																		40
45	69,200*																		45
50	63,600*						62,000*						56,800*						50
55	58,000*						58,200*						54,400*						55
60	53,000*	55,500					53,000*						52,500*						60
65	46,500*	50,400					47,300*						47,600*						65
70	40,700*	45,800					41,600*	45,500					41,800*	45,000					70
75	35,700*	41,900					36,800*	41,600					37,200*	41,200					75
80	31,500*	38,600	35,300				32,600*	38,300	34,700				33,200*	38,000					80
85		35,800	32,800				29,100*	35,400	32,400				29,700*	35,100	31,600				85
90		33,200	30,400					32,900	30,000				26,800*	32,600	29,600				90
95		30,600	28,400	25,400				30,700	27,900				24,000*	30,400	27,600				95
100			26,500	24,200				28,700	26,200	23,200				28,400	25,700				100
105			24,900	22,800				25,500*	24,500	22,300				26,500	24,200	21,300			105
110			23,300	21,300					23,100	21,000				23,800*	22,700	20,600			110
115				20,100	18,000				21,700	19,800				21,300*	21,300	19,400			115
120				18,900	17,000					18,700	16,600				20,100	18,200			120
125					16,000	13,500				17,600	15,700				19,000	17,300	14,600		125
130					15,200	13,300				16,600	14,800				17,900	16,400	14,400		130
135						12,500					14,100					15,500	13,600		135
140						11,700					13,300		11,400				12,800	10,200	140
145						11,100							10,600				12,200	10,200	145
150													10,100				11,400	9,700	150
155																		9,100	155
160																		8,500	160
165																			165
170																			170
175																			175
180																			180
185																			185
190																			190
195																			195
200																			200
205																			205
210																			210
215																			215
220																			220
Reeves	3						3						3						Reeves

137' Boom																			
Load Radius (ft)	105 ft Jib						115 ft Jib						125 ft Jib						Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)						
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	
40																			40
45																			45
50																			50
55	51,000*						47,000*						42,000*						55
60	49,000*						45,000*						40,500*						60
65	47,200*						43,200*						39,000*						65
70	42,100*						41,000*						37,200*						70
75	37,400*	41,000					37,600*	40,300					37,200*						75
80	33,500*	37,600					33,700*	37,400					34,100*	36,700					80
85	30,200*	34,800					30,400*	34,600					30,600*	34,200					85
90	27,300*	32,400					27,500*	32,100					27,700*	31,700					90
95	24,600*	30,200	27,200				24,900*	29,900					25,100*	29,500					95
100	22,400*	28,200	25,900				22,700*	27,900	25,000				22,900*	27,600	24,400				100
105	20,200*	26,400	24,200				20,700*	26,200	24,000				20,900*	25,900	23,500				105
110		24,400*	22,800				18,900*	24,600	22,500				19,100*	24,300	22,100				110
115		22,200*	21,400	19,100			17,100*	22,700*	21,200				17,400*	22,700	20,800				115
120		20,200*	20,200	18,000				20,700*	20,000	17,200			15,800*	20,700*	19,700	16,700			120
125			19,100	17,000				18,900*	18,900	16,800				18,900*	18,600	16,400			125
130			18,100	16,200				17,100*	17,900	15,800				17,400*	17,600	15,500			130
135			17,100	15,300	13,000			15,400*	16,900	15,100				15,800*	16,600	14,600			135
140				14,500	12,500				16,200	14,300	12,000			14,500*	15,800	13,800			140
145				13,700	11,900	9,200			16,200	13,500	11,500				14,900	13,200			145
150				13,000	11,200	8,200			15,300	12,800	11,000				14,300	12,500	10,400		150
155					10,600	8,800				12,200	10,300	7,800			13,500	11,900	9,900		155
160						8,200					9,800	7,800				11,200	9,300	6,700	160
165						7,800					9,200	7,400				10,600	8,800	6,600	165
170											8,800	7,000				10,100	8,300	6,100	170
175												6,700					7,900	5,800	175
180												6,200						5,500	180
185																			185
190																			190
195																			195
200																			200
205																			205
210																			210
215																			215
220																			220
Reeves	3						3						3						Reeves

Refer to notes on page 52 to 53.



LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

137' Boom																			
Load Radius (ft)	135 ft Jib						145 ft Jib						155 ft Jib						Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)						
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	
40																			40
45																			45
50																			50
55																			55
60	38,800*						35,500*												60
65	37,000*						34,000*												65
70	35,800*						32,600*												70
75	34,300*						31,500*						30,600*						75
80	33,000*						30,000*						29,200*						80
85	31,300*						29,000*	33,200					28,000*						85
90	28,400*	31,500					27,800*	31,100					27,200*						90
95	25,700*	29,300					25,700*	28,900					25,000*	28,600					95
100	23,500*	27,300					23,500*	27,100					23,300*	26,700					100
105	21,600*	25,600	22,500				21,600*	25,300					21,300*	25,000					105
110	19,800*	24,000	21,800				19,600*	23,800					19,400*	23,400					110
115	18,000*	22,400*	20,600				18,000*	22,100*	20,000				17,800*	21,800*	19,100				115
120	16,500*	20,800*	19,400				16,500*	20,700*	19,100				16,500*	20,200*	18,700				120
125	15,200*	19,100*	18,200	15,400			15,200*	18,900*	18,000				15,200*	18,900*	17,700				125
130	13,800*	17,600*	17,300	15,200			14,100*	17,600*	17,000				13,800*	17,400*	16,700				130
135	12,700*	16,000*	16,400	14,400			13,000*	16,000*	16,200	13,700			12,700*	16,000*	15,800				135
140		14,700*	15,500	13,600			11,900*	14,700*	15,300	13,300			11,600*	14,700*	14,900	12,700			140
145		13,600*	14,700	12,800	9,900		10,800*	13,600*	14,500	12,600			10,800*	13,600*	14,200	12,100			145
150		12,300*	14,100	12,200	9,900			12,500*	13,800	11,900			9,900*	12,500*	13,400	11,400			150
155		11,000*	13,400	11,500	9,500			11,400*	13,200	11,200	8,300		9,000*	11,400*	12,700	10,800			155
160			12,700	11,000	9,000			10,500*	12,500	10,600	8,300			10,500*	12,200	10,200			160
165				10,300	8,400				11,900	10,100	8,100			9,700*	11,500	9,700			165
170				9,900	8,000				11,300	9,500	7,700			8,800*	11,000	9,100			170
175				9,300	7,600				10,600*	9,000	7,200			7,400*	10,400	8,500			175
180					7,100					8,500	6,800				10,000	8,100			180
185					6,700					8,100	6,500					7,700			185
190					6,300					7,700	6,000					7,200			190
195											5,700					6,900			195
200																			200
205																			205
210																			210
215																			215
220																			220
Reeves	3						3						3						Reeves

137' Boom																			
Load Radius (ft)	165 ft Jib						175 ft Jib												Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)												
	88	83	78	73	68	63	88	83	78	73	68	63							
40																			40
45																			45
50																			50
55																			55
60																			60
65																			65
70	28,000*						25,400*												70
75	27,000*						24,500*												75
80	26,000*						23,500*												80
85	25,000*						22,600*												85
90	24,000*						21,800*												90
95	23,000*	27,200					21,000*	25,500											95
100	22,000*	26,000					20,000*	23,800											100
105	21,100*	24,600					18,900*	22,800											105
110	19,400*	23,100					17,600*	21,900											110
115	17,800*	21,600*					16,000*	20,600											115
120	16,300*	20,000*	18,000				14,700*	19,500											120
125	14,900*	18,700*	17,400				13,600*	18,100*	16,000										125
130	13,800*	17,400*	16,400				12,700*	16,700*	15,300										130
135	12,700*	15,800*	15,500				10,800*	16,700*	15,300										135
140	11,600*	14,700*	14,700					15,400*	14,400										140
145	10,800*	13,400*	13,900					14,300*	13,600										145
150	8,300*	12,500*	13,200	11,100				13,200*	13,000										150
155		11,400*	12,500	10,400				12,100*	12,300	9,700									155
160		10,500*	11,900	9,900				11,200*	11,600	9,500									160
165		9,700*	11,300	9,300					11,100	9,000									165
170		8,800*	10,800	8,800					10,400	8,400									170
175			10,200	8,300					9,900	8,000									175
180			9,700	7,800					9,400	7,600									180
185			9,200	7,300					8,900	7,100									185
190			8,400*	7,000						6,700									190
195				6,600						6,200									195
200				6,200						5,900									200
205				5,800						5,600									205
210										5,200									210
215																			215
220																			220
Reeves	2						2												Reeves

Refer to notes on page 52 to 53.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

147' Boom																				
Load Radius (ft)	75 ft Jib						85 ft Jib						95 ft Jib						Load Radius (ft)	
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)							
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63		
40	66,200*																		40	
45	63,800*																		45	
50	60,800*																		50	
55	58,600*						57,000*						52,400*						55	
60	54,000*	55,000					55,000*						50,500*						60	
65	46,900*	49,900					52,500*						48,500*						65	
70	41,000*	45,400					47,600*						47,000*						70	
75	36,100*	41,600					41,800*	45,000					42,300*	44,600					75	
80		38,300					37,000*	41,200					37,400*	40,700					80	
85		35,400	34,300				32,800*	37,900					33,500*	37,500					85	
90		32,900	32,100				29,300*	35,100					29,900*	34,700					90	
95		30,600	29,800					32,600					26,800*	32,200	28,600				95	
100			27,800					30,400					24,200*	30,000	27,300				100	
105			26,000	23,200				28,400						28,100	25,500				105	
110			24,300	22,000										26,300	24,000				110	
115			22,900	20,700						20,300				24,400*	22,400	19,900			115	
120				19,500						19,100				21,800*	21,200	18,700			120	
125				18,400	16,000					18,000	15,200				20,000	17,700			125	
130				17,300	15,300					17,000	14,800				18,900	16,700	13,600		130	
135					14,500	11,500				16,000	14,100				17,800	15,700	13,500		135	
140					13,600	11,500					13,200					14,900	12,700		140	
145						10,900					12,500					14,200	12,000		145	
150											11,700					13,400	11,300	8,500	150	
155												9,700					10,800	8,100	155	
160												9,100					10,100	7,700	160	
165												8,500							165	
170																			170	
175																			175	
180																			180	
185																			185	
190																			190	
195																			195	
200																			200	
205																			205	
210																			210	
215																			215	
220																			220	
Reeves	3						3						3						Reeves	

147' Boom																				
Load Radius (ft)	105 ft Jib						115 ft Jib						125 ft Jib						Load Radius (ft)	
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)							
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63		
40																			40	
45																			45	
50																			50	
55	47,700*						44,000*												55	
60	45,800*						42,100*						39,300*						60	
65	44,000*						40,500*						38,000*						65	
70	41,500*						39,000*						36,500*						70	
75	37,600*	40,500					37,000*						35,000*						75	
80	33,700*	37,300					34,000*	37,000					33,500*	36,200					80	
85	30,400*	34,500					31,000*	34,200					31,700*	33,800					85	
90	27,300*	32,000					27,500*	31,700					28,600*	31,400					90	
95	24,900*	29,800	26,700				25,200*	29,600					26,000*	29,200					95	
100	22,400*	27,800	25,200				23,000*	27,600	24,500				23,500*	27,300					100	
105		26,100	23,600				21,100*	25,900	23,400				21,600*	25,500					105	
110		24,500	22,200				19,100*	24,300	22,000				19,800*	24,000	21,600				110	
115		22,700*	21,000	17,800			17,300*	22,900	20,700				18,000*	22,500	20,300				115	
120		20,700*	19,800	17,400				21,100*	19,600	16,500			16,500*	21,200*	19,100				120	
125			18,700	16,400				19,100*	18,500	16,200			14,900*	19,400*	18,100				125	
130			17,700	15,500				17,600*	17,500	15,300				17,800*	17,100	14,600			130	
135			16,700	14,700	12,000			15,800*	16,600	14,500				16,300*	16,300	14,100			135	
140				13,900	11,700				15,700	13,700	10,600			14,700*	15,400	13,300			140	
145				13,200	11,100				14,900	13,000	10,600				14,600	12,500	9,400		145	
150				12,500	10,400				14,200	12,300	10,100				13,800	11,900	9,400		150	
155					9,900	7,600				11,600	9,500				13,200	11,200	9,100		155	
160						7,300					9,000	6,300				10,600	8,500		160	
165						6,900					8,500	6,300				10,100	8,000		165	
170						6,500					8,000	6,200				9,500	7,600		170	
175						6,100					7,600	5,800					7,100		175	
180												5,500					6,800		180	
185																	6,300		185	
190																			190	
195																			195	
200																			200	
205																			205	
210																			210	
215																			215	
220																			220	
Reeves	3						3						3						Reeves	

Refer to notes on page 52 to 53.



LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

147' Boom																			
Load Radius (ft)	135 ft Jib						145 ft Jib						155 ft Jib						Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)						
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	
40																			40
45																			45
50																			50
55																			55
60	36,200*						33,600*												60
65	34,800*						32,000*												65
70	33,500*						31,000*												70
75	32,200*						29,800*						29,200*						75
80	31,000*						28,500*						28,000*						80
85	30,000*						27,500*						26,800*						85
90	28,000*	31,000					26,300*	30,800					25,800*						90
95	26,000*	28,900					25,400*	28,600					24,800*						95
100	23,500*	27,000					23,500*	26,700					24,000*	28,200					100
105	21,600*	25,300	22,000				21,600*	25,000					23,000*	26,400					105
110	19,800*	23,800	21,300				19,800*	23,400					21,300*	24,600					110
115	18,000*	22,300	20,000				18,000*	21,900*	19,500				19,600*	23,100					115
120	16,700*	20,800*	18,900				16,700*	20,500*	18,600				16,500*	20,200*	17,700				120
125	15,200*	19,400*	17,800				15,400*	19,400*	17,600				15,200*	18,900*	17,100				125
130	13,800*	17,800*	16,800				14,100*	17,800*	16,600				13,800*	17,600*	16,300				130
135	12,700*	16,300*	15,900	13,300			13,000*	16,500*	15,700				12,900*	16,300*	15,400				135
140		14,900*	15,200	13,000			11,900*	15,200*	14,900	12,000			11,900*	14,900*	14,500				140
145		13,800*	14,400	12,200				13,800*	14,200	11,900			10,800*	13,800*	13,700	11,200			145
150		12,500*	13,600	11,500	8,400			12,700*	13,400	11,200			9,900*	12,700*	13,100	10,800			150
155		11,400*	13,000	11,000	8,400			11,600*	12,700	10,600			9,000*	11,600*	12,400	10,100			155
160			12,400	10,300	8,200			10,800*	12,200	10,000	7,300			10,800*	11,700	9,500			160
165			11,700	9,800	7,800				11,500	9,400	7,300			9,900*	11,200	9,000			165
170			11,200	9,200	7,200				11,000	9,000	6,900			9,000*	10,600	8,500			170
175				8,800	6,900				10,400	8,400	6,600				10,000	8,000			175
180				8,300	6,500					8,000	6,100				9,400	7,600			180
185					6,000					7,600	5,800				8,800	7,100			185
190					5,700						5,400					6,800			190
195											5,000					6,300			195
200											4,700					6,000			200
205																			205
210																			210
215																			215
220																			220
Reeves	3						2						2						Reeves

147' Boom																			
Load Radius (ft)	165 ft Jib						175 ft Jib												Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)												
	88	83	78	73	68	63	88	83	78	73	68	63							
40																			40
45																			45
50																			50
55																			55
60																			60
65																			65
70	26,800*						24,000*												70
75	25,600*						23,000*												75
80	24,700*						22,200*												80
85	23,800*						21,500*												85
90	23,000*						20,500*												90
95	22,000*	26,000					19,800*	23,500											95
100	21,000*	24,800					19,000*	22,500											100
105	20,400*	24,000					18,200*	21,800											105
110	19,400*	23,000					17,600*	21,000											110
115	17,800*	21,900					16,300*	20,000											115
120	16,300*	20,600	17,000				16,300*	20,000											120
125	14,900*	19,400	16,800				14,900*	19,100											125
130	13,800*	18,400	15,800				13,600*	18,100	15,000										130
135	12,700*	17,300*	15,100				12,600*	16,900*	14,500										135
140	11,600*	15,900*	14,100					15,800*	13,600										140
145	10,800*	14,700*	13,400	10,100				14,500*	13,000*										145
150	8,100*	13,600*	12,700	10,100				13,400*	12,100*										150
155		12,500*	12,100	9,800				12,300*	11,400*	9,100									155
160		11,400*	11,400	9,200				11,400*	11,000*	8,900									160
165		10,500*	10,800	8,700				10,500*	10,300*	8,300									165
170		9,700*	10,100	8,200					9,700*	7,900									170
175			9,500*	7,700					9,200*	7,400									175
180			9,000*	7,200					8,800*	7,000									180
185			8,500*	6,900					8,300*	6,600									185
190			8,100*	6,500					7,700*	6,100									190
195			6,500*	6,100						5,800									195
200				5,700						5,500									200
205				5,400						5,000									205
210																			210
215																			215
220																			220
Reeves	2						2												Reeves

Refer to notes on page 52 to 53.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

157' Boom																				
Load Radius (ft)	75 ft Jib						85 ft Jib						95 ft Jib						Load Radius (ft)	
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)							
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63		
40	60,700*																		40	
45	59,000*																		45	
50	56,300*						52,500*						48,500*						50	
55	54,200*						50,700*						46,600*						55	
60	52,000*	54,300					48,500*						44,800*						60	
65	47,300*	49,300					46,700*						43,000*						65	
70	41,400*	44,800					42,100*	44,500					41,000*						70	
75	36,300*	41,100					37,200*	40,700					37,600*	40,300					75	
80		37,900	33,500				33,000*	37,400					33,700*	37,100					80	
85		35,000	31,300					34,700	30,400				30,200*	34,200					85	
90		32,500	29,100					32,100	28,600				27,100*	31,800					90	
95		30,300	27,100					30,000	26,600				24,400*	29,600	26,000				95	
100			25,300	21,900				28,100	25,000					27,700	24,900				100	
105			23,800	21,100				26,300	23,300	20,000				26,000	23,300				105	
110			22,200	19,900				22,900	22,000	19,500				24,400	21,900				110	
115				18,700					20,700	18,200				22,400*	20,600	17,600			115	
120				17,600	14,400				19,500	17,300					19,500	16,800			120	
125				16,600	14,200				18,400	16,300	13,000				18,400	15,900			125	
130					13,400					15,400	12,800				17,200	15,100			130	
135					12,600					14,500	12,200					14,200	11,300		135	
140						9,200					11,400					13,500	11,000		140	
145						9,000					10,800					12,700	10,300		145	
150						8,400					10,100	8,000					9,800	6,600	150	
155												7,400					9,200	6,600	155	
160												7,000						6,100	160	
165																			165	
170																			170	
175																			175	
180																			180	
185																			185	
190																			190	
195																			195	
200																			200	
205																			205	
210																			210	
215																			215	
220																			220	
Reeves	3						3						3						Reeves	

157' Boom																				
Load Radius (ft)	105 ft Jib						115 ft Jib						125 ft Jib						Load Radius (ft)	
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)							
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63		
40																			40	
45																			45	
50																			50	
55	44,000*						40,500*						36,800*						55	
60	42,000*						39,000*						35,300*						60	
65	40,700*						37,500*						34,000*						65	
70	39,000*						36,000*						32,700*						70	
75	37,000*	40,000					34,500*						32,700*						75	
80	33,900*	36,800					33,000*	36,000					31,500*	35,700					80	
85	30,600*	34,000					31,900*	33,700					30,200*	33,300					85	
90	27,500*	31,600					28,800*	31,300					28,500*	30,900					90	
95	24,900*	29,400					26,200*	29,200					26,200*	28,700					95	
100	22,400*	27,500	24,000				23,800*	27,300	23,500				23,800*	26,800					100	
105	20,500*	25,700	23,000				21,600*	25,500	22,800				21,600*	25,200	21,600				105	
110		24,200	21,700				19,600*	24,000	21,300				19,800*	23,600	21,000				110	
115		22,800	20,300				17,800*	22,500	20,100				18,000*	22,200	19,700				115	
120		21,100*	19,200	16,100				21,300	19,000				16,500*	20,800*	18,600				120	
125		18,900*	18,100	15,600				19,700*	17,900					19,600*	17,600				125	
130		16,300*	17,100	14,800				17,800*	16,900	14,400				18,000*	16,600	13,900			130	
135			16,300	13,900				16,300*	16,000	13,700				16,500*	15,700	13,200			135	
140			15,400	13,200	10,100				15,300	13,000				15,200*	14,900	12,400			140	
145				12,500	10,000				14,500	12,200					14,200	11,700			145	
150				11,900	9,400				13,700	11,500	9,100				13,400	11,100			150	
155				11,200	8,900					11,000	8,500				12,700	10,500	7,800		155	
160					8,300	5,800				10,300	8,100				12,000*	9,900	7,600		160	
165					7,900	5,800					7,600					9,300	7,100		165	
170						5,500					7,100					8,900	6,700		170	
175						5,000					6,800					8,300	6,300		175	
180																	5,900		180	
185																	5,600		185	
190																			190	
195																			195	
200																			200	
205																			205	
210																			210	
215																			215	
220																			220	
Reeves	3						2						2						Reeves	

Refer to notes on page 52 to 53.



LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 121,300 lbs Carbody weights : 23,800 lbs

157' Boom																			
Load Radius (ft)	135 ft Jib						145 ft Jib						155 ft Jib						Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)						
	88	83	78	73	68	63	88	83	78	73	68	63	88	83	78	73	68	63	
40																			40
45																			45
50																			50
55																			55
60	34,000*																		60
65	32,700*																		65
70	31,300*						29,800*						27,500*						70
75	30,000*						28,800*						26,500*						75
80	29,000*						27,500*						25,500*						80
85	28,000*						26,500*						24,400*						85
90	27,000*	30,600					25,500*	29,500					23,400*						90
95	25,600*	28,500					24,500*	28,000					22,500*	26,700					95
100	23,800*	26,600					23,500*	26,300					21,800*	25,700					100
105	21,800*	24,900					21,600*	24,600					21,000*	24,600					105
110	19,800*	23,300					19,800*	23,100					19,600*	23,100					110
115	18,200*	22,000	19,100				18,200*	21,700	18,400				18,000*	21,800					115
120	16,700*	20,600*	18,200				16,700*	20,300*	18,000				16,500*	20,500	16,400				120
125	15,400*	19,400*	17,300				15,400*	18,900*	17,000				15,200*	19,400	16,300				125
130	14,100*	18,200*	16,400				14,100*	17,800*	16,000				14,100*	18,200	15,400				130
135	12,700*	16,700*	15,500	12,400			13,000*	16,700*	15,200				12,700*	17,300*	14,500				135
140		15,400*	14,600	12,100			11,900*	15,400*	14,400	11,000			11,900*	16,300*	13,600*				140
145		14,100*	13,900	11,400				14,100*	13,600	11,000			10,800*	14,900*	13,000*				145
150		12,700*	13,200	10,800				13,000*	13,000	10,400			9,900*	13,800*	12,300*	9,600			150
155		11,600*	12,500	10,200				11,900*	12,300	9,900			9,000*	12,700*	11,600*	9,300			155
160			12,000	9,700	6,700			11,000*	11,500*	9,300				11,600*	11,000*	8,800			160
165			11,200*	9,100	6,700				11,000*	8,800				10,800*	10,300*	8,300			165
170				8,500	6,300				10,300*	8,200				9,700*	9,900*	7,800			170
175				8,100	6,000				9,700*	7,800				8,800*	9,200*	7,300			175
180				7,700	5,600				9,000*	7,300					8,800*	6,900			180
185					5,200					6,900					8,100*	6,600			185
190					4,900					6,600						6,100			190
195					4,400					6,100						5,800			195
200																5,400			200
205																			205
210																			210
215																			215
220																			220
Reeves	2						2						2						Reeves

157' Boom																			
Load Radius (ft)	165 ft Jib						175 ft Jib												Load Radius (ft)
	Boom Angle (deg.)						Boom Angle (deg.)												
	88	83	78	73	68	63	88	83	78	73	68	63							
40																			40
45																			45
50																			50
55																			55
60																			60
65																			65
70	25,300*						23,000*												70
75	24,500*						22,200*												75
80	23,300*						21,300*												80
85	22,500*						20,500*												85
90	21,800*						19,700*												90
95	20,700*						19,000*	22,500											95
100	20,000*	24,200					18,300*	21,500											100
105	19,300*	23,300					17,600*	20,800											105
110	18,500*	22,500					17,000*	20,000											110
115	17,800*	21,400					16,000*	19,200											115
120	16,500*	20,200					14,900*	18,500	14,100*										120
125	15,200*	19,100					13,700*	17,800	14,100										125
130	13,800*	18,000	14,600*				12,700*	16,600*	13,600*										130
135	12,700*	16,800*	14,100*					15,600*	12,700*										135
140	11,700*	15,800*	13,200*					14,700*	12,000*										140
145		14,900*	12,500*					13,600*	11,300*										145
150		13,800*	11,900*					12,500*	10,700*	7,700									150
155		12,700*	11,200*	8,500				11,600*	10,100*	7,700									155
160		11,600*	10,500*	8,400					9,600*	7,600									160
165		10,800*	9,900*	8,000					9,000*	7,000									165
170			9,400*	7,400					8,500*	6,700									170
175			8,800*	7,000					8,100*	6,200									175
180			8,300*	6,600					7,400*	5,900									180
185			7,900*	6,200					7,000*	5,500									185
190			7,400*	5,800					6,600*	5,100									190
195			6,800*	5,500						4,800									195
200				5,100															200
205				4,800															205
210																			210
215																			215
220																			220
Reeves	2						2												Reeves

Refer to notes on page 52 to 53.

[illegible]



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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