

KOBELCO

Hydraulic Crawler Crane

CK1100G-3

Max. Lifting Capacity : 110 US Tons

Max. Crane Boom Length : 200 ft

Max. Fixed Jib Combination : 190 ft + 60 ft



Courtesy of CraneMarket.com

CK1100G-3

CONTENTS

2 SPECIFICATIONS

6 G-MODE

7 LOAD MOMENT INDICATOR (LMI)

8 WINCH PERFORMANCE DATA

9 SELF-ASSEMBLY PROCEDURE

10 COUNTERWEIGHT SELF REMOVAL DEVICE

CRANE BOOM/JIB

11 GENERAL DIMENSIONS

12 DIMENSIONS & WEIGHT

16 TRANSPORTATION PLAN

17 WORKING RANGES

20 BOOM AND JIB ARRANGEMENTS

21 SUPPLEMENTAL DATA FOR CRANE BOOM/JIB

22 LIFTING CHART FOR BOOM AND FIXED JIB

30 SUPPLEMENTAL DATA FOR CLAMSHELL

31 LIFTING CHART FOR CLAMSHELL

33 SUPPLEMENTAL DATA FOR BARGE

34 LIFTING CHART FOR BARGE

CK1100G-3 SPECIFICATIONS

General Description



<i>Type</i>	Crawler mounted, Lattice boom, Hydraulic controlled
<i>Maximum lift capacity</i>	220,000 lbs (99,800 kg) @ 11' operating radius (40' boom)
<i>Basic boom length</i>	40' (12.2 m)
<i>Maximum boom length</i>	200' (61.0 m)
<i>Basic boom & jib length</i>	80' + 30' (24.4 m + 9.1 m)
<i>Maximum boom & jib length</i>	190' + 60' (57.9 m + 18.3 m)
<i>Working weight</i>	Approx. 199,610 lbs (90,540 kg)
<i>Ground bearing pressure</i>	Approx. 13.0 psi (89.4 kPa)
<i>Gradeability</i>	40%

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, 40' boom and hook block.

General Dimensions

<i>Height to top of gantry (lowered)</i>	10' 10" (3,315 mm)
<i>Width of upper machine w/operator's cab</i>	9' 10" (2,990 mm)*
<i>Radius of rear end (counterweights)</i>	15' 5" (4,700 mm)
<i>Counterweight ground clearance</i>	3' 8" (1,115 mm)
<i>Center of rotation to boom foot pin</i>	3' 7" (1,100 mm)
<i>Height from ground to boom foot pin</i>	5' 10" (1,770 mm)
<i>Height over gantry (raised)</i>	20' 3" (6,185 mm)
<i>Overall length of crawlers</i>	20' 7" (6,280 mm)
<i>Overall width of crawlers</i>	17' 2" (5,244 mm)
<i>Center to center, idler to sprocket</i>	17' 10" (5,440 mm)
<i>Shoe width</i>	36" (914 mm)
<i>Ground clearance of body</i>	1' 3" (390 mm)

Working Speed

<i>Hoist line speed (front and rear drums)</i>	390 to 10 ft/min (120 to 3 m/min)
<i>Lowering line speed (front and rear drums)</i>	390 to 10 ft/min (120 to 3 m/min)
<i>Boom hoist line speed</i>	230 to 6.6 ft/min (70 to 2 m/min)
<i>Boom lowering line speed</i>	230 to 6.6 ft/min (70 to 2 m/min)
<i>Swing speed (max.)</i>	4.0 rpm (4.0 min ⁻¹)
<i>Travel speed (high/low)</i>	1.1/0.72 mph (1.7/1.1 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 6HK1 (Tier 4 Final)

No. of cylinders 6

Bore X stroke 115 mm × 125 mm

Cycles 4

Total displacement 475 cu.in. (7.79 L)

Rated output SAE GROSS

281.6 HP / 1,900 rpm (210 kW / 1,900 min⁻¹)

Maximum torque 796.6 lbs·ft / 1,500 rpm (1,080 N·m / 1,500 min⁻¹)

Starter 24 Volts / 5.0 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.

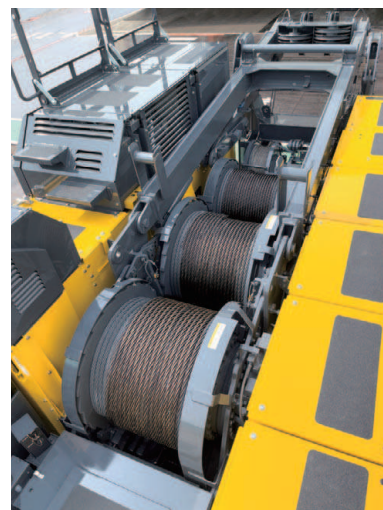
Throttle Twist grip type hand throttle, electrically controlled, in conjunction with floor mounted pedal.

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' 4" wide with step on cab side only.
11' wide with step on both sides.



Self Lifting Device - Standard Equipment

Counterweight and Carbody weight

Counterweight Base	1 × 18,300 lbs (8,310 kg)
Counterweight (R)	2 × 12,700 lbs (5,750 kg)
Counterweight (L)	2 × 12,700 lbs (5,750 kg)
Total Counterweight	69,100 lbs (31,310 kg)
Carbody weight	2 × 15,900 lbs (7,200 kg)
Total Carbody weight	31,800 lbs (14,400 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)
99.1 US gal. (375 L)

Hydraulic pumps :

Load hoist, boom hoist, and propel

2 piston pumps, max flow rate
67.2 US gal/min × 2 (254.7 L/min × 2)

Swing

1 piston pump, max flow rate
46.8 US gal/min (177.2 L/min)

Control system and auxiliary

2 gear pumps, max flow rate
16.2 US gal/min + 10.6 US gal (61.6 L/min + 40.5 L/min)

Brake cooling system

2 gear pumps, max flow rate
19.4 US gal/min × 2 (73.5 L/min × 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.

CK1100G-3 SPECIFICATIONS



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 (free fall) -

Max. line pull (single line) - 46,800 lbf (208 kN)

Rated line pull - 25,200 lbf (112 kN)

614 mm P.C.D. × 614 mm Lg., grooved for 26 mm wire rope. Rope capacity is 771' (235 m) working length and 1,185' (361.2 m) storage length.

Rear drum (free fall) -

Max. line pull (single line) - 46,800 lbf (208 kN)

Rated line pull - 25,200 lbf (112 kN)

614 mm P.C.D. × 614 mm Lg., grooved for 26 mm wire rope. Rope capacity is 525' (160 m) working length and 1,185' (361.2 m) storage length.

Third drum (optional) -

Max. line pull (single line) - 32,400 lbf (144 kN)

Rated line pull - 17,000 lbf (78.5 kN)

550 mm P.C.D. × 543 mm Lg., grooved for 22 mm wire rope. Rope capacity is 476' (145 m) working length and 1,098' (334.9 m) storage length.

Lower Machinery

Crawlers :

Crawler assemblies can be hydraulically extended or retracted for wide track operation or retracted for transportation. 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 :

66 shoes - 36" wide, each crawler.

Track rollers :

The track rollers are sealed for maintenance free operation.



Crane Attachments

Boom :

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

<i>Maximum boom length</i>	200' (61.0 m)
<i>Basic boom length</i>	40' (12.2 m)
<i>Boom base section</i>	19' (5.8 m)
<i>Boom tip section</i>	21' (6.4 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)
--------------------	--

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>	60' (18.3 m)
<i>Basic jib length</i>	30' (9.1 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 80' (24.4 m) through 190' (57.9 m)



Auxiliary sheave (optional) :

Auxiliary sheave is extendible on booms of 40' (12.2 m) through 190' (57.9 m)

Boom hoist reeving :

Twelve (12) parts of 16 mm diameter high strength wire rope.

Boom backstops :

Telescopic type with spring bumper

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)
- Free fall winches
- 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
- Level indicator

Safety Service (cont)

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

Tools and Accessories

A set of tools and manuals are furnished.

Optional Equipment

- Third drum with free fall
- Hook block
- Hook ball
- Auxiliary sheave
- Fixed jib
- Boom inserts
- Boom base mounted cylinder -
- Self-assembly assist
- Translifters

CK1100G-3

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

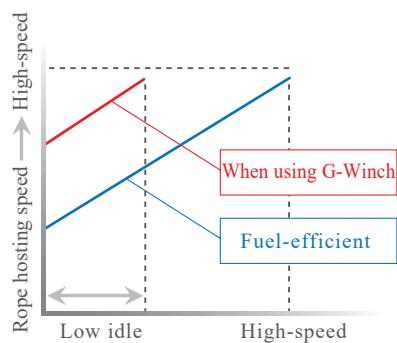
The AIS mode can conserve fuel by stopping the engine, with an operator prompt, after 10 seconds of idling time. Restarting the engine is simple by just twisting the throttle.



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

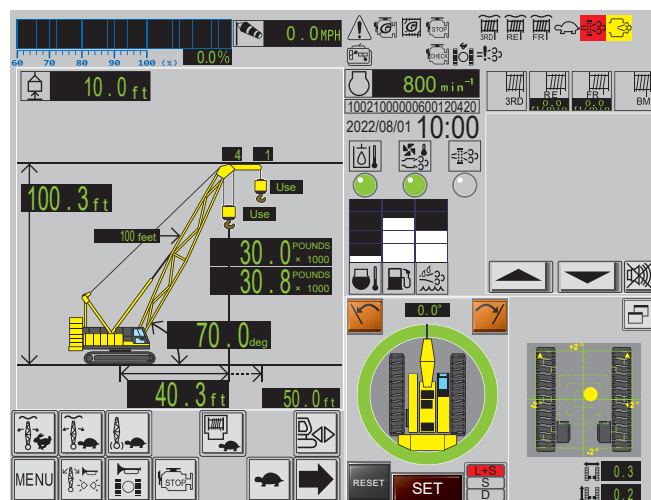
This machine is equipped with the SCR system. The SCR system is used to reduce emission of NOx (nitrogen oxide) from the engine. The SCR system decomposes NOx contained in exhaust gas into water and nitrogen by spraying DEF/ AdBlue® into the muffler. This means that the exhaust gas from the diesel engine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

CK1100G-3 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.



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

Display lamp

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

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

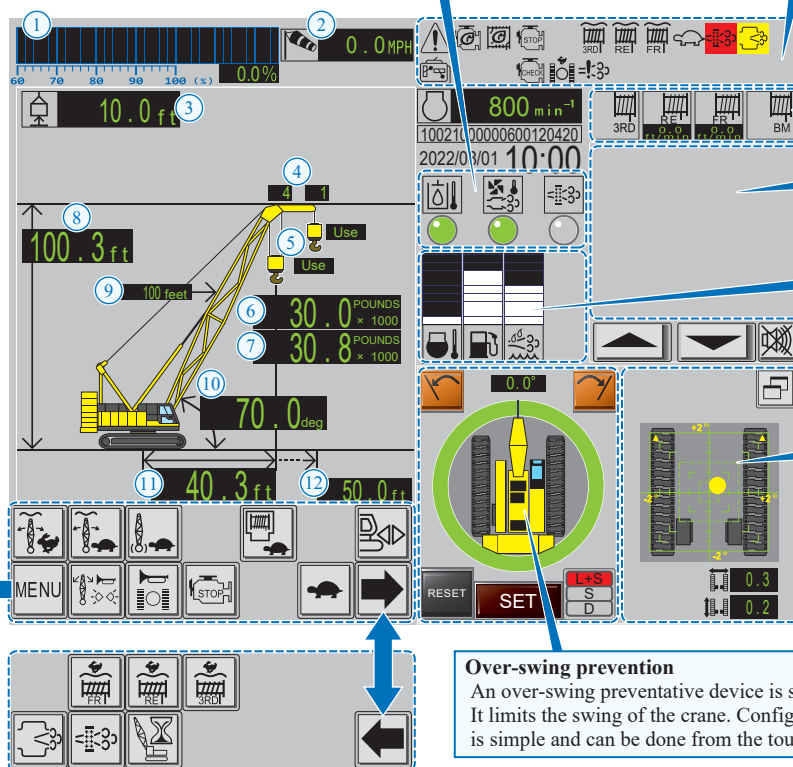
Error message
Touch to display details in a pop-up window.

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

CK1100G-3

WINCH PERFORMANCE DATA

Note :

Line speed and line pull based on ISUZU 6HK1 at 1,900 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)

Wire Rope Diameter = See spec in chart below

Rated Line Pull = 25,200 lbf (112 kN)

Maximum Line Pull = 46,800 lbf (208 kN)

Total Storage Capacity = 1,185 ft (361.2 m)

		Line speed (ft / min)					
	Layer	1	2	3	4	5	6
Line Pull (lbf)	0	393	421	449	476	504	
	5,000	393	421	449	476	504	
	10,000	387	414	440	467	494	
	15,000	360	360	348	348	348	
	20,000	270	270	261	261	261	storage only
	25,200	214	214	199	187	173	
	30,000	166	149	140	138	136	
	35,000	120	118	114	109		
	40,000	100	95				
Storage Capacity (ft)		139	149	159	169	179	189

Third Drum (for Load hoist)

Wire Rope Diameter = See spec in chart below

Rated Line Pull = 17,000 lbf (78.5 kN)

Maximum Line Pull = 32,400 lbf (144 kN)

Total Storage Capacity = 1,098 ft (334.9 m)

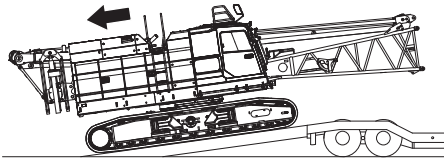
		Line speed (ft / min)					
	Layer	1	2	3	4	5	6
Line Pull (lbf)	0	394	394	394	394	394	
	5,000	394	394	394	394	394	
	10,000	227	227	227	227	227	
	15,000	147	152	161	170	179	storage only
	17,000	142	151	160	169	178	
	20,000	140	149	158	167	176	
	25,000	138	147	155	164	172	
	30,000	136	144				
Storage Capacity (ft)		130	139	148	157	166	175

Wire Rope Specifications

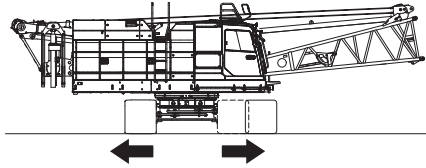
Use	Rope spec.	Rope dia.	Rope length	Safety factor	Breaking strength
Front drum	IWRC 6 × Fi (29) Right-hand Regular lay	1.048" to 1.067" (26.63 mm to 27.09 mm)	771 ft (235 m)	3.5 : 1	120,048 lbf (534 kN)
Front drum (optional)	U3 × SeS (48) Right-hand Regular lay	1.050" to 1.065" (26.68 mm to 27.04 mm)	771 ft (235 m)	3.5 : 1	135,110 lbf (601 kN)
Rear drum	IWRC 6 × Fi (29) Right-hand Regular lay	1.048" to 1.067" (26.63 mm to 27.09 mm)	525 ft (160 m)	3.5 : 1	120,048 lbf (534 kN)
Rear drum (optional)	U3 × SeS (48) Right-hand Regular lay	1.050" to 1.065" (26.68 mm to 27.04 mm)	525 ft (160 m)	3.5 : 1	135,110 lbf (601 kN)
Boom hoist drum	IWRC 6 × P·WS (31) Right-hand Regular lay	0.649" to 0.657" (16.48 mm to 16.70 mm)	492 ft (150 m)	3.5 : 1	47,210 lbf (210 kN)
Boom hoist drum (optional)	IWRC 8 × P·S (19) Right-hand Regular lay	0.649" to 0.657" (16.48 mm to 16.70 mm)	492 ft (150 m)	3.5 : 1	47,210 lbf (210 kN)
Third drum (optional)	IWRC 6 × Fi (29) Right-hand Regular lay	0.888" to 0.905" (22.55 mm to 22.99 mm)	476 ft (145 m)	3.5 : 1	81,606 lbf (363 kN)

CK1100G-3 SELF-ASSEMBLY PROCEDURE

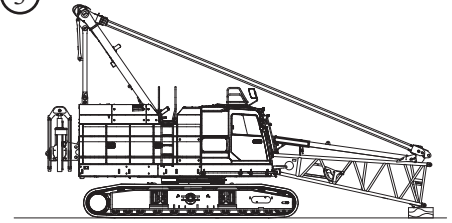
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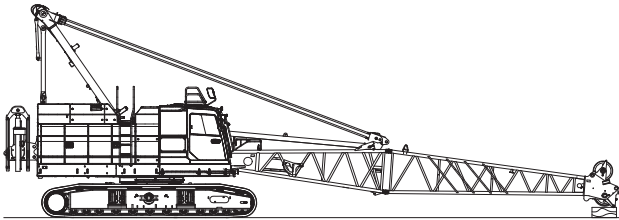
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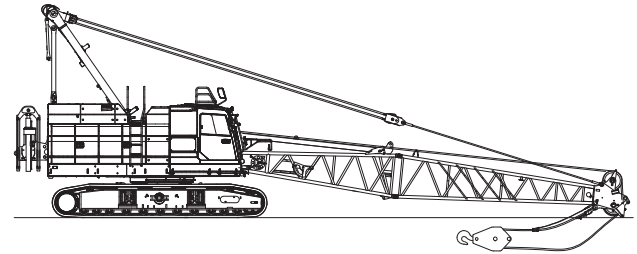
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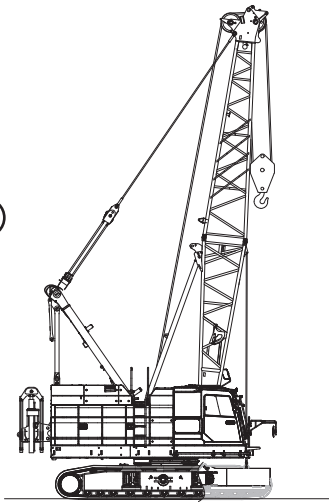
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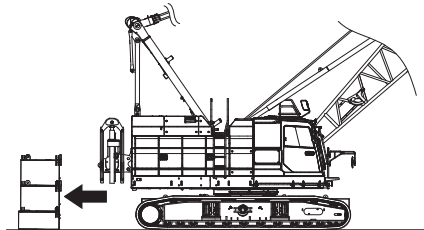
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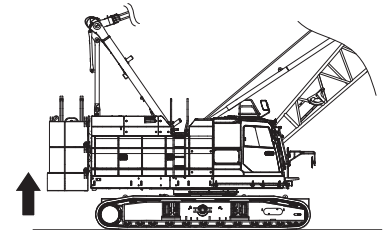
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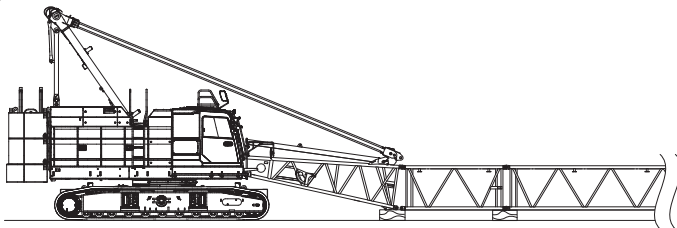
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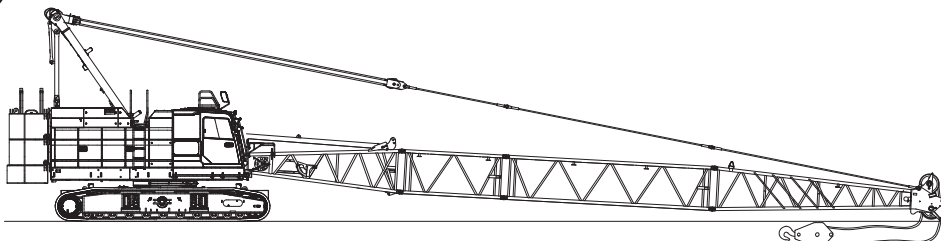
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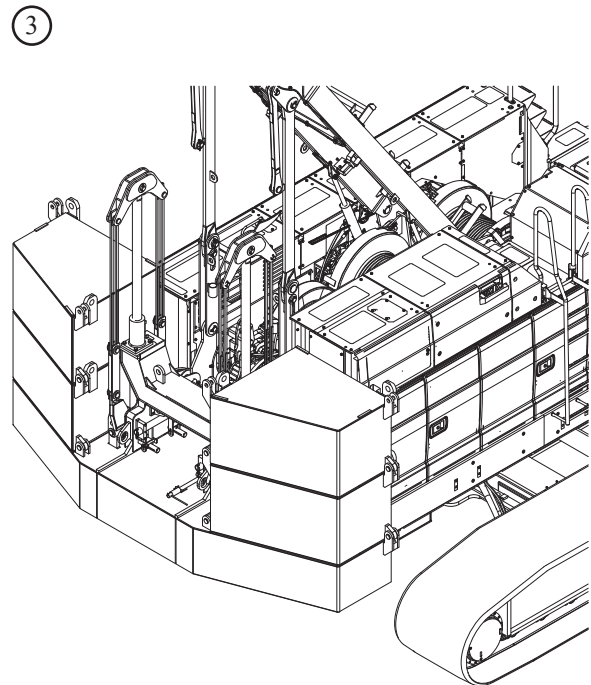
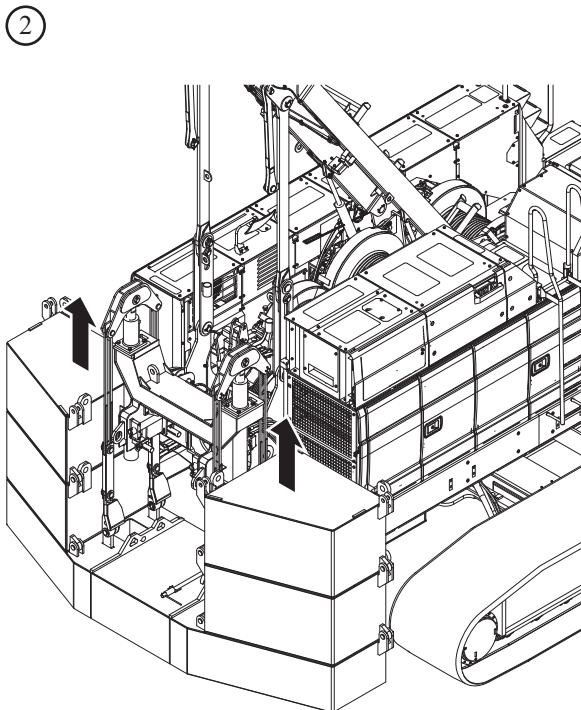
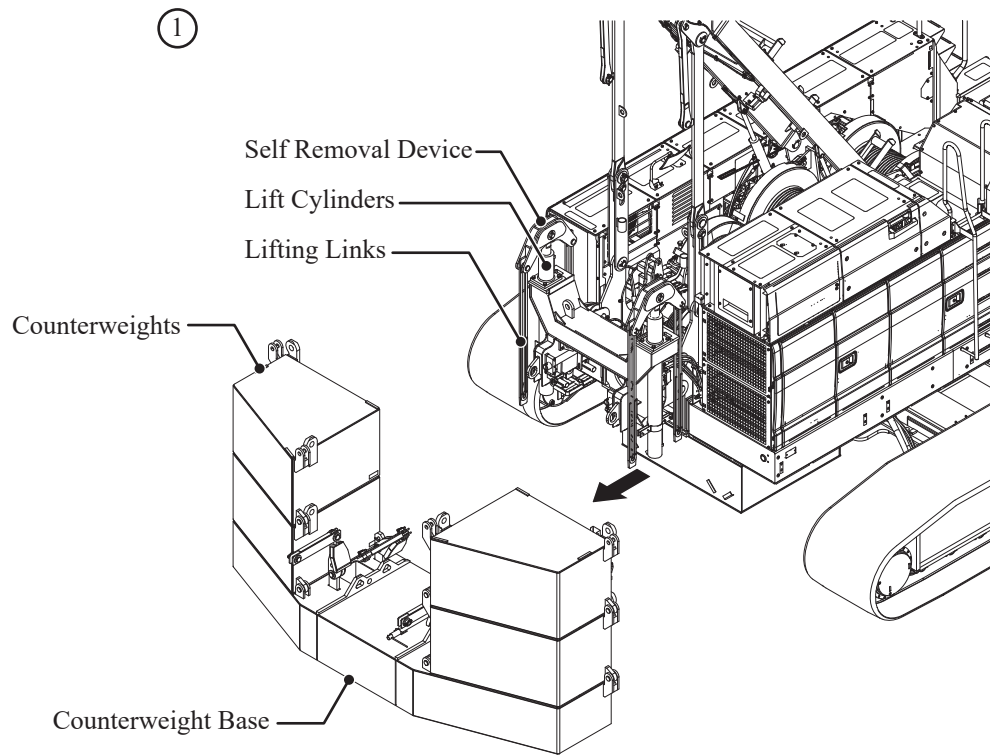
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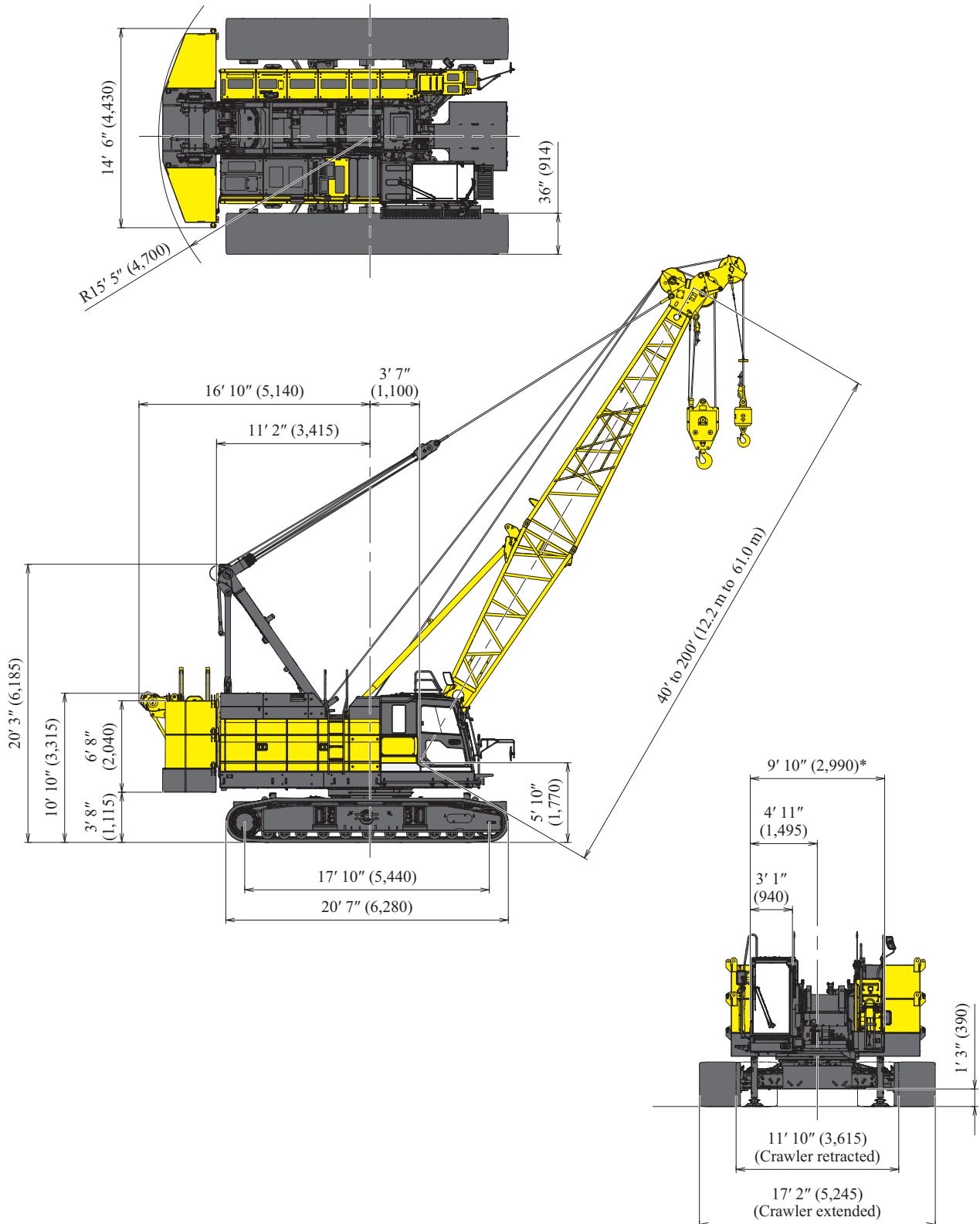


CK1100G-3 COUNTERWEIGHT SELF REMOVAL DEVICE



Crane Boom

Unit : ft. in. (mm)



* 10' 4" wide with step on cab side only.
11' wide with step on both sides.

CK1100G-3

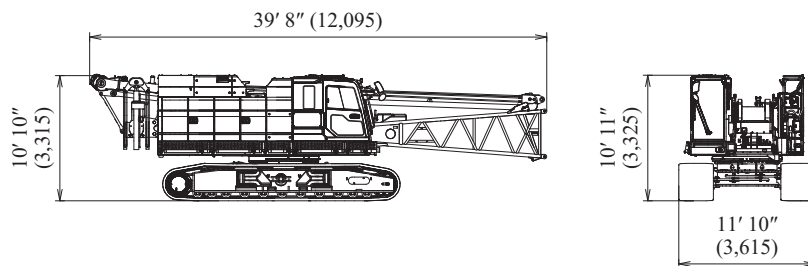
DIMENSIONS & WEIGHT

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

Base Machine - 1

Weight: 96,770 lbs (43,895 kg)

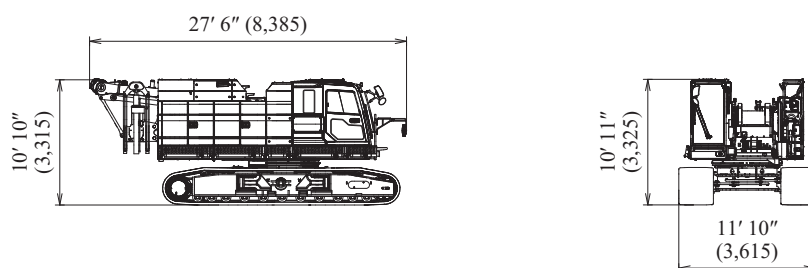
- Gantry○
- Boom base.....○
- Boom drum○
- Wire rope Front.....○
- Rear○
- Boom.....○
- Self removal device○
- Step○
- Crawler.....○
- Translifter (optional).....×



Base Machine - 2

Weight: 92,285 lbs (41,860 kg)

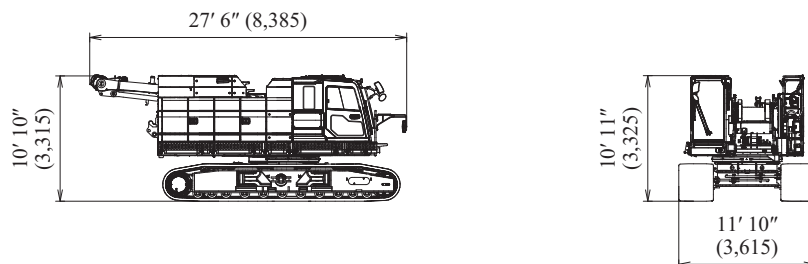
- Gantry○
- Boom base.....×
- Boom drum○
- Wire rope Front.....○
- Rear○
- Boom.....○
- Self removal device○
- Catwalk○
- Step○
- Translifter (optional).....×



Base Machine - 3

Weight: 90,335 lbs (40,975 kg)

- Gantry○
- Boom base.....×
- Boom drum○
- Wire rope Front.....○
- Rear○
- Boom.....○
- Self removal device×
- Step○
- Crawler.....○
- Translifter (optional).....×



○ : With
× : Without

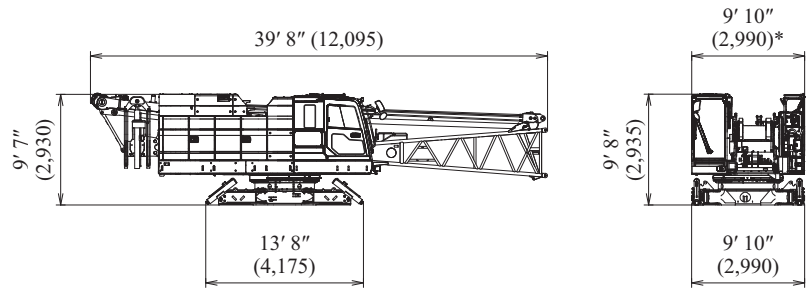
CK1100G-3 DIMENSIONS & WEIGHT

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

Base Machine - 4

Weight: 64,680 lbs (29,340 kg)

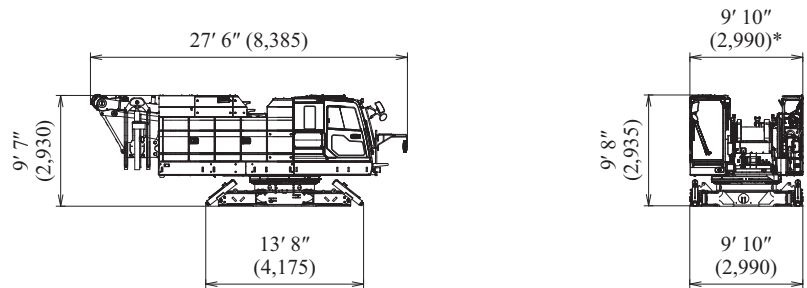
- Gantry○
- Boom base.....○
- Boom drum○
- Wire rope Front.....○
- Rear○
- Boom.....○
- Self removal device○
- Step×
- Crawler.....×
- Translifter (optional).....○



Base Machine - 5

Weight: 60,195 lbs (27,305 kg)

- Gantry○
- Boom base.....×
- Boom drum○
- Wire rope Front.....○
- Rear○
- Boom.....○
- Self removal device○
- Step×
- Crawler.....×
- Translifter (optional).....○

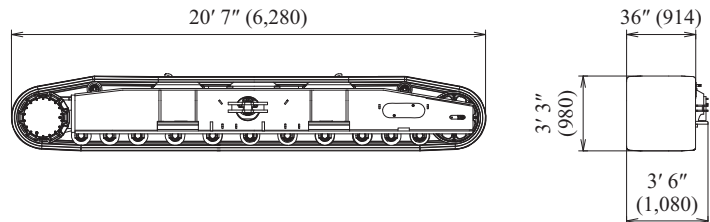


○ : With
× : Without

* 10' 4" wide with step on cab side only.
11' wide with step on both sides.

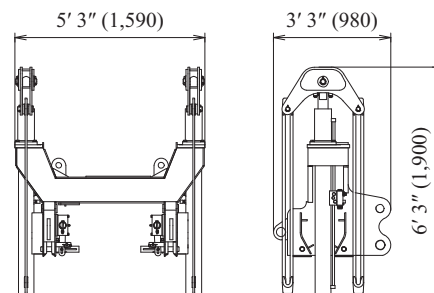
Crawler

Weight: 16,940 lbs (7,685 kg)



Self Removal Unit

Weight: 1,900 lbs (860 kg)



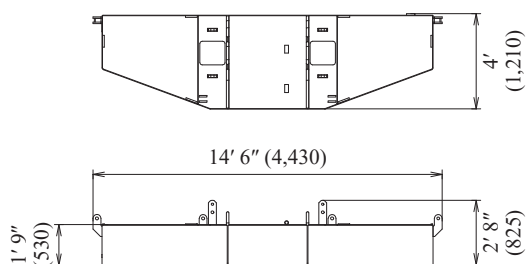
CK1100G-3

DIMENSIONS & WEIGHT

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

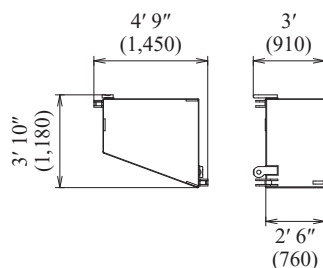
Counterweight Base

Weight: 18,300 lbs (8,310 kg)



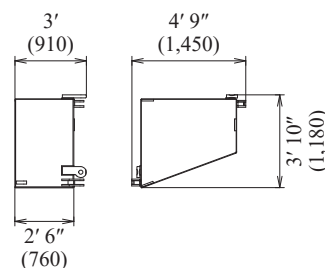
Left Side Counterweight

Weight: 12,700 lbs (5,750 kg)



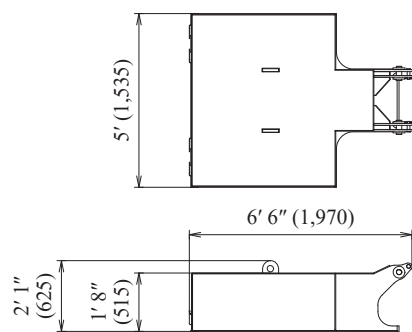
Right Side Counterweight

Weight: 12,700 lbs (5,750 kg)



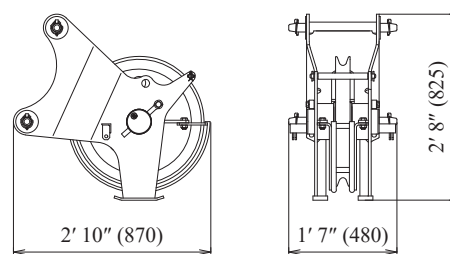
Carbody Weight

Weight: 15,900 lbs (7,200 kg)



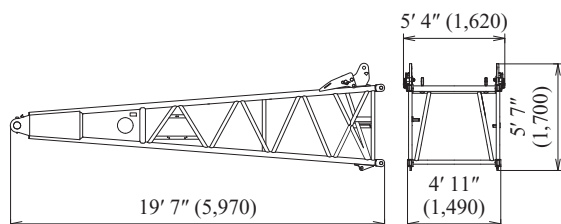
Auxiliary Sheave

Weight: 430 lbs (195 kg)



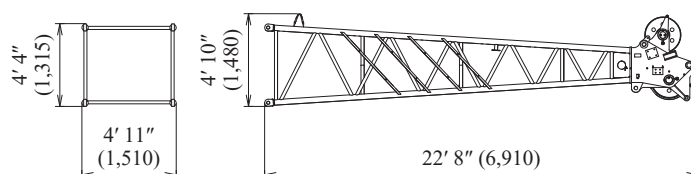
Boom Base

Weight: 2,700 lbs (1,210 kg)



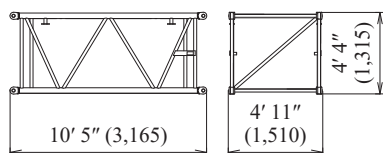
Boom Tip

Weight: 2,700 lbs (1,205 kg)



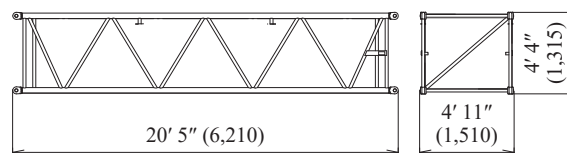
10 ft (3.0 m) Boom Insert

Weight: 680 lbs (310 kg)



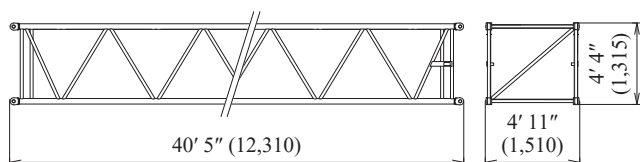
20 ft (6.1 m) Boom Insert

Weight: 1,200 lbs (525 kg)



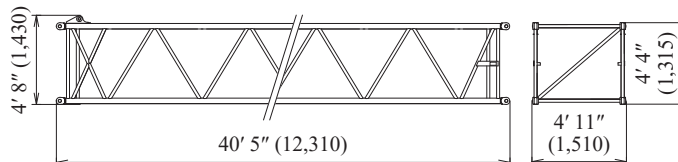
40 ft (12.2 m) Boom Insert

Weight: 2,100 lbs (965 kg)



40 ft (12.2 m) Boom Insert with Lug

Weight: 2,200 lbs (980 kg)

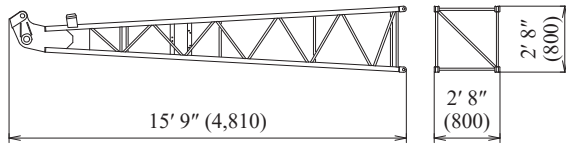


CK1100G-3 DIMENSIONS & WEIGHT

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

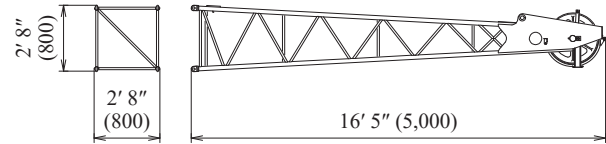
Fixed Jib Base

Weight: 440 lbs (200 kg)



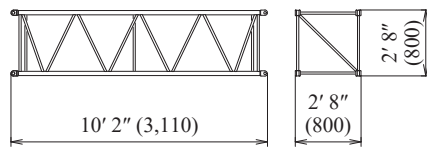
Fixed Jib Tip

Weight: 620 lbs (280 kg)



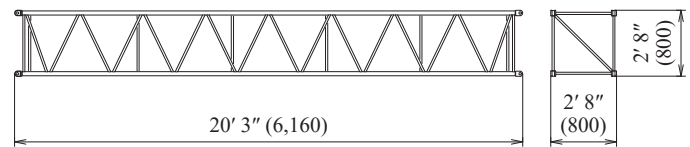
10 ft (3.0 m) Fixed Jib Insert

Weight: 220 lbs (100 kg)



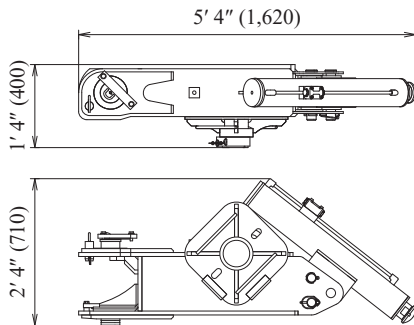
20 ft (6.1 m) Fixed Jib Insert

Weight: 400 lbs (180 kg)



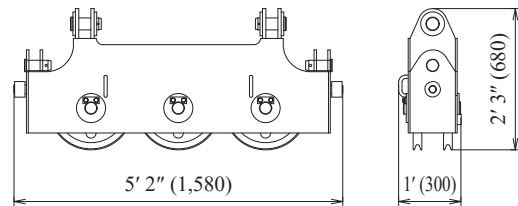
Transliifter (optional)

Weight: 640 lbs (290 kg)



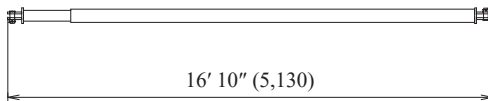
Upper Spreader

Weight: 620 lbs (280 kg)



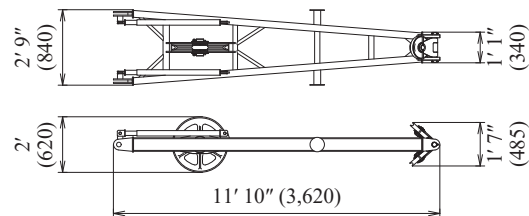
Boom Backstop

Weight: 600 lbs (270 kg)



Fixed Jib Strut

Weight: 610 lbs (275 kg)



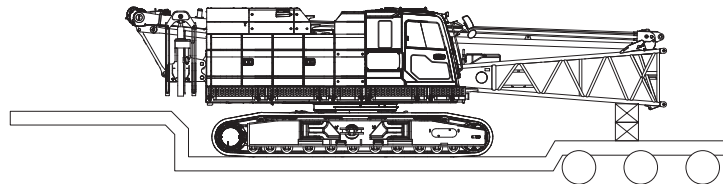
CK1100G-3 TRANSPORTATION PLAN

Shipping plan for 150 ft Boom

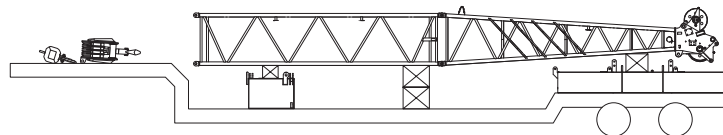
Description of Item	Weight		Trailer Loads			
	lbs	(kg)	#1	#2	#3	#4
Base Machine with Boom Base and Crawler*	96,770	(43,895)	1			
Counterweight Base	18,300	(8,310)		1		
Counterweight (L)	12,700	(5,750)			2	
Counterweight (R)	12,700	(5,750)		1	1	
Carbody Weight	15,900	(7,200)				2
10 ft Boom Insert	680	(310)			1	
20 ft Boom Insert	1,200	(525)		1		
40 ft Boom Insert	2,100	(965)			1	
40 ft Boom Insert (w/ Lug)	2,200	(980)				1
Boom Tip	2,700	(1,205)		1		
Fixed Jib Base and Strut	1,050	(475)				
10 ft Fixed Jib Insert	220	(100)				
20 ft Fixed Jib Insert	400	(180)				
Fixed Jib Tip	620	(280)				
75 Ton Block	3,000	(1,361)		1		
13 Ton Ball	800	(365)		1		
Ladder Assembly	49	(22)				1
Support Box	5,000	(2,268)				1
Approx. Total Shipping Weight	lbs	(kg)	96,770 (43,895)	38,700 (17,516)	40,880 (18,525)	39,049 (17,670)

* Steps on both sides are included. Third drum is not included. Add 4,200 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.

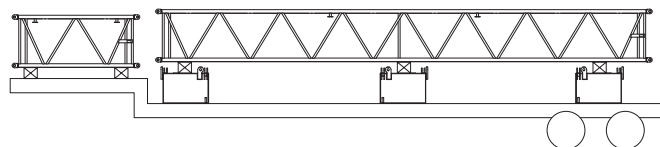
Trailer #1



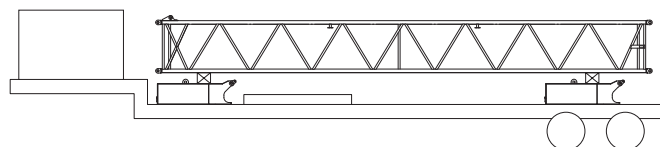
Trailer #2*



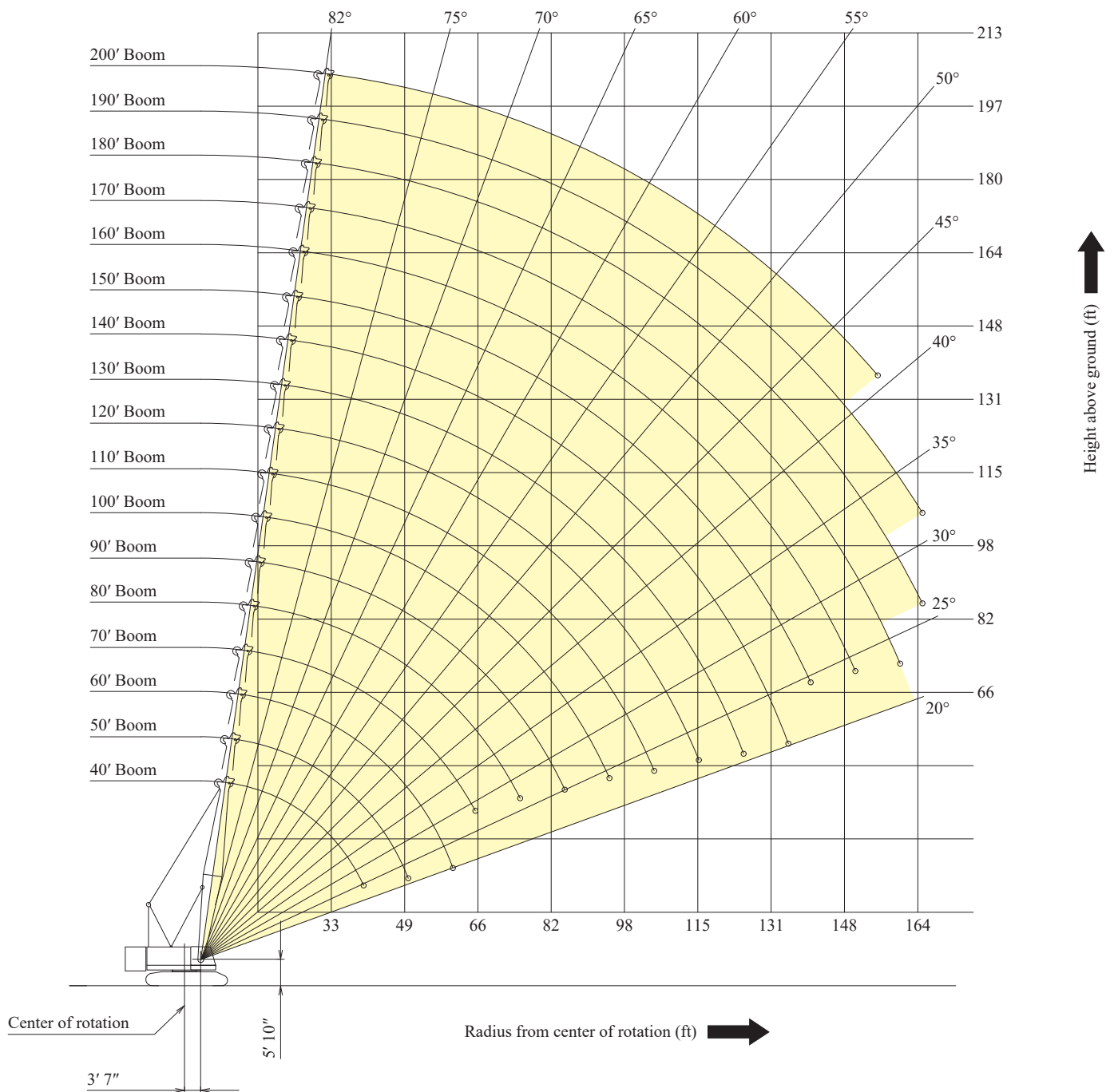
Trailer #3



Trailer #4

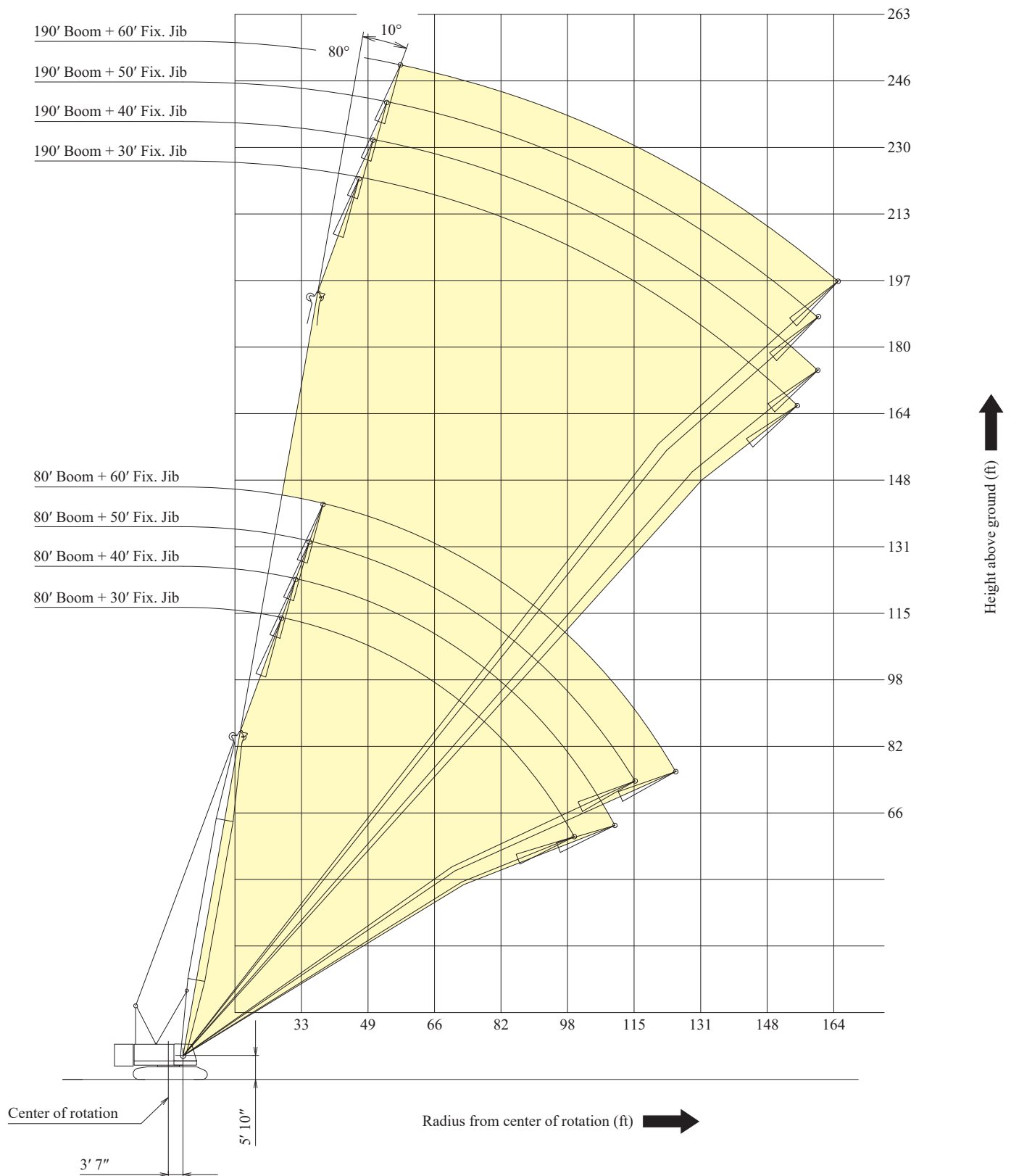


Main Boom

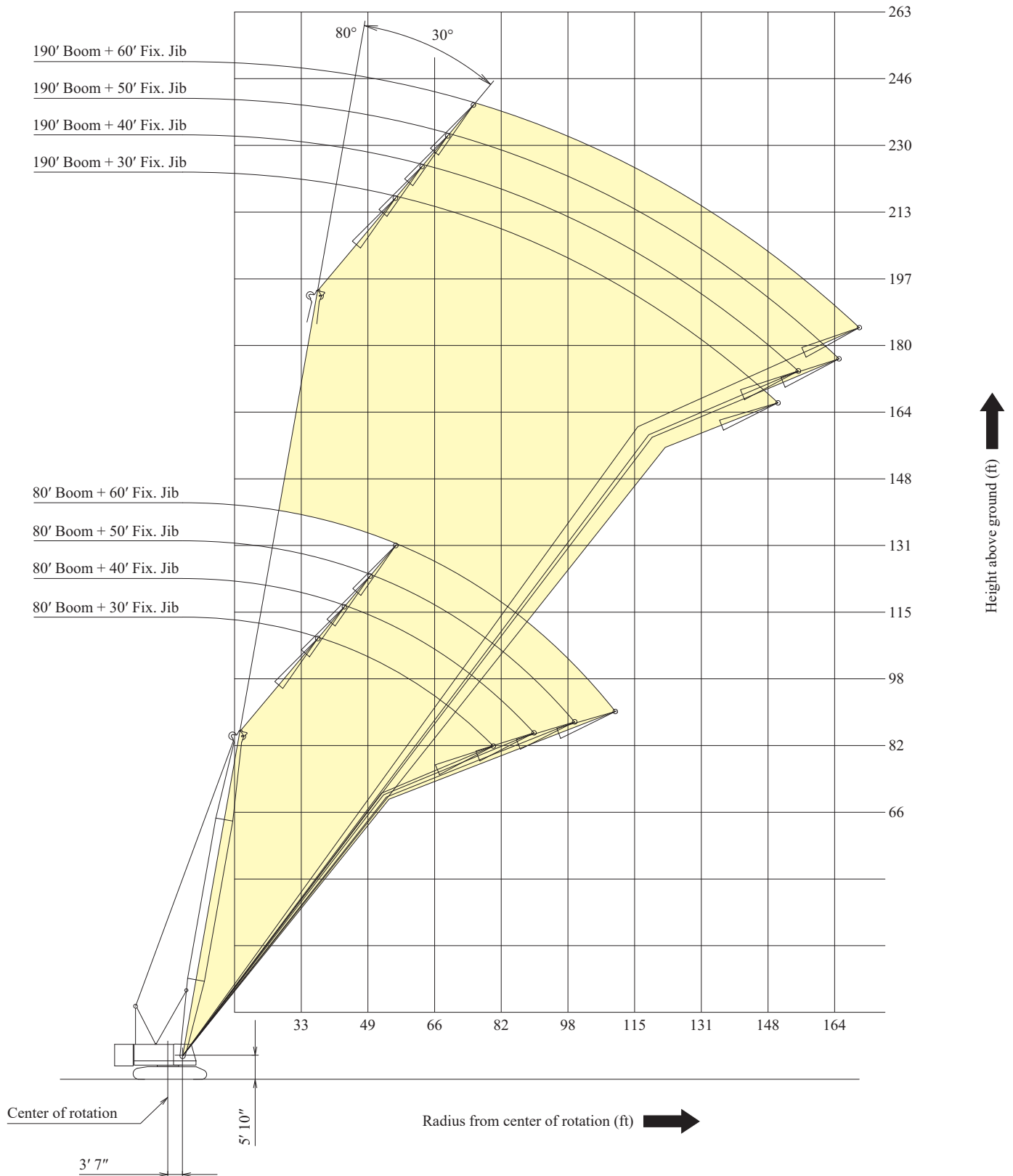


CK1100G-3 WORKING RANGES

Fixed Jib 10°



Fixed Jib 30°



CK1100G-3 BOOM AND JIB ARRANGEMENTS

Boom Arrangement

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

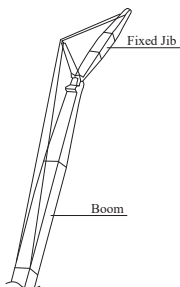
Boom length : ft (m)	Boom arrangement
150 (45.7)	※
160 (48.8)	※
170 (51.8)	※
180 (54.9)	※
190 (57.9)	※
200 (61.0)	※

Symbol	Boom Length	Remarks
	19 ft (5.8 m)	Boom Base
	21 ft (6.4 m)	Boom Tip
	10 ft (3.0 m)	Boom Insert
	20 ft (6.1 m)	Boom Insert
	40 ft (12.2 m)	Boom Insert
	40 ft (12.2 m)	Boom Insert with Lug

➤ Mark shows the boom insert with lugs attached and the guy line installing position when the jib is used.

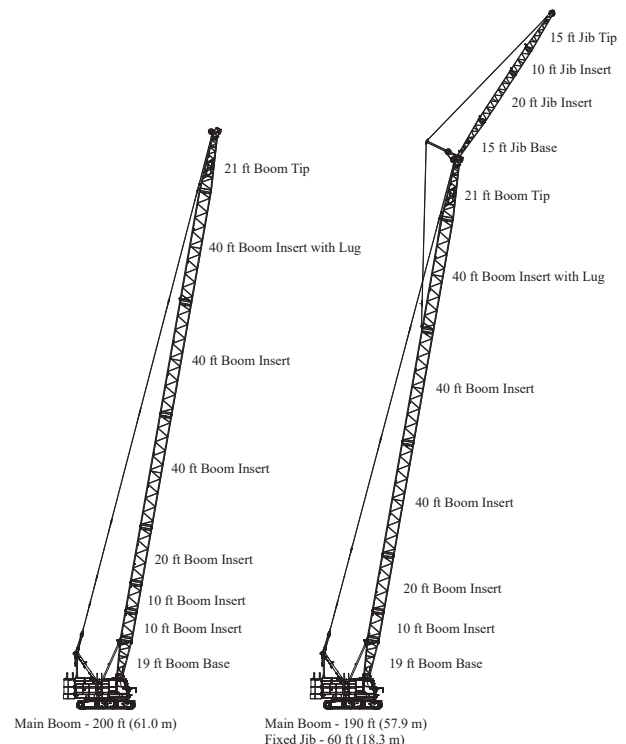
※ Indicates the most flexible combination of boom inserts, which can be modified to form all shorter boom arrangements.

Fixed Jib Arrangement



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

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



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.
- Crawlers must be fully extended and be locked in position.
- 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	30 ft	40 ft	50 ft	60 ft
Deductions (lbs)	420	2,500	3,700	5,100	6,700

When auxiliary sheave is used for 8 or 7 reeving parts of line, it is not required to deduct 420 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 80 ft (24.4 m) to 190 ft (57.9 m).

- The total load that can be lifted over an auxiliary sheave is the value for 420 lbs deducted from rated load for the boom without auxiliary sheave, but it should not exceed 24,000 lbs.

- Boom lengths that can attach auxiliary sheave are from 40 ft (12.2 m) to 190 ft (57.9 m).

- The boom should be erected over the front of the crawlers, not laterally. When erecting and lowering the boom at length of 190 ft (57.9 m) with jib, the blocks for erection must be placed at the end of the crawlers.

- Least stable position is over the side.

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

Main Boom Hoist Loads

No. of Parts of line	1	2	4	5	6
Maximum Loads (lbs)	25,200	50,400	100,800	126,000	151,200

No. of Parts of line	7*	8*
Maximum Loads (lbs)	176,400	220,000

*Use auxiliary sheave.

Jib Hoist Loads

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

Auxiliary Hoist Loads

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

- Weight of recommended hook block.

Hook Block	110 USt	77 USt	55 USt	39 USt	BALL HOOK
Weight (lbs)	3,815	1,990	1,875	1,545	660

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.

- 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.

CK1100G-3 LIFTING CHART

Main Boom Lift Capacity

Counterweights : 69,100 lbs Carbody weights : 31,800 lbs

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

Note: Designed and rated to comply with ANSI Code B30.5
Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
Refer to notes on page 21.

Main Boom Lift Capacity

Counterweights : 69,100 lbs Carbody weights : 31,800 lbs

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

Note: Designed and rated to comply with ANSI Code B30.5
Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
Refer to notes on page 21.

CK1100G-3 LIFTING CHART

Fixed Jib Lift Capacity (without main hook)

Counterweights : 69,100 lbs Carbody weights : 31,800 lbs

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

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

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 21.

Fixed Jib Lift Capacity (without main hook)

Counterweights : 69,100 lbs Carbody weights : 31,800 lbs

100' Boom																										
30 ft Jib						40 ft Jib						50 ft Jib						60 ft Jib								
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)								
10			30			10			30			10			30			10			30					
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)			
32.0	79.9	24,000*			21,000*	36.0	80.0	24,000*			15,100*	40.0	79.9	20,000*			11,500*	45.0	79.3	18,000*			78.3	8,810*		
34.0	79.0	24,000*				38.0	79.2	24,000*				45.0	78.0	20,000*				50.0	77.5	18,000*						
36.0	78.1	24,000*				40.0	78.4	24,000*				50.0	76.0	20,000*				55.0	75.5	17,720*						
38.0	77.2	24,000*				45.0	76.3	24,000*				55.0	73.9	20,000*				60.0	73.7	16,350*						
40.0	76.4	24,000*				50.0	74.2	24,000*				60.0	71.9	18,930*				65.0	71.8	15,160*						
45.0	74.1	24,000*				55.0	71.9	24,000*				65.0	69.9	17,590*				70.0	69.9	14,130*						
50.0	71.8	24,000*				60.0	69.7	23,280*				70.0	67.8	16,420*				75.0	67.8	13,160*						
55.0	69.3	24,000*				65.0	67.5	21,620*				75.0	65.6	15,340*				80.0	65.8	12,360*						
60.0	67.0	24,000*				70.0	65.3	20,190*				80.0	63.4	14,440*				85.0	63.8	11,660*						
65.0	64.5	22,440				75.0	62.8	18,620				85.0	61.2	13,640*				90.0	61.7	11,040*						
70.0	62.1	20,320	80.0	60.4	17,060	90.0	59.0	12,910*	95.0	59.5	10,420*	100.0	57.3	9,920*	105.0	55.1	9,450*	110.0	52.7	9,030*	115.0	50.2	8,610*			
75.0	59.4	18,400	85.0	58.0	15,710	95.0	56.9	10,580*	105.0	56.4	7,870*	110.0	53.7	7,690*	115.0	50.2	8,610*	120.0	47.7	8,280*	125.0	45.1	7,950*			
80.0	56.7	16,860	90.0	55.5	14,500	100.0	54.0	10,310*	110.0	49.0	10,670*	115.0	46.1	10,200*	120.0	43.2	9,590	125.0	40.2	9,010	130.0	36.8	8,480	135.0	33.2	7,800*
85.0	54.0	15,520	95.0	52.8	13,380	105.0	50.1	12,450	110.0	47.2	11,590	115.0	44.3	10,840	120.0	41.7	11,460	125.0	38.1	10,690	130.0	34.0	9,980	135.0	31.7	9,270*
90.0	51.2	14,320	100.0	50.1	11,590	110.0	47.2	10,840	120.0	44.3	10,110	130.0	41.7	9,460	140.0	39.9	8,780	150.0	37.7	8,090*	160.0	35.5	7,400*	170.0	33.3	6,710*
95.0	48.1	13,220	105.0	47.2	10,840	115.0	44.3	10,110	125.0	41.7	9,460	135.0	39.9	8,780	145.0	37.7	8,090*	155.0	35.5	7,400*	165.0	33.3	6,710*	175.0	31.1	6,020*
100.0	45.0	12,270	110.0	44.3	10,110	120.0	41.7	9,460	130.0	39.9	8,780	140.0	37.7	8,090*	150.0	35.5	7,400*	160.0	33.3	6,710*	170.0	31.1	6,020*	180.0	28.9	5,330*
105.0	41.7	11,460	115.0	41.7	9,460	125.0	39.9	8,780	135.0	37.7	8,090*	145.0	35.5	7,400*	155.0	33.3	6,710*	165.0	31.1	6,020*	175.0	28.9	5,330*	185.0	26.7	4,640*
110.0	38.1	10,690	120.0	38.1	8,860*	130.0	36.1	8,200	140.0	34.0	7,520*	150.0	31.7	6,830*	160.0	29.5	6,140*	170.0	27.3	5,450*	180.0	25.1	4,760*	190.0	22.9	4,070*
115.0	34.0	9,980	125.0	34.0	8,170*	135.0	32.5	7,420*	145.0	30.3	6,730*	155.0	28.1	6,040*	165.0	25.9	5,350*	175.0	23.7	4,660*	185.0	21.5	3,970*	195.0	19.3	3,280*
Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1	

110' Boom																										
30 ft Jib						40 ft Jib						50 ft Jib						60 ft Jib								
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)								
10			30			10			30			10			30			10			30					
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)			
34.0	79.8	24,000*			21,000*	38.0	79.9	24,000*			15,360*	45.0	78.8	20,000*			11,150*	45.0	80.0	18,000*			79.1	8,970*		
36.0	79.0	24,000*				40.0	79.2	24,000*				50.0	76.9	20,000*				50.0	78.3	18,000*						
38.0	78.2	24,000*				45.0	77.2	24,000*				55.0	75.0	20,000*				55.0	76.4	18,000*						
40.0	77.3	24,000*				50.0	75.3	24,000*				60.0	73.1	19,810*				60.0	74.7	17,040*						
45.0	75.3	24,000*				55.0	73.2	24,000*				65.0	71.2	18,430*				65.0	72.9	15,820*						
50.0	73.2	24,000*				60.0	71.2	24,000*				70.0	69.3	17,230*				70.0	71.1	14,770*						
55.0	70.9	24,000*				65.0	69.1	22,500				75.0	67.2	16,110*				75.0	69.2	13,800*						
60.0	68.7	24,000*				70.0	67.1	20,370				80.0	65.2	15,160*				80.0	67.3	12,960*						
65.0	66.5	22,260				75.0	64.8	18,450				85.0	63.2	14,350*				85.0	65.5	12,230*						
70.0	64.3	20,150				80.0	62.7	16,880				90.0	61.2	13,600*				90.0	63.6	11,590*						
75.0	61.8	18,230	85.0	60.5	15,520	95.0	58.9	12,890*	95.0	61.5	10,950*	100.0	59.5	10,420*	105.0	57.5	9,940*	110.0	55.4	9,500*	115.0	53.1	9,080*			
80.0	59.4	16,680	90.0	62.7	16,460*	100.0	62.2	11,220*	100.0	61.5	8,310*	105.0	59.2	8,090*	110.0	56.7	7,890*	115.0	54.0	7,690*	120.0	50.9	8,700*			
85.0	57.0	15,340	95.0	60.2	15,650	105.0	55.7	13,200	105.0	54.5	11,530	110.0	52.2	10,780	115.0	50.0	10,000*	120.0	47.7	9,450*	125.0	45.1	8,950*			
90.0	54.5	14,150	100.0	57.6	14,440	110.0	54.0	12,450	110.0	51.8	11,660*	115.0	49.6	10,930	120.0	47.1	10,200*	125.0	44.3	9,590	130.0	41.7	9,010			
95.0	51.8	13,020	105.0	54.8	13,270	115.0	51.8	11,410	115.0	49.6	10,330*	120.0	47.1	9,390	125.0	44.5	8,810	130.0	41.8	8,280	135.0	38.8	7,800			
100.0	49.1	12,100	110.0	48.2	10,640	120.0	46.1	10,200*	120.0	43.2	9,590	125.0	40.2	9,010	130.0	36.8	8,480	135.0	33.2	7,800*	140.0	30.3	7,100*			
105.0	46.3	11,260	115.0	45.3	9,920	125.0	43.2	9,590	130.0	40.2	9,010	135.0	37.7	8,090*	140.0	35.5	7,400*	145.0	33.3	6,710*	150.0	31.1	6,020*			
110.0	43.3	10,510	120.0	42.5	9,300	130.0	39.4	8,730	135.0	37.7	8,090*	140.0	35.5	7,400*	145.0	33.3	6,710*	150.0	31.1	6,020*	155.0	28.9	5,330*			
115.0	39.9	9,780	125.0	39.4	8,730	135.0	36.1	8,200	140.0	34.0	7,520*	145.0	31.7	6,830*	150.0	29.5	6,140*	155.0	27.3	5,450*	160.0	25.1	4,760*			
120.0	36.5	9,170	130.0	36.1	8,200	140.0	34.0	7,520*	145.0	31.7	6,830*	150.0	29.5	6,140*	155.0	27.3	5,450*	160.0	25.1	4,760*	165.0	22.9	4,070*			
125.0	32.7	8,420*	135.0	32.5	7,420*	145.0	30.3	6,730*	150.0	28.1	6,040*	155.0	25.9	5,350*	160.0	23.7	4,660*	165.0	21.5	3,970*	170.0	19.3	3,280*			
Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1				

Note: Designed and rated to comply with ANSI Code B30.5
 Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
 Refer to notes on page 21.

CK1100G-3 LIFTING CHART

Fixed Jib Lift Capacity (without main hook)

Counterweights : 69,100 lbs Carbody weights : 31,800 lbs

120' Boom																										
30 ft Jib						40 ft Jib						50 ft Jib						60 ft Jib								
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)								
10			30			10			30			10			30			10			30					
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)			
36.0	79.7	24,000*				40.0	79.9	24,000*				45.0	79.5	20,000*				50.0	78.9	18,000*						
38.0	79.0	24,000*				45.0	78.1	24,000*				50.0	77.7	20,000*				55.0	77.2	18,000*						
40.0	78.2	24,000*				50.0	76.2	24,000*				55.0	75.9	20,000*				60.0	75.5	17,720*						
45.0	76.3	24,000*	45.0	79.7	21,000*	55.0	74.3	24,000*	55.0	78.5	14,880*	60.0	74.2	20,000*	60.0	79.2	11,330*	65.0	73.9	16,460*	65.0	79.7	9,080*			
50.0	74.3	24,000*	50.0	77.7	21,000*	60.0	72.4	24,000*	60.0	76.6	14,240*	65.0	72.4	19,240*	65.0	77.4	10,860*	70.0	72.2	15,380*	70.0	78.0	8,700*			
55.0	72.2	24,000*	55.0	75.6	20,560*	65.0	70.5	22,240	65.0	74.7	13,690*	70.0	70.6	18,010*	70.0	75.6	10,420*	75.0	70.4	14,390*	75.0	76.1	8,350*			
60.0	70.2	24,000*	60.0	73.5	19,680*	70.0	68.6	20,100	70.0	72.7	13,160*	75.0	68.7	16,840*	75.0	73.6	10,030*	80.0	68.7	13,550*	80.0	74.4	8,040*			
65.0	68.2	21,970	65.0	71.4	18,910*	75.0	66.5	18,160	75.0	70.6	12,670*	80.0	66.8	15,890*	80.0	71.7	9,670*	85.0	67.0	12,780*	85.0	72.6	7,730*			
70.0	66.1	19,860	70.0	69.3	18,180*	80.0	64.5	16,620	80.0	68.5	12,250*	85.0	65.0	15,030*	85.0	69.7	9,340*	90.0	65.2	12,120*	90.0	70.7	7,470*			
75.0	63.9	17,940	75.0	67.0	17,500*	85.0	62.5	15,250	85.0	66.4	11,860*	90.0	63.1	14,190	90.0	67.8	9,060*	95.0	63.3	11,480*	95.0	68.7	7,230*			
80.0	61.7	16,400	80.0	64.8	16,790	90.0	60.5	14,040	90.0	64.3	11,500*	95.0	61.0	13,050	95.0	65.6	8,770*	100.0	61.5	10,930*	100.0	66.8	7,010*			
85.0	59.5	15,050	85.0	62.6	15,410	95.0	58.2	12,910	95.0	62.0	11,170*	100.0	59.0	12,100	100.0	63.6	8,500*	105.0	59.6	10,420*	105.0	64.9	6,790*			
90.0	57.3	13,860	90.0	60.2	14,170	100.0	56.0	11,970	100.0	59.7	10,860*	105.0	57.0	11,260	105.0	61.4	8,280*	110.0	57.7	9,960*	110.0	62.9	6,610*			
95.0	54.8	12,740	95.0	57.7	13,020	105.0	53.8	11,130	105.0	57.4	10,600*	110.0	54.9	10,490	110.0	59.3	8,060*	115.0	55.6	9,520*	115.0	60.7	6,410*			
100.0	52.4	11,790	100.0	55.2	12,050	110.0	51.5	10,360	110.0	55.0	10,360*	115.0	52.6	9,740	115.0	56.8	7,870*	120.0	53.6	9,140*	120.0	58.6	6,260*			
105.0	49.9	10,950	105.0	52.6	11,170	115.0	48.9	9,630	115.0	52.3	9,870	120.0	50.4	9,100	120.0	54.5	7,690*	125.0	51.5	8,610	125.0	56.4	6,100*			
110.0	47.3	10,200				120.0	46.5	8,990				125.0	48.1	8,530	125.0	52.1	7,530*	130.0	49.3	8,060	130.0	54.1	5,970*			
115.0	44.4	9,470				125.0	43.8	8,420				130.0	45.6	8,000				135.0	47.1	7,580	135.0	51.7	5,860*			
120.0	41.6	8,860				130.0	41.1	7,890				135.0	43.1	7,510				140.0	44.6	7,090						
125.0	38.5	8,280				135.0	38.1	7,420				140.0	40.3	7,030				145.0	42.2	6,670						
130.0	35.2	7,690*				140.0	34.7	6,700*				145.0	37.4	6,540*				150.0	39.6	6,300						
135.0	31.6	6,830*										150.0	34.3	5,880*				155.0	36.8	5,730*						
																		160.0	33.6	5,090*						
Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1				

130' Boom																										
30 ft Jib						40 ft Jib						50 ft Jib						60 ft Jib								
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)								
10			30			10			30			10			30			10			30					
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)			
38.0	79.7	24,000*				45.0	78.8	24,000*				45.0	80.0	20,000*				50.0	79.5	18,000*						
40.0	79.0	24,000*				50.0	77.1	24,000*				50.0	78.4	20,000*				55.0	77.9	18,000*						
45.0	77.1	24,000*				55.0	75.2	24,000*				55.0	76.7	20,000*				60.0	76.3	18,000*						
50.0	75.3	24,000*	50.0	78.5	21,000*	60.0	73.5	24,000*	60.0	77.5	14,500*	60.0	75.1	20,000*	60.0	79.9	11,480*	65.0	74.8	17,100*						
55.0	73.4	24,000*	55.0	76.5	20,980*	65.0	71.7	22,000	65.0	75.7	13,930*	65.0	73.4	20,000*	65.0	78.2	11,020*	70.0	73.2	16,000*	70.0	78.7	8,840*			
60.0	71.5	24,000*	60.0	74.6	20,120*	70.0	69.9	19,860	70.0	73.8	13,420*	70.0	71.7	18,760*	70.0	76.5	10,620*	75.0	71.5	14,960*	75.0	76.9	8,480*			
65.0	69.6	21,730	65.0	72.7	19,350*	75.0	68.0	17,920	75.0	71.8	12,940*	75.0	69.9	17,570*	75.0	74.6	10,200*	80.0	69.9	14,100*	80.0	75.3	8,170*			
70.0	67.7	19,620	70.0	70.7	18,650*	80.0	66.2	16,350	80.0	69.9	12,520*	80.0	68.2	16,530	80.0	72.8	9,850*	85.0	68.3	13,330*	85.0	73.6	7,890*			
75.0	65.6	17,680	75.0	68.6	17,960*	85.0	64.3	14,990	85.0	68.0	12,140*	85.0	66.5	15,160	85.0	71.0	9,540*	90.0	66.6	12,630*	90.0	71.9	7,620*			
80.0	63.7	16,130	80.0	66.6	16,600	90.0	62.4	13,800	90.0	66.1	11,770*	90.0	64.7	13,950	90.0	69.2	9,230*	95.0	64.8	11,970*	95.0	70.0	7,360*			
85.0	61.6	14,790	85.0	64.5	15,180	95.0	60.3	12,650	95.0	63.9	11,440*	95.0	62.8	12,800	95.0	67.2	8,950*	100.0	63.1	11,410*	100.0	68.3	7,140*			
90.0	59.6	13,600	90.0	62.4	13,950	100.0	58.3	11,700	100.0	61.9	11,130*	100.0	61.0	11,860	100.0	65.3	8,700*	105.0	61.4	10,890*	105.0	66.5	6,940*			
95.0	57.3	12,470	95.0	60.1	12,780	105.0	56.3	10,860	105.0	59.8	10,860*	105.0	59.1	11,000	105.0	63.4	8,480*	110.0	59.6	10,310	110.0	64.6	6,740*			
100.0	55.2	11,530	100.0	57.9	11,810	110.0	54.2	10,090	110.0	57.6	10,420	110.0	57.2	10,220	110.0	61.4	8,260*	115.0	57.7	9,560	115.0	62.6	6,560*			
105.0	52.9	10,690	105.0	55.6	10,950	115.0	51.9	9,360	115.0	55.2	9,650	115.0	55.1	9,470	115.0	59.2	8,040*	120.0	55.9	8,920	120.0	60.7	6,390*			
110.0	50.6	9,940	110.0	53.2	10,160	120.0	49.7	8,730	120.0	52.9	8,990	120.0	53.1	8,840	120.0	57.1	7,870*	125.0	54.0	8,350	125.0	58.7	6,230*			
115.0	48.1	9,210				125.0	47.4	8,150				125.0	51.0	8,260	125.0	54.9	7,710*	130.0	52.0	7,820	130.0	56.6	6,100*			
120.0	45.6	8,570				130.0	45.0	7,620				130.0	48.8	7,730	130.0	52.6	7,560*	135.0	50.0	7,310	135.0	54.5	5,970*			
125.0	43.0	8,020				135.0	42.5	7,140				135.0	46.6	7,250				140.0	47.8	6,830	140.0	52.2	5,860*			
130.0	40.2	7,490				140.0	39.6	6,670				140.0	44.1	6,760				145.0	45.6	6,410						
135.0	37.3	6,940*				145.0	36.8	6,040*				145.0	41.7	6,340				150.0	43.3	6,040						
140.0	33.9	6,150*				150.0	33.7	5,370*				150.0	39.1	5,860*				155.0	41.0	5,620*						
												155.0	36.3	5,260*				160.0	38.3	5,040*						
												160.0	33.1	4,650*				165.0	35.6	4,540*						
																		170.0	32.7	4,010*						
Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1				

Fixed Jib Lift Capacity (without main hook)

Counterweights : 69,100 lbs Carbody weights : 31,800 lbs

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

150' Boom																										
30 ft Jib						40 ft Jib						50 ft Jib						60 ft Jib								
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)								
10			30			10			30			10			30			10			30					
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)			
45.0	78.6	24,000*				45.0	80.0	24,000*				50.0	79.6	20,000*				55.0	79.1	18,000*						
50.0	77.0	24,000*	50.0	79.9	21,000*	50.0	78.5	24,000*				55.0	78.1	20,000*				60.0	77.7	18,000*						
55.0	75.3	24,000*	55.0	78.1	21,000*	55.0	76.8	24,000*				60.0	76.6	20,000*				65.0	76.3	18,000*						
60.0	73.6	23,800	60.0	76.4	20,890*	60.0	75.3	24,000*	60.0	78.9	14,920*	65.0	75.1	20,000*	65.0	79.4	11,330*	70.0	74.9	17,120*	70.0	79.9	9,060*			
65.0	72.0	21,270	65.0	74.8	20,150*	65.0	73.7	21,580	65.0	77.3	14,390*	70.0	73.7	19,640	70.0	77.9	10,930*	75.0	73.4	16,040*	75.0	78.3	8,700*			
70.0	70.3	19,150	70.0	73.1	19,440*	70.0	72.1	19,420	70.0	75.7	13,910*	75.0	72.1	17,680	75.0	76.3	10,530*	80.0	71.9	15,160*	80.0	76.8	8,420*			
75.0	68.5	17,210	75.0	71.2	17,810	75.0	70.5	17,480	75.0	73.9	13,420*	80.0	70.5	16,090	80.0	74.7	10,200*	85.0	70.5	14,350*	85.0	75.3	8,130*			
80.0	66.8	15,670	80.0	69.5	16,200	80.0	68.8	15,890	80.0	72.3	13,000*	85.0	69.0	14,700	85.0	73.1	9,870*	90.0	69.0	13,620	90.0	73.8	7,890*			
85.0	65.1	14,300	85.0	67.7	14,790	85.0	67.2	14,520	85.0	70.6	12,630*	90.0	67.5	13,490	90.0	71.5	9,590*	95.0	67.4	12,450	95.0	72.2	7,620*			
90.0	63.3	13,110	90.0	65.9	13,530	90.0	65.6	13,310	90.0	68.9	12,270*	95.0	65.8	12,340	95.0	69.8	9,300*	100.0	65.9	11,500	100.0	70.6	7,400*			
95.0	61.4	11,990	95.0	63.9	12,360	95.0	63.8	12,190	95.0	67.1	11,920*	100.0	64.2	11,390	100.0	68.2	9,060*	105.0	64.4	10,640	105.0	69.1	7,200*			
100.0	59.6	11,040	100.0	62.1	11,390	100.0	62.1	11,240	100.0	65.3	11,610*	105.0	62.6	10,530	105.0	66.5	8,810*	110.0	62.9	9,850	110.0	67.5	7,010*			
105.0	57.7	10,200	105.0	60.2	10,510	105.0	60.3	10,380	105.0	63.5	10,820	110.0	60.9	9,760	110.0	64.8	8,590*	115.0	61.2	9,100	115.0	65.7	6,830*			
110.0	55.8	9,430	110.0	58.2	9,720	110.0	58.6	9,610	110.0	61.7	10,030	115.0	59.1	9,010	115.0	62.9	8,390*	120.0	59.6	8,460	120.0	64.1	6,650*			
115.0	53.7	8,700	115.0	56.1	8,970	115.0	56.7	8,860	115.0	59.7	9,230	120.0	57.4	8,370	120.0	61.2	8,200*	125.0	58.0	7,870	125.0	62.4	6,500*			
120.0	51.7	8,090	120.0	54.0	8,310	120.0	54.8	8,240	120.0	57.8	8,570	125.0	55.7	7,780	125.0	59.3	8,020*	130.0	56.3	7,340	130.0	60.7	6,370*			
125.0	49.6	7,510	125.0	51.8	7,710	125.0	52.9	7,670	125.0	55.8	7,950	130.0	53.9	7,250	130.0	57.5	7,620	135.0	54.6	6,830	135.0	58.9	6,210*			
130.0	47.5	6,980				130.0	51.0	7,140	130.0	53.8	7,400	135.0	52.0	6,740	135.0	55.6	7,090	140.0	52.8	6,340	140.0	57.0	6,080*			
135.0	45.3	6,500				135.0	49.0	6,630				140.0	50.0	6,260	140.0	53.4	6,590	145.0	51.0	5,930	145.0	55.1	5,970*			
140.0	42.8	6,010*				140.0	46.7	6,170				145.0	48.1	5,840				150.0	49.2	5,530	150.0	53.1	5,880			
145.0	40.3	5,420*				145.0	44.6	5,750				150.0	46.0	5,460				155.0	47.3	5,150*						
150.0	37.8	4,820*				150.0	42.3	5,220*				155.0	43.9	4,980*				160.0	45.2	4,670*						
155.0	35.0	4,250*				155.0	39.9	4,690*				160.0	41.6	4,450*				165.0	43.1	4,230*						
160.0	31.8	3,650*				160.0	37.3	4,140*				165.0	39.3	3,990*				170.0	41.0	3,790*						
						165.0	34.6	3,610*				170.0	36.8	3,520*				175.0	38.							

CK1100G-3 LIFTING CHART

Fixed Jib Lift Capacity (without main hook)

Counterweights : 69,100 lbs Carbody weights : 31,800 lbs

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

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

Note: Designed and rated to comply with ANSI Code B30.5
Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
Refer to notes on page 21.

Fixed Jib Lift Capacity (without main hook)

Counterweights : 69,100 lbs Carbody weights : 31,800 lbs

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

190' Boom																	
30 ft Jib						40 ft Jib						50 ft Jib					
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)					
10			30			10			30			10			30		
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
50.0	79.4	19,440*				55.0	79.2	18,950*				60.0	78.9	18,470*			
55.0	78.0	19,020*				60.0	77.9	18,560*				65.0	77.7	18,070*			
60.0	76.7	18,620*	60.0	79.0	18,250*	65.0	76.6	18,160*	65.0	79.6	15,100*	70.0	76.5	17,700*			
65.0	75.4	18,250*	65.0	77.7	17,870*	70.0	75.4	17,810*	70.0	78.3	14,660*	75.0	75.2	16,930	75.0	78.7	11,040*
70.0	74.0	17,870*	70.0	76.3	17,520*	75.0	74.0	16,710	75.0	76.9	14,190*	80.0	73.9	15,320	80.0	77.5	10,730*
75.0	72.6	16,420	75.0	74.9	17,150	80.0	72.7	15,120	80.0	75.6	13,800*	85.0	72.7	13,930	85.0	76.2	10,420*
80.0	71.2	14,850	80.0	73.5	15,520	85.0	71.4	13,730	85.0	74.3	13,420*	90.0	71.4	12,690	90.0	74.9	10,160*
85.0	69.9	13,490	85.0	72.1	14,080	90.0	70.1	12,520	90.0	72.9	13,090*	95.0	70.1	11,550	95.0	73.5	9,870*
90.0	68.5	12,270	90.0	70.7	12,850	95.0	68.7	11,370	95.0	71.5	12,050	100.0	68.8	10,580	100.0	72.2	9,630*
95.0	67.0	11,150	95.0	69.2	11,660	100.0	67.3	10,420	100.0	70.1	11,040	105.0	67.5	9,720	105.0	70.9	9,410*
100.0	65.6	10,200	100.0	67.7	10,670	105.0	66.0	9,540	105.0	68.7	10,140	110.0	66.2	8,920	110.0	69.6	9,190*
105.0	64.1	9,340	105.0	66.3	9,780	110.0	64.6	8,770	110.0	67.3	9,320	115.0	64.8	8,170	115.0	68.1	8,810
110.0	62.7	8,570	110.0	64.8	8,970	115.0	63.1	8,020	115.0	65.8	8,530	120.0	63.5	7,510	120.0	66.7	8,130
115.0	61.1	7,840	115.0	63.2	8,200	120.0	61.7	7,380	120.0	64.3	7,840	125.0	62.1	6,900*	125.0	65.3	7,490
120.0	59.6	7,200	120.0	61.7	7,530	125.0	60.3	6,790	125.0	62.9	7,230	130.0	60.8	6,300*	130.0	63.9	6,870*
125.0	58.1	6,630	125.0	60.1	6,940	130.0	58.8	6,190*	130.0	61.4	6,650	135.0	59.4	5,750*	135.0	62.5	6,300*
130.0	56.6	6,040*	130.0	58.5	6,370	135.0	57.4	5,640*	135.0	59.9	6,080*	140.0	57.9	5,200*	140.0	60.9	5,730*
135.0	55.0	5,460*	135.0	56.9	5,790*	140.0	55.8	5,070*	140.0	58.2	5,510*	145.0	56.4	4,710*	145.0	59.5	5,220*
140.0	53.3	4,890*	140.0	55.2	5,220*	145.0	54.2	4,580*	145.0	56.6	4,980*	150.0	55.0	4,250*	150.0	57.9	4,730*
145.0	51.6	4,380*	145.0	53.5	4,690*	150.0	52.7	4,120*	150.0	55.0	4,490*	155.0	53.5	3,810*	155.0	56.4	4,290*
150.0	50.0	3,920*	150.0	51.8	4,210*	155.0	51.0	3,680*	155.0	53.4	4,030*	160.0	51.8	3,370*	160.0	54.7	3,830*
155.0	48.2	3,460*				160.0	49.3	3,210*				165.0			165.0	53.1	3,410*
Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1	

Note: Designed and rated to comply with ANSI Code B30.5
Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
Refer to notes on page 21.

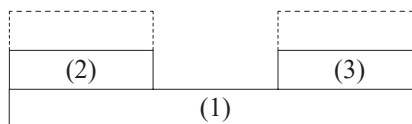
Clamshell

- 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 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 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.
 - Crawlers must be fully extended and be locked in position.
 - The crane must be leveled to within 1% on a firm supporting surface.
 - 43,700 lbs counterweights and without carbody weights.
- Do not attempt to lift where no rating 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 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.
- Bucket weight must also be decreased according to operating cycle and bucket lowering height. Rated loads are determined by stability and boom strength. During simultaneous operations of boom and swing, rapid acceleration or deceleration must be avoided. Do not attempt to cast the bucket while swinging or diagonal draw-cutting.
- The boom should be erected over the front of the crawlers, not laterally.

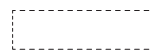
- Least stable position is over the side.
- Maximum hoist load for number of reeving parts of line for hoist rope.

No. of Parts of line	1
Maximum Loads (lbs)	22,000

- Assembling the counterweight
 - 43,700 lbs Counterweight (No.1 to No.3)
 - Without carbody counterweight.



COUNTERWEIGHTS



CARBODY WEIGHTS

- 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.

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

Clamshell

Boom :

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

Basic boom length : 40 ft (12.2 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
40 (12.2)	Base-Tip
50 (15.2)	Base-A-Tip
60 (18.3)	Base-A-A-Tip, Base-B-Tip
70 (21.3)	Base-A-B-Tip
80 (24.4)	Base-A-A-B-Tip, Base-D-Tip, Base-B-B-Tip
90 (27.4)	Base-A-B-B-Tip, Base-A-D-Tip
100 (30.5)	Base-A-A-B-B-Tip, Base-A-A-D-Tip, Base-B-D-Tip
110 (33.5)	Base-A-B-D-Tip
120 (36.6)	Base-A-A-B-D-Tip, Base-C-D-Tip, Base-B-B-D-Tip

Base = Boom Base

Insert : A = 10 ft (3.0 m)

B = 20 ft (6.1 m)

C = 40 ft (12.2 m)

D = 40 ft (12.2 m) with Lug

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 : 43,700 lbs Without carbody weights

40' Boom			50' Boom			60' 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)
22.0	63.7	22,000 *	26.0	64.3	22,000 *	30.0	64.6	22,000 *
24.0	60.5	22,000 *	28.0	61.7	22,000 *	32.0	62.5	22,000 *
26.0	57.1	22,000 *	30.0	59.0	22,000 *	34.0	60.3	21,400 *
28.0	53.5	22,000 *	32.0	56.3	22,000 *	36.0	58.1	20,200 *
30.0	49.8	22,000 *	34.0	53.5	21,400 *	38.0	55.8	19,200 *
32.0	45.9	22,000 *	36.0	50.5	20,200 *	40.0	53.4	18,200 *
34.0	41.7	21,400 *	38.0	47.4	19,200 *	42.0	51.0	17,300 *
36.0	37.0	20,200 *	40.0	44.2	18,200 *	44.0	48.4	16,500 *
38.0	31.8	19,200 *	42.0	40.7	17,300 *	46.0	45.8	15,800 *
40.0	25.7	18,200 *	44.0	37.0	16,500 *	48.0	43.0	15,200 *
			46.0	32.9	15,800 *	50.0	40.1	14,600 *
			48.0	28.3	15,200 *	52.0	37.0	14,000 *
						54.0	33.6	13,500 *
						56.0	29.9	13,000 *
						58.0	25.7	12,500 *

Refer to notes on page 30.

Clamshell

70' Boom			80' Boom			90' Boom		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
34.0	64.9	21,400 *	38.0	65.1	19,200 *	42.0	65.2	17,300 *
36.0	63.1	20,200 *	40.0	63.5	18,200 *	44.0	63.8	16,500 *
38.0	61.2	19,200 *	42.0	61.9	17,300 *	46.0	62.4	15,800 *
40.0	59.3	18,200 *	44.0	60.2	16,500 *	48.0	60.9	15,200 *
42.0	57.4	17,300 *	46.0	58.6	15,800 *	50.0	59.5	14,600 *
44.0	55.4	16,500 *	48.0	56.9	15,200 *	52.0	58.0	14,000 *
46.0	53.4	15,800 *	50.0	55.1	14,600 *	54.0	56.4	13,500 *
48.0	51.3	15,200 *	52.0	53.3	14,000 *	56.0	54.9	13,000 *
50.0	49.1	14,600 *	54.0	51.5	13,500 *	58.0	53.3	12,500 *
52.0	46.9	14,000 *	56.0	49.6	13,000 *	60.0	51.7	12,100 *
54.0	44.6	13,500 *	58.0	47.7	12,500 *	62.0	50.0	11,700 *
56.0	42.2	13,000 *	60.0	45.7	12,100 *	64.0	48.3	11,400 *
58.0	39.6	12,500 *	62.0	43.7	11,700 *	66.0	46.6	11,000 *
60.0	37.0	12,100 *	64.0	41.5	11,400 *	68.0	44.8	10,700 *
62.0	34.1	11,700 *	66.0	39.3	11,000 *	70.0	43.0	10,400 *
64.0	31.0	11,400 *	68.0	37.0	10,700 *	72.0	41.0	10,100 *
66.0	27.6	11,000 *	70.0	34.5	10,400 *	74.0	39.0	9,700
			72.0	31.8	10,100 *	76.0	36.9	9,200
			74.0	28.9	9,800 *	78.0	34.7	9,000
			76.0	25.7	9,400 *	80.0	32.4	8,500
						82.0	29.9	8,300
						84.0	27.2	7,900
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)
46.0	65.4	15,800 *	56.0	62.0	11,900 *	56.0	64.5	11,400 *
48.0	64.1	15,200 *	58.0	60.8	11,700 *	58.0	63.4	11,300 *
50.0	62.8	14,600 *	60.0	59.6	11,600 *	60.0	62.3	11,200 *
52.0	61.5	14,000 *	62.0	58.3	11,300 *	62.0	61.3	11,000 *
54.0	60.2	13,500 *	64.0	57.1	11,100 *	64.0	60.2	10,800 *
56.0	58.8	13,000 *	66.0	55.8	10,800 *	66.0	59.0	10,600 *
58.0	57.5	12,500 *	68.0	54.6	10,400 *	68.0	57.9	10,200 *
60.0	56.1	12,100 *	70.0	53.3	10,100	70.0	56.8	9,900
62.0	54.7	11,700 *	72.0	52.0	9,700	72.0	55.6	9,500
64.0	53.3	11,400 *	74.0	50.6	9,300	74.0	54.5	9,100
66.0	51.8	11,000 *	76.0	49.2	8,900	76.0	53.3	8,800
68.0	50.4	10,700 *	78.0	47.8	8,500	78.0	52.1	8,400
70.0	48.8	10,300	80.0	46.4	8,200	80.0	50.8	8,100
72.0	47.3	9,900	82.0	45.0	7,900	82.0	49.6	7,700
74.0	45.7	9,400	84.0	43.4	7,500	84.0	48.3	7,400
76.0	44.1	9,000	86.0	41.9	7,200	86.0	47.0	7,100
78.0	42.4	8,800	88.0	40.3	7,000	88.0	45.7	6,800
80.0	40.6	8,300	90.0	38.6	6,800	90.0	44.3	6,600
82.0	38.8	8,100	92.0	36.9	6,600	92.0	42.9	6,400
84.0	36.9	7,700	94.0	35.1	6,400	94.0	41.5	6,200
86.0	35.0	7,400	96.0	33.3	6,200	96.0	40.0	6,000
88.0	32.9	7,200	98.0	31.3	5,900			

32

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 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.

- 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.
- Crawlers must be fully extended and be locked in position.
- 69,100 lbs Counterweight
Counterweights are fully installed.
- 31,800 lbs Carbody weight
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	30 ft	40 ft	50 ft	60 ft
Deduct (lbs)	420	Not Applicable			

When auxiliary sheave is used for 8 or 7 reeving parts of line, it is not required to deduct 420 lbs from rated loads.

- To install the jib is prohibited when the machine on the barge.
- The total load that can be lifted over an auxiliary sheave is the value for 420 lbs deducted from rated load for the boom without auxiliary sheave, but it should not exceed 24,000 lbs.
- Boom lengths that can attach auxiliary sheave are from 40 ft (12.2 m) to 190 ft (57.9 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.

Main Boom Hoist Loads

No. of Parts of line	1	2	4	5	6
Maximum Loads (lbs)	25,200	50,400	100,800	126,000	151,200

No. of Parts of line	7*	8*	*Use auxiliary sheave.
Maximum Loads (lbs)	176,400	220,000	

Auxiliary Hoist Loads

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

- Weight of recommended hook block.

Hook Block	110 USt	77 USt	55 USt	39 USt	BALL HOOK
Weight (lbs)	3,815	1,990	1,875	1,545	660



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.

- 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.

CK1100G-3 LIFTING CHART

Barge

Counterweights : 69,100 lbs Carbody weights : 31,800 lbs

40' Boom						50' Boom						60' 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
11.0	80.5	220,000 *				12.0	81.2	213,200 *				13.0	81.7	200,400 *			
12.0	79.0	213,300 *				13.0	80.0	200,600 *				14.0	80.7	187,400 *			
13.0	77.5	200,800 *				14.0	78.9	187,800 *				15.0	79.8	175,200 *			
14.0	76.0	188,100 *				15.0	77.7	175,600 *				16.0	78.8	164,800 *			
15.0	74.6	175,900 *	175,900 *			16.0	76.6	165,300 *				17.0	77.8	155,500 *			
16.0	73.1	165,500 *	165,500 *			17.0	75.4	156,000 *				18.0	76.8	146,900 *			
17.0	71.6	156,300 *	156,300 *	127,700 *		18.0	74.2	147,400 *	143,200 *			19.0	75.9	139,800 *	123,900 *		
18.0	70.1	147,800 *	146,400 *	126,100 *		19.0	72.9	140,100 *	132,200 *			20.0	74.9	132,200	118,100 *		
19.0	68.5	140,500 *	134,600 *	122,400 *		20.0	71.7	132,400	122,900			22.0	72.9	115,100	105,300		
20.0	66.9	132,800	124,900	116,500 *	100,300 *	22.0	69.3	115,300	106,800	98,500 *		24.0	70.9	100,800	93,000	81,600 *	
22.0	63.7	115,600	108,300	103,400	97,800 *	24.0	66.8	101,000	94,400	89,500 *	77,800 *	26.0	68.8	89,100	83,200	78,700	
24.0	60.4	101,300	95,600	92,000	88,400	26.0	64.3	89,400	84,500	80,700	75,600 *	28.0	66.7	80,500	75,300	71,600	63,000 *
26.0	57.0	89,600	85,600	82,700	79,900	28.0	61.7	80,700	76,400	73,400	70,700	30.0	64.6	72,800	68,700	65,700	61,500 *
28.0	53.4	80,900	77,400	75,100	72,900	30.0	59.1	73,000	69,700	67,200	64,900	32.0	62.5	66,600	63,200	60,600	58,400
30.0	49.8	73,300	70,600	68,700	67,000	32.0	56.3	67,000	63,900	61,900	60,000	34.0	60.3	61,600	58,400	56,200	54,400
32.0	45.8	67,200	64,800	63,400	62,000	34.0	53.4	62,000	59,100	57,400	55,900	36.0	58.0	57,300	54,200	52,400	50,800
34.0	41.2	61,700	60,000	58,900	57,800	36.0	50.3	57,800	55,000	53,600	52,300	38.0	55.7	53,100	50,600	49,100	47,700
36.0	36.2	56,600	55,700 *	54,700 *	53,700 *	38.0	47.3	53,600	51,400	50,100	49,000	40.0	53.4	49,300	47,500	46,100	44,900
38.0	31.1	51,500	51,000 *	49,700 *	48,400 *	40.0	44.0	49,800	48,100	47,200	46,300	42.0	50.9	46,600	44,600	43,500	42,400
40.0	25.4	45,900 *	44,800 *	43,600 *	42,500 *	42.0	40.4	47,000	45,400	44,600	43,800	44.0	48.3	43,800	42,100	41,100	40,200
						44.0	36.7	44,300	42,900	42,200	41,500	46.0	45.8	41,100	39,800	38,900	38,100
						46.0	62.9	41,500	40,600	40,000	39,500	48.0	42.8	39,200	37,700	37,000	36,300
						48.0	27.6	38,300	38,200 *	37,400 *	36,700 *	50.0	39.9	37,200	35,900	35,300	34,800
						50.0	22.3	35,100	34,800 *	33,900 *		55.0	31.2	32,900	31,900 *	31,500 *	31,100 *
												60.0	20.7	28,600 *			
Reeves		8	7	6	4	Reeves		8	6	4	4	Reeves		8	5	4	4
70' Boom						80' Boom						90' 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	81.3	151,000 *				16.0	81.6	151,000 *				17.0	81.9	125,800 *			
16.0	80.4	151,000 *				17.0	80.9	149,300 *				18.0	81.3	125,800 *			
17.0	79.6	149,400 *				18.0	80.2	146,500 *				19.0	80.7	125,800 *			
18.0	78.7	146,700 *				19.0	79.5	139,400 *				20.0	80.0	124,000 *			
19.0	77.9	139,800 *				20.0	78.8	131,800				22.0	78.7	112,500 *			
20.0	77.1	132,200				22.0	77.3	115,100				24.0	77.4	100,800			
22.0	75.4	115,400				24.0	75.8	101,000				26.0	76.1	89,100			
24.0	73.7	101,300	92,400			26.0	74.3	89,200	81,800			28.0	74.8	80,500	73,000 *		
26.0	72.0	89,600	82,800	68,700 *		28.0	72.8	80,500	74,100			30.0	73.5	72,800	66,900		
28.0	70.3	80,800	75,000	67,400 *		30.0	71.2	72,800	67,700	58,100 *		32.0	72.1	66,600	61,600	50,600 *	
30.0	68.5	73,000	68,500	65,000	53,600 *	32.0	69.7	66,600	62,200	57,100 *	46,400 *	34.0	70.8	61,600	56,900	49,600 *	
32.0	66.7	67,000	63,000	60,100	51,800 *	34.0	68.2	61,600	57,500	54,700	44,700 *	36.0	69.4	57,300	53,000	49,000 *	39,900 *
34.0	64.9	62,000	58,300	55,700	49,900 *	36.0	66.6	57,300	53,500	51,000	43,300 *	38.0	68.0	53,100	49,500	47,000	38,500 *
36.0	63.0	57,800	54,200	52,100	47,900 *	38.0	65.1	53,100	50,000	47,800	41,800 *	40.0	66.6	49,300	46,300	44,200	37,600 *
38.0	61.2	53,600	50,600	48,700	45,800	40.0	63.5	49,300	46,800	45,000	40,400 *	42.0	65.2	46,500	43,600	41,700	36,400 *
40.0	59.3	49,800	47,400	45,700	43,800	42.0	61.8	46,600	44,100	42,400	39,000 *	44.0	63.8	43,700	41,100	39,500	35,400 *
42.0	57.3	46,900	44,600	43,100	41,500	44.0	60.2	43,800	41,600	40,100	37,700	46.0	62.4	40,900	38,900	37,400	34,300
44.0	55.3	44,100	42,100	40,800	39,700	46.0	58.5	41,100	39,300	38,000	36,200	48.0	60.9	38,900	36,900	35,600	33,200
46.0	53.3	41,300	39,800	38,700	37,700	48.0	56.8	39,100	37,300	36,200	34,800	50.0	59.4	36,900	35,100	34,000	32,000
48.0	51.2	39,400	37,700	36,700	35,900	50.0	55.1	37,100	35,500	34,500	33,600	55.0	55.7	32,500	31,200	30,300	29,200
50.0	49.0	37,400	35,900	35,100	34,300	55.0	50.5	32,700	31,500	30,800	30,000	60.0	51.7	29,000	28,100	27,400	26,600
55.0	43.2	33,200	32,000	31,400	30,800	60.0	45.7	29,200	28,300	27,700	27,200	65.0	47.4	26,100	25,400	24,800	24,200
60.0	36.9	29,600	28,800	28,400	28,100	65.0	40.4	26,300	25,700	25,300	24,800	70.0	42.9	23,800	23,100	22,700	22,200
65.0	29.2	26,800	26,300 *	26,000 *	25,800 *	70.0	34.3	24,100	23,400	23,100	22,800	75.0	37.9	21,800	21,200	20,800	20,500
						75.0	26.9	22,100	21,500	21,300	21,100	80.0	32.2	20,100	19,600	19,300	19,100
												85.0	25.7	18,600	18,300	18,100	17,900
Reeves		6	4	4	4	Reeves		6	4	4	2	Reeves		5	4	4	2

Refer to notes on page 33.

Barge

Counterweights : 69,100 lbs Carbody weights : 31,800 lbs

100' Boom						110' Boom						120' 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
19.0	81.6	125,600 *				20.0	81.8	100,800 *				22.0	81.6	98,700 *			
20.0	81.0	123,600 *				22.0	80.8	100,800 *				24.0	80.6	94,200 *			
22.0	79.9	112,200 *				24.0	79.7	96,500 *				26.0	79.6	88,000 *			
24.0	78.7	100,600				26.0	78.6	88,500 *				28.0	78.6	79,900			
26.0	77.5	88,900				28.0	77.6	80,200				30.0	77.7	72,200			
28.0	76.3	80,200				30.0	76.5	72,400				32.0	76.7	66,100			
30.0	75.1	72,400				32.0	75.4	66,300				34.0	75.7	61,100	53,000 *		
32.0	74.0	66,300	60,800			34.0	74.3	61,300	55,900 *			36.0	74.7	56,800	51,300		
34.0	72.8	61,300	56,300			36.0	73.2	57,000	51,900			38.0	73.7	52,500	47,900		
36.0	71.6	57,000	52,300	43,500 *		38.0	72.2	52,700	48,600			40.0	72.7	48,700	45,000	33,900 *	
38.0	70.3	52,700	48,900	42,900 *		40.0	71.1	48,900	45,500	37,900 *		42.0	71.7	45,800	42,200	33,400 *	
40.0	69.1	48,900	45,800	42,400 *	34,800 *	42.0	70.0	46,200	42,900	37,500 *		44.0	70.7	43,000	39,800	33,000 *	
42.0	67.9	46,200	43,100	40,900 *	33,500 *	44.0	68.9	43,400	40,400	37,000 *	28,900 *	46.0	69.7	40,200	37,600	32,800 *	
44.0	66.6	43,400	40,700	38,800	32,500 *	46.0	67.8	40,700	38,200	36,200 *	28,600 *	48.0	68.6	38,300	35,600	32,300 *	
46.0	65.4	40,700	38,500	36,800	31,700 *	48.0	66.6	38,700	36,300	34,600	28,200 *	50.0	67.6	36,300	34,000	31,700 *	24,800 *
48.0	64.1	38,700	36,500	35,000	30,900 *	50.0	65.4	36,600	34,500	32,900	27,900 *	55.0	65.0	32,000	30,200	28,900	24,300 *
50.0	62.8	36,600	34,700	33,400	30,000 *	55.0	62.5	32,300	30,500	29,400	27,200 *	60.0	62.3	28,300	27,100	26,000	23,600 *
55.0	59.5	32,300	30,800	29,700	27,800 *	60.0	59.5	28,700	27,400	26,400	25,500	65.0	59.6	25,400	24,400	23,500	22,700
60.0	56.1	28,700	27,500	26,700	25,500	65.0	56.5	25,900	24,700	23,900	23,100	70.0	56.8	23,200	22,200	21,400	20,800
65.0	52.5	25,900	24,900	24,300	23,600	70.0	53.2	23,500	22,500	21,800	21,200	75.0	53.8	21,200	20,300	19,700	19,100
70.0	48.8	23,500	22,700	22,100	21,500	75.0	49.9	21,400	20,600	20,000	19,500	80.0	50.8	19,400	18,600	18,100	17,600
75.0	44.8	21,400	20,700	20,300	20,000	80.0	46.4	19,600	19,000	18,600	18,200	85.0	47.7	17,700	17,200	16,700	16,300
80.0	40.5	19,600	19,200	18,800	18,500	85.0	42.6	18,100	17,700	17,300	17,000	90.0	44.3	16,500	15,900	15,600	15,300
85.0	36.0	18,100	17,700	17,500	17,200	90.0	38.6	16,800	16,400	16,100	15,700	95.0	40.7	15,300	14,800	14,500	14,300
90.0	30.5	16,900	16,500	16,300	16,100	95.0	34.1	15,600	15,200	15,000	14,800	100.0	36.9	14,200	13,800	13,600	13,400
95.0	24.0	15,800	15,400	15,300	15,100	100.0	29.1	14,600	14,300	14,200	14,000	110.0	27.8	12,600	12,200	12,000	11,900
						105.0	23.2	13,770	13,500	13,300		115.0	22.2	11,840	11,500		
Reeves		5	4	2	2	Reeves		4	4	2	2	Reeves		4	4	2	2
130' Boom						140' Boom						150' 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
24.0	81.3	85,100 *				24.0	81.9	72,900 *				26.0	81.7	62,200 *			
26.0	80.4	83,900 *				26.0	81.1	71,800 *				28.0	80.9	61,300 *			
28.0	79.5	78,200 *				28.0	80.3	70,800 *				30.0	80.1	60,400 *			
30.0	78.6	71,900				30.0	79.4	69,000 *				32.0	79.4	59,400 *			
32.0	77.7	65,900				32.0	78.6	64,700 *				34.0	78.6	57,200 *			
34.0	76.9	60,900				34.0	77.8	60,500				36.0	77.8	54,100 *			
36.0	75.9	56,600				36.0	76.9	56,200				38.0	77.0	51,000 *			
38.0	75.0	52,300	46,400 *			38.0	76.1	52,000				40.0	76.3	48,000			
40.0	74.1	48,400	44,500			40.0	75.2	48,200	41,500 *			42.0	75.5	45,200	37,100 *		
42.0	73.2	45,600	41,700			42.0	74.4	45,400	40,600 *			44.0	74.7	42,400	36,600 *		
44.0	72.2	42,800	39,400	29,700 *		44.0	73.5	42,600	38,900			46.0	73.9	39,600	35,800 *		
46.0	71.3	40,000	37,200	29,400 *		46.0	72.7	39,800	36,800			48.0	73.1	37,500	34,500		
48.0	70.4	38,000	35,300	29,100 *		48.0	71.8	37,800	34,900			50.0	72.3	35,500	32,800	23,300 *	
50.0	69.4	36,000	33,600	28,700 *		50.0	71.0	35,800	33,200			55.0	70.3	31,200	29,000	22,700 *	
55.0	67.1	31,600	29,700	27,900 *	21,700 *	55.0	68.8	31,400	29,400	25,100 *	19,200 *	60.0	68.2	27,600	25,800	22,000 *	16,800 *
60.0	64.6	28,100	26,600	25,500	21,200 *	60.0	66.6	27,800	26,200	24,500 *	18,700 *	65.0	66.2	24,800	23,300	21,600 *	16,500 *
65.0	62.2	25,200	24,100	23,100	20,700 *	65.0	64.3	25,000	23,500	22,400 *	18,300 *	70.0	64.0	22,400	21,100	20,100 *	16,100 *
70.0	59.6	22,900	21,900	21,100	20,000 *	70.0	62.0	22,600	21,300	20,500	17,900 *	75.0	61.9	20,300	19,200	18,300	15,700 *
75.0	57.0	20,900	20,000	19,300	18,700	75.0	59.7	20,500	19,500	18,700	17,400 *	80.0	59.6	18,500	17,600	17,000	15,400 *
80.0	54.3	19,000	18,300	17,700	17,200	80.0	57.3	18,700	17,800	17,200	16,600	85.0	57.4	17,000	16,200	15,500	14,900 *
85.0	51.6	17,500	16,900	16,400	16,000	85.0	54.8	17,200	16,400	15,800	15,400	90.0	55.2	15,700	14,900	14,400	14,000
90.0	48.7	16,100	15,700	15,300	14,900	90.0	52.2	15,900	15,200	14,700	14,300	95.0	52.8	14,400	13,800	13,300	13,000
95.0	45.6	15,000	14,600	14,200	13,900	95.0	49.5	14,600	14,100	13,700	13,300	100.0	50.3	13,400	12,800	12,500	12,100
100.0	42.4	14,000	13,600	13,300	13,000	100.0	46.8	13,600	13,100	12,800	12,500	110.0	45.1	11,700	11,200	10,900	10,700
110.0	35.4	12,100	11,900	11,700	11,600	110.0	40.8	11,900	11,400	11,200	11,000	120.0	39.3	10,300	9,900	9,600	9,400
120.0	26.6	10,800	10,600	10,500	10,400	120.0	34.0	10,300	10,100	9,900	9,800	130.0	32.8	8,900	8,800	8,600	8,400
125.0	21.3	10,230	9,900			130.0	25.7	9,200	9,100	8,900	8,800	140.0	24.3	8,000	7,800	7,700	7,600
						135.0	20.5	8,830									
Reeves		4	2	2	2	Reeves		4	2	2	2	Reeves		4	2	2	2

Refer to notes on page 33.

CK1100G-3 LIFTING CHART

Barge

Counterweights : 69,100 lbs Carbody weights : 31,800 lbs

160' Boom						170' Boom						180' 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
28.0	81.5	50,200 *				30.0	81.3	44,500 *				30.0	81.8	39,300 *			
30.0	80.8	50,100 *				32.0	80.7	43,900 *				32.0	81.2	38,800 *			
32.0	80.1	49,700 *				34.0	80.0	43,200 *				34.0	80.5	38,200 *			
34.0	79.4	49,200 *				36.0	79.3	42,500 *				36.0	79.9	37,600 *			
36.0	78.6	48,500 *				38.0	78.6	41,900 *				38.0	79.2	37,000 *			
38.0	77.9	47,800 *				40.0	77.9	41,200 *				40.0	78.6	36,400 *			
40.0	77.2	46,600 *				42.0	77.2	40,600 *				42.0	77.9	35,800 *			
42.0	76.4	44,300 *				44.0	76.5	40,000 *				44.0	77.2	35,100 *			
44.0	75.6	42,100 *	32,200 *			46.0	75.8	39,300 *				46.0	76.6	34,500 *			
46.0	74.9	39,800	31,700 *			48.0	75.1	37,400 *	28,400 *			48.0	75.9	33,900 *			
48.0	74.1	37,800	31,300 *			50.0	74.4	35,400 *	28,100 *			50.0	75.3	33,300 *			
50.0	73.4	35,800	31,000 *			55.0	72.6	31,200	27,100 *	17,700 *		55.0	73.7	30,800 *	24,200 *		
55.0	71.5	31,400	28,900 *	20,000 *		60.0	70.9	27,600	25,400 *	17,300 *		60.0	72.0	27,400	22,900 *	15,300 *	
60.0	69.6	27,800	26,000	19,300 *		65.0	69.1	24,600	23,000	16,900 *		65.0	70.3	24,400	21,800 *	15,100 *	
65.0	67.7	25,000	23,400	18,900 *	14,400 *	70.0	67.3	22,300	20,900	16,400 *	12,400 *	70.0	68.6	21,900	20,400 *	14,600 *	10,800 *
70.0	65.8	22,600	21,200	18,500 *	14,000 *	75.0	65.4	20,300	19,000	16,000 *	12,200 *	75.0	66.9	19,900	18,700	14,200 *	10,600 *
75.0	63.8	20,500	19,300	18,000 *	13,700 *	80.0	63.5	18,500	17,400	15,600 *	11,800 *	80.0	65.2	18,100	17,100	13,800 *	10,400 *
80.0	61.8	18,700	17,700	16,900	13,400 *	85.0	61.6	16,800	16,000	15,300 *	11,500 *	85.0	63.4	16,600	15,700	13,500 *	10,000 *
85.0	59.7	17,000	16,300	15,600	13,100 *	90.0	59.7	15,400	14,700	14,000	11,300 *	90.0	61.6	15,200	14,400	12,900 *	9,700 *
90.0	57.6	15,700	15,000	14,300	12,800 *	95.0	57.8	14,300	13,600	13,200	11,100 *	95.0	59.8	14,000	13,200	12,200 *	9,500 *
95.0	55.4	14,500	13,900	13,500	12,400 *	100.0	55.8	13,300	12,600	12,100	10,800 *	100.0	57.9	12,900	12,300	11,600 *	9,300 *
100.0	53.2	13,500	12,900	12,400	12,000	110.0	51.5	11,500	10,900	10,600	10,100 *	110.0	54.0	11,100	10,600	10,300	8,500 *
110.0	48.6	11,700	11,100	10,900	10,600	120.0	47.0	9,800	9,600	9,300	9,000	120.0	49.9	9,600	9,100	8,800	7,700 *
120.0	43.6	10,100	9,800	9,600	9,300	130.0	42.2	8,700	8,400	8,200	8,000	130.0	45.6	8,500	8,000	7,700	6,900 *
130.0	38.1	8,900	8,600	8,500	8,300	140.0	36.8	7,700	7,300	7,100	7,000	140.0	40.9	7,400	7,000	6,900	6,000 *
140.0	31.6	7,900	7,800	7,600	7,500	150.0	30.5	6,800	6,500	6,400	6,200 *	150.0	35.7	6,500	6,200	6,000	5,000 *
150.0	23.7	7,100	6,900	6,800	6,700	160.0	23.2	5,900	5,800 *	5,800 *	5,100 *	160.0	29.7	5,600	5,400	5,000 *	4,200 *
												165.0	26.5	5,100	5,100	4,400 *	3,600 *
Reeves	2		2	2	2	Reeves		2	2	2	2	Reeves		2	2	2	2
190' Boom						200' Boom											
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						
32.0	81.6	34,400 *				34.0	81.5	30,300 *									
34.0	81.0	33,800 *				36.0	80.9	29,700 *									
36.0	80.4	33,300 *				38.0	80.3	29,200 *									
38.0	79.8	32,700 *				40.0	79.7	28,700 *									
40.0	79.2	32,200 *				42.0	79.1	28,200 *									
42.0	78.6	31,700 *				44.0	78.6	27,700 *									
44.0	78.0	31,100 *				46.0	78.0	27,300 *									
46.0	77.4	30,600 *				48.0	77.4	26,800 *									
48.0	76.7	30,100 *				50.0	76.8	26,300 *									
50.0	76.1	29,600 *				55.0	75.3	24,900 *									
55.0	74.5	28,100 *	21,700 *			60.0	73.8	23,200 *	18,200 *								
60.0	73.0	26,200 *	20,600 *			65.0	72.4	21,500 *	17,100 *	11,700 *							
65.0	71.4	24,000 *	19,500 *	13,300 *		70.0	70.9	20,000 *	16,100 *	11,300 *							
70.0	69.8	21,800	18,400 *	13,100 *		75.0	69.3	18,500 *	15,100 *	11,000 *							
75.0	68.2	19,900	17,300 *	12,700 *	9,200 *	80.0	67.8	17,100 *	14,100 *	10,600 *	7,700 *						
80.0	66.5	18,000	16,200 *	12,400 *	9,000 *	85.0	66.2	15,900 *	13,300 *	10,100 *	7,500 *						
85.0	64.9	16,400	15,300 *	11,900 *	8,800 *	90.0	64.6	14,700	12,400 *	9,500 *	7,200 *						
90.0	63.2	15,000	14,100	11,300 *	8,600 *	95.0	63.0	13,500	11,700 *	9,000 *	7,000 *						
95.0	61.5	13,900	13,000	10,600 *	8,400 *	100.0	61.4	12,400	11,000 *	8,400 *	6,800 *						
100.0	59.7	12,900	12,000	10,000 *	8,200 *	110.0	58.1	10,600	9,500 *	7,400 *	6,000 *						
110.0	56.2	11,000	10,400	8,900 *	7,400 *	120.0	54.6	9,200	8,200 *	6,500 *	5,200 *						
120.0	52.5	9,400	9,100	7,900 *	6,500 *	130.0	51.1	7,800	7,100 *	5,600 *	4,500 *						
130.0	48.5	8,200	7,800	6,800 *	5,700 *	140.0	47.2	6,500	5,900 *	4,600 *	3,700 *						
140.0	44.3	7,200	6,800	5,900 *	4,900 *	150.0	43.1	5,200 *	4,900 *	3,700 *	3,100 *						
150.0	39.7	6,300	5,900	5,100 *	4,100 *	155.0	41.0	4,650 *	4,400 *	3,500 *							
160.0	34.8	5,300	5,100 *	4,000 *	3,400 *												
165.0	32.1	4,650	4,600 *	3,600 *													
Reeves		2	2	2	2	Reeves		2	2	2	2						

Refer to notes on page 33.

NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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KOBELCO CONSTRUCTION MACHINERY CO., LTD.

5-15, Kitashinagawa 5-chome, Shinagawa-ku, Tokyo 141-8626 JAPAN

Tel : +81-3-5789-2121 Fax : +81-3-5789-3372

URL : <https://www.kobelcocm-global.com/>

Inquiries To :

KOBELCO CONSTRUCTION MACHINERY U.S.A. INC.

22350 Merchants Way Katy, TX 77449

Tel : +1-281-888-8430

URL : <http://kcmu-cranes.com/home/>

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