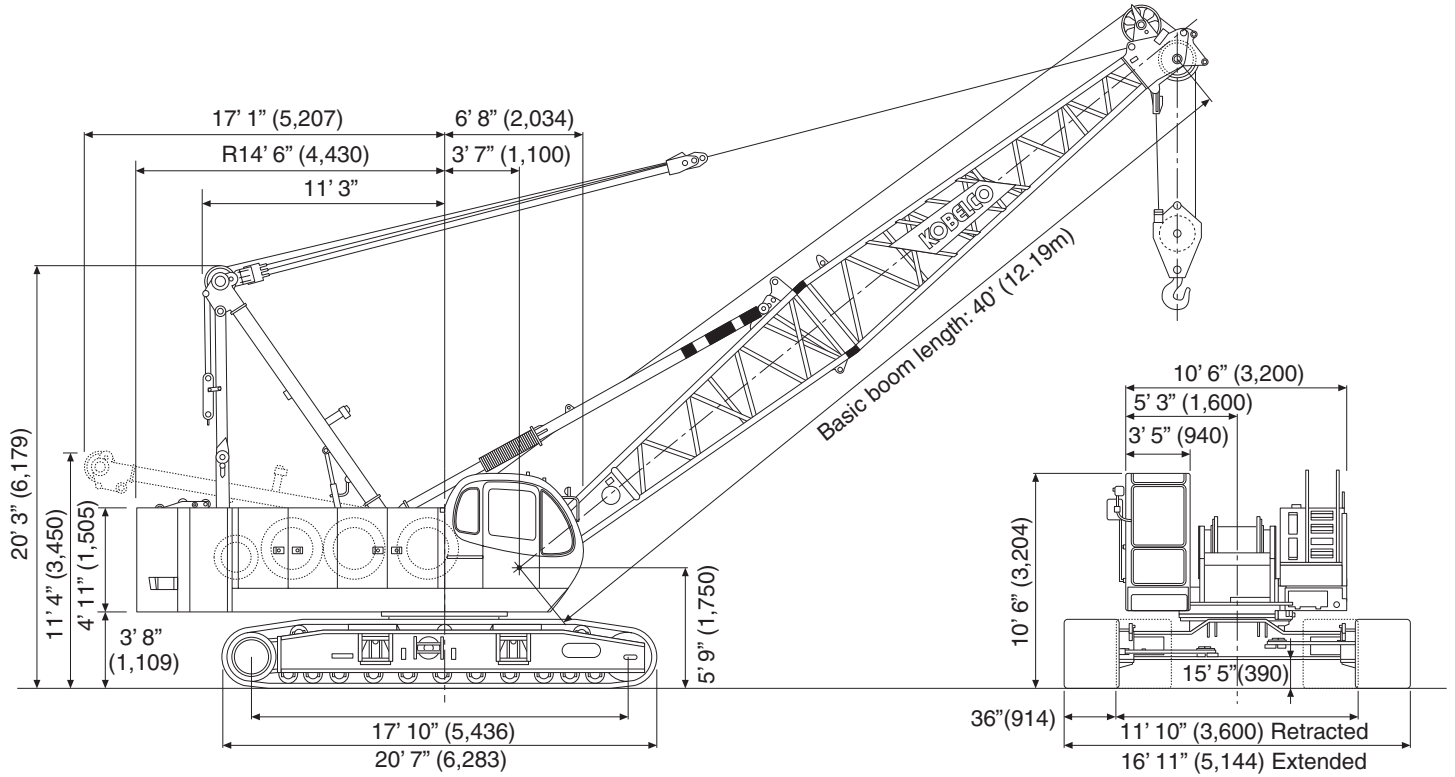


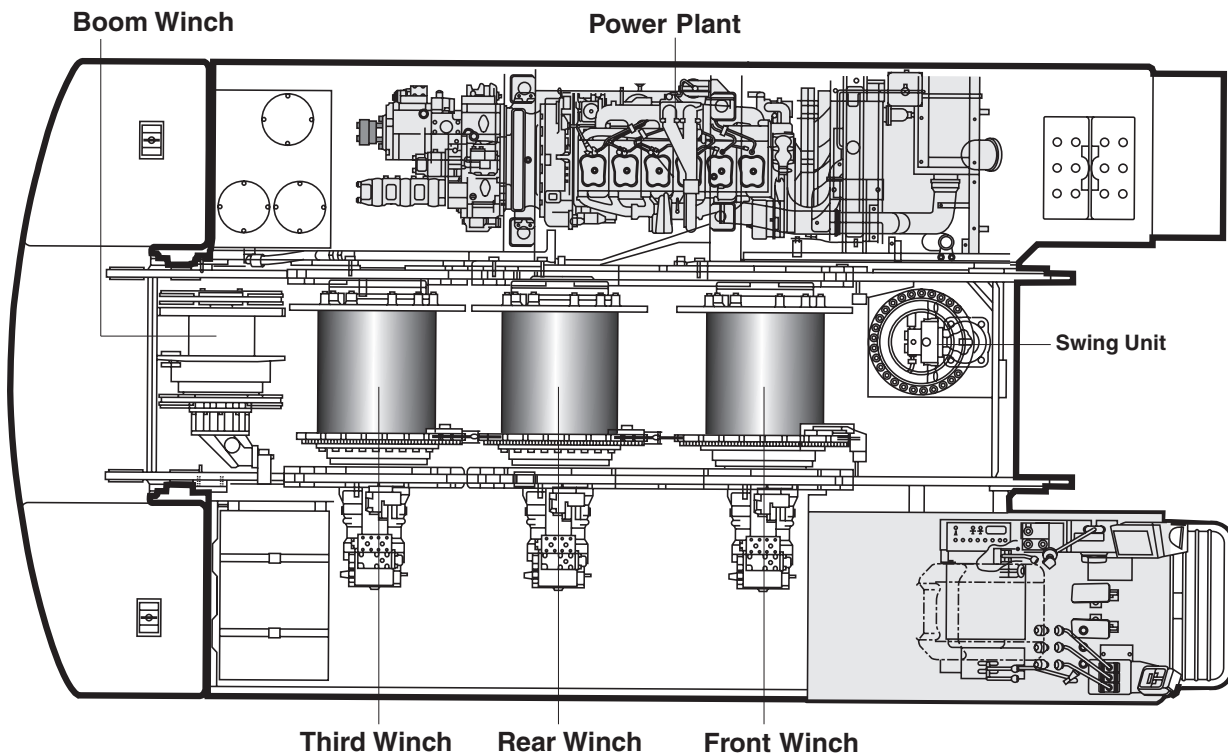
**Kobelco CK1000 Crawler Crane  
Load Charts & Specifications**

# GENERAL DIMENSIONS

Unit: ft-in(mm)



# UPPER MACHINERY LAYOUT



# SPECIFICATIONS

## UPPER MACHINERY



### Power plant

<b>Model</b> .....	Mitsubishi 6D24-TEG
<b>Type</b> .....	Water-cooled diesel, direct fuel injection with turbocharger
<b>No. of cylinder</b> .....	6
<b>Bore and stroke</b> .....	5.1" x 5.9" (130 mm x 150 mm)
<b>Displacement</b> .....	729 cu in (11.945 liters)
<b>Rated power</b> .....	265 HP (198 kW) Net at 2,000 rpm (SAE J 1349)
<b>Max. torque</b> .....	784 lb•ft (1,059 N•m) Net at 1,400 rpm (SAE J 1349)
<b>Cooling system</b> .....	Liquid, recirculating bypass
<b>Starter</b> .....	24 V, 5.5 kW
<b>Alternator</b> .....	24 V, 80 AMP
<b>Cycles</b> .....	4
<b>Radiator</b> .....	Corrugated type core, thermostatically controlled
<b>Air cleaner</b> .....	Dry type with replaceable paper element
<b>Fuel tank capacity</b> .....	105 US gal (400 liters)
<b>Batteries</b> .....	Two 12V, 150 AH capacity batteries, connected in parallel



### Hydraulic System

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

**Control:** Full-flow hydraulic control system for constant variable pressure to front and rear drums, boom hoist brakes and clutches. Controls respond instantly to the touch, delivering smooth function operation.

#### Relief valve pressure:

#### Load hoist, boom hoist

and propel system ..... 4,480 psi (315 kg/cm<sup>2</sup>)

**Swing system** ..... 3,980 psi (280 kg/cm<sup>2</sup>)

**Control system** ..... 1,140 psi (80 kg/cm<sup>2</sup>)

**Reservoir capacity:** 119 US gal (450 liters)

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

**Filtration:** Full-flow and bypass type with replaceable paper element

**Electrical wiring:** All wiring harnesses and connectors are numbered for easier servicing. Machine is equipped with individual fused branch circuits.



### Boom hoisting system

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

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

**Drum:** Single drum, grooved for 5/8 in (15.8 mm) dia. wire rope

**Line speed:** Single line on first drum layer

Hoisting ..... 213 ft/min (65 m/min)

Lowering ..... 213 ft/min (65 m/min)



### Load Hoist system

Front and rear drums for load hoist powered by hydraulic variable displacement piston-type motors, driven through planetary reducers.

**Brakes & Clutches (compatible):** Forced-circulation oil-cooled wet-type multi-disc brakes, each using positive and negative actuation.

**Drums:** (front and rear): 24.1" (613 mm) P.C.D. x 24.5" (622 mm) wide drums, each grooved for 1" (25.4 mm) wire rope.

#### Wire rope capacity:

Front drum 623 ft (190 m) working length

Rear drum 525 ft (160 m) working length

Optional third drum 623 ft (190 m) working length

Storage length (each drum) 984 ft (300 m)

**Line speed:** Single line on the first drum layer

Hoisting ..... 328 ft/min (100m/min)

Lowering ..... 328 ft/min (100m/min)

**Optional third drum:** with the same dimensions as front and rear drums



### Swing system

**Swing unit:** Powered by a hydraulic piston-type motor driving spur gears through planetary reducers, the swing system provides 360° rotation.

**Swing speed** ..... 3.5 rpm

**Swing brake:** A spring-set, hydraulically released multiple-disc brake is internally fitted in swing motor.

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



### Operator's Cab

Totally enclosed, full vision cab fitted with tinted safety glass and a sliding front window. A fully adjustable, high-backed seat with arm rests permits operators to set their ideal working position. Side mounted console for auxiliary controls and instruments. An air conditioner, a signal horn, cigarette lighter, windshield wiper and inspection lamp socket are standard features.



### Controls

In front of operator are the foot pedals for front and rear drum brakes. At operator's right side are the travel (propel) control levers and the function lock lever. To the operator's right front are the boom hoist control lever, main (front) and auxiliary (rear) winch control levers and the free-fall select switches for the main and auxiliary winches. To the operators left front are the swing control lever and third drum control lever (if the machine is so equipped). To the operator's left are the crawler extend/retract lever and the positive swing lock. The left-hand console contains toggle switches for travel (propel) speed, free-fall high/low select, gantry control, crane-clamshell select switch and the anti-two-block/boom over-hoist switches. Directly in front of the console are the drum pawl lock for boom, front, rear and third drum (if so equipped) and the engine ignition key. The swing brake and signal horn are mounted on the swing control lever.

**Gauges:** Fuel gauge, engine water temperature gauge, hour meter and tachometer are located on the monitor display.

**Warning display:** All potential warnings, including battery charge, engine oil pressure, air cleaner, engine oil filter, control main pressure, and hydraulic oil temperature will appear on the monitor display when a fault occurs.

**Safety device:** Function lock lever, anti-two-block, boom over hoist limit switch, boom angle indicator, signal horn, boom hoist drum lock, front and rear drum lock, swing lock, swing alarm (buzzer and lamps), boom backstops, safety latch on hook blocks, and optional load moment indicator

## ATTACHMENT



### Boom:

Welded lattice construction using tubular, high-tensile steel chords with pin connections between sections. Boom tip is open throat construction. Two idler sheaves and three point sheaves are standard.

<b>Max. lifting capacity</b>	100 US tons (90,700kg)
<b>Basic boom length</b>	40 ft (12.19 m)
<b>Max. boom length</b>	200 ft (61.0 m)

Boom	Weight
<b>Boom tip</b>	2,650 lbs (1,200 kg)
<b>Boom base</b>	2,600 lbs (1,180 kg)
<b>Insert (10 ft)</b>	680 lbs (310 kg)
<b>Insert (20 ft)</b>	1,150 lbs (520 kg)
<b>Insert (40 ft)</b>	2,120 lbs (960 kg)



### Gantry

High folding type, fitted with sheave frame for boom hoist reeving. Hydraulic lift is standard. Positions full up and full down.

### Counterweights

Three-piece, vertically arranged, mounted behind the machinery compartment.

Total counterweight ..... 63,000 lbs (28,600kg)

#### Carbody counterweight:

Total weight (Two-pieces)..... 8,800 lbs (4,000 kg)

#### Self-handling devices:

Optional counterweight self-removal device

Optional crawler frame self-removal device



### Jib (optional):

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

<b>Max. lifting capacity</b>	24,000 lbs (10,900 kg)
<b>Max. jib length</b>	60 ft (18.3 m)
<b>Max. total length of boom and jib</b>	190 ft (57.9 m) + 60 ft (18.3 m)

Jib	Weight
<b>Jib tip</b>	620 lbs (280 kg)
<b>Jib base</b>	440 lbs (200 kg)
<b>Insert (10 ft)</b>	220 lbs (100 kg)
<b>Insert (20 ft)</b>	400 lbs (180 kg)

### Diameter of wire ropes

#### Standard:

Load hoist (front, rear and third) ..... 1 in (25.4 mm)

Boom hoist (12-part line) ..... 5/8 in (15.8 mm)

Boom suspension rope (2 sets) ..... 1 3/16 in (30 mm)

Wire ropes ..... IWRC, 6 x Fi (25) c/o (Front and rear)

#### Optional:

Jib back stay guy line (2 lines)..... 7/8 in (22 mm)

**Boom backstops:** telescopic type with spring bumper

### Line pull

	Rated line pull	Maximum line pull
<b>Front</b>	25,100 lbs (11,400 kg)	44,100 lbs (20,000 kg)
<b>Rear</b>	25,100 lbs (11,400 kg)	44,100 lbs (20,000 kg)
<b>Third (optional)</b>	25,100 lbs (11,400 kg)	44,100 lbs (20,000 kg)



### Weight

**Operating weight:** Approx. 173,000 lbs (including 40 ft boom and 100 US-ton hook block)

#### Ground pressure:

Average 10.8 psi (0.76 kg/cm<sup>2</sup>) with standard 36" shoes

Max. gradeability: 40%

## LOWER MACHINERY

**Carbody:** Steel-welded carbody with axles

**Crawler:** Crawler assemblies can be hydraulically extended/retracted. Crawler track tension is maintained by hydraulic jack force on the track-adjusting bearing block.

**Crawler drive:** Independent hydraulic propel drive is built into each side frame, each with a hydraulic motor propelling a drive tumbler through a planetary gear box.

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

**Steering mechanism:** A hydraulic travel system provides skid steering (driving one track only) and counter-rotation of tracks (driving tracks in opposite directions) and differential track speed.

**Track rollers:** 11 lower rollers and 3 upper rollers are fitted to each side frame, sealed and maintenance-free.

#### Shoes:

Number ..... 66 per side

#### Shoes (flat):

Shoe width ..... 36" (914 mm)

#### Max. travel speed:

High range ..... 1.1 mph (1.7km/h)

Low range ..... 0.7 mph (1.1km/h)

# NOTES

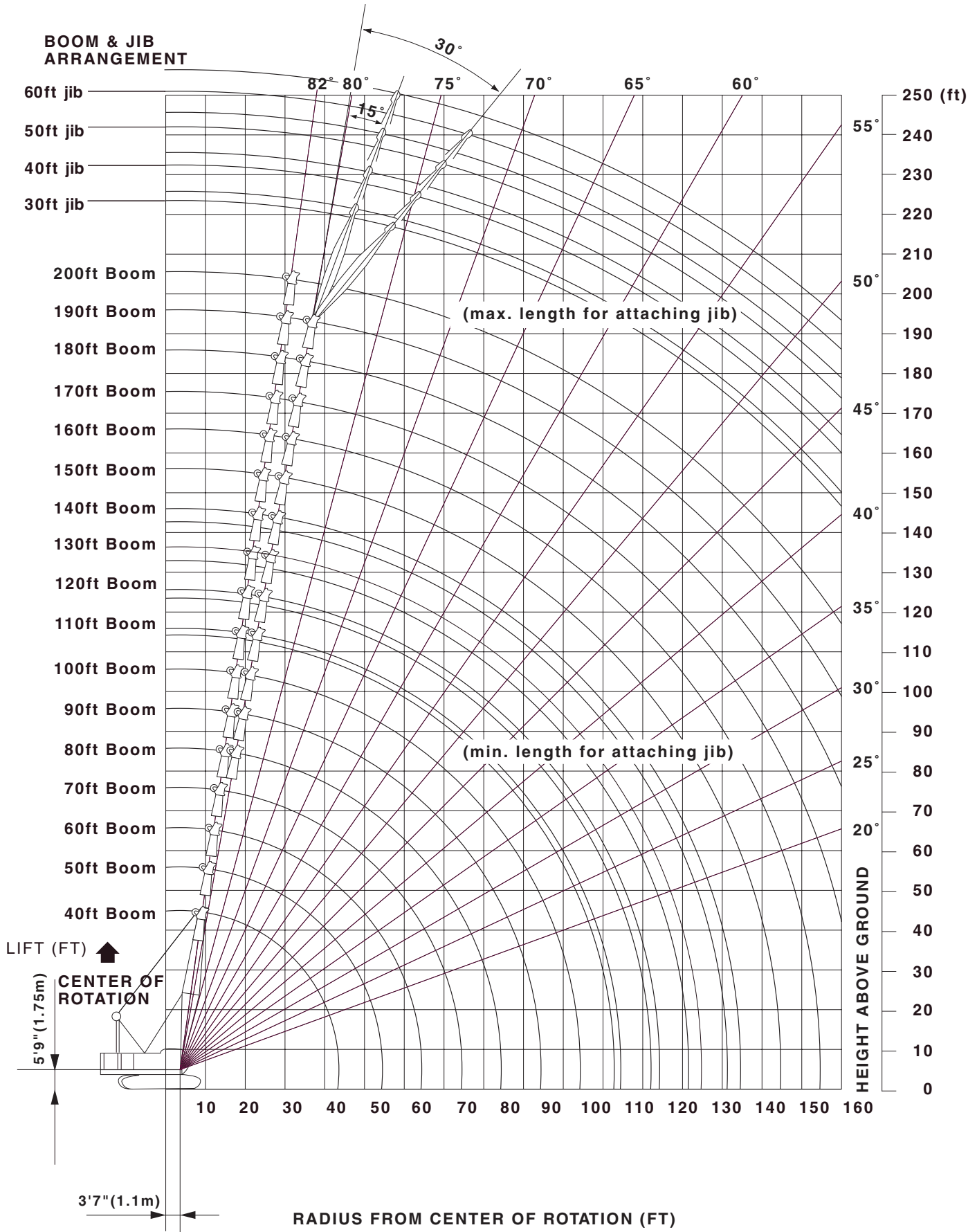
**The following guidelines should be referred to when when interpreting the load rating charts.**

1. Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing on level and firm supporting surface under ideal operating conditions. The user must limit or de-rate rated loads to allow for adverse conditions (such as soft or uneven grounds, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
2. Capacities do not exceed 75% of minimum tipping loads. Capacities based on factors other than machine stability such as structural competence are shown by asterisk \* in the charts.
3. The machine must be reeved and set-up as stated in the operator's manual and all the instruction manuals. If these manuals are missing, obtain replacements. Boom backstops are required for all boom lengths. Gantry must be in the fully raised position for all operations. Crawlers must be fully extended and be locked in position. The crane must be leveled to within 1% on a firm supporting surface.
4. Do not attempt to lift where no radius on load is listed as crane may tip or collapse.
5. Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine capacity.
6. Weight of hooks, hook blocks, slings and other lifting devices are part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
7. When lifting over boom point with jib or auxiliary sheave, rated loads for the boom must be deducted as shown below.

Jib length	Aux. Sheave	30 ft	40 ft	50 ft	60 ft
Deduct (lbs)	420	2,400	3,200	4,200	5,200

8. The total load that can be lifted with the jib is limited by rated jib loads. The total load that can be lifted with the auxiliary sheave is limited by rated auxiliary sheave loads.
9. Boom lengths for jib mounting are from 80 ft (24.4 m) to 190 ft (57.9 m).
10. An auxiliary sheave cannot be used on a 200 ft (61.0 m) boom length.
11. The boom should be erected over the front of the crawlers, not laterally.
12. Least stable position is over the side.
13. 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.
14. Designed and rated to comply with ANSI Code B30.5.

# WORKING RANGES (with fixed jib)

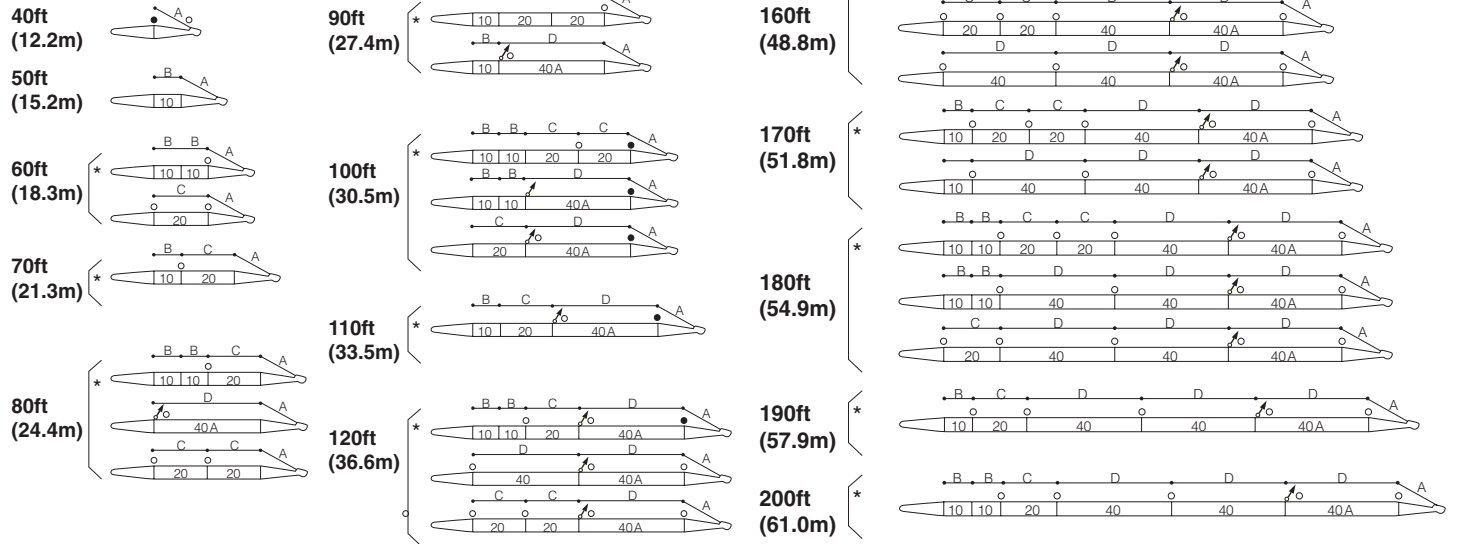


# BOOM AND GUY LINE ARRANGEMENT

Symbol	Dimensions of Guy Line	
	Diameter in (mm)	Length ft-in (m)
A	13/16 (30)	20-3 (6.17)
B	13/16 (30)	10-0 (3.05)
C	13/16 (30)	20-0 (6.10)
D	13/16 (30)	40-0 (12.20)

For most efficient use of this machine, boom and guy line arrangement must be correctly observed as shown in this figure.

- 📍 Location of jib backstay lug
- Location of cable roller on boom tip
- Location of cable roller on boom insert

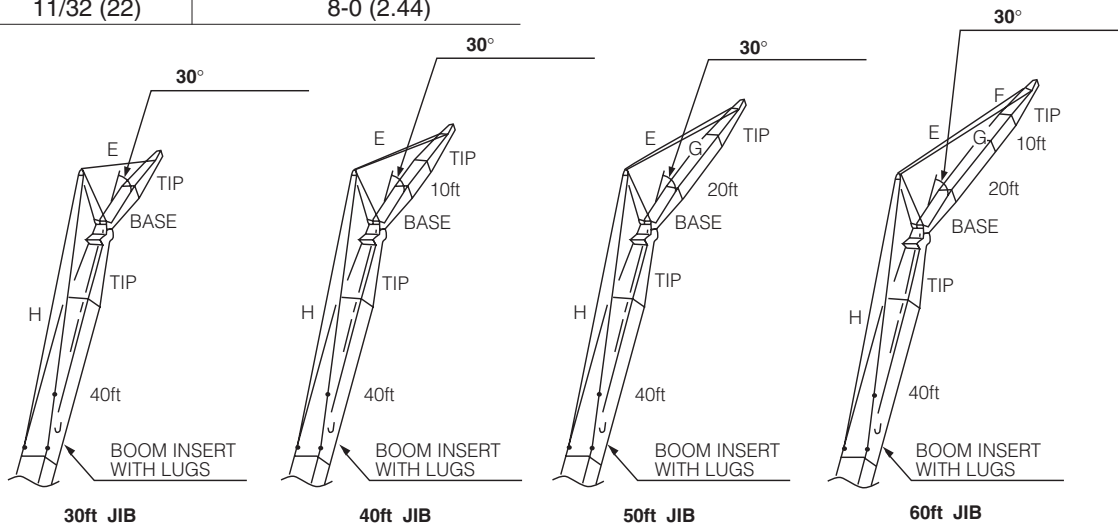


\* Manufacturer's recommended boom arrangement makes shorter boom arrangements possible.

# JIB AND GUY LINE ARRANGEMENT

Symbol	Dimensions of Guy Line	
	Diameter in (mm)	Length ft-in (m)
E	11/32 (22)	63-5 (19.34)
F	11/32 (22)	19-3 (5.88)
G	11/32 (22)	38-7 (11.75)
H	11/32 (22)	123-2 (37.54)
J	11/32 (22)	8-0 (2.44)

- This figure shows the arrangement when the jib offset angle is 30 degrees.
- When setting the offset angle to 10 degrees, deduct the additional guy line J from the boom side guy line H.
- For jib use with 80-100 ft of main boom, you must use the 40 ft boom insert that has lugs.
- Jib use is from 80-190 ft of main boom only.



# CK1000 Lifting Capacity

## LIFT CRANE SERVICE

Refer to notes page 4.

3 Counterweights, 2 Carbody weights, Crawler Fully Extended

Boom Length (ft)	Load Radius (ft)	Boom Angle (degree)	Boom Point Elev. (ft)	360° Rated Load (lbs)	Boom Length (ft)	Load Radius (ft)	Boom Angle (degree)	Boom Point Elev. (ft)	360° Rated Load (lbs)
<b>40</b>	<b>10.0</b>	<b>81.9</b>	<b>45.3</b>	<b>*200,000</b>	<b>50</b>	<b>12.0</b>	<b>81.2</b>	<b>55.1</b>	<b>*185,180</b>
	11.0	80.5	45.2	*200,000		13.0	80.1	55.0	*171,950
	<b>12.0</b>	<b>79.0</b>	<b>45.0</b>	<b>*185,400</b>		<b>14.0</b>	<b>78.9</b>	<b>54.8</b>	<b>*160,050</b>
	13.0	77.5	44.8	*172,170		15.0	77.7	54.6	*150,130
	<b>14.0</b>	<b>76.1</b>	<b>44.6</b>	<b>*160,270</b>		<b>16.0</b>	<b>76.5</b>	<b>54.4</b>	<b>*140,870</b>
	15.0	74.6	44.3	*150,350		17.0	75.4	54.1	*133,150
	<b>16.0</b>	<b>73.1</b>	<b>44.0</b>	<b>*141,090</b>		<b>18.0</b>	<b>74.2</b>	<b>53.8</b>	<b>*125,880</b>
	17.0	71.5	43.7	*133,370		19.0	73.0	53.5	*119,040
	<b>18.0</b>	<b>70.0</b>	<b>43.3</b>	<b>*126,100</b>		<b>20.0</b>	<b>71.7</b>	<b>53.2</b>	<b>*111,330</b>
	19.0	68.5	42.9	*119,040		22.0	69.3	52.5	*98,760
	<b>20.0</b>	<b>66.9</b>	<b>42.5</b>	<b>*111,110</b>		<b>24.0</b>	<b>66.8</b>	<b>51.7</b>	<b>87,520</b>
	22.0	63.7	41.6	*97,440		26.0	64.3	50.8	77,820
	<b>24.0</b>	<b>60.5</b>	<b>40.5</b>	<b>*86,420</b>		<b>28.0</b>	<b>61.7</b>	<b>49.8</b>	<b>70,100</b>
	26.0	57.1	39.3	*76,940		30.0	59.0	48.6	63,710
	<b>28.0</b>	<b>53.5</b>	<b>37.9</b>	<b>*69,000</b>		<b>32.0</b>	<b>56.3</b>	<b>47.3</b>	<b>58,420</b>
	30.0	49.8	36.3	*62,160		34.0	53.5	45.9	53,790
	<b>32.0</b>	<b>45.9</b>	<b>34.5</b>	<b>*55,990</b>		<b>36.0</b>	<b>50.5</b>	<b>44.3</b>	<b>50,040</b>
34.0	41.7	32.3	*50,260	38.0	47.4	42.5	46,510		
<b>36.0</b>	<b>37.0</b>	<b>29.8</b>	<b>*45,190</b>	<b>40.0</b>	<b>44.2</b>	<b>40.6</b>	<b>43,430</b>		
38.0	31.8	26.8	*40,120	45.0	35.0	34.4	*35,270		
<b>40.0</b>	<b>25.7</b>	<b>23.1</b>	<b>*35,270</b>	<b>50.0</b>	<b>22.8</b>	<b>25.1</b>	<b>*27,110</b>		
<b>60</b>	<b>13.0</b>	<b>81.7</b>	<b>65.1</b>	<b>*171,730</b>	<b>70</b>	<b>15.0</b>	<b>81.3</b>	<b>74.9</b>	<b>*149,690</b>
	14.0	80.8	65.0	*159,830		16.0	80.4	74.8	*140,430
	<b>15.0</b>	<b>79.8</b>	<b>64.8</b>	<b>*149,910</b>		<b>17.0</b>	<b>79.6</b>	<b>74.6</b>	<b>*131,830</b>
	16.0	78.8	64.6	*140,650		18.0	78.8	74.4	*122,570
	<b>17.0</b>	<b>77.8</b>	<b>64.4</b>	<b>*132,930</b>		<b>19.0</b>	<b>77.9</b>	<b>74.2</b>	<b>*114,630</b>
	18.0	76.9	64.2	*124,330		20.0	77.1	74.0	*107,580
	<b>19.0</b>	<b>75.9</b>	<b>63.9</b>	<b>*116,180</b>		<b>22.0</b>	<b>75.4</b>	<b>73.5</b>	<b>*95,900</b>
	20.0	74.9	63.7	*109,120		24.0	73.7	72.9	*86,420
	<b>22.0</b>	<b>72.9</b>	<b>63.1</b>	<b>*97,000</b>		<b>26.0</b>	<b>72.0</b>	<b>72.3</b>	<b>77,600</b>
	24.0	70.9	62.4	*87,300		28.0	70.2	71.6	69,880
	<b>26.0</b>	<b>68.8</b>	<b>61.7</b>	<b>77,600</b>		<b>30.0</b>	<b>68.5</b>	<b>70.9</b>	<b>63,490</b>
	28.0	66.8	60.9	69,880		32.0	66.7	70.0	57,980
	<b>30.0</b>	<b>64.6</b>	<b>59.9</b>	<b>63,490</b>		<b>34.0</b>	<b>64.9</b>	<b>69.1</b>	<b>53,350</b>
	32.0	62.5	58.9	58,200		36.0	63.1	68.1	49,600
	<b>34.0</b>	<b>60.3</b>	<b>57.8</b>	<b>53,570</b>		<b>38.0</b>	<b>61.2</b>	<b>67.1</b>	<b>46,070</b>
	36.0	58.1	56.7	49,600		40.0	59.3	65.9	42,980
	<b>38.0</b>	<b>55.8</b>	<b>55.3</b>	<b>46,070</b>		<b>45.0</b>	<b>54.4</b>	<b>62.6</b>	<b>37,030</b>
40.0	53.4	53.9	43,210	50.0	49.1	58.6	32,180		
<b>45.0</b>	<b>47.1</b>	<b>49.7</b>	<b>37,030</b>	<b>55.0</b>	<b>43.4</b>	<b>53.8</b>	<b>28,650</b>		
50.0	40.1	44.4	32,400	60.0	37.0	47.9	25,570		
<b>55.0</b>	<b>31.8</b>	<b>37.3</b>	<b>*27,330</b>	<b>65.0</b>	<b>29.4</b>	<b>40.1</b>	<b>*22,040</b>		
60.0	20.7	26.9	*21,600						
<b>80</b>	<b>16.0</b>	<b>81.6</b>	<b>84.9</b>	<b>*138,660</b>	<b>80</b>	<b>34.0</b>	<b>68.2</b>	<b>80.0</b>	<b>53,130</b>
	17.0	80.9	84.7	*128,300		36.0	66.7	79.2	49,160
	<b>18.0</b>	<b>80.2</b>	<b>84.6</b>	<b>*119,260</b>		<b>38.0</b>	<b>65.1</b>	<b>78.3</b>	<b>45,850</b>
	19.0	79.5	84.4	*111,550		40.0	63.5	77.3	42,760
	<b>20.0</b>	<b>78.7</b>	<b>84.2</b>	<b>*104,710</b>		<b>45.0</b>	<b>59.4</b>	<b>74.6</b>	<b>36,590</b>
	22.0	77.3	83.8	*93,250		50.0	55.1	71.3	31,960
	<b>24.0</b>	<b>75.8</b>	<b>83.3</b>	<b>*84,210</b>		<b>55.0</b>	<b>50.6</b>	<b>67.5</b>	<b>28,210</b>
	26.0	74.3	82.7	*76,720		60.0	45.7	63.0	25,130
	<b>28.0</b>	<b>72.8</b>	<b>82.1</b>	<b>69,440</b>		<b>65.0</b>	<b>40.4</b>	<b>57.6</b>	<b>22,700</b>
	30.0	71.3	81.5	63,050		70.0	34.5	51.0	20,720
<b>32.0</b>	<b>69.8</b>	<b>80.8</b>	<b>57,760</b>	<b>75.0</b>	<b>27.4</b>	<b>42.5</b>	<b>*17,850</b>		



# CK1000 Lifting Capacity

## LIFT CRANE SERVICE

Refer to notes page 4.

3 Counterweights, 2 Carbody weights, Crawler Fully Extended

Boom Length (ft)	Load Radius (ft)	Boom Angle (degree)	Boom Point Elev. (ft)	360° Rated Load (lbs)	Boom Length (ft)	Load Radius (ft)	Boom Angle (degree)	Boom Point Elev. (ft)	360° Rated Load (lbs)
<b>90</b>	<b>17.0</b>	<b>81.9</b>	<b>94.8</b>	<b>*125,660</b>	<b>100</b>	<b>19.0</b>	<b>81.6</b>	<b>104.7</b>	<b>*107,360</b>
	18.0	81.3	94.7	*117,720		20.0	81.0	104.5	*100,750
	<b>19.0</b>	<b>80.6</b>	<b>94.5</b>	<b>*109,780</b>		<b>22.0</b>	<b>79.8</b>	<b>104.1</b>	<b>*89,500</b>
	20.0	80.0	94.4	*103,170		24.0	78.7	103.8	*80,680
	<b>22.0</b>	<b>78.7</b>	<b>94.0</b>	<b>*91,710</b>		<b>26.0</b>	<b>77.5</b>	<b>103.4</b>	<b>*73,410</b>
	24.0	77.4	93.6	*82,670		28.0	76.3	102.9	*67,460
	<b>26.0</b>	<b>76.1</b>	<b>93.1</b>	<b>*75,390</b>		<b>30.0</b>	<b>75.1</b>	<b>102.4</b>	<b>*62,390</b>
	28.0	74.8	92.6	*69,220		32.0	73.9	101.8	57,310
	<b>30.0</b>	<b>73.4</b>	<b>92.0</b>	<b>63,050</b>		<b>34.0</b>	<b>72.7</b>	<b>101.2</b>	<b>52,680</b>
	32.0	72.1	91.4	57,540		36.0	71.5	100.6	48,720
	<b>34.0</b>	<b>70.8</b>	<b>90.7</b>	<b>52,910</b>		<b>38.0</b>	<b>70.3</b>	<b>99.9</b>	<b>45,410</b>
	36.0	69.4	90.0	49,160		40.0	69.1	99.1	42,320
	<b>38.0</b>	<b>68.0</b>	<b>89.2</b>	<b>45,630</b>		<b>45.0</b>	<b>66.0</b>	<b>97.1</b>	<b>36,150</b>
	40.0	66.6	88.3	42,540		50.0	62.8	94.7	31,520
	<b>45.0</b>	<b>63.1</b>	<b>86.0</b>	<b>36,370</b>		<b>55.0</b>	<b>59.5</b>	<b>91.9</b>	<b>27,770</b>
	50.0	59.5	83.3	31,740		60.0	56.1	88.7	24,690
	<b>55.0</b>	<b>55.7</b>	<b>80.1</b>	<b>27,990</b>		<b>65.0</b>	<b>52.6</b>	<b>85.2</b>	<b>22,260</b>
	60.0	51.7	76.3	25,130		70.0	48.8	81.0	20,060
	<b>65.0</b>	<b>47.5</b>	<b>72.1</b>	<b>22,480</b>		<b>75.0</b>	<b>44.9</b>	<b>76.3</b>	<b>18,290</b>
	70.0	43.0	67.1	20,500		80.0	40.6	70.8	16,750
<b>75.0</b>	<b>38.0</b>	<b>61.1</b>	<b>18,730</b>	<b>85.0</b>	<b>36.0</b>	<b>64.5</b>	<b>15,430</b>		
80.0	32.4	53.9	*17,190	90.0	30.7	56.8	*14,320		
<b>85.0</b>	<b>25.8</b>	<b>44.9</b>	<b>*14,770</b>	<b>95.0</b>	<b>24.4</b>	<b>47.0</b>	<b>*12,340</b>		
<b>110</b>	<b>20.0</b>	<b>81.8</b>	<b>114.6</b>	<b>*100,300</b>	<b>120</b>	<b>22.0</b>	<b>81.6</b>	<b>124.4</b>	<b>*87,080</b>
	22.0	80.8	114.3	*89,060		24.0	80.6	124.1	*78,480
	<b>24.0</b>	<b>79.7</b>	<b>114.0</b>	<b>*80,020</b>		<b>26.0</b>	<b>79.6</b>	<b>123.8</b>	<b>*71,200</b>
	26.0	78.7	113.6	*72,750		28.0	78.6	123.4	*65,250
	<b>28.0</b>	<b>77.6</b>	<b>113.2</b>	<b>*66,790</b>		<b>30.0</b>	<b>77.7</b>	<b>123.0</b>	<b>*60,180</b>
	30.0	76.5	112.7	*61,720		32.0	76.7	122.5	*55,990
	<b>32.0</b>	<b>75.4</b>	<b>112.2</b>	<b>*57,310</b>		<b>34.0</b>	<b>75.7</b>	<b>122.0</b>	<b>*52,240</b>
	34.0	74.4	111.7	52,680		36.0	74.7	121.5	48,500
	<b>36.0</b>	<b>73.3</b>	<b>111.1</b>	<b>48,720</b>		<b>38.0</b>	<b>73.7</b>	<b>120.9</b>	<b>44,970</b>
	38.0	72.2	110.5	45,410		40.0	72.7	120.3	42,100
	<b>40.0</b>	<b>71.1</b>	<b>109.8</b>	<b>42,320</b>		<b>45.0</b>	<b>70.2</b>	<b>118.6</b>	<b>35,930</b>
	45.0	68.3	107.9	36,150		50.0	67.6	116.7	31,080
	<b>50.0</b>	<b>65.5</b>	<b>105.8</b>	<b>31,520</b>		<b>55.0</b>	<b>65.0</b>	<b>114.5</b>	<b>27,330</b>
	55.0	62.6	103.4	27,770		60.0	62.3	112.0	24,470
	<b>60.0</b>	<b>59.6</b>	<b>100.6</b>	<b>24,690</b>		<b>65.0</b>	<b>59.6</b>	<b>109.2</b>	<b>21,820</b>
	65.0	56.5	97.4	22,260		70.0	56.8	106.1	19,840
	<b>70.0</b>	<b>53.3</b>	<b>93.9</b>	<b>20,060</b>		<b>75.0</b>	<b>53.9</b>	<b>102.7</b>	<b>18,070</b>
	75.0	49.9	89.9	18,290		80.0	50.8	98.7	16,530
	<b>80.0</b>	<b>46.4</b>	<b>85.4</b>	<b>16,750</b>		<b>85.0</b>	<b>47.7</b>	<b>94.5</b>	<b>15,210</b>
	85.0	42.7	80.3	15,430		90.0	44.3	89.5	13,880
<b>90.0</b>	<b>38.6</b>	<b>74.3</b>	<b>14,320</b>	<b>95.0</b>	<b>40.8</b>	<b>84.1</b>	<b>13,000</b>		
95.0	34.2	67.5	13,220	100.0	36.9	77.8	12,120		
<b>100.0</b>	<b>29.2</b>	<b>59.4</b>	<b>*12,120</b>	<b>105.0</b>	<b>32.7</b>	<b>70.5</b>	<b>11,240</b>		
105.0	23.2	49.1	*10,360	110.0	27.9	61.9	*10,140		
				<b>115.0</b>	<b>22.2</b>	<b>51.1</b>	<b>*8,590</b>		

# CK1000 Lifting Capacity

## LIFT CRANE SERVICE

Refer to notes page 4.

3 Counterweights, 2 Carbody weights, Crawler Fully Extended

Boom Length (ft)	Load Radius (ft)	Boom Angle (degree)	Boom Point Elev. (ft)	360° Rated Load (lbs)	Boom Length (ft)	Load Radius (ft)	Boom Angle (degree)	Boom Point Elev. (ft)	360° Rated Load (lbs)
<b>130</b>	<b>24.0</b>	<b>81.3</b>	<b>134.2</b>	<b>*71,860</b>	<b>140</b>	<b>24.0</b>	<b>81.9</b>	<b>144.3</b>	<b>*61,720</b>
	26.0	80.4	133.9	*70,980		26.0	81.1	144.0	*60,840
	<b>28.0</b>	<b>79.5</b>	<b>133.5</b>	<b>*65,030</b>		<b>28.0</b>	<b>80.3</b>	<b>143.7</b>	<b>*59,960</b>
	30.0	78.6	133.2	*59,960		30.0	79.4	143.3	*58,640
	<b>32.0</b>	<b>77.7</b>	<b>132.7</b>	<b>*55,550</b>		<b>32.0</b>	<b>78.6</b>	<b>143.0</b>	<b>*54,450</b>
	34.0	76.8	132.3	*51,800		34.0	77.8	142.6	*50,700
	<b>36.0</b>	<b>75.9</b>	<b>131.8</b>	<b>*48,500</b>		<b>36.0</b>	<b>76.9</b>	<b>142.1</b>	<b>*47,390</b>
	38.0	75.0	131.3	44,970		38.0	76.1	141.6	*44,530
	<b>40.0</b>	<b>74.1</b>	<b>130.7</b>	<b>41,880</b>		<b>40.0</b>	<b>75.2</b>	<b>141.1</b>	<b>41,660</b>
	45.0	71.8	129.2	35,710		45.0	73.1	139.7	35,490
	<b>50.0</b>	<b>69.4</b>	<b>127.4</b>	<b>31,080</b>		<b>50.0</b>	<b>71.0</b>	<b>138.1</b>	<b>30,860</b>
	55.0	67.1	125.5	27,330		55.0	68.8	136.2	27,110
	<b>60.0</b>	<b>64.6</b>	<b>123.1</b>	<b>24,250</b>		<b>60.0</b>	<b>66.6</b>	<b>134.2</b>	<b>24,030</b>
	65.0	62.2	120.7	21,820		65.0	64.3	131.9	21,380
	<b>70.0</b>	<b>59.6</b>	<b>117.8</b>	<b>19,620</b>		<b>70.0</b>	<b>62.0</b>	<b>129.3</b>	<b>19,400</b>
	75.0	57.0	114.7	17,850		75.0	59.7	126.6	17,630
	<b>80.0</b>	<b>54.4</b>	<b>111.4</b>	<b>16,310</b>		<b>80.0</b>	<b>57.2</b>	<b>123.4</b>	<b>16,090</b>
	85.0	51.6	107.6	14,990		85.0	54.8	120.1	14,770
	<b>90.0</b>	<b>48.7</b>	<b>103.4</b>	<b>13,880</b>		<b>90.0</b>	<b>52.2</b>	<b>116.3</b>	<b>13,440</b>
	95.0	45.7	98.7	12,780		95.0	49.6	112.3	12,560
<b>100.0</b>	<b>42.5</b>	<b>93.5</b>	<b>11,900</b>	<b>100.0</b>	<b>46.8</b>	<b>107.8</b>	<b>11,460</b>		
105.0	39.1	87.7	11,020	105.0	43.9	102.8	10,800		
<b>110.0</b>	<b>35.4</b>	<b>81.0</b>	<b>10,360</b>	<b>110.0</b>	<b>40.9</b>	<b>97.4</b>	<b>9,920</b>		
115.0	31.4	73.4	*9,470	115.0	37.6	91.1	9,250		
<b>120.0</b>	<b>26.8</b>	<b>64.3</b>	<b>*8,370</b>	<b>120.0</b>	<b>34.1</b>	<b>84.2</b>	<b>8,590</b>		
125.0	21.3	52.9	*7,050	125.0	30.2	76.1	*7,710		
				<b>130.0</b>	<b>25.8</b>	<b>66.6</b>	<b>*6,830</b>		
				135.0	20.5	54.7	*5,730		
<b>150</b>	<b>26.0</b>	<b>81.7</b>	<b>154.2</b>	<b>*52,680</b>	<b>160</b>	<b>28.0</b>	<b>81.5</b>	<b>164.0</b>	<b>*44,090</b>
	28.0	80.9	153.8	*51,800		30.0	80.8	163.7	*43,430
	<b>30.0</b>	<b>80.2</b>	<b>153.5</b>	<b>*51,140</b>		<b>32.0</b>	<b>80.1</b>	<b>163.3</b>	<b>*42,760</b>
	32.0	79.4	153.2	*50,260		34.0	79.3	162.9	*42,100
	<b>34.0</b>	<b>78.6</b>	<b>152.8</b>	<b>*49,600</b>		<b>36.0</b>	<b>78.6</b>	<b>162.6</b>	<b>*41,440</b>
	36.0	77.8	152.3	*46,510		38.0	77.9	162.2	*40,780
	<b>38.0</b>	<b>77.0</b>	<b>151.9</b>	<b>*43,650</b>		<b>40.0</b>	<b>77.1</b>	<b>161.7</b>	<b>*40,340</b>
	40.0	76.3	151.4	*41,220		45.0	75.3	160.5	35,270
	<b>45.0</b>	<b>74.3</b>	<b>150.1</b>	<b>35,720</b>		<b>50.0</b>	<b>73.4</b>	<b>159.0</b>	<b>30,640</b>
	50.0	72.3	148.6	30,640		55.0	71.5	157.4	26,890
	<b>55.0</b>	<b>70.3</b>	<b>146.9</b>	<b>26,890</b>		<b>60.0</b>	<b>69.6</b>	<b>155.7</b>	<b>23,800</b>
	60.0	68.2	145.0	23,800		65.0	67.7	153.7	21,160
	<b>65.0</b>	<b>66.1</b>	<b>142.8</b>	<b>21,380</b>		<b>70.0</b>	<b>65.8</b>	<b>151.6</b>	<b>19,180</b>
	70.0	64.0	140.5	19,180		75.0	63.8	149.3	17,410
	<b>75.0</b>	<b>61.9</b>	<b>138.0</b>	<b>17,410</b>		<b>80.0</b>	<b>61.8</b>	<b>146.7</b>	<b>15,870</b>
	80.0	59.7	135.2	15,870		85.0	59.7	143.8	14,320
	<b>85.0</b>	<b>57.4</b>	<b>132.1</b>	<b>14,550</b>		<b>90.0</b>	<b>57.6</b>	<b>140.8</b>	<b>13,220</b>
	90.0	55.1	128.7	13,440		95.0	55.4	137.4	12,120
	<b>95.0</b>	<b>52.8</b>	<b>125.2</b>	<b>12,340</b>		<b>100.0</b>	<b>53.2</b>	<b>133.8</b>	<b>11,240</b>
	100.0	50.3	121.1	11,460		105.0	51.0	130.0	10,360
<b>105.0</b>	<b>47.8</b>	<b>116.8</b>	<b>10,580</b>	<b>110.0</b>	<b>48.6</b>	<b>125.7</b>	<b>9,700</b>		
110.0	45.1	112.0	9,700	115.0	46.2	121.2	9,030		
<b>115.0</b>	<b>42.3</b>	<b>106.7</b>	<b>9,030</b>	<b>120.0</b>	<b>43.6</b>	<b>116.0</b>	<b>8,370</b>		
120.0	39.4	100.9	8,590	125.0	40.9	110.5	7,710		
<b>125.0</b>	<b>36.3</b>	<b>94.5</b>	<b>7,930</b>	<b>130.0</b>	<b>38.1</b>	<b>104.4</b>	<b>7,270</b>		
130.0	32.9	87.2	*7,490	135.0	35.1	97.1	*6,830		
<b>135.0</b>	<b>29.1</b>	<b>78.7</b>	<b>*6,610</b>	<b>140.0</b>	<b>31.8</b>	<b>90.0</b>	<b>*5,950</b>		
140.0	24.9	68.9	*5,730	145.0	28.2	81.3	*5,290		
				<b>150.0</b>	<b>24.1</b>	<b>71.0</b>	<b>*4,400</b>		

# CK1000 Lifting Capacity

## LIFT CRANE SERVICE

Refer to notes page 4.

3 Counterweights, 2 Carbody weights, Crawler Fully Extended

Boom Length (ft)	Load Radius (ft)	Boom Angle (degree)	Boom Point Elev. (ft)	360° Rated Load (lbs)	Boom Length (ft)	Load Radius (ft)	Boom Angle (degree)	Boom Point Elev. (ft)	360° Rated Load (lbs)
<b>170</b>	<b>28.0</b>	<b>82.0</b>	<b>174.1</b>	<b>*38,800</b>	<b>180</b>	<b>30.0</b>	<b>81.8</b>	<b>183.9</b>	<b>*33,730</b>
	30.0	81.3	173.8	*38,130		32.0	81.2	183.6	*33,060
	<b>32.0</b>	<b>80.6</b>	<b>173.4</b>	<b>*37,470</b>		<b>34.0</b>	<b>80.5</b>	<b>183.3</b>	<b>*32,620</b>
	34.0	80.0	173.1	*37,030		36.0	79.9	182.9	*31,960
	<b>36.0</b>	<b>79.3</b>	<b>172.8</b>	<b>*36,370</b>		<b>38.0</b>	<b>79.2</b>	<b>182.5</b>	<b>*31,520</b>
	38.0	78.6	172.4	*35,710		40.0	78.6	182.5	*31,080
	<b>40.0</b>	<b>77.9</b>	<b>171.9</b>	<b>*35,270</b>		<b>45.0</b>	<b>77.0</b>	<b>181.1</b>	<b>*29,760</b>
	45.0	76.2	170.8	*33,950		50.0	75.3	179.8	*28,650
	<b>50.0</b>	<b>74.4</b>	<b>169.4</b>	<b>30,420</b>		<b>55.0</b>	<b>73.7</b>	<b>178.5</b>	<b>26,230</b>
	55.0	72.7	168.0	26,670		60.0	72.0	176.9	23,360
	<b>60.0</b>	<b>70.9</b>	<b>166.3</b>	<b>23,580</b>		<b>65.0</b>	<b>70.3</b>	<b>175.2</b>	<b>20,720</b>
	65.0	69.1	164.5	20,940		70.0	68.6	173.3	18,730
	<b>70.0</b>	<b>67.3</b>	<b>162.5</b>	<b>18,950</b>		<b>75.0</b>	<b>66.9</b>	<b>171.3</b>	<b>16,750</b>
	75.0	65.4	160.3	17,190		80.0	65.1	169.0	15,210
	<b>80.0</b>	<b>63.6</b>	<b>158.0</b>	<b>15,650</b>		<b>85.0</b>	<b>63.4</b>	<b>166.6</b>	<b>13,880</b>
	85.0	61.7	155.4	14,100		90.0	61.6	164.0	12,780
	<b>90.0</b>	<b>59.7</b>	<b>152.5</b>	<b>13,000</b>		<b>95.0</b>	<b>59.7</b>	<b>161.1</b>	<b>11,680</b>
	95.0	57.7	149.4	11,900		100.0	57.9	158.2	10,800
	<b>100.0</b>	<b>55.7</b>	<b>146.1</b>	<b>11,020</b>		<b>105.0</b>	<b>56.0</b>	<b>154.9</b>	<b>9,920</b>
	105.0	53.6	142.5	10,140		110.0	54.0	151.3	9,030
	<b>110.0</b>	<b>51.5</b>	<b>138.7</b>	<b>9,470</b>		<b>115.0</b>	<b>52.0</b>	<b>147.5</b>	<b>8,370</b>
115.0	49.3	134.6	8,810	120.0	50.0	143.6	7,710		
<b>120.0</b>	<b>47.1</b>	<b>130.2</b>	<b>8,150</b>	<b>125.0</b>	<b>47.8</b>	<b>139.0</b>	<b>7,270</b>		
125.0	44.7	125.3	7,490	130.0	45.6	134.3	6,830		
<b>130.0</b>	<b>42.2</b>	<b>119.9</b>	<b>7,050</b>	<b>135.0</b>	<b>43.4</b>	<b>129.4</b>	<b>6,170</b>		
135.0	39.6	114.1	6,610	140.0	41.0	123.8	5,730		
<b>140.0</b>	<b>36.9</b>	<b>107.8</b>	<b>*6,170</b>	<b>145.0</b>	<b>38.5</b>	<b>117.7</b>	<b>*5,290</b>		
145.0	34.0	100.8	*5,510	150.0	35.8	111.0	*4,850		
<b>150.0</b>	<b>30.8</b>	<b>92.7</b>	<b>*4,850</b>	<b>155.0</b>	<b>33.0</b>	<b>103.7</b>	<b>*4,180</b>		
155.0	27.3	83.7	*4,180	160.0	29.9	95.4	*3,520		
<b>160.0</b>	<b>23.3</b>	<b>73.0</b>	<b>*3,520</b>	<b>165.0</b>	<b>26.5</b>	<b>86.0</b>	<b>*3,080</b>		
<b>190</b>	<b>32.0</b>	<b>81.6</b>	<b>193.7</b>	<b>*29,540</b>	<b>200</b>	<b>34.0</b>	<b>81.5</b>	<b>203.5</b>	<b>*25,790</b>
	34.0	81.0	193.4	*28,880		36.0	80.9	203.2	*25,350
	<b>36.0</b>	<b>80.4</b>	<b>193.1</b>	<b>*28,430</b>		<b>38.0</b>	<b>80.3</b>	<b>202.9</b>	<b>*24,910</b>
	38.0	79.8	192.7	*27,990		40.0	79.7	202.5	*24,470
	<b>40.0</b>	<b>79.2</b>	<b>192.4</b>	<b>*27,550</b>		<b>45.0</b>	<b>78.3</b>	<b>201.6</b>	<b>*23,360</b>
	45.0	77.6	191.3	*26,450		50.0	76.8	200.4	*22,480
	<b>50.0</b>	<b>76.1</b>	<b>190.1</b>	<b>*25,350</b>		<b>55.0</b>	<b>75.3</b>	<b>199.2</b>	<b>*21,380</b>
	55.0	74.5	188.8	*24,250		60.0	73.8	197.8	*19,840
	<b>60.0</b>	<b>73.0</b>	<b>187.4</b>	<b>*22,700</b>		<b>65.0</b>	<b>72.3</b>	<b>196.2</b>	<b>*18,510</b>
	65.0	71.4	185.8	20,500		70.0	70.8	194.6	*16,970
	<b>70.0</b>	<b>69.8</b>	<b>184.0</b>	<b>18,510</b>		<b>75.0</b>	<b>69.3</b>	<b>192.8</b>	<b>*15,650</b>
	75.0	68.2	182.1	16,750		80.0	67.8	190.9	*14,550
	<b>80.0</b>	<b>66.5</b>	<b>179.9</b>	<b>15,210</b>		<b>85.0</b>	<b>66.2</b>	<b>188.7</b>	<b>13,440</b>
	85.0	64.9	177.8	13,660		90.0	64.6	186.4	12,340
	<b>90.0</b>	<b>63.2</b>	<b>175.3</b>	<b>12,560</b>		<b>95.0</b>	<b>63.0</b>	<b>183.9</b>	<b>11,240</b>
	95.0	61.5	172.7	11,460		100.0	61.4	181.3	10,360
	<b>100.0</b>	<b>59.7</b>	<b>169.7</b>	<b>10,580</b>		<b>105.0</b>	<b>59.8</b>	<b>178.5</b>	<b>9,470</b>
	105.0	58.0	166.8	9,700		110.0	58.1	175.5	8,590
	<b>110.0</b>	<b>56.2</b>	<b>163.6</b>	<b>9,030</b>		<b>115.0</b>	<b>56.4</b>	<b>172.3</b>	<b>7,930</b>
	115.0	54.3	160.0	8,370		120.0	54.6	168.7	7,270
	<b>120.0</b>	<b>52.5</b>	<b>156.4</b>	<b>7,710</b>		<b>125.0</b>	<b>52.9</b>	<b>165.2</b>	<b>*6,610</b>
125.0	50.5	152.3	7,050	130.0	51.0	161.1	*5,950		
<b>130.0</b>	<b>48.5</b>	<b>148.0</b>	<b>6,610</b>	<b>135.0</b>	<b>49.2</b>	<b>157.1</b>	<b>*5,290</b>		
135.0	46.5	143.5	6,170	140.0	47.2	152.4	*4,620		
<b>140.0</b>	<b>44.4</b>	<b>138.6</b>	<b>5,730</b>	<b>145.0</b>	<b>45.2</b>	<b>147.6</b>	<b>*4,180</b>		
145.0	42.1	133.1	*5,290	150.0	43.2	142.6	*3,520		
<b>150.0</b>	<b>39.8</b>	<b>127.3</b>	<b>*4,850</b>	<b>155.0</b>	<b>41.0</b>	<b>136.9</b>	<b>*3,080</b>		
155.0	37.4	121.1	*4,180						
<b>160.0</b>	<b>34.8</b>	<b>114.1</b>	<b>*3,740</b>						
165.0	32.1	106.7	*3,300						

# CK1000 Jib Lifting Capacity

## LIFT CRANE SERVICE

Refer to notes page 4.

80 ft Boom					90 ft Boom												
Load Radius (ft)	30 ft Jib Offset Angle		40 ft Jib Offset Angle		50 ft Jib Offset Angle		60 ft Jib Offset Angle		Load Radius (ft)	30 ft Jib Offset Angle		40 ft Jib Offset Angle		50 ft Jib Offset Angle		60 ft Jib Offset Angle	
	10°	30°	10°	30°	10°	30°	10°	30°		10°	30°	10°	30°	10°	30°	10°	30°
30	*24,000								32	*24,000							
32	*24,000								34	*24,000							
34	*24,000		*24,000						36	*24,000		*24,000					
36	*24,000		*24,000						38	*24,000		*24,000			*20,000		
38	*24,000	*21,000	*24,000			*20,000			40	*24,000	*21,000	*24,000			*20,000		
40	*24,000	*21,000	*24,000			*20,000		*18,000	45	*24,000	*21,000	*24,000			*20,000		*18,000
45	*24,000	*20,700	*24,000	*15,360		*20,000		*18,000	50	*24,000	*20,100	*24,000	*14,810		*20,000		*18,000
50	*24,000	*19,510	*24,000	*14,480		*20,000		*17,850	55	*24,000	*19,020	*23,890	*14,020		*19,550	*11,300	*16,970
55	*24,000	*18,380	*22,480	*13,640		*18,560	*11,080	*16,180	60	*24,000	*18,120	*22,020	*13,330		*18,000	*10,730	*15,630
60	*24,000	*17,500	*20,700	*12,980		*17,080	*10,490	*14,850	65	22,660	*17,320	*20,410	*12,360		*16,730	*10,250	*14,460
65	22,920	*16,710	*19,180	*12,360		*15,800	*9,980	*13,730	70	20,540	*16,620	*19,040	*12,760		*15,580	*9,780	*13,470
70	20,810	*16,020	*17,870	*11,830		*14,720	*9,540	*12,760	75	18,620	*15,960	*17,760	*12,230		*14,520	*9,360	*12,520
75	18,910	*15,380	*16,660	*11,350		*13,710	*9,100	*11,860	80	17,080	*15,430	*16,730	*11,720		*13,660	*8,990	*11,770
80	17,370	*14,850	*15,670	*10,930		*12,870	*8,730	*11,130	85	15,760	*14,940	*15,800	*11,300		*12,890	*8,680	*11,080
85	16,020		*14,810	*10,560		*12,140	*8,420	*10,470	90	14,570		14,740	*10,930		*12,210	*8,370	*10,470
90	14,850		*14,040	*10,250		*11,500	*8,130	*9,870	95	13,470		13,620	*10,580		*11,570	*8,110	*9,890
95	13,750		*13,310			*10,890	*7,840	*9,320	100	12,540		12,690	*10,270		*11,020	*7,870	*9,390
100	12,830		*12,690			*10,360	*7,620	*8,860	105	11,700		11,860			*10,530	*7,640	*8,950
105			12,120			*9,890		*8,440	110			10,080			*10,070		*8,550
110			*12,350			*9,470		*8,060	115			10,360			*9,650		*8,150
115						*9,080		*7,690	120						*9,300		*7,820
120								*7,380	125						*8,970		*7,530
125								*7,120	130								*7,270
									135								*7,010

100 ft Boom					110 ft Boom												
Load Radius (ft)	30 ft Jib Offset Angle		40 ft Jib Offset Angle		50 ft Jib Offset Angle		60 ft Jib Offset Angle		Load Radius (ft)	30 ft Jib Offset Angle		40 ft Jib Offset Angle		50 ft Jib Offset Angle		60 ft Jib Offset Angle	
	10°	30°	10°	30°	10°	30°	10°	30°		10°	30°	10°	30°	10°	30°	10°	30°
32	*24,000								30								
34	*24,000								32								
36	*24,000		*24,000						34	*24,000							
38	*24,000		*24,000						36	*24,000							
40	*24,000		*24,000			*20,000			38	*24,000		*24,000					
45	*24,000	*21,000	*24,000			*20,000		18,000	40	*24,000		*24,000					
50	*24,000	*20,650	*24,000	*15,100		*20,000		18,000	45	*24,000	*21,000	*24,000			*20,000		*18,000
55	*24,000	*19,570	*24,000	*14,320		*20,000	*11,500	*17,720	50	*24,000	*21,000	*24,000	*15,360		*20,000		*18,000
60	*24,000	*18,690	*23,280	*13,660		*18,930	*10,950	*16,350	55	*24,000	*20,100	*24,000	*14,610		*20,000		*18,000
65	22,440	*17,900	*21,620	*13,090		*17,590	*10,470	*15,160	60	*24,000	*19,220	*24,000	*13,970		*19,810	*11,150	*17,040
70	20,320	*17,190	*20,190	*12,560		*16,420	*10,030	*14,130	65	22,260	*18,430	22,500	*13,400		*18,430	*10,670	*15,820
75	18,400	*16,510	18,620	*12,050		*15,340	*9,610	*13,160	70	20,150	*17,700	20,370	*12,870		*17,230	*10,250	*14,770
80	16,860	*15,960	17,060	*11,640		*14,440	*9,230	*12,360	75	18,230	*17,040	18,450	*12,380		*16,110	*9,830	*13,800
85	15,520	*15,450	15,710	*11,260		*13,640	*8,920	*11,660	80	16,680	*16,460	16,880	*11,940		*15,160	*9,470	*12,960
90	14,320	14,570	14,500	*10,910		*12,910	*8,610	*11,040	85	15,340	15,650	15,520	*11,570		*14,350	*9,140	*12,230
95	13,220	13,420	13,380	*10,580		*12,230	*8,330	*10,420	90	14,150	14,440	14,320	*11,220		*13,600	*8,840	*11,590
100	12,270		12,450	*10,310		*11,660	*8,090	*9,920	95	13,020	13,270	13,200	*10,890		*12,890	*8,550	*10,950
105	11,460		11,590			*11,150	*7,870	*9,450	100	12,100	12,320	12,250	*10,600		*12,300	*8,310	*10,420
110	10,690		10,840			*10,670	*7,690	*9,030	105	11,260		11,410	*10,330		*11,530	*8,090	*9,940
115	9,980		10,110			*10,200		*8,610	110	10,510		10,640	*10,110		10,780	*7,890	*9,500
120			9,470			9,590		*8,280	115	9,780		9,920			10,030	*7,690	*9,080
125			*8,860			9,010		*7,950	120	9,170		9,300			9,390		*8,700
130						8,480		*7,670	125	*8,420		8,730			8,810		*8,370
135						*7,800		*7,400	130			8,200			8,280		*8,060
140								*7,140	135			*7,420			7,800		*7,780
145								*6,810	140						*7,250		7,380
									145								6,960
									150								*6,370

# CK1000 Jib Lifting Capacity

## LIFT CRANE SERVICE

Refer to notes page 4.

120 ft Boom					130 ft Boom												
Load Radius (ft)	30 ft Jib Offset Angle		40 ft Jib Offset Angle		50 ft Jib Offset Angle		60 ft Jib Offset Angle		Load Radius (ft)	30 ft Jib Offset Angle		40 ft Jib Offset Angle		50 ft Jib Offset Angle		60 ft Jib Offset Angle	
	10°	30°	10°	30°	10°	30°	10°	30°		10°	30°	10°	30°	10°	30°	10°	30°
32									32								
34									34								
36	<b>*24,000</b>								36								
38	<b>*24,000</b>								38	<b>*24,000</b>							
40	<b>*24,000</b>				<b>*24,000</b>				40	<b>*24,000</b>							
45	<b>*24,000</b>	<b>*21,000</b>	<b>*24,000</b>		<b>*20,000</b>				45	<b>*24,000</b>		<b>*24,000</b>		<b>*20,000</b>			
50	<b>*24,000</b>	<b>*21,000</b>	<b>*24,000</b>		<b>*20,000</b>		<b>*18,000</b>		50	<b>*24,000</b>	<b>*21,000</b>	<b>*24,000</b>		<b>*20,000</b>		<b>*18,000</b>	
55	<b>*24,000</b>	<b>*20,560</b>	<b>*24,000</b>	<b>*14,880</b>	<b>*20,000</b>		<b>*18,000</b>		55	<b>*24,000</b>	<b>*20,980</b>	<b>*24,000</b>	<b>*15,100</b>	<b>*20,000</b>		<b>*18,000</b>	
60	<b>*24,000</b>	<b>*19,680</b>	<b>*24,000</b>	<b>*14,240</b>	<b>*20,000</b>	<b>*11,330</b>	<b>*17,720</b>		60	<b>*24,000</b>	<b>*20,120</b>	<b>*24,000</b>	<b>*14,500</b>	<b>*20,000</b>	<b>*11,480</b>	<b>*18,000</b>	
65	21,970	18,910	22,240	13,690	19,240	10,860	16,460	9,080	65	21,730	19,350	22,000	13,930	20,010	11,020	17,100	
70	<b>19,860</b>	<b>*18,180</b>	<b>20,100</b>	<b>*13,160</b>	<b>*18,010</b>	<b>*10,420</b>	<b>*15,380</b>	<b>*8,700</b>	70	<b>19,620</b>	<b>*18,650</b>	<b>19,860</b>	<b>*13,420</b>	<b>*18,760</b>	<b>*10,620</b>	<b>*16,000</b>	<b>*8,840</b>
75	17,940	17,500	18,160	12,670	16,840	10,030	14,390	8,350	75	17,680	17,960	17,920	12,940	17,570	10,200	14,960	8,480
80	<b>16,400</b>	<b>16,790</b>	<b>16,620</b>	<b>*12,250</b>	<b>*15,890</b>	<b>*9,670</b>	<b>*13,550</b>	<b>*8,040</b>	80	<b>16,130</b>	<b>16,600</b>	<b>16,350</b>	<b>*12,520</b>	<b>16,530</b>	<b>*9,850</b>	<b>*14,100</b>	<b>*8,170</b>
85	15,050	15,410	15,250	11,860	15,030	9,340	12,780	7,730	85	14,790	15,180	14,990	12,140	15,160	9,540	13,330	7,890
90	<b>13,860</b>	<b>14,170</b>	<b>14,040</b>	<b>*11,500</b>	<b>14,190</b>	<b>*9,060</b>	<b>*12,120</b>	<b>*7,470</b>	90	<b>13,600</b>	<b>13,950</b>	<b>13,800</b>	<b>*11,770</b>	<b>13,950</b>	<b>*9,230</b>	<b>*12,630</b>	<b>*7,620</b>
95	12,740	13,020	12,910	11,170	13,050	8,770	11,480	7,230	95	12,470	12,780	12,650	11,440	12,800	8,950	11,970	7,360
100	<b>11,790</b>	<b>12,050</b>	<b>11,970</b>	<b>*10,860</b>	<b>12,100</b>	<b>*8,500</b>	<b>*10,930</b>	<b>*7,010</b>	100	<b>11,530</b>	<b>11,810</b>	<b>11,700</b>	<b>*11,130</b>	<b>11,860</b>	<b>*8,700</b>	<b>*11,410</b>	<b>*7,140</b>
105	10,950	11,170	11,130	10,600	11,260	8,280	10,420	6,790	105	10,690	10,950	10,860	10,860	11,000	8,480	10,890	6,940
110	<b>10,200</b>		<b>10,360</b>	<b>*10,360</b>	<b>10,490</b>	<b>*8,060</b>	<b>*9,960</b>	<b>*6,610</b>	110	<b>9,940</b>	<b>10,160</b>	<b>10,090</b>	<b>10,420</b>	<b>10,220</b>	<b>*8,260</b>	<b>10,310</b>	<b>*6,740</b>
115	9,470		9,630	9,870	9,740	8,780	9,520	6,410	115	9,210		9,360	9,650	9,470	8,040	9,560	6,560
120	<b>8,860</b>		<b>8,990</b>		<b>9,100</b>	<b>*7,690</b>	<b>*9,140</b>	<b>*6,260</b>	120	<b>8,570</b>		<b>8,730</b>	<b>8,990</b>	<b>8,840</b>	<b>*7,870</b>	<b>8,920</b>	<b>*6,390</b>
125	8,280		8,420		8,530	7,530	8,610	6,100	125	8,020		8,150		8,260	7,710	8,350	6,230
130	<b>*7,690</b>		<b>7,890</b>		<b>8,000</b>		<b>8,060</b>	<b>*5,970</b>	130	<b>7,490</b>		<b>7,620</b>		<b>7,730</b>	<b>*7,560</b>	<b>7,820</b>	<b>*6,100</b>
135	*6,830		7,420		7,510		7,580	5,860	135	*6,940		7,140		7,250		7,310	5,970
140			<b>*6,700</b>		<b>7,030</b>		<b>7,090</b>		140	<b>*6,150</b>		<b>6,670</b>		<b>6,760</b>		<b>6,830</b>	<b>*5,860</b>
145					*6,540		6,670		145			*6,040		6,340		6,410	
150					<b>*5,880</b>		<b>6,300</b>		150			<b>*5,370</b>		<b>*5,860</b>		<b>6,040</b>	
155							*5,730		155					*5,260		*5,620	
160							<b>*5,090</b>		160					<b>*4,650</b>		<b>*5,040</b>	
165									165							*4,540	
170									170							<b>*4,010</b>	

140 ft Boom					150 ft Boom												
Load Radius (ft)	30 ft Jib Offset Angle		40 ft Jib Offset Angle		50 ft Jib Offset Angle		60 ft Jib Offset Angle		Load Radius (ft)	30 ft Jib Offset Angle		40 ft Jib Offset Angle		50 ft Jib Offset Angle		60 ft Jib Offset Angle	
	10°	30°	10°	30°	10°	30°	10°	30°		10°	30°	10°	30°	10°	30°	10°	30°
40	<b>*24,000</b>								45	<b>*24,000</b>		<b>*24,000</b>					
45	<b>*24,000</b>								50	<b>*24,000</b>	<b>*21,000</b>	<b>*24,000</b>		<b>*20,000</b>			
50	<b>*24,000</b>	<b>*21,000</b>	<b>*24,000</b>		<b>*20,000</b>				55	<b>*24,000</b>	<b>*21,000</b>	<b>*24,000</b>		<b>*20,000</b>		<b>*18,000</b>	
55	<b>*24,000</b>	<b>*21,000</b>	<b>*24,000</b>	<b>*15,320</b>	<b>*20,000</b>		<b>*18,000</b>		60	23,800	<b>*20,890</b>	<b>*24,000</b>	<b>*14,920</b>	<b>*20,000</b>		<b>*18,000</b>	
60	<b>23,980</b>	<b>*20,540</b>	<b>*24,000</b>	<b>*14,720</b>	<b>*20,000</b>		<b>*18,000</b>		65	<b>21,270</b>	<b>*20,150</b>	<b>21,580</b>	<b>*14,390</b>	<b>*20,000</b>	<b>*11,330</b>	<b>*18,000</b>	
65	21,450	19,770	21,730	14,170	20,000	11,170	17,700		70	19,150	19,440	19,420	13,910	19,640	10,930	17,120	9,060
70	<b>19,330</b>	<b>*19,060</b>	<b>19,590</b>	<b>*13,690</b>	<b>*19,480</b>	<b>*10,780</b>	<b>*16,570</b>	<b>*8,950</b>	75	<b>17,210</b>	<b>17,810</b>	<b>17,480</b>	<b>*13,420</b>	<b>17,680</b>	<b>*10,530</b>	<b>*16,040</b>	<b>*8,700</b>
75	17,390	17,940	17,650	13,180	17,850	10,380	15,520	8,590	80	15,670	16,200	15,890	13,000	16,090	10,200	15,160	8,420
80	<b>15,850</b>	<b>16,330</b>	<b>16,090</b>	<b>*12,760</b>	<b>16,260</b>	<b>*10,030</b>	<b>*14,630</b>	<b>*8,310</b>	85	<b>14,300</b>	<b>14,790</b>	<b>14,520</b>	<b>*12,630</b>	<b>14,700</b>	<b>*9,870</b>	<b>*14,350</b>	<b>*8,130</b>
85	14,480	14,940	14,720	12,380	14,880	9,720	13,840	8,020	90	13,110	13,530	13,310	12,270	13,490	9,590	13,620	7,890
90	<b>13,290</b>	<b>13,690</b>	<b>13,510</b>	<b>*12,030</b>	<b>13,660</b>	<b>*9,430</b>	<b>*13,130</b>	<b>*7,760</b>	95	<b>11,990</b>	<b>12,360</b>	<b>12,190</b>	<b>*11,920</b>	<b>12,340</b>	<b>*9,300</b>	<b>12,450</b>	<b>*7,620</b>
95	12,160	12,540	12,360	11,680	12,520	9,120	12,450	7,510	100	11,040	11,390	11,240	11,610	11,390	9,060	11,500	7,400
100	<b>11,220</b>	<b>11,550</b>	<b>11,410</b>	<b>*11,370</b>	<b>11,570</b>	<b>*8,880</b>	<b>11,680</b>	<b>*7,270</b>	105	<b>10,200</b>	<b>10,510</b>	<b>10,380</b>	<b>10,820</b>	<b>10,530</b>	<b>*8,810</b>	<b>10,640</b>	<b>*7,200</b>
105	10,380	10,690	10,580	10,970	10,710	8,660	10,820	7,070	110	9,430	9,720	9,610	10,030	9,760	8,590	9,850	7,010
110	<b>9,630</b>	<b>9,890</b>	<b>9,810</b>	<b>10,180</b>	<b>9,940</b>	<b>*8,440</b>	<b>10,050</b>	<b>*6,870</b>	115	<b>8,700</b>	<b>8,970</b>	<b>8,860</b>	<b>9,230</b>	<b>9,010</b>	<b>*8,390</b>	<b>9,100</b>	<b>*6,830</b>
115	8,900	9,120	9,060	9,410	9,190	8,220	9,300	6,700	120	8,090	8,310	8,240	8,570	8,370	8,200	8,460	6,650
120	<b>8,260</b>	<b>8,480</b>	<b>8,420</b>	<b>8,730</b>	<b>8,550</b>	<b>*8,040</b>	<b>8,660</b>	<b>*6,520</b>	125	<b>7,510</b>	<b>7,710</b>	<b>7,670</b>	<b>7,950</b>	<b>7,780</b>	<b>*8,020</b>	<b>7,870</b>	<b>*6,500</b>
125	7,690		7,840	8,130	7,980	7,870	8,060	6,370	130	6,980		7,140	7,400	7,250	7,620	7,340	6,370
130	<b>7,180</b>		<b>7,310</b>		<b>7,450</b>	<b>*7,710</b>	<b>7,530</b>	<b>*6,230</b>	135	<b>6,500</b>		<b>6,630</b>		<b>6,740</b>	<b>7,090</b>	<b>6,830</b>	<b>*6,210</b>
135	6,700		6,830		6,940	7,250	7,030	6,100	140	*6,010		6,170		6,260	6,590	6,340	6,080
140	<b>*6,060</b>		<b>6,370</b>		<b>6,450</b>		<b>6,540</b>	<b>*5,970</b>	145	<b>5,750</b>		<b>5,750</b>		<b>5,840</b>		<b>5,930</b>	<b>*5,970</b>
145	*5,400		*5,880		6,040		6,120	5,860	150	*4,820		*4,820		5,460		5,530	5,880
150	<b>*4,760</b>		<b>*5,290</b>		<b>*5,640</b>		<b>5,730</b>		155	<b>*4,250</b>		<b>*4,690</b>		<b>*4,980</b>		<b>*5,150</b>	
155			*4,690		*5,090		*5,350		160	*3,650		*4,140		*4,450		*4,670	
160			<b>*4,070</b>		<b>*4,540</b>		<b>*4,820</b>		165			<b>*3,610</b>		<b>*3,990</b>		<b>*4,230</b>	
165					*4,010		*4,340		170					*3,520		*3,790	
170					<b>*3,500</b>		<b>*3,880</b>		175					<b>*3,060</b>		<b>*3,370</b>	
175							*3,410										

# CK1000 Jib Lifting Capacity

## LIFT CRANE SERVICE

Refer to notes page 4.

160 ft Boom					170 ft Boom												
Load Radius (ft)	30 ft Jib Offset Angle		40 ft Jib Offset Angle		50 ft Jib Offset Angle		60 ft Jib Offset Angle		Load Radius (ft)	30 ft Jib Offset Angle		40 ft Jib Offset Angle		50 ft Jib Offset Angle		60 ft Jib Offset Angle	
	10°	30°	10°	30°	10°	30°	10°	30°		10°	30°	10°	30°	10°	30°	10°	30°
	45	*24,000									40	*24,000					
50	*24,000		*24,000						45	*24,000							
55	*24,000	*21,000	*24,000		*20,000		*18,000		50	*24,000		*24,000		*20,000		*18,000	
60	23,720	*21,000	*24,000	*15,120	*20,000		*18,000		55	*24,000	*21,000	*24,000		*20,000		*18,000	
65	21,180	*20,500	21,470	*14,590	*20,000	*11,400	*18,000		60	23,500	*21,000	23,800	*15,290	*20,000		*18,000	
70	19,040	19,730	19,310	*14,100	19,530	*11,060	*17,650	*9,140	65	20,940	*20,830	21,250	*14,770	*20,000		*18,000	
75	17,100	17,720	17,370	*13,640	17,570	*10,670	*16,570	*8,810	70	18,820	19,530	19,090	*14,300	19,310		*18,000	
80	15,540	16,090	17,580	*13,220	15,980	*10,330	*15,670	*8,530	75	16,880	17,520	17,150	*13,840	17,350	*10,800	*17,080	*8,900
85	14,190	14,680	14,410	*12,850	14,590	*10,030	14,700	*8,240	80	15,320	15,890	15,560	*14,320	15,760	*10,490	15,890	*8,610
90	12,980	13,440	13,200	*12,500	13,350	*9,740	13,490	*8,000	85	13,950	14,480	14,170	*13,050	14,370	*10,180	14,500	*8,350
95	11,860	12,270	12,050	*12,140	12,210	*9,450	12,340	*7,760	90	12,740	13,240	12,960	*12,690	13,130	*9,890	13,270	*8,110
100	10,910	11,280	11,110	11,640	11,260	*9,210	11,370	*7,530	95	11,610	12,050	11,810	*12,360	11,190	*9,610	12,100	*7,870
105	10,070	10,400	10,250	10,730	10,400	*8,970	10,490	*7,310	100	10,670	11,080	10,860	11,440	11,020	*9,360	11,150	*7,640
110	9,300	9,610	9,470	9,920	9,610	*8,770	9,720	*7,140	105	9,810	10,200	10,000	10,530	10,160	*9,120	10,270	*7,450
115	8,550	8,840	8,730	9,120	8,860	*8,550	8,970	*6,940	110	9,060	9,390	9,230	9,720	9,390	*8,900	9,470	*7,250
120	7,930	8,200	8,090	8,460	8,220	*8,350	8,310	*6,790	115	8,310	8,610	8,480	8,920	8,610	*8,680	8,730	*7,050
125	7,360	7,580	7,510	7,840	7,620	8,090	7,730	*6,610	120	7,670	7,980	7,840	8,240	7,980	8,500	8,090	*6,900
130	6,830	7,030	6,960	7,270	7,090	7,510	7,180	*6,480	125	7,090	7,360	7,270	7,640	7,400	7,890	7,490	*6,740
135	6,320		6,480	6,760	6,590	6,980	6,670	*6,340	130	6,560	6,810	6,720	7,070	6,850	7,310	6,940	*6,590
140	5,860		5,990	6,260	6,100	6,450	6,190	*6,210	135	6,080	6,300	6,230	6,540	6,340	6,760	6,450	*6,450
145	*5,310		5,570		5,680	5,990	5,770	*6,080	140	5,590		5,750	6,040	5,860	6,260	5,950	*6,300
150	*4,760		*5,090		5,290	5,570	5,370	5,750	145	*5,040		*5,290	5,590	5,440	5,790	5,530	5,970
155	*4,230		*4,580		*4,800		*4,960	5,350	150	*4,540		*4,780		*4,960	5,370	*5,070	5,550
160	*3,680		*4,050		*4,320		*4,490	4,960	155	*4,030		*4,320		*4,490	*4,930	*4,620	5,150
165	*3,170		*3,590		*3,880		*4,050		160	*3,520		*3,810		*4,030		*4,160	*4,670
170			*3,100		*3,430		*3,650		165	*3,040		*3,370		*3,610		*3,760	*4,250
									170					*3,190		*3,370	
									175								

180 ft Boom					190 ft Boom												
Load Radius (ft)	30 ft Jib Offset Angle		40 ft Jib Offset Angle		50 ft Jib Offset Angle		60 ft Jib Offset Angle		Load Radius (ft)	30 ft Jib Offset Angle		40 ft Jib Offset Angle		50 ft Jib Offset Angle		60 ft Jib Offset Angle	
	10°	30°	10°	30°	10°	30°	10°	30°		10°	30°	10°	30°	10°	30°	10°	30°
	32	*24,000									45						
34	*24,000								50	*19,440							
36	*24,000		*24,000						55	*19,020		*18,950					
38	*24,000		*24,000						60	*18,620	*18,250	*18,560		*18,470		*18,000	
40	*24,000		*24,000		*20,000				65	*18,250	*17,870	*18,160	*15,100	*18,070		*17,960	
45	*24,000	*21,000	*24,000		*20,000		18,000		70	*17,870	*17,520	*17,810	*14,660	*17,700		*17,590	
50	*24,000	*20,650	*24,000	*15,100	*20,000		18,000		75	16,420	17,150	16,710	*14,190	16,930	*11,040	17,080	
55	*24,000	*19,570	*24,000	*14,320	*20,000	*11,500	*17,720		80	14,850	15,520	15,120	*13,800	15,320	*10,730	15,470	*8,790
60	*24,000	*18,690	*23,280	*13,660	*18,930	*10,950	*16,350		85	13,490	14,080	13,730	*13,420	13,930	*10,420	14,060	*8,550
65	22,440	*17,900	*21,620	*13,090	*17,590	*10,470	*15,160	*8,810	90	12,270	12,850	12,520	*13,090	12,690	*10,160	12,830	*8,310
70	20,320	*17,190	*20,190	*12,560	*16,420	*10,030	*14,130	*8,420	95	11,150	11,660	11,370	12,050	11,550	*9,870	11,680	*8,060
75	18,400	*16,510	18,620	*12,050	*15,340	*9,610	*13,160	*8,040	100	10,200	10,670	10,420	11,040	10,580	*9,630	10,710	*7,840
80	16,860	*15,960	17,060	*11,640	*14,440	*9,230	*12,360	*7,710	105	9,340	9,780	9,540	10,140	9,720	*9,410	9,830	*7,640
85	15,520	*15,450	15,710	*11,260	*13,640	*8,920	*11,660	*7,420	110	8,570	8,970	8,770	9,320	8,920	*9,190	9,030	*7,450
90	14,320	14,570	14,500	*10,910	*12,910	*8,610	*11,040	*7,160	115	7,840	8,200	8,020	8,530	8,170	8,810	*8,260	*7,270
95	13,220	13,420	13,380	*10,580	*12,230	*8,330	*10,420	*6,900	120	7,200	7,530	7,380	7,840	7,510	8,130	*7,580	*7,090
100	12,270		12,450	*10,310	*11,660	*8,090	*9,920	*6,670	125	6,630	6,940	6,790	7,230	*6,900	7,490	*6,940	*6,940
105	11,460		11,590		*11,150	*7,870	*9,450	*6,450	130	*6,040	6,370	6,190	6,650	*6,300	*6,870	*6,370	*6,790
110	10,690		10,840		*10,670	*7,690	*9,030	*6,280	135	*5,460	*5,790	*5,640	*6,080	*5,750	*6,300	*5,820	*6,480
115	9,980		10,110		*10,200		*8,610	*6,100	140	*4,890	*5,220	*5,070	*5,510	*5,200	*5,730	*5,260	*5,900
120			9,470		9,590		*8,280	*5,950	145	*4,380	*4,690	*4,580	*4,980	*4,710	*5,220	*4,780	*5,400
125			*8,860			9,010	*7,950		150	*3,920	*4,210	*4,120	*4,490	*4,250	*4,730	*4,340	*4,930
130					8,480		*7,670		155	*3,460		*3,680	*4,030	*3,810	*4,290	*3,900	*4,470
135						*7,800			160			*3,210		*3,370	*3,830	*3,480	*4,030
140							*7,140		165						*3,410	*3,080	*3,610
145							*6,810		170								*3,240

# CLAMSHELL

## Boom:

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

Basic boom length: 40 ft (12.2 m)

Max. boom length: 100 ft (30.5 m)

Limit on clamshell bucket weight: 4,600 lb (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-B-B-Tip
90 (27.4)	Base-A-C-Tip
100 (30.5)	Base-A-A-C-Tip

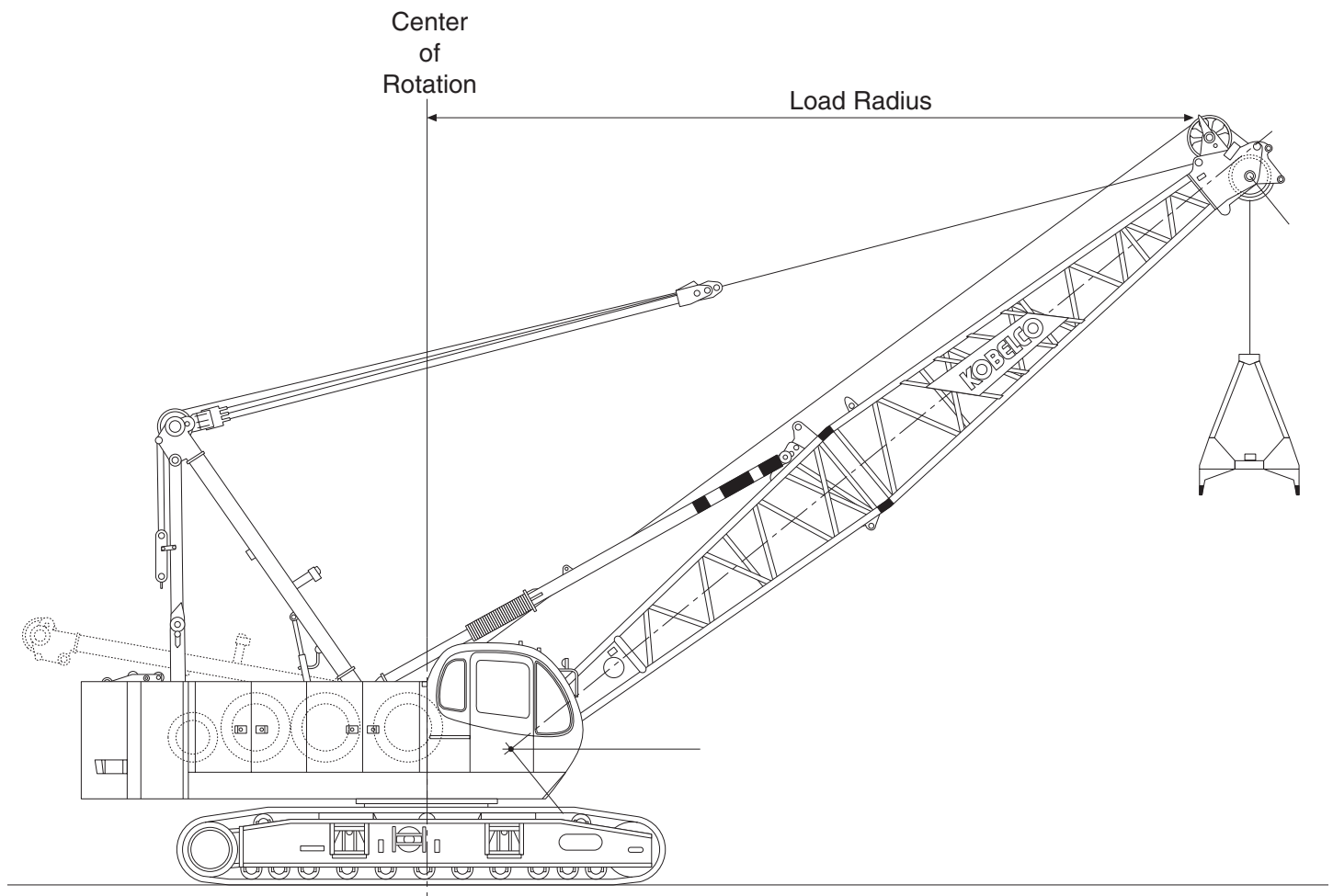
Base = 20 ft (6.10 m)

Insert: A = 10 ft (3.05 m)

B = 20 ft (6.10 m)

C = 40 ft (12.2 m)

Tip = 20 ft (6.10 m)



1. Figures represent maximum allowable capacity, and assume level, ground and ideal working conditions.
2. Capacities are calculated at 66% of the minimum tipping loads.
3. Capacities are maximum recommended by PCSA Standard #4. Allowances must be made by the user for such unfavorable conditions as a soft or uneven supporting surface, rapid cycle operations, or bucket suction.
4. The combined weight of the bucket and load must not exceed these capacities.
5. Boom length for clamshell operation should not exceed 100 ft (30.5 m).

# Rated Load

No. of Counterweight: 1 Position of Crawlers: Extended

Boom Length (ft)	Load Radius (ft)	Boom Angle (degree)	Rated Load (lbs)	Boom Length (ft)	Load Radius (ft)	Boom Angle (degree)	Rated Load (lbs)
<b>40</b>	<b>22</b>	<b>63.7</b>	<b>*22,000</b>	<b>50</b>	<b>26</b>	<b>64.3</b>	<b>*22,000</b>
	24	60.5	*22,000		28	61.7	*22,000
	<b>26</b>	<b>57.1</b>	<b>*22,000</b>		<b>30</b>	<b>59.7</b>	<b>*22,000</b>
	28	53.5	*22,000		32	56.3	*22,000
	<b>30</b>	<b>49.8</b>	<b>*22,000</b>		<b>34</b>	<b>53.5</b>	<b>*21,400</b>
	32	45.9	*22,000		36	50.5	*20,200
	<b>34</b>	<b>41.7</b>	<b>*21,400</b>		<b>38</b>	<b>47.4</b>	<b>*19,200</b>
	36	37.0	*20,200		40	44.2	*18,200
	<b>38</b>	<b>31.8</b>	<b>*19,200</b>		<b>42</b>	<b>40.7</b>	<b>*17,300</b>
40	25.7	*18,200	44	37.0	*16,500		
				<b>46</b>	<b>32.9</b>	<b>*15,800</b>	
				48	28.3	*15,200	
<b>60</b>	<b>30</b>	<b>64.6</b>	<b>*22,000</b>	<b>70</b>	<b>34</b>	<b>64.9</b>	<b>*21,400</b>
	32	62.5	*22,000		36	63.1	*20,200
	<b>34</b>	<b>60.3</b>	<b>*21,400</b>		<b>38</b>	<b>61.2</b>	<b>*19,200</b>
	36	58.1	*20,200		40	59.3	*18,200
	<b>38</b>	<b>55.8</b>	<b>*19,200</b>		<b>42</b>	<b>57.4</b>	<b>*17,300</b>
	40	53.4	*18,200		44	55.4	*16,500
	<b>42</b>	<b>51.0</b>	<b>*17,300</b>		<b>46</b>	<b>53.4</b>	<b>*15,800</b>
	44	48.4	*16,500		48	51.3	*15,200
	<b>46</b>	<b>45.8</b>	<b>*15,800</b>		<b>50</b>	<b>49.1</b>	<b>*14,600</b>
	48	43.0	*15,200		52	46.9	*14,600
	<b>50</b>	<b>40.1</b>	<b>*14,600</b>		<b>54</b>	<b>44.6</b>	<b>*13,500</b>
	52	37.0	*14,000		56	42.2	*13,000
	<b>54</b>	<b>33.6</b>	<b>*13,500</b>		<b>58</b>	<b>39.6</b>	<b>*12,500</b>
	56	29.9	*13,000		60	37.0	*12,100
<b>58</b>	<b>25.7</b>	<b>*12,500</b>	<b>62</b>	<b>34.1</b>	<b>*11,700</b>		
			64	31.0	*11,400		
			<b>66</b>	<b>27.6</b>	<b>*11,000</b>		



# Rated Load

No. of Counterweight: 1 Position of Crawlers: Extended

Boom Length (ft)	Load Radius (ft)	Boom Angle (degree)	Rated Load (lbs)	Boom Length (ft)	Load Radius (ft)	Boom Angle (degree)	Rated Load (lbs)
<b>80</b>	<b>38</b>	<b>65.1</b>	<b>*19,200</b>	<b>90</b>	<b>42</b>	<b>65.2</b>	<b>*17,300</b>
	40	63.5	*18,200		44	63.8	*16,500
	<b>42</b>	<b>61.9</b>	<b>*17,300</b>		<b>46</b>	<b>62.4</b>	<b>*15,800</b>
	44	60.2	*16,500		48	60.9	*15,200
	<b>46</b>	<b>58.6</b>	<b>*15,800</b>		<b>50</b>	<b>59.5</b>	<b>*14,600</b>
	48	56.9	*15,200		52	58.0	*14,000
	<b>50</b>	<b>55.1</b>	<b>*14,600</b>		<b>54</b>	<b>56.4</b>	<b>*13,500</b>
	52	53.3	*14,600		56	54.9	*13,900
	<b>54</b>	<b>51.5</b>	<b>*13,500</b>		<b>58</b>	<b>53.3</b>	<b>*12,500</b>
	56	49.6	*13,000		60	51.7	*12,100
	<b>58</b>	<b>47.7</b>	<b>*12,500</b>		<b>62</b>	<b>50.0</b>	<b>*11,700</b>
	60	45.7	*12,100		64	48.3	*11,400
	<b>62</b>	<b>43.7</b>	<b>*11,700</b>		<b>66</b>	<b>46.6</b>	<b>*11,000</b>
	64	41.5	*11,400		68	46.6	*10,700
	<b>66</b>	<b>39.3</b>	<b>*11,000</b>		<b>70</b>	<b>43.8</b>	<b>*10,400</b>
	68	37.0	*10,700		72	41.0	*10,100
<b>70</b>	<b>34.5</b>	<b>*10,400</b>	<b>74</b>	<b>39.0</b>	<b>9,700</b>		
72	31.8	*10,100	76	36.9	9,200		
<b>74</b>	<b>28.9</b>	<b>*9,800</b>	<b>78</b>	<b>34.7</b>	<b>9,000</b>		
76	25.7	*9,400	80	32.4	8,500		
				<b>82</b>	<b>29.9</b>	<b>8,300</b>	
				84	27.2	7,900	
<b>100</b>	<b>46</b>	<b>65.4</b>	<b>*15,800</b>				
	48	64.1	*15,200				
	<b>50</b>	<b>62.8</b>	<b>*14,600</b>				
	52	61.5	*14,000				
	<b>54</b>	<b>60.2</b>	<b>*13,500</b>				
	56	58.8	*13,000				
	<b>58</b>	<b>57.5</b>	<b>*12,500</b>				
	60	56.1	*12,100				
	<b>64</b>	<b>53.3</b>	<b>*11,400</b>				
	66	51.8	*11,000				
	<b>68</b>	<b>50.4</b>	<b>*10,700</b>				
	70	48.8	10,300				
	<b>72</b>	<b>47.3</b>	<b>9,900</b>				
	74	45.7	9,400				
	<b>76</b>	<b>44.1</b>	<b>9,000</b>				
	78	42.4	8,800				
<b>80</b>	<b>40.6</b>	<b>8,300</b>					
82	38.8	8,100					
<b>84</b>	<b>36.9</b>	<b>7,700</b>					
86	35.0	7,400					
<b>88</b>	<b>32.9</b>	<b>7,200</b>					
90	30.7	7,000					
<b>92</b>	<b>28.3</b>	<b>6,800</b>					
94	25.8	6,600					

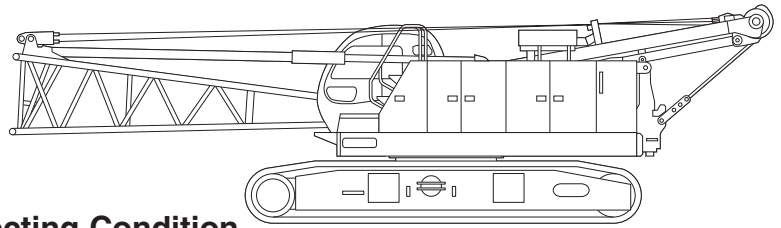
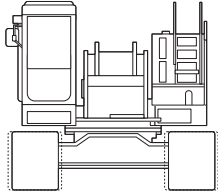
# TRANSPORTATION

## ■CK1000 Transportation Style 1

Base Machine, Boom Base with Crawlers

Weight: 99,770 lbs (45,250 kg)

Dimensions: 11' 4" height × 11' 10" width × 39' 11" length (3,450 mm × 3,610 mm × 12,170 mm)

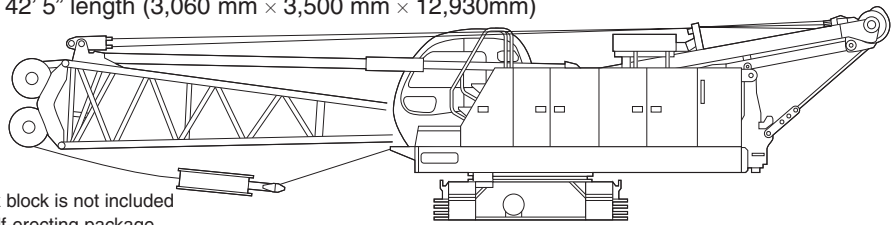
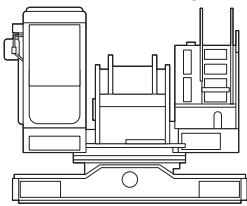


## ■CK1000 Transportation Style 2 Self-Erecting Condition

Base Machine, Boom Base without Crawlers

Weight: 71,100 lbs (32,250 kg)

Dimensions: 10' 0" height × 11' 6" width × 42' 5" length (3,060 mm × 3,500 mm × 12,930 mm)



Hook block is not included in self-erecting package

## ■CK1000 Transportation Style 3

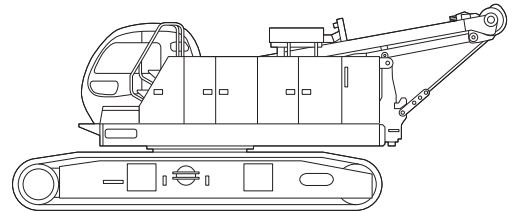
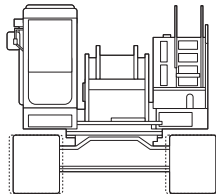
Base Machine with Crawlers

Weight:

96,780 lbs (43,900 kg)

Dimensions:

11' 4" height × 11' 10" width × 27' 7" length (3,450 mm × 3,610 mm × 8,410 mm)



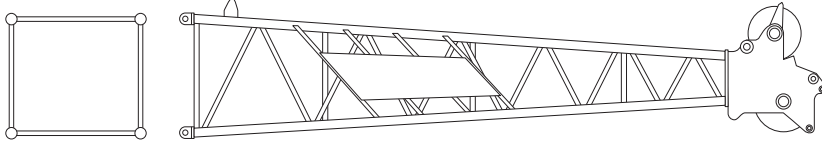
## ■Booms

Boom Tip:

2,580 lbs (1,170 kg)

4' 10" height × 4' 11" width × 22' 8" length

(1,480 mm × 1,505 mm × 6,910 mm)

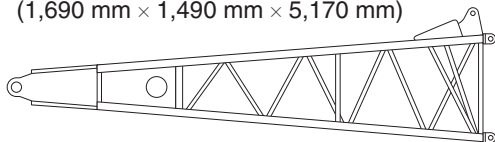


Boom Base:

2,510 lbs (1,140 kg)

5' 7" height × 4' 11" width × 19' 7" length

(1,690 mm × 1,490 mm × 5,170 mm)



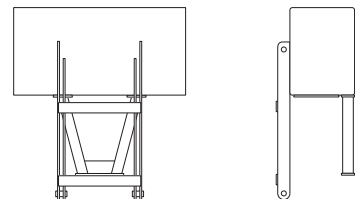
## ■Carbody Counterweights

Carbody Counterweights:

4,410 lbs (2,000 kg) × 2

1' 11" height × 4' 3" width × 4' 9" length

(590 mm × 1,300 mm × 1,450 mm)



## ■Counterweights

Counterweight (A)

Weight: 27,300 lbs (12,400 kg)

5' 6" height × 1' 11" width × 11' 10" length

(1,670 mm × 570 mm × 3,600 mm)

Counterweight (B)

Weight: 8,160 lbs (3,700 kg)

Dimensions: 5' 6" height × 1' width × 11' 10" length

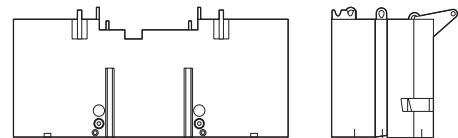
(1,660 mm × 300 mm × 3,600 mm)

Counterweight (C)

Weight: 27,560 lbs (12,500 kg)

Dimensions: 5' 4" height × 3' width × 11' 10" length

(1,640 mm × 910 mm × 3,600 mm)



(A) (B) (C)

## ■Other Attachments

Attachment	Weights	Dimensions (H × W × L)
10ft Insert Boom:	680 lbs (310 kg)	4' 3" × 4' 11" × 10' 5" (1,290 mm × 1,490 mm × 3,165 mm)
20ft Insert Boom:	1,150 lbs (520 kg)	4' 3" × 4' 11" × 20' 4" (1,290 mm × 1,490 mm × 6,210 mm)
40ft Insert Boom:	2,120 lbs (960 kg)	4' 3" × 4' 11" × 40' 4" (1,290 mm × 1,490 mm × 12,305 mm)
Jib Tip:	620 lbs (280 kg)	2' 7" × 2' 7" × 16' 3" (790 mm × 790 mm × 4,960 mm)
Jib Base:	440 lbs (200 kg)	2' 7" × 2' 7" × 15' 9" (790 mm × 790 mm × 4,810 mm)
10ft Insert Jib:	220 lbs (100 kg)	2' 7" × 2' 7" × 10' 3" (790 mm × 790 mm × 3,120 mm)
20ft Insert Jib:	400 lbs (180 kg)	2' 7" × 2' 7" × 20' 3" (790 mm × 790 mm × 6,160 mm)
Jib Strut	550 lbs (250 kg)	2' 2" × 2' 9" × 11' 11" (620 mm × 840 mm × 3,620 mm)
Upper Spreader:	600 lbs (270 kg)	2' 3" × 10.6" × 5' 2" (680 mm × 270 mm × 1,580 mm)

# CK1000

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**Note:** Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

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