

Hydraulic Crawler Crane

## **CK1600G**

Max. Lifting Capacity : 160 US Tons  
Max. Crane Boom Length : 250 ft  
Max. Fixed Jib Combination : 200 ft + 100 ft

Max. Lifting Capacity - Luffing: 79,000 lbs  
Max. Crane Boom Length : 157 ft  
Max. Luffing Jib Length : 175 ft



# **CK1600G**

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# CK1600G

## SPECIFICATIONS

### General Description



|                           |                                                            |
|---------------------------|------------------------------------------------------------|
| Type                      | Crawler mounted, Lattice boom, Hydraulic controlled        |
| Maximum lift capacity     | 320,000 lbs (145,200 kg) @ 15' operating radius (50' boom) |
| Basic boom length         | 50' (15.2 m)                                               |
| Maximum boom length       | 250' (76.2 m)                                              |
| Basic boom & jib length   | 90' + 40' (27.4 m + 12.2 m)                                |
| Maximum boom & jib length | 200' + 100' (61.0 m + 30.5 m)                              |
| Working weight            | Approx. 303,400 lbs (137,610 kg)                           |
| Ground bearing pressure   | Approx. 11.7 psi (106 kPa)                                 |
| Gradeability              | 30%                                                        |

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

### General Dimensions

|                                         |                 |
|-----------------------------------------|-----------------|
| Height to top of gantry (lowered)       | 11'9" (3.58 m)  |
| Width of upper machine w/operator's cab | 9'10" (2.99 m)* |
| Radius of rear end (counterweights)     | 18' (5.5 m)     |
| Counterweight ground clearance          | 4'5" (1.34 m)   |
| Center of rotation to boom foot pin     | 4'7" (1.40 m)   |
| Height from ground to boom foot pin     | 8'3" (2.53 m)   |
| Height over gantry (raised)             | 25'10" (7.89 m) |
| Overall length of crawlers              | 25'10" (7.89 m) |
| Overall width of crawlers               | 21'9" (6.62 m)  |
| Center to center, idler to sprocket     | 22'7" (6.89 m)  |
| *Shoe width                             | 48" (1.22 m)    |
| Ground clearance of body                | 1'7" (0.48 m)   |

### Working Speed

|                                                     |                                 |
|-----------------------------------------------------|---------------------------------|
| Hoist line speed (front and rear drums)             | 394 ~ 10 ft/min (120 ~ 3 m/min) |
| Lowering line speed (front and rear drums)          | 394 ~ 10 ft/min (120 ~ 3 m/min) |
| Boom hoist line speed (front and rear drums)        | 157 ~ 6.6 ft/min (48 ~ 2 m/min) |
| 2 minutes: 250' (76.2 m) boom raise 0 to 80 degrees |                                 |
| Boom lowering line speed (front and rear drums)     | 157 ~ 6.6 ft/min (48 ~ 2 m/min) |
| Swing speed (max.)                                  | 2.1 rpm                         |
| Travel speed (high/low)                             | 0.81/0.56 mph (1.3/0.9 km/h)    |

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

### Upper Machinery

#### Power Plant:

##### Diesel engine - make and model

Hino P11C-VC  
(complies with Interim "Tier 4")

##### No. of cylinders

6

##### Bore X stroke

4-13/16" x 5-7/8"  
(122 mm x 150 mm)

##### Cycles

4

##### Total displacement

642 cu.in. (10.520 l)

##### Rated output SAE GROSS

363 HP / 1,850 rpm (271 kW / 1,850 min<sup>-1</sup>)

##### Maximum torque

1,084 lbs-ft / 1,400 rpm (1,469 Nm / 1,400 min<sup>-1</sup>)

##### Starter

24 Volts / 6.0 kW

##### Alternator

24 Volts / 80 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 liters)

##### Lube oil filters

Full flow and by-pass type with element type.

##### Fuel filter

Replaceable paper element.



\* - 10'5" wide with Catwalks on cab side only.  
11' wide with Catwalks on both sides.



Self Lifting Device - Standard Equipment

### Counterweight and Carbody weight

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

|                      |                       |
|----------------------|-----------------------|
| Carbody weight       | 2 x 11,900 (5,400 kg) |
| Total Carbody weight | 23,800 (10,800 kg)    |



### Hydraulic system

Maximum pressure rating  
4,626 psi (31.9MPa)

Cooling  
Oil to air heat exchanger

Filtration  
Full flow filters with replaceable paper elements

Reservoir capacity  
141.3 US gal. (535 liters)

### Hydraulic pumps:

#### Load hoist and propel

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

#### Boom hoist

1 piston pump, max flow rate  
68.1 US gal/min (258 ℓ/min)

#### Swing

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

### Control system and auxiliary

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

### Brake cooling system

2 gear pumps, max flow rate  
19 US gal/min x 2 (73 ℓ/min x 2)

### Gantry

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

### Operators 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, and swing limiter are all standard features.

### Controls

At the operator's right are console-mounted adjustable short levers for the front and rear drum and the boom hoist control. Fine inching control, free fall activation switches, and drum indicators are built in to the levers. Beside the seat on the right are two short levers for propel control, plus individual speed dial controls for front, rear, and boom drums. At the left is the console mounted swing lever, an optional 3rd drum control, switches for the front, rear, and boom drum pawls, and the engine start/stop key. A swing brake control switch, horn button, and and throttle 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.



### *Line pull:*

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

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

## Lower Machinery

### *Crawlers:*

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

### *Crawler drive:*

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

### *Crawler brakes:*

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

### *Steering mechanism:*

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

### *Crawler shoe:*

60 shoes - 48" wide, each crawler.

### *Track rollers:*

The track rollers are sealed for maintenance free operation.

### *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 -*

666 mm P.C.D. x 672 mm Lg., grooved for 26 mm wire rope. Rope capacity is 902' (275 m) working length and 1,148' (350 m) storage length.

#### *Rear drum -*

666 mm P.C.D. x 672 mm Lg., grooved for 26 mm wire rope. Rope capacity is 837' (255 m) working length and 1,148' (350 m) storage length.

#### *3rd drum (optional) -*

614 mm P.C.D. x 617 mm Lg., grooved for 26 mm wire rope. Rope capacity is 787' (240 m) working length and 987' (300 m) storage length.



### Crane Attachments

#### Boom:

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

|                                           |               |
|-------------------------------------------|---------------|
| Maximum boom length                       | 250' (76.2 m) |
| Basic boom length                         | 50' (15.2 m)  |
| Boom base section                         | 25' (7.6 m)   |
| Boom tip section (with Taper insert boom) | 25' (7.6 m)   |

#### Boom insert (optional):

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

##### Boom insert

10' (3.1 m), 20' (6.1 m), 40' (12.2 m)

#### 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.

|                    |                          |
|--------------------|--------------------------|
| Maximum jib length | 100' (30.5 m)            |
| Basic jib length   | 40' (12.2 m)             |
| Jib base section   | 15' (4.6 m)              |
| Jib tip section    | 15' (4.6 m)              |
| Jib insert         | 10' (3.1 m), 20' (6.1 m) |

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

### Standard Equipment

#### Lights:

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

#### Gauges and warning display

##### Gauges

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

##### Warning display

- Battery charge
- Engine oil pressure
- Air cleaner
- Engine oil filter
- Control main pressure
- Hydraulic oil temperature
- DPF condition indicator

#### Others

- Air conditioner/heater
- Drum turn indicator (front/rear)
- Foot pedal / throttle
- Electric transfer pump
- Counterweight self-removal device
- KCross Telematics
- Self assembly sheaves in base boom with ATB

### Safety Service

- Function lock lever
- Swing Limiter
- 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 catwalk, handrails and ladder

### Tools and Accessories

A set of tools and accessories are furnished.

### Optional Equipment

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



#### Auxiliary sheave (optional):

Auxiliary sheave is extendible on booms of 50' (12.2 m) through 240' (73.2 m)  
Maximum line: 2 parts of 26 mm wire rope.

#### Boom hoist reeving:

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

#### Boom backstops:

Telescopic type with spring bumper

### G-Mode

The G-modes are a standard exclusive energy and fuel saving system, with up to 30% in fuel savings. 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):

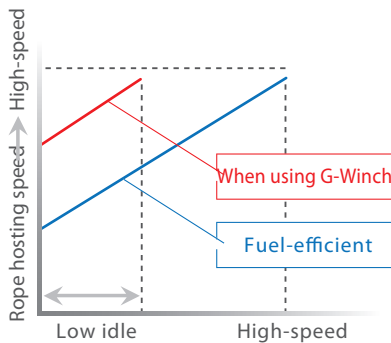
*An Industry First*

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.



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 1,850 RPM and controls the pumps to make engine operation in the most efficient condition.



**G-Engine**



**G-Winch**



**AIS**



#### Exhaust cleaning DPR:

The DPR (diesel particulate active reduction system) burns PM (particulate matter) collected by the DPF (diesel particulate filter) from the diesel exhaust gas, increasing the PM collection efficiency of the DPF, and recovering to purify the exhaust. This means that the exhaust gas from the diesel engine is cleaner, conforming with current EPA Interim Tier 4 regulations.

A new clean diesel system - although diesel engines consume less fuel and emit less CO<sub>2</sub> than gasoline engines, they also emit more harmful particulate matter and nitrogen oxide (NO<sub>x</sub>). The "new clean energy system" engine utilizes a DPF to reduce particulate matter, which is also kept to a minimum using negative ions. This system requires the use of low sulfur diesel.

\* Warning: High sulfur diesel will damage the engine.

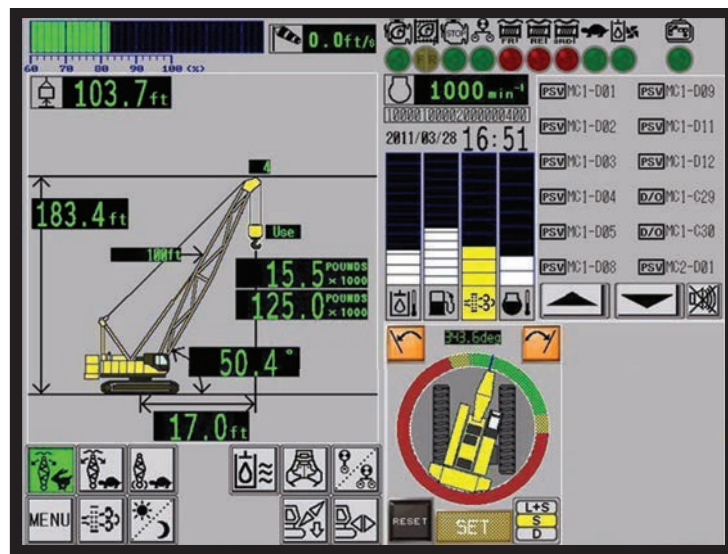
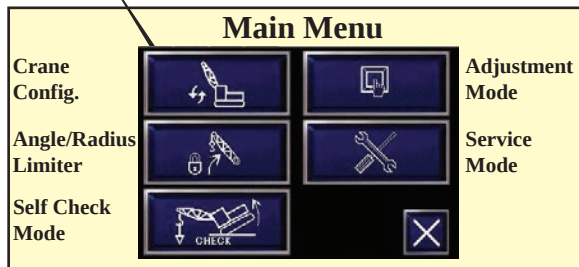
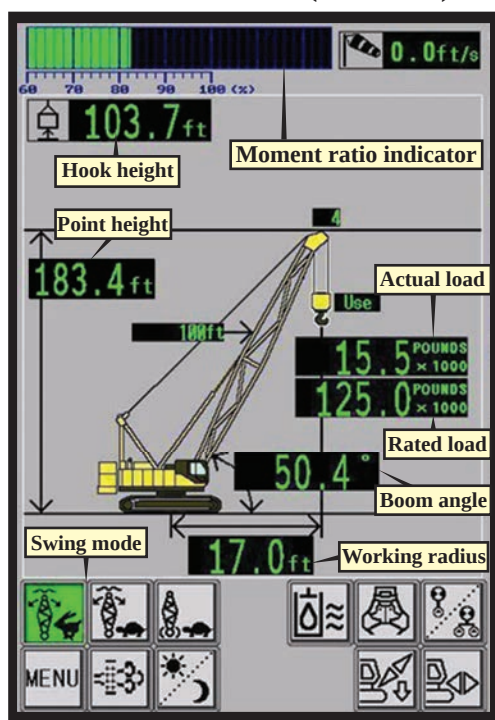
# CK1600G

## SPECIFICATIONS

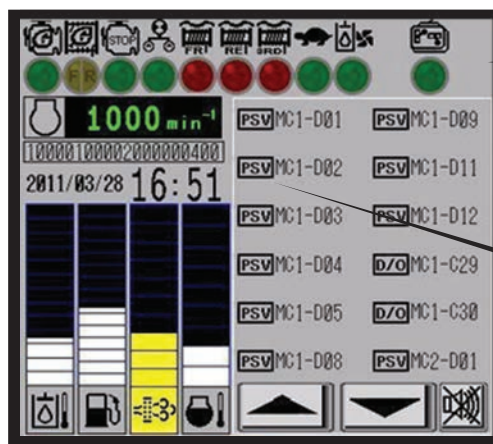
### Load Moment Indicator (LMI)

The Kobelco newly 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, Switches, and Error Messages.

#### Moment Limiter (Left Side)



#### Gauges (Right Side)



##### Display Lamp

Display lamp Remote control connection  
G-Engine Oil cooler operation  
G-Winch Free fall (auxiliary)  
AIS operation Free fall (3rd)  
Slow speed state

##### Error Message

Touch to display details in a pop-up window.

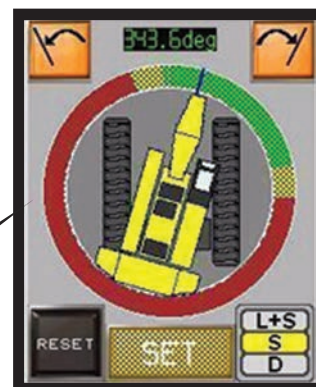
##### Gauges

Hydraulic oil temperature  
Fuel gauge  
Diesel particulate filter gauge  
Coolant temperature

\* Figures for the above gauges are only shown when the bar is touched.

#### 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.



### Winch Performance Data

#### Note:

Line speed and line pull based on Hino P11C-VC at 1,850 rpm.

Line speed and line pull based on single line.

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

#### Front & Rear Drum

Wire Rope Diameter = 26 mm

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

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

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

|                       |        | Line speed (ft/min) |     |     |     |     |         |
|-----------------------|--------|---------------------|-----|-----|-----|-----|---------|
|                       |        | Layer               | 1   | 2   | 3   | 4   | 5       |
| Line Pull<br>(lbs)    | 0      | 394                 | 420 | 446 | 472 | 498 |         |
|                       | 5,000  | 394                 | 420 | 446 | 472 | 498 |         |
|                       | 10,000 | 394                 | 420 | 446 | 472 | 498 |         |
|                       | 15,000 | 391                 | 390 | 390 | 390 | 390 |         |
|                       | 20,000 | 300                 | 300 | 300 | 300 | 300 | storage |
|                       | 25,000 | 240                 | 240 | 240 | 240 | 240 | only    |
|                       | 29,500 | 204                 | 204 | 203 | 203 | 203 |         |
|                       | 35,000 | 186                 | 189 | 174 | 157 | 136 |         |
|                       | 40,000 | 150                 | 132 | 116 | 106 | 0   |         |
|                       | 45,000 | 104                 | 94  | 0   |     |     |         |
| Storage Capacity (ft) |        | 165                 | 176 | 187 | 198 | 208 | 219     |

#### Third Drum (for Load hoist)

Wire Rope Diameter = 26 mm

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

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

Total Storage Capacity = 986 ft (300.4 m)

|                       |        | Line speed (ft/min) |     |     |     |     |         |
|-----------------------|--------|---------------------|-----|-----|-----|-----|---------|
|                       |        | Layer               | 1   | 2   | 3   | 4   | 5       |
| Line Pull<br>(lbs)    | 0      | 394                 | 394 | 394 | 394 | 394 |         |
|                       | 5,000  | 370                 | 394 | 394 | 394 | 394 |         |
|                       | 10,000 | 249                 | 249 | 249 | 249 | 249 |         |
|                       | 15,000 | 166                 | 166 | 166 | 166 | 166 |         |
|                       | 20,000 | 124                 | 124 | 124 | 124 | 124 | storage |
|                       | 25,000 | 99                  | 99  | 99  | 99  | 99  | only    |
|                       | 29,500 | 84                  | 84  | 84  | 84  | 83  |         |
|                       | 35,000 | 71                  | 70  | 68  | 66  | 67  |         |
|                       | 40,000 | 60                  | 58  | 59  | 59  | 59  |         |
|                       | 45,000 | 52                  | 53  | 53  |     |     |         |
| Storage Capacity (ft) |        | 139                 | 149 | 159 | 169 | 179 | 189     |

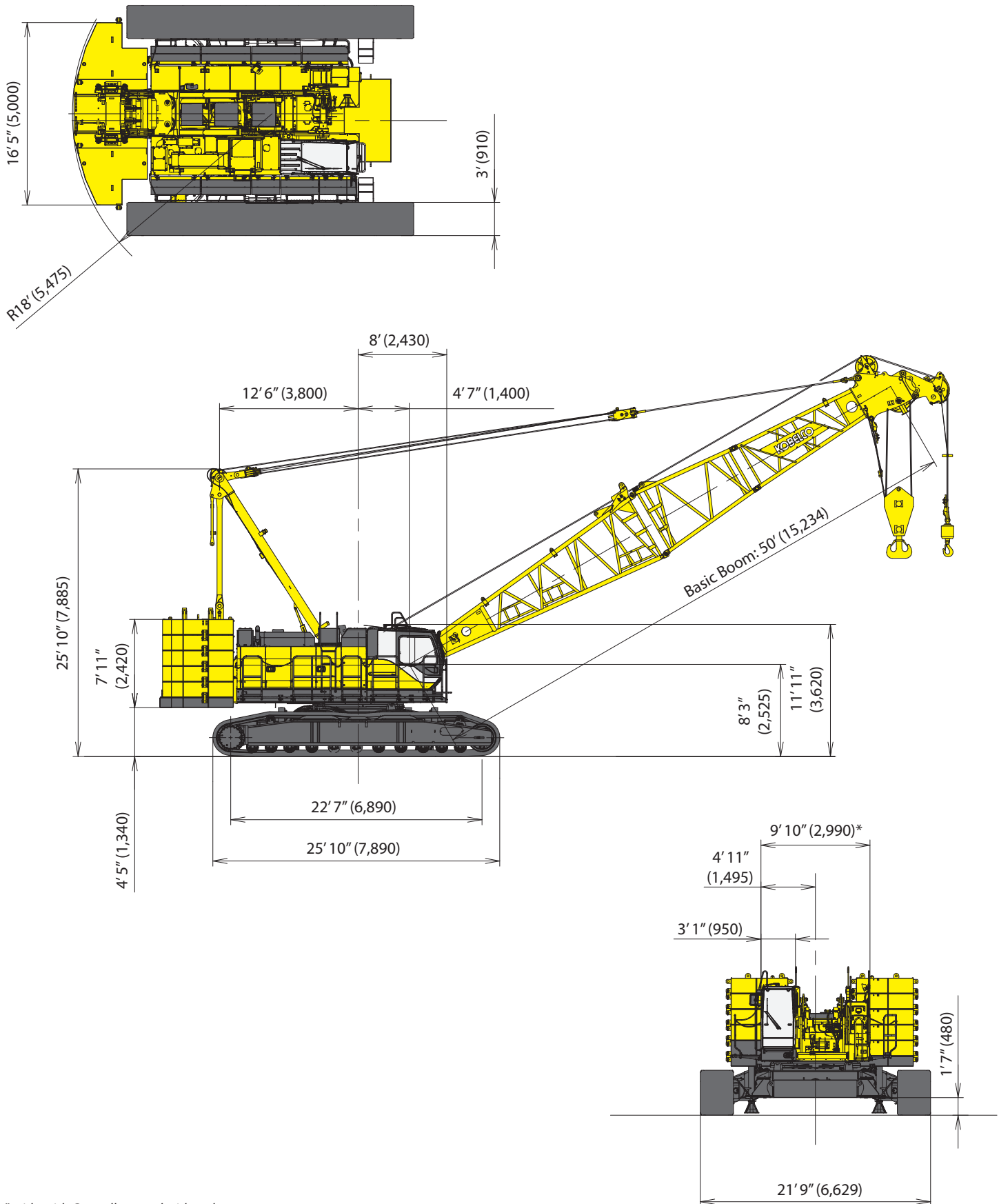
### Wire Rope Specifications

| Use                               | Construction                                            | No load diameter                           | Length             | Safety Factor | Required minimum breaking strength |
|-----------------------------------|---------------------------------------------------------|--------------------------------------------|--------------------|---------------|------------------------------------|
| Front drum                        | UNI rope (U3 x SeS48)<br>Regular lay, Right hand lay    | 1.049" to 1.070"<br>(26.65 mm to 27.17 mm) | 902ft<br>(275 m)   | 3.5: 1        | 135,110 lbf<br>(601 kN)            |
| Rear drum                         | UNI rope (U3 x SeS48)<br>Regular lay, Right hand lay    | 1.049" to 1.070"<br>(26.65 mm to 27.17 mm) | 837ft<br>(255 m)   | 3.5: 1        | 135,110 lbf<br>(601 kN)            |
| Boom Drum                         | 6 x 31 P Warrington seal<br>Right hand lay, Regular lay | 0.807" to 0.823"<br>(20.50 mm to 20.90 mm) | 623ft<br>(190 m)   | 3.5: 1        | 73,737 lbf<br>(328 kN)             |
| Third drum<br>(Optional)          | 6 x 29 Filler IWRC<br>Right hand lay, Regular lay       | 1.049" to 1.070"<br>(26.65 mm to 27.17 mm) | 787ft<br>(240 m)   | 3.5: 1        | 120,048 lbf<br>(534 kN)            |
| Rear drum<br>(Luffing main hoist) | UNI rope (U3 x SeS48)<br>Regular lay, Right hand lay    | 1.049" to 1.070"<br>(26.65 mm to 27.17 mm) | 1,115 ft<br>(340m) | 3.5: 1        | 135,110 lbf<br>(601 kN)            |
| Luffing boom hoist                | 6 x 31 P Warrington seal<br>Right hand lay, Regular lay | 0.807" to 0.823"<br>(20.50 mm to 20.90 mm) | 623ft<br>(190 m)   | 3.5: 1        | 73,737 lbf<br>(328 kN)             |
| Luffing jib hoist                 | 6 x 31 P Warrington seal<br>Right hand lay, Regular lay | 1.049" to 1.070"<br>(26.65 mm to 27.17 mm) | 558ft<br>(170m)    | 3.5: 1        | 124,544 lbf<br>(554 kN)            |

# CK1600G

## SPECIFICATIONS

### General Dimensions



\* - 10' 5" wide with Catwalks on cab side only.  
11' wide with Catwalks on both sides.

# CK1600G

## SPECIFICATIONS

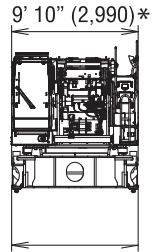
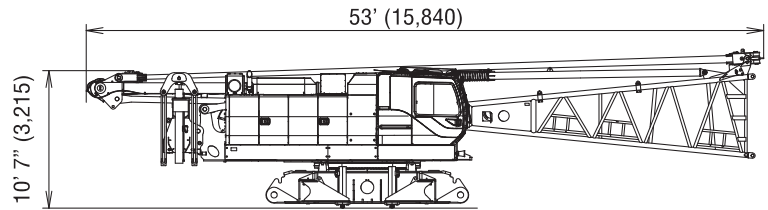
### Dimensions and Weight

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

#### Base Machine - 1

Weight: 84,200 lbs (38,190 kg)

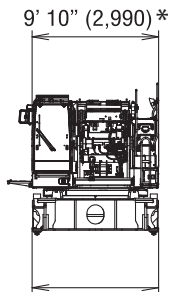
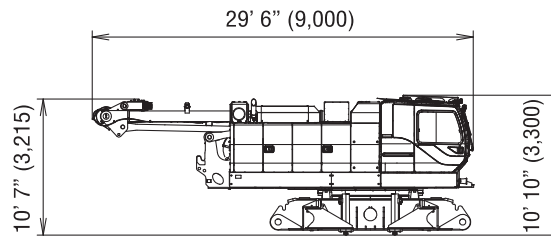
Boom base, gantry, crane backstop, self removal unit, and wire ropes (front, rear, and boom hoist)



#### Base Machine - 2

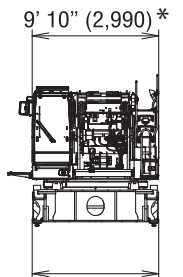
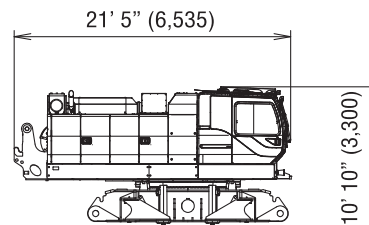
Weight: 71,400 lbs (32,370 kg)

Gantry, wire ropes (front, rear, and boom hoist)



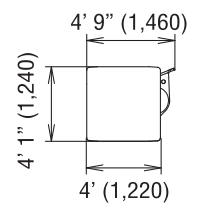
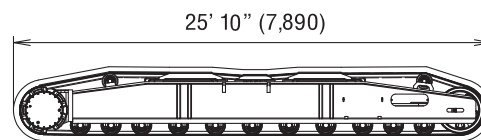
#### Base Machine - 3

Weight: 65,200 lbs (29,560 kg)



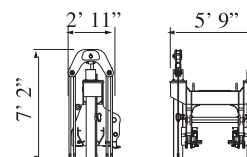
#### Crawler

Weight: 35,500 lbs (16,080 kg)



#### Counterweight Self-Removal Cylinder

Weight: 3,300 lbs (1,507 kg)



\* - 10'5" wide with Catwalks on cab side only.  
11' wide with Catwalks on both sides.

# CK1600G

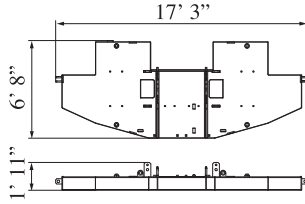
## SPECIFICATIONS

### Dimensions and Weight

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

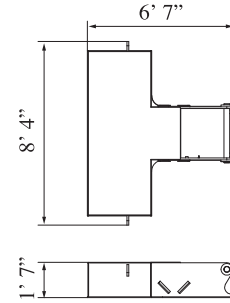
#### Counterweight Base

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



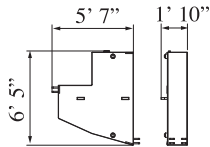
#### Carbody Weight

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



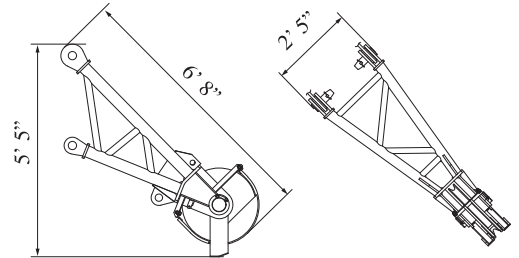
#### Counterweight

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



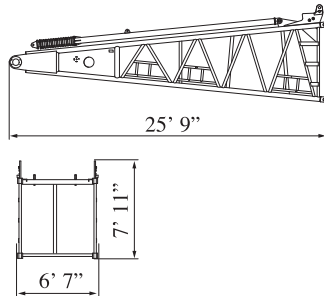
#### Auxiliary Sheave

Weight: 660 lbs (298 kg)



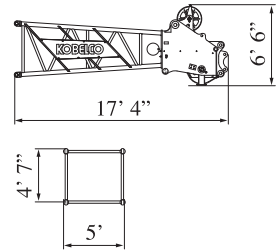
#### Boom Base (with backstop)

Weight: 9,500 lbs (4,320 kg)



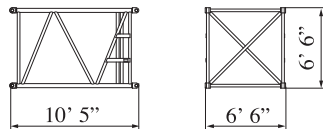
#### Boom Tip

Weight: 4,000 lbs (1,825 kg)  
Includes cable roller and guy lines



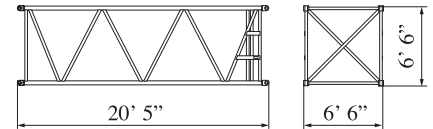
#### 10 ft (3.0 m) Insert Boom

Weight: 1,400 lbs (651 kg)  
Includes cable roller and guy lines



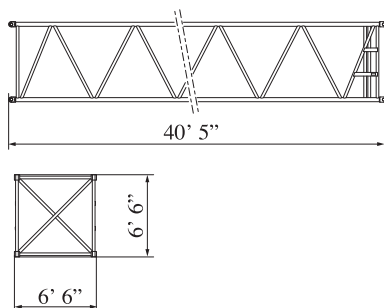
#### 20 ft (6.1 m) Insert Boom

Weight: 2,200 lbs (1,014 kg)  
Includes cable roller and guy lines



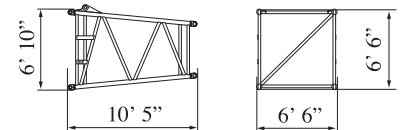
#### 40 ft (12.2 m) Insert Boom

Weight: 3,800 lbs (1,728 kg)  
Includes cable roller and guy lines



#### Taper Insert Boom

Weight: 1,200 lbs (541 kg)  
Includes cable roller



# CK1600G

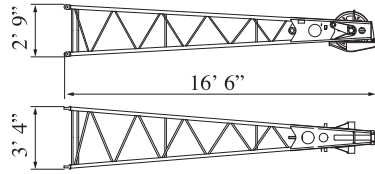
## SPECIFICATIONS

### Dimensions and Weight

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

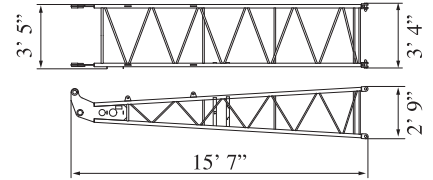
#### Jib Tip

Weight: 700 lbs (319 kg)



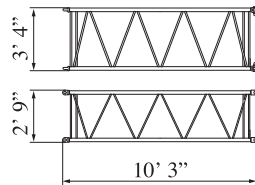
#### Jib Base and Strut

Weight: 2,300 lbs (1,040 kg)  
Includes guy line.



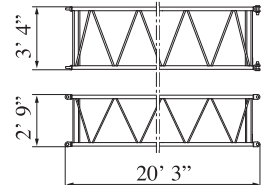
#### 10 ft (3.0 m) Insert Jib

Weight: 260 lbs (120 kg)  
Includes cable roller.



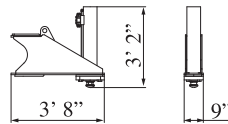
#### 20 ft (6.1 m) Jib Insert

Weight: 550 lbs (252 kg)  
Includes cable roller and guy line.



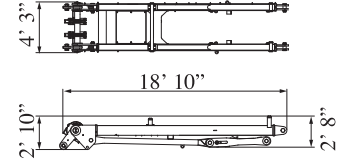
#### Translifter

Weight: 670 lbs (304 kg)



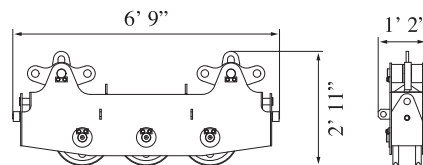
#### Gantry with Lower Spreader

Weight: 5,300 lbs (2,389 kg)



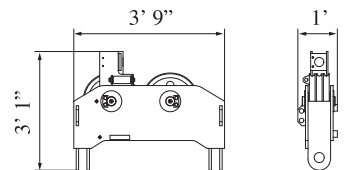
#### Upper Spreader (Mast)

Weight: 1,100 lbs (486 kg)



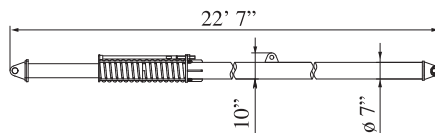
#### Lower Spreader

Weight: 670 lbs (303 kg)



#### Boom Backstop

Weight: 1,200 lbs (522 kg)



# CK1600G

## SPECIFICATIONS

### Transportation Plan

Refer to pages 10-12

#### Shipping plan for 250 ft Boom and 100' Jib

| Description of Item            | Weight |          | Trailer Loads      |                    |                    |                    |                    |                    |                    |                    |
|--------------------------------|--------|----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                                | lbs    | (kg)     | #1                 | #2                 | #3                 | #4                 | #5                 | #6                 | #7                 | #8                 |
| Base Machine with Boom Base*   | 84,200 | (38,190) | 1                  |                    |                    |                    |                    |                    |                    |                    |
| Crawler                        | 35,500 | (16,080) |                    | 1                  | 1                  |                    |                    |                    |                    |                    |
| Counterweight Base             | 22,100 | (10,000) |                    |                    |                    | 1                  |                    |                    |                    |                    |
| Counterweight (L)              | 9,920  | (4,500)  |                    |                    |                    |                    | 1                  | 3                  | 1                  |                    |
| Counterweight ('R)             | 9,920  | (4,500)  |                    |                    |                    |                    |                    |                    | 2                  | 3                  |
| Carbody Weight                 | 11,900 | (5,400)  |                    |                    |                    |                    | 2                  |                    |                    |                    |
| 10 ft Insert Boom and Guy Line | 1,400  | (651)    |                    | 1                  | 1                  |                    |                    |                    |                    |                    |
| 20 ft Insert Boom and Guy Line | 2,200  | (1,014)  |                    | 1                  |                    |                    |                    |                    |                    |                    |
| 40 ft Insert Boom and Guy Line | 3,800  | (1,728)  |                    |                    |                    |                    | 1                  | 1                  | 1                  | 1                  |
| Taper Insert Boom              | 1,200  | (541)    |                    |                    |                    |                    |                    |                    |                    |                    |
| Boom Tip and Guy Line          | 4,000  | (1,825)  |                    |                    |                    | 1                  |                    |                    |                    |                    |
| Jib Base, Strut, and Guy Line  | 2,300  | (1,040)  |                    |                    | 1                  |                    |                    |                    |                    |                    |
| 10 ft Insert Jib and Guy Line  | 260    | (120)    |                    | 1                  |                    |                    |                    |                    |                    |                    |
| 20 ft Insert Jib and Guy Line  | 550    | (252)    |                    |                    |                    |                    | 1                  | 1                  | 1                  |                    |
| Jib Tip                        | 700    | (319)    |                    |                    | 1                  |                    |                    |                    |                    |                    |
| Auxiliary Sheave               | 660    | (298)    |                    |                    |                    |                    |                    |                    | 1                  |                    |
| 75 Ton Block                   | 3,000  | (1,361)  |                    |                    |                    |                    |                    |                    |                    | 1                  |
| 13 Ton Ball                    | 800    | (365)    |                    |                    |                    |                    |                    |                    |                    | 1                  |
| Approx. Total Shipping Weight  | lbs    | (kg)     | 84,200<br>(38,190) | 39,360<br>(17,865) | 39,900<br>(18,090) | 26,100<br>(11,825) | 38,070<br>(17,280) | 34,110<br>(15,480) | 34,770<br>(15,778) | 37,360<br>(16,954) |

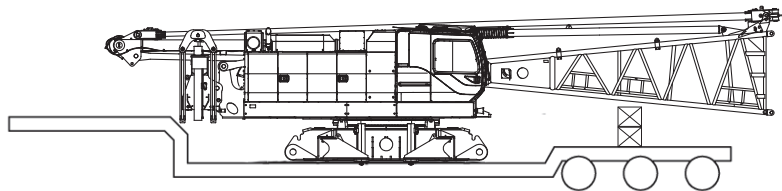
\* Third drum is not included. Add 6,100 lbs if third drum is installed.

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

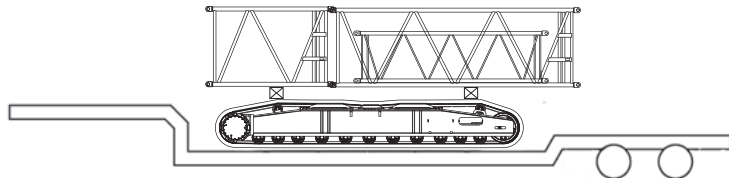
This may vary depending on truck/trailer weight, style of trailer and state law.

\* Double drop trailer required.

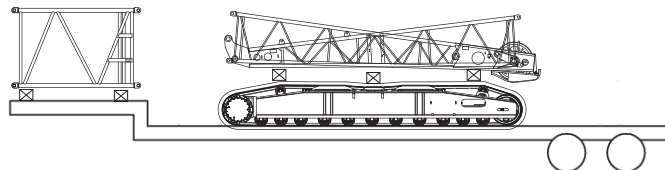
Trailer #1



Trailer #2 \*



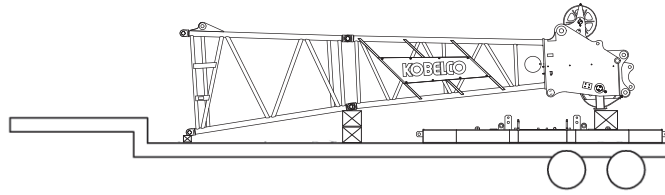
Trailer #3



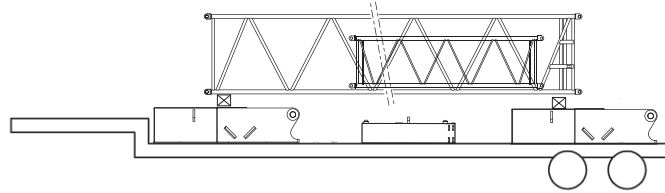
### Transportation Plan

Refer to pages 10-12

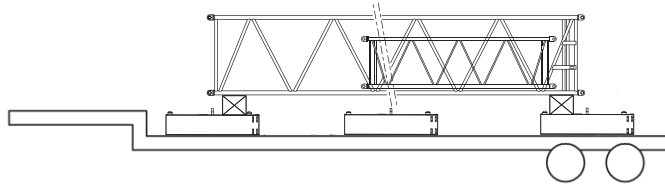
Trailer #4



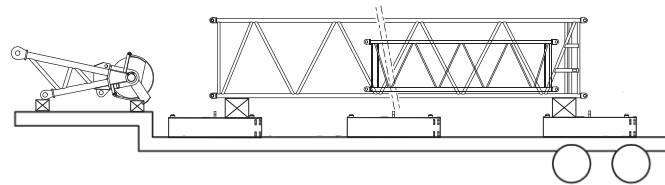
Trailer #5



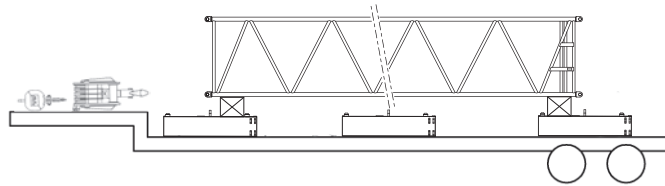
Trailer #6



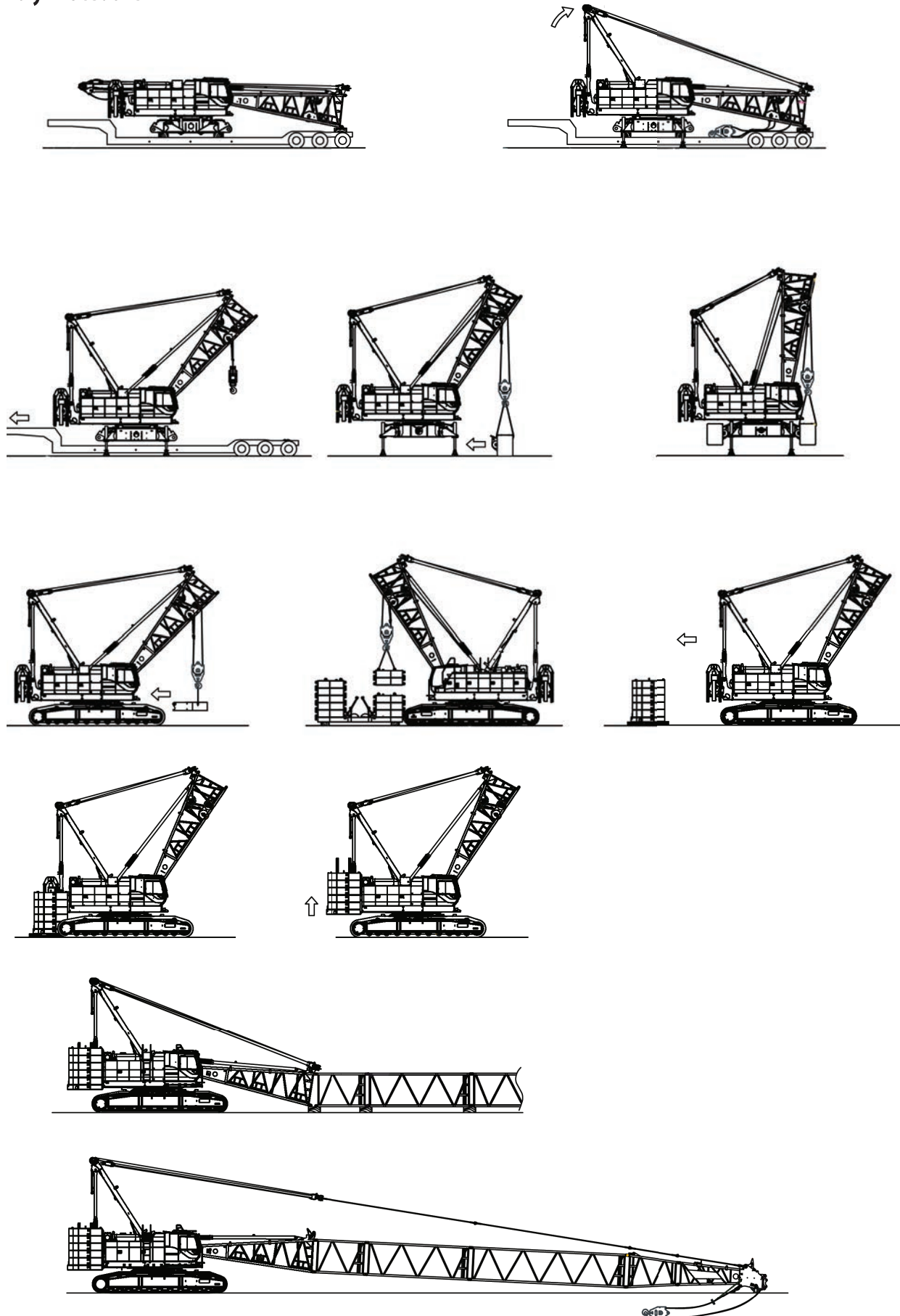
Trailer #7



Trailer #8



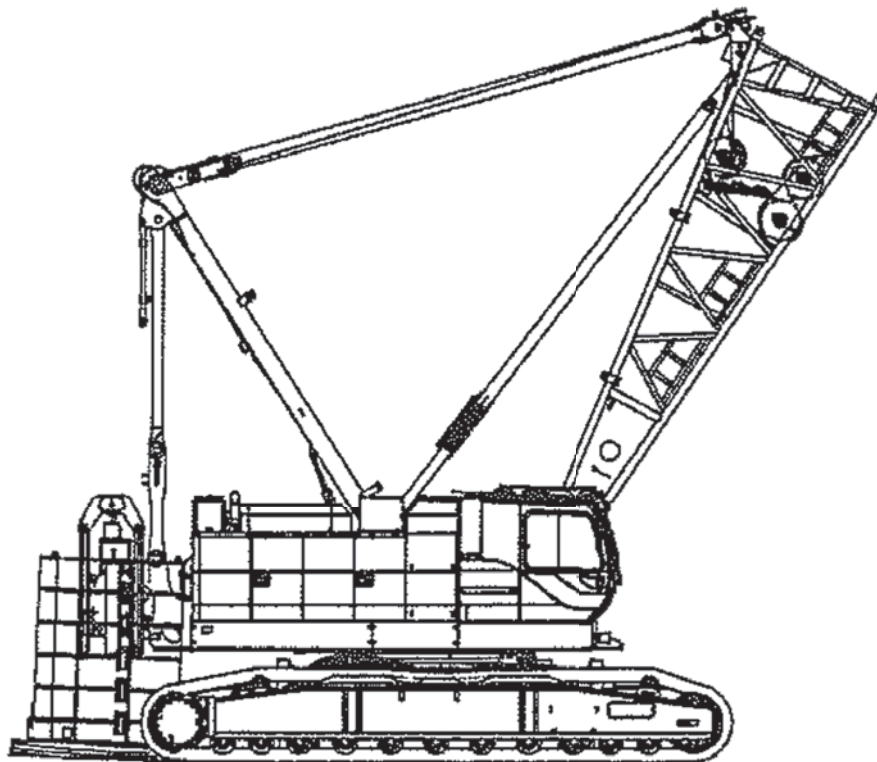
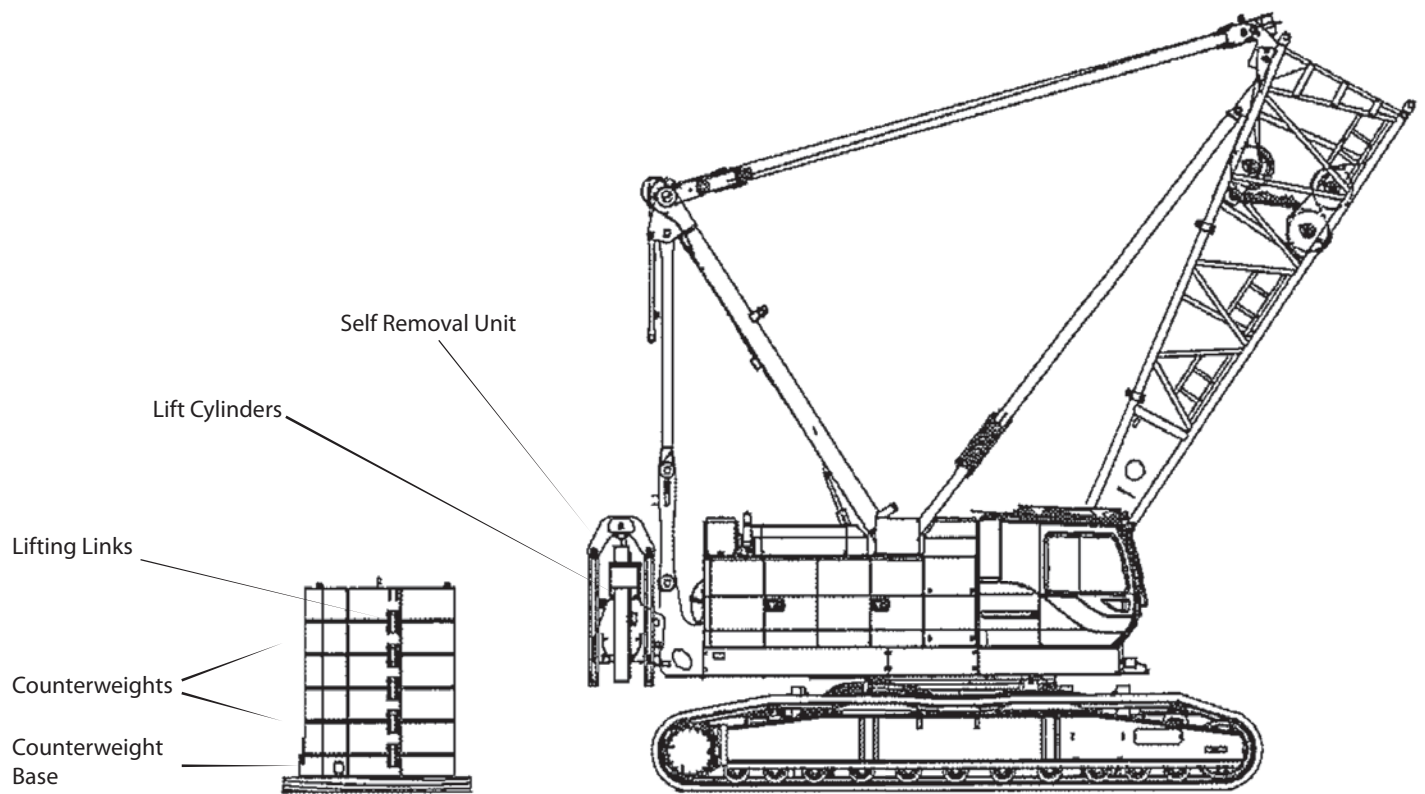
### Self-Assembly Procedure



# CK1600G

## SPECIFICATIONS

### Counterweight Self-Removal Device



# CK1600G

## SPECIFICATIONS

### Boom and Fixed Jib Arrangement

#### Boom Arrangement

| Boom length ft (m) | Boom arrangement |
|--------------------|------------------|
| 50 (15.2)          |                  |
| 60 (18.3)          | ※                |
| 70 (21.3)          | ※<br>            |
| 80 (21.3)          | ※                |
| 90 (27.4)          | ※<br><br>        |
| 100 (30.5)         | ※<br>            |
| 110 (33.5)         | ※<br><br>        |
| 120 (36.6)         | ※                |
| 130 (39.6)         | ※<br><br>        |
| 140 (42.7)         | ※<br>            |
| 150 (45.7)         | ※<br><br>        |
| 160 (48.8)         | ※                |
| 170 (51.8)         | ※<br><br>        |

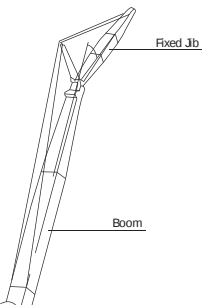
| Boom length ft (m) | Boom arrangement |
|--------------------|------------------|
| 180 (54.9)         | ※<br>            |
| 190 (57.9)         | ※<br><br>        |
| 200 (61.0)         | ※                |
| 210 (64.0)         | ※<br><br>        |
| 220 (67.1)         | ※<br>            |
| 230 (70.1)         | ※<br><br>        |
| 240 (73.2)         | ※                |
| 250 (76.2)         | ※<br><br>        |

| Symbol | Boom Length      | Remarks      |
|--------|------------------|--------------|
|        | 25.0 ft (7.6 m)  | Boom Base    |
|        | 15.0 ft (4.5 m)  | Boom Top     |
|        | 10.0 ft (3.1 m)  | Tapered Boom |
|        | 10.0 ft (3.1 m)  | Insert Boom  |
|        | 20.0 ft (6.1 m)  | Insert Boom  |
|        | 40.0 ft (12.2 m) | Insert Boom  |

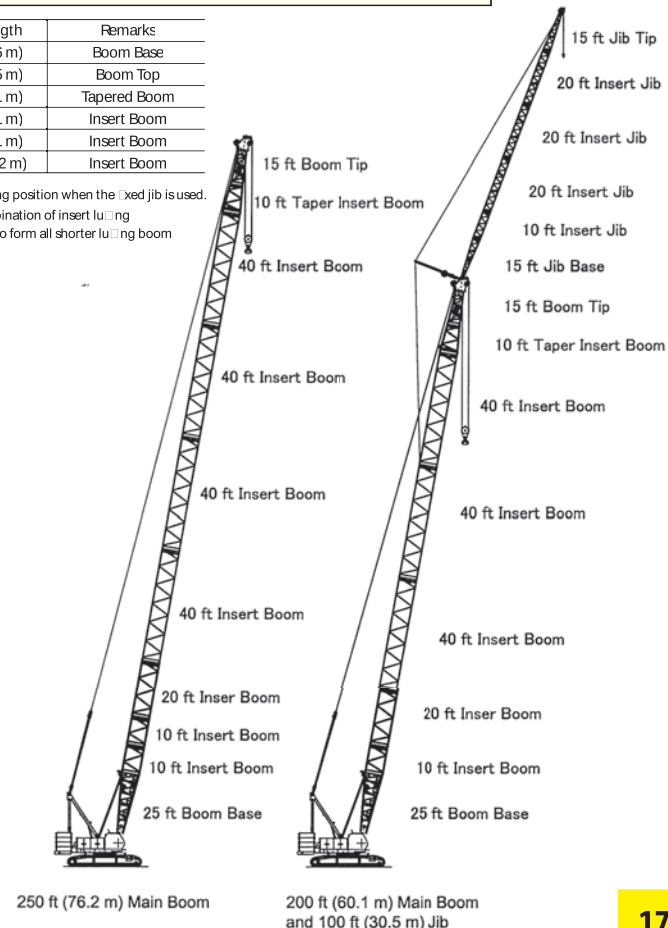
↗ mark shows the guy line installing position when the fixed jib is used.

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

#### Fixed Jib Arrangement



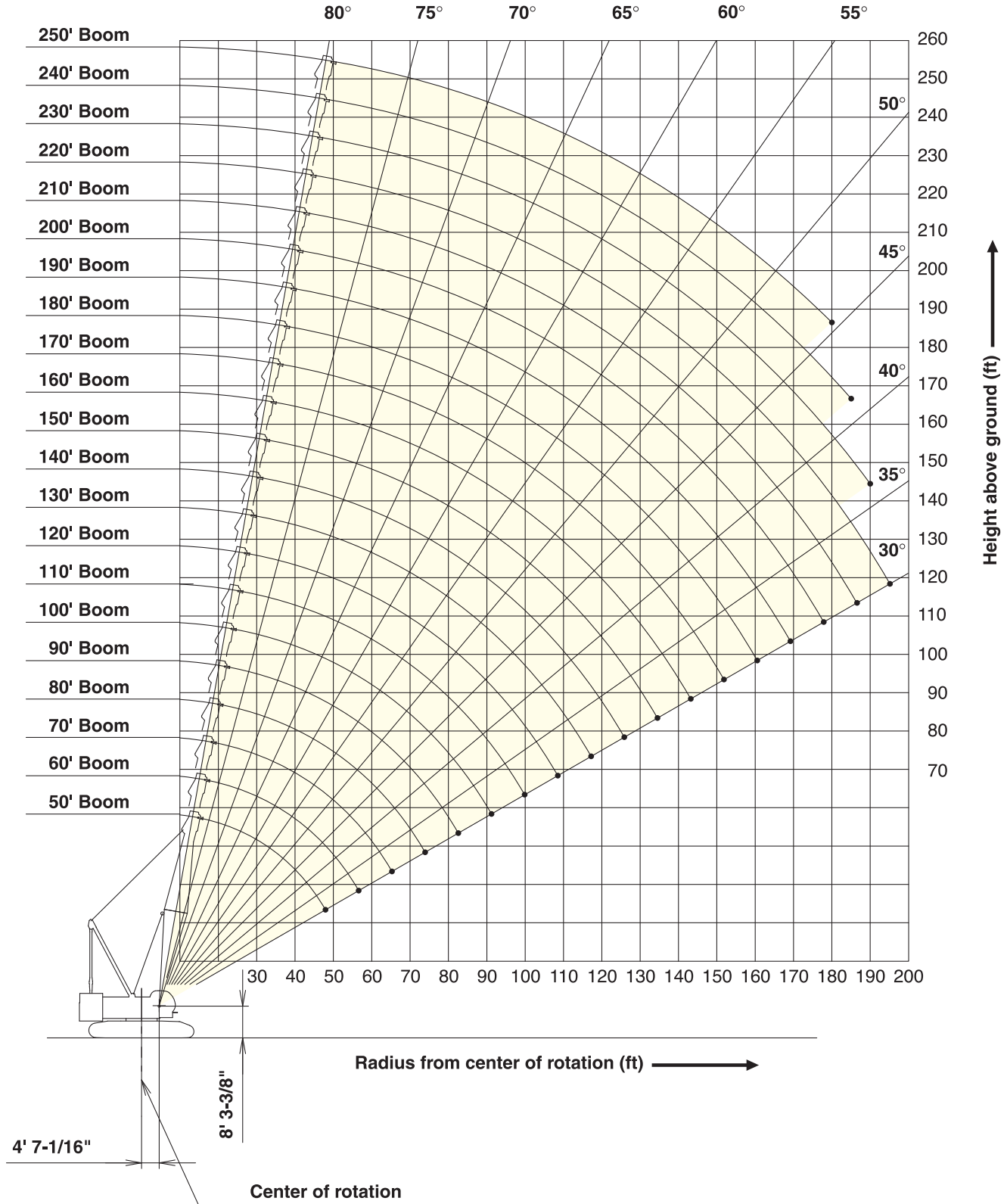
| Crane boom length                                                                                                                                                                                                                                                                                                            | Jib length ft (m) | Jib arrangement |        |            |         |  |               |          |  |               |         |  |               |            |  |               |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------|--------|------------|---------|--|---------------|----------|--|---------------|---------|--|---------------|------------|--|---------------|------------|
| 90 ft (27.4 m)<br>} 200 ft (61.0 m)                                                                                                                                                                                                                                                                                          | 40 (12.2)         |                 |        |            |         |  |               |          |  |               |         |  |               |            |  |               |            |
|                                                                                                                                                                                                                                                                                                                              | 60 (18.3)         |                 |        |            |         |  |               |          |  |               |         |  |               |            |  |               |            |
|                                                                                                                                                                                                                                                                                                                              | 80 (24.4)         |                 |        |            |         |  |               |          |  |               |         |  |               |            |  |               |            |
|                                                                                                                                                                                                                                                                                                                              | 100 (30.5)        |                 |        |            |         |  |               |          |  |               |         |  |               |            |  |               |            |
| <table> <tr> <th>Symbol</th><th>Jib Length</th><th>Remarks</th></tr> <tr> <td></td><td>15 ft (4.6 m)</td><td>Jib Base</td></tr> <tr> <td></td><td>15 ft (4.6 m)</td><td>Jib Top</td></tr> <tr> <td></td><td>10 ft (3.0 m)</td><td>Insert Jib</td></tr> <tr> <td></td><td>20 ft (6.1 m)</td><td>Insert Jib</td></tr> </table> |                   |                 | Symbol | Jib Length | Remarks |  | 15 ft (4.6 m) | Jib Base |  | 15 ft (4.6 m) | Jib Top |  | 10 ft (3.0 m) | Insert Jib |  | 20 ft (6.1 m) | Insert Jib |
| Symbol                                                                                                                                                                                                                                                                                                                       | Jib Length        | Remarks         |        |            |         |  |               |          |  |               |         |  |               |            |  |               |            |
|                                                                                                                                                                                                                                                                                                                              | 15 ft (4.6 m)     | Jib Base        |        |            |         |  |               |          |  |               |         |  |               |            |  |               |            |
|                                                                                                                                                                                                                                                                                                                              | 15 ft (4.6 m)     | Jib Top         |        |            |         |  |               |          |  |               |         |  |               |            |  |               |            |
|                                                                                                                                                                                                                                                                                                                              | 10 ft (3.0 m)     | Insert Jib      |        |            |         |  |               |          |  |               |         |  |               |            |  |               |            |
|                                                                                                                                                                                                                                                                                                                              | 20 ft (6.1 m)     | Insert Jib      |        |            |         |  |               |          |  |               |         |  |               |            |  |               |            |



### Working Ranges

#### Main Boom

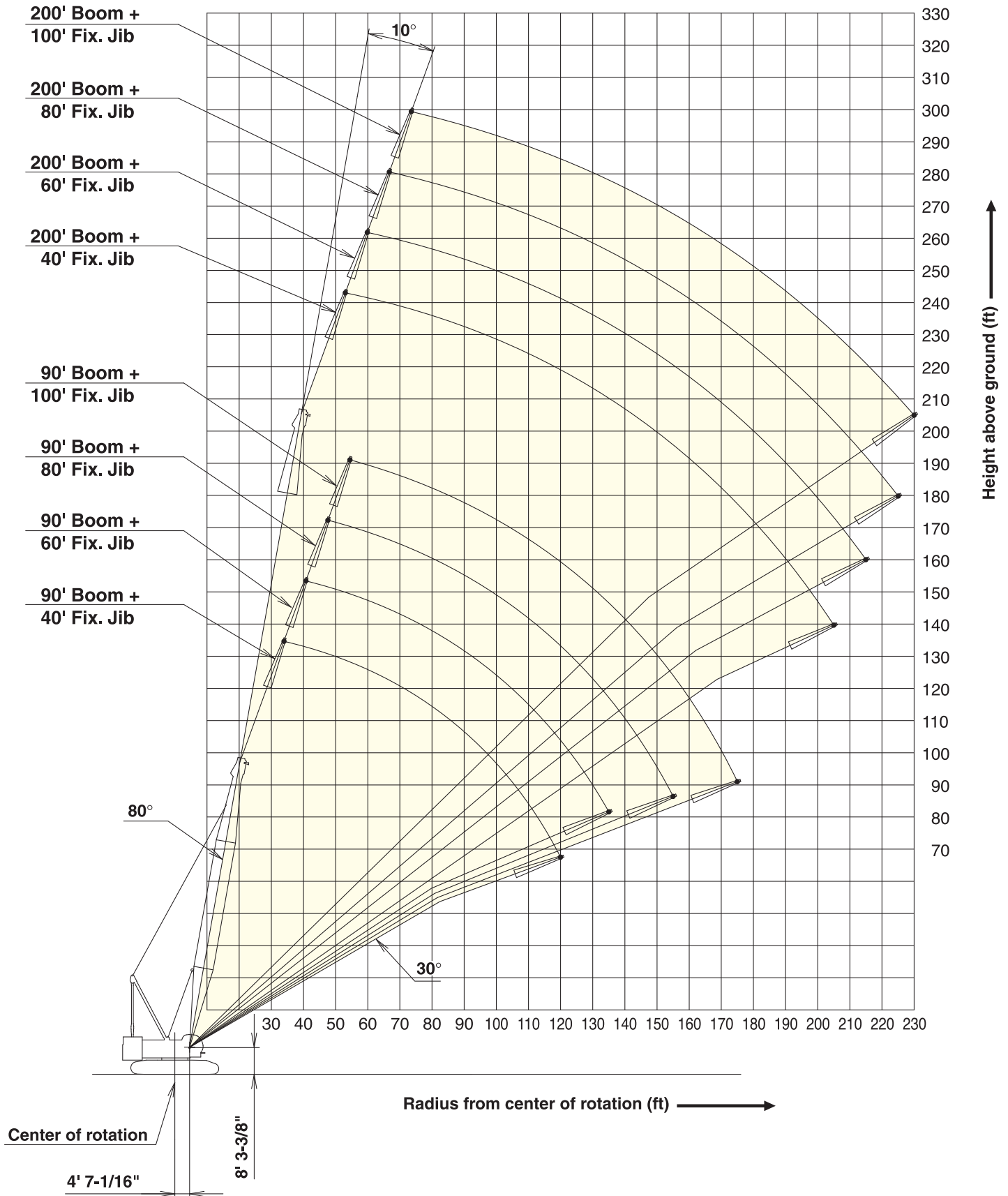
Unit : ft (m)



### Working Ranges

#### Fixed Jib 10° (with additional counterweight)

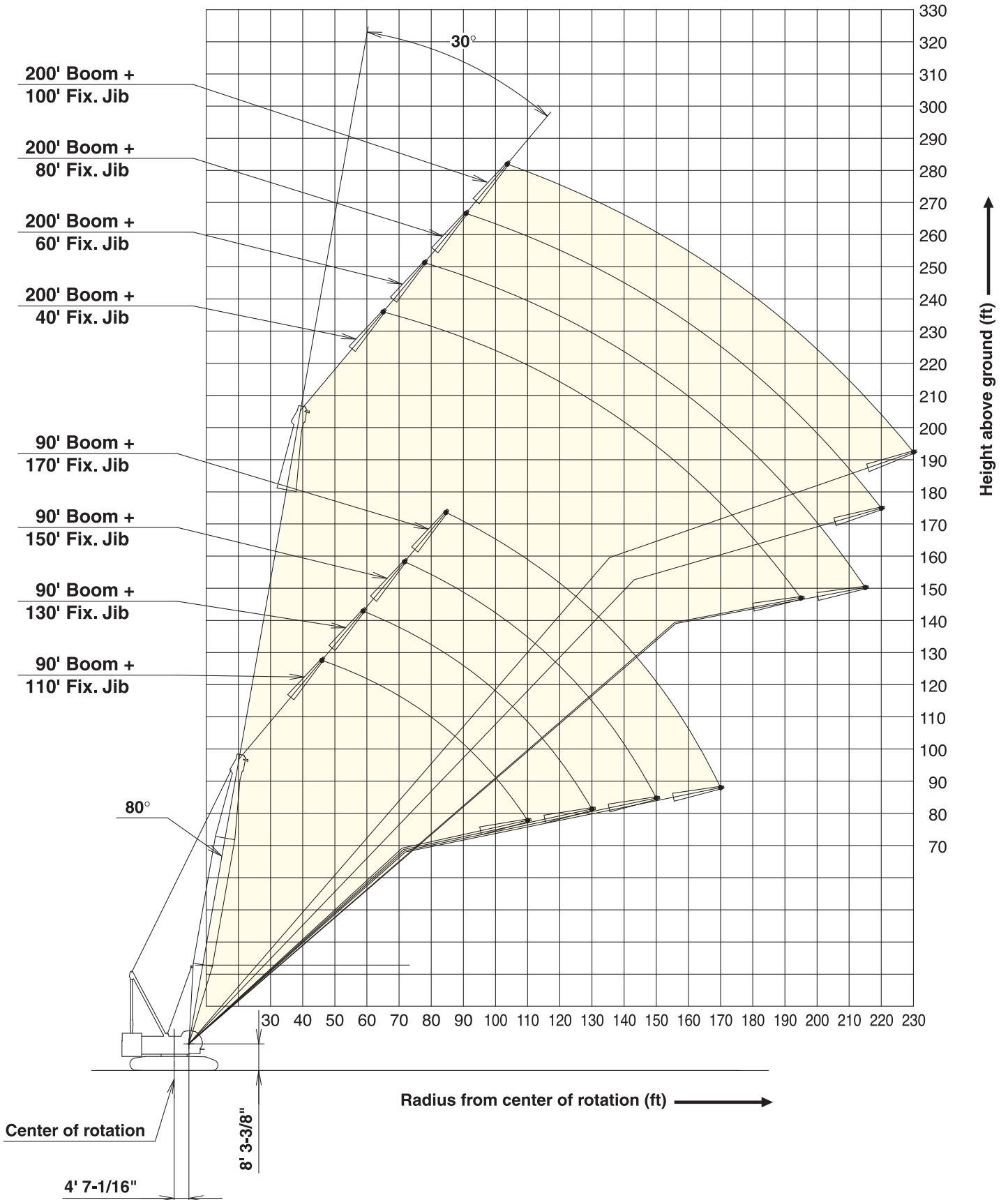
Unit : ft (m)



### Working Ranges

Fixed Jib 30°

Unit : ft (m)



### Supplemental Data

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

| Jib Length   | Aux Sheave | 40 ft | 60 ft | 80 ft | 100 ft |
|--------------|------------|-------|-------|-------|--------|
| Deduct (lbs) | 1,250      | 7,055 | 8,010 | 8,965 | 9,920  |

- The total load that can be lifted by jib is limited by rated jib loads.
- Boom lengths for jib mounting are 90 ft (27.4 m) to 200 ft (61.0 m)
- 40 ft (12.2 m) jib length with offset angle at 10 degrees, with one part of line on hook is not allowed.
- The total load that can be lifted by the auxiliary sheave is the value for 1,250 lbs deducted from rated load for the boom (without auxiliary sheave installed); however, the auxiliary sheave rated load should not exceed 59,000 lbs.

- Boom lengths that can attach auxiliary sheave are from 50 ft (15.2 m) to 240 ft (73.2 m).
- The boom should be erected over the front of the crawlers, not laterally. When lifting from or lowering to the ground the boom at length of 240 ft (73.2 m) with jib, the blocks for erections 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.

#### Maximum Load for Main Boom

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

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

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

#### Maximum Load for Fixed Jib

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

#### Maximum Load Auxiliary Sheave

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

- Weight of recommended hook block

| Hook Block   | 160 t | 110 t | 70 t  | 30 t  | 15 t ball hook |
|--------------|-------|-------|-------|-------|----------------|
| Weight (lbs) | 5,275 | 3,960 | 2,775 | 2,200 | 1,315          |

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

# CK1600G

## SPECIFICATIONS

### Main Boom Lift Capacity

Full Counterweight: 121,300 lbs    Carbody Weight: 23,800

| 50' Boom         |                   |                       | 60' Boom         |                   |                       | 70' Boom         |                   |                       | 80' Boom         |                   |                       |
|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) |
| 15.0             | 79.9              | 320,000 *             | 17.0             | 79.6              | 280,000 *             | 19.0             | 79.5              | 251,100 *             | 22.0             | 78.6              | 211,800 *             |
| <b>16.0</b>      | <b>78.7</b>       | <b>300,100 *</b>      | <b>18.0</b>      | <b>78.7</b>       | <b>266,000 *</b>      | <b>20.0</b>      | <b>78.6</b>       | <b>238,500 *</b>      | <b>24.0</b>      | <b>77.1</b>       | <b>190,200 *</b>      |
| 17.0             | 77.5              | 282,500 *             | 19.0             | 77.7              | 251,900 *             | 22.0             | 76.9              | 217,100 *             | 26.0             | 75.7              | 172,600 *             |
| <b>18.0</b>      | <b>76.3</b>       | <b>266,800 *</b>      | <b>20.0</b>      | <b>76.7</b>       | <b>239,300 *</b>      | <b>24.0</b>      | <b>75.3</b>       | <b>194,600 *</b>      | <b>28.0</b>      | <b>74.2</b>       | <b>157,800 *</b>      |
| 19.0             | 75.1              | 252,700 *             | 22.0             | 74.7              | 218,000 *             | 26.0             | 73.5              | 176,300 *             | 30.0             | 72.7              | 145,500 *             |
| <b>20.0</b>      | <b>73.9</b>       | <b>240,100 *</b>      | <b>24.0</b>      | <b>72.7</b>       | <b>197,500 *</b>      | <b>28.0</b>      | <b>71.8</b>       | <b>160,900 *</b>      | <b>32.0</b>      | <b>71.1</b>       | <b>134,400</b>        |
| 22.0             | 71.5              | 218,300 *             | 26.0             | 70.7              | 178,300 *             | 30.0             | 70.1              | 147,900 *             | 34.0             | 69.6              | 123,000               |
| <b>24.0</b>      | <b>69.1</b>       | <b>197,700 *</b>      | <b>28.0</b>      | <b>68.6</b>       | <b>162,200 *</b>      | <b>32.0</b>      | <b>68.3</b>       | <b>134,700</b>        | <b>36.0</b>      | <b>68.1</b>       | <b>113,300</b>        |
| 26.0             | 66.5              | 177,400 *             | 30.0             | 66.5              | 148,300               | 34.0             | 66.5              | 123,400               | 38.0             | 66.5              | 105,100               |
| <b>28.0</b>      | <b>64.0</b>       | <b>160,400 *</b>      | <b>32.0</b>      | <b>64.4</b>       | <b>134,900</b>        | <b>36.0</b>      | <b>64.7</b>       | <b>113,700</b>        | <b>40.0</b>      | <b>64.9</b>       | <b>97,800</b>         |
| 30.0             | 61.4              | 145,900 *             | 34.0             | 62.2              | 123,600               | 38.0             | 62.8              | 105,500               | 45.0             | 60.8              | 83,300                |
| <b>32.0</b>      | <b>58.7</b>       | <b>133,300 *</b>      | <b>36.0</b>      | <b>60.0</b>       | <b>113,900</b>        | <b>40.0</b>      | <b>61.0</b>       | <b>98,300</b>         | <b>50.0</b>      | <b>56.6</b>       | <b>72,300</b>         |
| 34.0             | 55.9              | 122,100 *             | 38.0             | 57.7              | 105,800               | 45.0             | 56.1              | 83,700                | 55.0             | 52.1              | 63,900                |
| <b>36.0</b>      | <b>53.0</b>       | <b>112,200 *</b>      | <b>40.0</b>      | <b>55.4</b>       | <b>98,500</b>         | <b>50.0</b>      | <b>50.9</b>       | <b>72,700</b>         | <b>60.0</b>      | <b>47.4</b>       | <b>56,800</b>         |
| 38.0             | 50.0              | 103,300 *             | 45.0             | 49.3              | 83,900                | 55.0             | 45.3              | 64,300                | 65.0             | 42.2              | 51,300                |
| <b>40.0</b>      | <b>46.8</b>       | <b>95,200 *</b>       | <b>50.0</b>      | <b>42.4</b>       | <b>72,000 *</b>       | <b>60.0</b>      | <b>39.0</b>       | <b>57,300 *</b>       | <b>70.0</b>      | <b>36.3</b>       | <b>46,700 *</b>       |
| 45.0             | 38.0              | 76,900 *              | 55.0             | 34.4              | 60,100 *              | 65.0             | 31.7              | 48,700 *              | 75.0             | 29.5              | 40,300 *              |
| Reeves           |                   | 11                    | Reeves           |                   | 10                    | Reeves           |                   | 9                     | Reeves           |                   | 8                     |
| 90' Boom         |                   |                       | 100' Boom        |                   |                       | 110' Boom        |                   |                       | 120' Boom        |                   |                       |
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) |
| 22.0             | 79.9              | 207,600 *             | 24.0             | 79.8              | 183,400 *             | 26.0             | 79.6              | 164,200 *             | 28.0             | 79.5              | 147,000 *             |
| <b>24.0</b>      | <b>78.6</b>       | <b>186,500 *</b>      | <b>26.0</b>      | <b>78.6</b>       | <b>166,400 *</b>      | <b>28.0</b>      | <b>78.6</b>       | <b>150,100 *</b>      | <b>30.0</b>      | <b>78.6</b>       | <b>135,500 *</b>      |
| 26.0             | 77.3              | 169,000 *             | 28.0             | 77.4              | 152,300 *             | 30.0             | 77.5              | 138,200 *             | 32.0             | 77.6              | 125,600 *             |
| <b>28.0</b>      | <b>76.0</b>       | <b>154,700 *</b>      | <b>30.0</b>      | <b>76.2</b>       | <b>140,400 *</b>      | <b>32.0</b>      | <b>76.4</b>       | <b>128,300 *</b>      | <b>34.0</b>      | <b>76.6</b>       | <b>117,000 *</b>      |
| 30.0             | 74.6              | 142,600 *             | 32.0             | 75.0              | 130,200 *             | 34.0             | 75.4              | 119,400 *             | 36.0             | 75.6              | 109,500 *             |
| <b>32.0</b>      | <b>73.3</b>       | <b>132,200 *</b>      | <b>34.0</b>      | <b>73.8</b>       | <b>121,400 *</b>      | <b>36.0</b>      | <b>74.3</b>       | <b>111,900 *</b>      | <b>38.0</b>      | <b>74.6</b>       | <b>102,900 *</b>      |
| 34.0             | 72.0              | 122,700               | 36.0             | 72.6              | 112,800               | 38.0             | 73.2              | 104,400               | 40.0             | 73.6              | 96,700                |
| <b>36.0</b>      | <b>70.6</b>       | <b>113,000</b>        | <b>38.0</b>      | <b>71.4</b>       | <b>104,700</b>        | <b>40.0</b>      | <b>72.1</b>       | <b>97,200</b>         | <b>45.0</b>      | <b>71.1</b>       | <b>82,200</b>         |
| 38.0             | 69.3              | 104,700               | 40.0             | 70.2              | 97,400                | 45.0             | 69.3              | 82,600                | 50.0             | 68.6              | 71,200                |
| <b>40.0</b>      | <b>67.9</b>       | <b>97,400</b>         | <b>45.0</b>      | <b>67.1</b>       | <b>82,800</b>         | <b>50.0</b>      | <b>66.5</b>       | <b>71,600</b>         | <b>55.0</b>      | <b>65.9</b>       | <b>62,600</b>         |
| 45.0             | 64.4              | 82,800                | 50.0             | 63.9              | 71,800                | 55.0             | 63.6              | 63,000                | 60.0             | 63.3              | 55,500                |
| <b>50.0</b>      | <b>60.8</b>       | <b>72,000</b>         | <b>55.0</b>      | <b>60.7</b>       | <b>63,200</b>         | <b>60.0</b>      | <b>60.6</b>       | <b>56,200</b>         | <b>65.0</b>      | <b>60.6</b>       | <b>50,000</b>         |
| 55.0             | 57.0              | 63,400                | 60.0             | 57.3              | 56,400                | 65.0             | 57.5              | 50,400                | 70.0             | 57.8              | 45,100                |
| <b>60.0</b>      | <b>53.1</b>       | <b>56,400</b>         | <b>65.0</b>      | <b>53.8</b>       | <b>50,700</b>         | <b>70.0</b>      | <b>54.4</b>       | <b>45,600</b>         | <b>75.0</b>      | <b>54.9</b>       | <b>41,200</b>         |
| 65.0             | 48.9              | 50,900                | 70.0             | 50.1              | 46,000                | 75.0             | 51.1              | 41,600                | 80.0             | 51.9              | 37,600                |
| <b>70.0</b>      | <b>44.4</b>       | <b>46,200</b>         | <b>75.0</b>      | <b>46.2</b>       | <b>41,800</b>         | <b>80.0</b>      | <b>47.6</b>       | <b>38,300</b>         | <b>85.0</b>      | <b>48.7</b>       | <b>34,800</b>         |
| 75.0             | 39.6              | 42,300                | 80.0             | 42.0              | 38,500                | 85.0             | 43.9              | 35,200                | 90.0             | 45.4              | 32,100                |
| <b>80.0</b>      | <b>34.1</b>       | <b>38,800 *</b>       | <b>85.0</b>      | <b>37.4</b>       | <b>35,700</b>         | <b>90.0</b>      | <b>39.9</b>       | <b>32,800</b>         | <b>95.0</b>      | <b>41.9</b>       | <b>29,900</b>         |
|                  |                   |                       | 90.0             | 32.3              | 32,800 *              | 95.0             | 35.6              | 30,400                | 100.0            | 38.1              | 27,900                |
|                  |                   |                       |                  |                   |                       | <b>100.0</b>     | <b>30.7</b>       | <b>27,900 *</b>       | <b>105.0</b>     | <b>34.0</b>       | <b>26,000</b>         |
| Reeves           |                   | 8                     | Reeves           |                   | 7                     | Reeves           |                   | 6                     | Reeves           |                   | 5                     |

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

# CK1600G

## SPECIFICATIONS

### Main Boom Lift Capacity

Full Counterweight: 121,300 lbs    Carbody Weight: 23,800

| 130' Boom        |                   |                       | 140' Boom        |                   |                       | 150' Boom        |                   |                       | 160' Boom        |                   |                       |
|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) |
| 30.0             | 79.5              | 134,000 *             | 32.0             | 79.4              | 122,100 *             | 34.0             | 79.3              | 112,600 *             | 34.0             | 80.0              | 110,800 *             |
| <b>32.0</b>      | <b>78.6</b>       | <b>124,100 *</b>      | <b>34.0</b>      | <b>78.5</b>       | <b>113,500 *</b>      | <b>36.0</b>      | <b>78.5</b>       | <b>105,100 *</b>      | <b>36.0</b>      | <b>79.3</b>       | <b>103,600 *</b>      |
| 34.0             | 77.7              | 115,500 *             | 36.0             | 77.7              | 106,200 *             | 38.0             | 77.8              | 98,700 *              | 38.0             | 78.5              | 97,000 *              |
| <b>36.0</b>      | <b>76.7</b>       | <b>108,200 *</b>      | <b>38.0</b>      | <b>76.9</b>       | <b>99,800 *</b>       | <b>40.0</b>      | <b>77.0</b>       | <b>93,000 *</b>       | <b>40.0</b>      | <b>77.8</b>       | <b>91,200 *</b>       |
| 38.0             | 75.8              | 101,600 *             | 40.0             | 76.0              | 94,100 *              | 45.0             | 75.0              | 81,100 *              | 45.0             | 76.0              | 79,500 *              |
| <b>40.0</b>      | <b>74.9</b>       | <b>95,600 *</b>       | <b>45.0</b>      | <b>73.9</b>       | <b>81,700</b>         | <b>50.0</b>      | <b>73.0</b>       | <b>70,500</b>         | <b>50.0</b>      | <b>74.1</b>       | <b>70,100</b>         |
| 45.0             | 72.6              | 82,000                | 50.0             | 71.7              | 70,700                | 55.0             | 71.0              | 61,900                | 55.0             | 72.2              | 61,500                |
| <b>50.0</b>      | <b>70.3</b>       | <b>70,900</b>         | <b>55.0</b>      | <b>69.6</b>       | <b>62,100</b>         | <b>60.0</b>      | <b>69.0</b>       | <b>54,800</b>         | <b>60.0</b>      | <b>70.3</b>       | <b>54,600</b>         |
| 55.0             | 67.9              | 62,300                | 60.0             | 67.4              | 55,100                | 65.0             | 66.9              | 49,100                | 65.0             | 68.4              | 48,900                |
| <b>60.0</b>      | <b>65.5</b>       | <b>55,500</b>         | <b>65.0</b>      | <b>65.1</b>       | <b>49,300</b>         | <b>70.0</b>      | <b>64.8</b>       | <b>44,500</b>         | <b>70.0</b>      | <b>66.5</b>       | <b>44,000</b>         |
| 65.0             | 63.0              | 49,800                | 70.0             | 62.8              | 44,700                | 75.0             | 62.6              | 40,300                | 75.0             | 64.5              | 40,100                |
| <b>70.0</b>      | <b>60.5</b>       | <b>44,900</b>         | <b>75.0</b>      | <b>60.5</b>       | <b>40,700</b>         | <b>80.0</b>      | <b>60.4</b>       | <b>37,000</b>         | <b>80.0</b>      | <b>62.5</b>       | <b>36,500</b>         |
| 75.0             | 57.9              | 41,000                | 80.0             | 58.1              | 37,200                | 85.0             | 58.2              | 33,900                | 85.0             | 60.4              | 33,500                |
| <b>80.0</b>      | <b>55.3</b>       | <b>37,400</b>         | <b>85.0</b>      | <b>55.6</b>       | <b>34,100</b>         | <b>90.0</b>      | <b>55.9</b>       | <b>31,300</b>         | <b>90.0</b>      | <b>58.3</b>       | <b>30,800</b>         |
| 85.0             | 52.5              | 34,600                | 90.0             | 53.1              | 31,700                | 95.0             | 53.6              | 29,100                | 95.0             | 56.2              | 28,600                |
| <b>90.0</b>      | <b>49.7</b>       | <b>31,900</b>         | <b>95.0</b>      | <b>50.5</b>       | <b>29,300</b>         | <b>100.0</b>     | <b>51.1</b>       | <b>26,800</b>         | <b>100.0</b>     | <b>54.0</b>       | <b>26,600</b>         |
| 95.0             | 46.7              | 29,700                | 100.0            | 47.7              | 27,300                | 105.0            | 48.6              | 25,100                | 105.0            | 51.7              | 24,600                |
| <b>100.0</b>     | <b>43.5</b>       | <b>27,500</b>         | <b>105.0</b>     | <b>44.9</b>       | <b>25,300</b>         | <b>110.0</b>     | <b>46.0</b>       | <b>23,300</b>         | <b>110.0</b>     | <b>49.4</b>       | <b>23,100</b>         |
| 105.0            | 40.2              | 25,700                | 110.0            | 41.8              | 23,800                | 115.0            | 43.2              | 22,000                | 115.0            | 47.0              | 21,600                |
| <b>110.0</b>     | <b>36.6</b>       | <b>24,200</b>         | <b>115.0</b>     | <b>38.6</b>       | <b>22,200</b>         | <b>120.0</b>     | <b>40.3</b>       | <b>20,700</b>         | <b>120.0</b>     | <b>44.4</b>       | <b>20,200</b>         |
| 115.0            | 32.6              | 22,700 *              | 120.0            | 35.2              | 20,900                | 125.0            | 37.2              | 19,400                | 125.0            | 41.8              | 18,900                |
|                  |                   |                       | <b>125.0</b>     | <b>31.4</b>       | <b>19,600 *</b>       | <b>130.0</b>     | <b>33.9</b>       | <b>18,200 *</b>       | <b>130.0</b>     | <b>39.0</b>       | <b>17,800</b>         |
|                  |                   |                       |                  |                   |                       | 135.0            | 30.2              | 16,500 *              | 135.0            | 36.0              | 16,700                |
|                  |                   |                       |                  |                   |                       |                  |                   |                       | <b>140.0</b>     | <b>32.8</b>       | <b>15,600 *</b>       |
| Reeves           |                   | 5                     | Reeves           |                   | 5                     | Reeves           |                   | 4                     | Reeves           |                   | 4                     |
| 170' Boom        |                   |                       | 180' Boom        |                   |                       | 190' Boom        |                   |                       | 200' Boom        |                   |                       |
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) |
| 36.0             | 79.9              | 102,000 *             | 38.0             | 79.8              | 88,400 *              | 40.0             | 79.8              | 88,100 *              | 45.0             | 78.8              | 75,100 *              |
| <b>38.0</b>      | <b>79.2</b>       | <b>95,600 *</b>       | <b>40.0</b>      | <b>79.2</b>       | <b>88,400 *</b>       | <b>45.0</b>      | <b>78.2</b>       | <b>76,400 *</b>       | <b>50.0</b>      | <b>77.3</b>       | <b>66,100 *</b>       |
| 40.0             | 78.5              | 89,900 *              | 45.0             | 77.6              | 77,600 *              | 50.0             | 76.7              | 67,200 *              | 55.0             | 75.9              | 58,900 *              |
| <b>45.0</b>      | <b>76.8</b>       | <b>78,200 *</b>       | <b>50.0</b>      | <b>75.9</b>       | <b>68,500 *</b>       | <b>55.0</b>      | <b>75.1</b>       | <b>59,900 *</b>       | <b>60.0</b>      | <b>74.4</b>       | <b>52,800 *</b>       |
| 50.0             | 75.1              | 69,200 *              | 55.0             | 74.3              | 61,000 *              | 60.0             | 73.5              | 53,700                | 65.0             | 72.9              | 47,600                |
| <b>55.0</b>      | <b>73.3</b>       | <b>61,200</b>         | <b>60.0</b>      | <b>72.6</b>       | <b>54,000</b>         | <b>65.0</b>      | <b>72.0</b>       | <b>48,000</b>         | <b>70.0</b>      | <b>71.4</b>       | <b>42,900</b>         |
| 60.0             | 71.5              | 54,200                | 65.0             | 70.9              | 48,200                | 70.0             | 70.4              | 43,200                | 75.0             | 69.9              | 38,800                |
| <b>65.0</b>      | <b>69.7</b>       | <b>48,500</b>         | <b>70.0</b>      | <b>69.2</b>       | <b>43,600</b>         | <b>75.0</b>      | <b>68.7</b>       | <b>39,200</b>         | <b>80.0</b>      | <b>68.3</b>       | <b>35,200</b>         |
| 70.0             | 67.9              | 43,800                | 75.0             | 67.5              | 39,400                | 80.0             | 67.1              | 35,700                | 85.0             | 66.8              | 32,400                |
| <b>75.0</b>      | <b>66.1</b>       | <b>39,600</b>         | <b>80.0</b>      | <b>65.8</b>       | <b>36,100</b>         | <b>85.0</b>      | <b>65.5</b>       | <b>32,600</b>         | <b>90.0</b>      | <b>65.2</b>       | <b>29,700</b>         |
| 80.0             | 64.2              | 36,300                | 85.0             | 64.0              | 33,000                | 90.0             | 63.8              | 29,900                | 95.0             | 63.6              | 27,300                |
| <b>85.0</b>      | <b>62.3</b>       | <b>33,200</b>         | <b>90.0</b>      | <b>62.2</b>       | <b>30,400</b>         | <b>95.0</b>      | <b>62.1</b>       | <b>27,700</b>         | <b>100.0</b>     | <b>62.0</b>       | <b>25,300</b>         |
| 90.0             | 60.4              | 30,600                | 95.0             | 60.4              | 27,900                | 100.0            | 60.4              | 25,500                | 105.0            | 60.3              | 23,300                |
| <b>95.0</b>      | <b>58.4</b>       | <b>28,200</b>         | <b>100.0</b>     | <b>58.5</b>       | <b>26,000</b>         | <b>105.0</b>     | <b>58.6</b>       | <b>23,800</b>         | <b>110.0</b>     | <b>58.7</b>       | <b>21,800</b>         |
| 100.0            | 56.4              | 26,200                | 105.0            | 56.6              | 24,000                | 110.0            | 56.8              | 22,000                | 115.0            | 57.0              | 20,200                |
| <b>105.0</b>     | <b>54.4</b>       | <b>24,400</b>         | <b>110.0</b>     | <b>54.7</b>       | <b>22,400</b>         | <b>115.0</b>     | <b>55.0</b>       | <b>20,500</b>         | <b>120.0</b>     | <b>55.2</b>       | <b>18,700</b>         |
| 110.0            | 52.2              | 22,700                | 115.0            | 52.7              | 20,900                | 120.0            | 53.1              | 19,100                | 125.0            | 53.5              | 17,600                |
| <b>115.0</b>     | <b>50.1</b>       | <b>21,100</b>         | <b>120.0</b>     | <b>50.6</b>       | <b>19,600</b>         | <b>125.0</b>     | <b>51.2</b>       | <b>18,000</b>         | <b>130.0</b>     | <b>51.6</b>       | <b>16,500</b>         |
| 120.0            | 47.8              | 19,800                | 125.0            | 48.5              | 18,200                | 130.0            | 49.2              | 16,700                | 135.0            | 49.8              | 15,400                |
| <b>125.0</b>     | <b>45.5</b>       | <b>18,700</b>         | <b>130.0</b>     | <b>46.4</b>       | <b>17,100</b>         | <b>135.0</b>     | <b>47.2</b>       | <b>15,800</b>         | <b>140.0</b>     | <b>47.9</b>       | <b>14,300</b>         |
| 130.0            | 43.0              | 17,400                | 135.0            | 44.1              | 16,000                | 140.0            | 45.0              | 14,700                | 145.0            | 45.9              | 13,400                |
| <b>135.0</b>     | <b>40.5</b>       | <b>16,500</b>         | <b>140.0</b>     | <b>41.7</b>       | <b>15,200</b>         | <b>145.0</b>     | <b>42.9</b>       | <b>13,800</b>         | <b>150.0</b>     | <b>43.8</b>       | <b>12,700</b>         |
| 140.0            | 37.8              | 15,400                | 145.0            | 39.3              | 14,300                | 150.0            | 40.6              | 13,000                | 155.0            | 41.7              | 11,900                |
| <b>145.0</b>     | <b>34.9</b>       | <b>14,500</b>         | <b>150.0</b>     | <b>36.6</b>       | <b>13,400 *</b>       | <b>155.0</b>     | <b>38.2</b>       | <b>12,300 *</b>       | <b>160.0</b>     | <b>39.5</b>       | <b>11,200 *</b>       |
| 150.0            | 31.8              | 13,200 *              | 155.0            | 33.8              | 12,300 *              | 160.0            | 35.6              | 11,200 *              | 165.0            | 37.1              | 10,300 *              |
|                  |                   |                       | <b>160.0</b>     | <b>30.8</b>       | <b>11,000 *</b>       | <b>165.0</b>     | <b>32.9</b>       | <b>10,100 *</b>       | <b>170.0</b>     | <b>34.7</b>       | <b>9,200 *</b>        |
|                  |                   |                       |                  |                   |                       | 170.0            | 30.0              | 9,000 *               | 175.0            | 32.0              | 8,300 *               |
| Reeves           |                   | 4                     | Reeves           |                   | 3                     | Reeves           |                   | 3                     | Reeves           |                   | 3                     |

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

# CK1600G

## SPECIFICATIONS

### Main Boom Lift Capacity

Full Counterweight: 121,300 lbs    Carbody Weight: 23,800

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

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

# CK1600G

## SPECIFICATIONS

### Fixed Jib Lift Capacity

Full Counterweight: 121,300 lbs      Carbody Weight: 23,800

| 90' Boom         |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                  |
|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|------------------|
| Load Radius (ft) | 40 ft Jib          |                  |                   |                  | 60 ft Jib          |                  |                   |                  | 80 ft Jib          |                  |                   |                  | 100 ft Jib         |                  |                   |                  | Load Radius (ft) |
|                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  |                  |
|                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  |                  |
|                  | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) |                  |
| 34               | 79.5               | 59,000*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 34               |
| 36               | 78.6               | 59,000*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 36               |
| 38               | 77.7               | 59,000*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 38               |
| 40               | 76.8               | 59,000*          |                   |                  | 79.6               | 42,500*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 40               |
| 42               | 75.8               | 58,800*          |                   |                  | 78.8               | 42,200*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 42               |
| 44               | 74.9               | 58,200*          |                   |                  | 78.0               | 42,000*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 44               |
| 46               | 74.0               | 57,600*          | 79.5              | 40,100*          | 77.2               | 41,700*          |                   |                  | 79.7               | 22,000*          |                   |                  |                    |                  |                   |                  | 46               |
| 48               | 73.1               | 57,000*          | 78.5              | 39,200*          | 76.5               | 41,500*          |                   |                  | 79.0               | 21,800*          |                   |                  |                    |                  |                   |                  | 48               |
| 50               | 72.2               | 56,400*          | 77.5              | 38,200*          | 75.7               | 41,300*          |                   |                  | 78.3               | 21,600*          |                   |                  | 79.6               | 13,200*          |                   |                  | 50               |
| 55               | 69.8               | 55,100*          | 75.1              | 36,100*          | 73.7               | 40,300*          |                   |                  | 76.6               | 21,300*          |                   |                  | 78.1               | 13,000*          |                   |                  | 55               |
| 60               | 67.4               | 53,900*          | 72.7              | 34,300*          | 71.6               | 39,300*          | 78.8              | 27,000*          | 74.8               | 20,900*          |                   |                  | 76.5               | 12,700*          |                   |                  | 60               |
| 65               | 65.0               | 51,000*          | 70.2              | 32,600*          | 69.6               | 38,400*          | 76.6              | 25,500*          | 73.0               | 20,600*          |                   |                  | 75.0               | 12,400*          |                   |                  | 65               |
| 70               | 62.5               | 47,200           | 67.6              | 31,200*          | 67.5               | 36,100*          | 74.5              | 24,200*          | 71.2               | 20,000*          | 79.7              | 16,700*          | 73.4               | 12,100*          |                   |                  | 70               |
| 75               | 59.9               | 43,100           | 64.9              | 29,800*          | 65.4               | 33,600*          | 72.3              | 23,100*          | 69.4               | 19,400*          | 77.8              | 16,300*          | 71.8               | 11,600*          |                   |                  | 75               |
| 80               | 57.3               | 39,600           | 62.2              | 28,700*          | 63.2               | 31,500*          | 70.0              | 22,000*          | 67.5               | 18,700*          | 75.9              | 15,900*          | 70.1               | 11,200*          | 79.8              | 9,100*           | 80               |
| 85               | 54.5               | 36,600           | 59.4              | 27,600*          | 61.0               | 29,600*          | 67.7              | 21,100*          | 65.7               | 18,100*          | 74.0              | 15,500*          | 68.5               | 10,800*          | 78.1              | 8,900*           | 85               |
| 90               | 51.7               | 33,900           | 56.5              | 26,700*          | 58.7               | 27,900*          | 65.4              | 20,200*          | 63.7               | 17,600*          | 72.0              | 15,200*          | 66.8               | 10,400*          | 76.4              | 8,600*           | 90               |
| 95               | 48.8               | 31,600           | 53.4              | 25,900*          | 56.3               | 26,400*          | 62.9              | 19,400*          | 61.8               | 17,100*          | 69.9              | 14,900*          | 65.1               | 10,000*          | 74.6              | 8,400*           | 95               |
| 100              | 45.6               | 29,500           | 50.1              | 25,100*          | 53.9               | 25,100*          | 60.4              | 18,700*          | 59.8               | 16,600*          | 67.9              | 14,500*          | 63.4               | 9,700*           | 72.8              | 8,200*           | 100              |
| 105              | 42.3               | 27,700           | 46.6              | 24,500*          | 51.4               | 23,900*          | 57.8              | 18,100*          | 57.7               | 16,200*          | 65.7              | 13,900*          | 61.7               | 9,400*           | 71.0              | 8,000*           | 105              |
| 110              | 38.8               | 26,000           | 42.9              | 23,900*          | 48.8               | 22,800*          | 55.1              | 17,500*          | 55.6               | 15,800*          | 63.5              | 13,500*          | 59.9               | 9,100*           | 69.2              | 7,800*           | 110              |
| 115              | 34.9               | 24,400*          |                   |                  | 46.1               | 21,800*          | 52.2              | 17,000*          | 53.5               | 15,400*          | 61.3              | 13,000*          | 58.1               | 8,800*           | 67.3              | 7,600*           | 115              |
| 120              | 30.6               | 21,900*          |                   |                  | 43.2               | 20,900*          | 49.2              | 16,600*          | 51.2               | 15,000*          | 58.9              | 12,600*          | 56.2               | 8,500*           | 65.4              | 7,400*           | 120              |
| 125              |                    |                  |                   |                  | 40.2               | 20,100*          | 45.9              | 16,100*          | 48.9               | 14,700*          | 56.5              | 12,200*          | 54.3               | 8,300*           | 63.4              | 7,300*           | 125              |
| 130              |                    |                  |                   |                  | 36.9               | 19,400*          | 42.3              | 15,800*          | 46.5               | 14,400*          | 53.9              | 11,900*          | 52.3               | 8,100*           | 61.3              | 7,100*           | 130              |
| 135              |                    |                  |                   |                  | 33.3               | 18,700*          |                   |                  | 43.9               | 14,100*          | 51.2              | 11,500*          | 50.3               | 7,900*           | 59.2              | 7,000*           | 135              |
| 140              |                    |                  |                   |                  |                    |                  |                   |                  | 41.3               | 13,900*          | 48.3              | 11,200*          | 48.2               | 7,700*           | 57.0              | 6,900*           | 140              |
| 145              |                    |                  |                   |                  |                    |                  |                   |                  | 38.4               | 13,600*          | 45.2              | 11,000*          | 46.0               | 7,500*           | 54.7              | 6,800*           | 145              |
| 150              |                    |                  |                   |                  |                    |                  |                   |                  | 35.4               | 13,400*          | 41.9              | 10,800*          | 43.8               | 7,300*           | 52.3              | 6,700*           | 150              |
| 155              |                    |                  |                   |                  |                    |                  |                   |                  | 32.0               | 13,200*          |                   |                  | 41.4               | 7,100*           | 49.8              | 6,600*           | 155              |
| 160              |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 38.9               | 7,000*           | 47.1              | 6,500*           | 160              |
| 165              |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 36.2               | 6,900*           | 44.2              | 6,500*           | 165              |
| 170              |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 33.3               | 6,700*           | 41.0              | 6,400*           | 170              |
| 175              |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 30.2               | 6,600*           |                   |                  | 175              |
| Reeves           | 2                  |                  | 2                 |                  | 2                  |                  | 1                 |                  | 1                  |                  | 1                 |                  | 1                  |                  | 1                 |                  | Reeves           |
| 100' Boom        |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                  |
| Load Radius (ft) | 40 ft Jib          |                  |                   |                  | 60 ft Jib          |                  |                   |                  | 80 ft Jib          |                  |                   |                  | 100 ft Jib         |                  |                   |                  | Load Radius (ft) |
|                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  |                  |
|                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  |                  |
|                  | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) |                  |
| 36               | 79.4               | 59,000*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 36               |
| 38               | 78.6               | 59,000*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 38               |
| 40               | 77.7               | 59,000*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 40               |
| 42               | 76.9               | 59,000*          |                   |                  | 79.5               | 42,400*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 42               |
| 44               | 76.0               | 58,900*          |                   |                  | 78.8               | 42,200*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 44               |
| 46               | 75.2               | 58,300*          |                   |                  | 78.1               | 41,900*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 46               |
| 48               | 74.3               | 57,700*          | 79.4              | 40,000*          | 77.3               | 41,700*          |                   |                  | 79.6               | 21,900*          |                   |                  |                    |                  |                   |                  | 48               |
| 50               | 73.5               | 57,200*          | 78.5              | 39,100*          | 76.6               | 41,500*          |                   |                  | 79.0               | 21,800*          |                   |                  |                    |                  |                   |                  | 50               |
| 55               | 71.3               | 55,900*          | 76.3              | 37,100*          | 74.7               | 40,800*          |                   |                  | 77.3               | 21,400*          |                   |                  | 78.7               | 13,100*          |                   |                  | 55               |
| 60               | 69.1               | 54,700*          | 74.0              | 35,200*          | 72.8               | 39,900*          | 79.5              | 27,600*          | 75.7               | 21,100*          |                   |                  | 77.2               | 12,800*          |                   |                  | 60               |
| 65               | 66.9               | 51,600           | 71.7              | 33,600*          | 70.9               | 39,000*          | 77.6              | 26,100*          | 74.0               | 20,800*          |                   |                  | 75.7               | 12,500*          |                   |                  | 65               |
| 70               | 64.6               | 46,900           | 69.4              | 32,100*          | 69.0               | 38,000*          | 75.6              | 24,900*          | 72.3               | 20,500*          |                   |                  | 74.2               | 12,300*          |                   |                  | 70               |
| 75               | 62.3               | 42,800           | 67.0              | 30,800*          | 67.0               | 35,500*          | 73.5              | 23,700*          | 70.6               | 19,800*          | 78.6              | 16,400*          | 72.7               | 11,900*          |                   |                  | 75               |
| 80               | 59.9               | 39,300           | 64.6              | 29,600*          | 65.0               | 33,200*          | 71.5              | 22,700*          | 68.9               | 19,200*          | 76.8              | 16,000*          | 71.2               | 11,500*          |                   |                  | 80               |
| 85               | 57.5               | 36,300           | 62.0              | 28,600*          | 63.0               | 31,300*          | 69.4              | 21,700*          | 67.1               | 18,600*          | 75.0              | 15,700*          | 69.6               | 11,000*          | 78.7              | 8,900*           | 85               |
| 90               | 55.0               | 33,600           | 59.4              | 27,600*          | 60.9               | 29,500*          | 67.2              | 20,800*          | 65.3               | 18,000*          | 73.1              | 15,400*          | 68.1               | 10,700*          | 77.1              | 8,700*           | 90               |
| 95               | 52.4               | 31,300           | 56.7              | 26,800*          | 58.8               | 27,900*          | 65.0              | 20,100*          | 63.5               | 17,500*          | 71.2              | 15,100*          | 66.5               | 10,300*          | 75.5              | 8,500*           | 95               |
| 100              | 49.6               | 29,200           | 53.9              | 26,000*          | 56.6               | 26,600*          | 62.7              | 19,400*          | 61.7               | 17,100*          | 69.3              | 14,800*          | 64.9               | 10,000*          | 73.8              | 8,300*           | 100              |
| 105              | 46.8               | 27,300           | 51.0              | 25,300*          | 54.3               | 25,300*          | 60.4              | 18,700*          | 59.8               | 16,600*          | 67.4              | 14,300*          | 63.2               | 9,700*           | 72.1              | 8,100*           | 105              |
| 110              | 43.8               | 25,600           | 47.9              | 24,700*          | 52.0               | 24,100*          | 58.0              | 18,100*          | 57.9               | 16,200*          | 65.4              | 13,800*          | 61.6               | 9,300*           | 70.4              | 7,900*           | 110              |
| 115              | 40.7               | 24,100           | 44.5              | 24,100*          | 49.6               | 23,100*          | 55.5              | 17,600*          | 55.9               | 15,800*          | 63.3              | 13,400*          | 59.9               | 9,100*           | 68.7              | 7,700*           | 115              |
| 120              | 37.3               | 22,700           | 40.9              | 23,000           | 47.1               | 22,100*          | 52.8              | 17,100*          | 53.9               | 15,400*          | 61.2              | 13,000*          | 58.2               | 8,800*           | 66.9              | 7,500*           | 120              |
| 125              | 33.5               | 21,100*          |                   |                  | 44.5               | 21,300*          | 50.1              | 16,700*          | 51.8               | 15,100*          | 59.0              | 12,600*          | 56.4               | 8,500*           | 65.1              | 7,400*           | 125              |
| 130              |                    |                  |                   |                  | 41.7               | 20,500*          | 47.1              | 16,300*          | 49.6               | 14,800*          | 56.7              | 12,200*          | 54.6               | 8,300*           | 63.2              | 7,200*           | 130              |
| 135              |                    |                  |                   |                  | 38.8               | 19,700           | 43.9              | 15,900*          | 47.4               | 14,500*          | 54.3              | 11,900*          | 52.7               | 8,100*           | 61.3              | 7,100*           | 135              |
| 140              |                    |                  |                   |                  | 35.6               | 18,600*          | 40.5              | 15,600*          | 45.0               | 14,200*          | 51.9              | 11,600*          | 50.8               | 7,900*           | 59.3              | 7,000*           | 140              |
| 145              |                    |                  |                   |                  | 32.1               | 17,000*          |                   |                  | 42.6               | 14,000*          | 49.2              | 11,300*          | 48.9               | 7,700*           | 57.2              | 6,900*           | 145              |
| 150              |                    |                  |                   |                  |                    |                  |                   |                  | 40.0               | 13,700*          | 46.4              | 11,100*          | 46.8               | 7,500*           | 55.1              | 6,800*           | 150              |
| 155              |                    |                  |                   |                  |                    |                  |                   |                  | 37.2               | 13,500*          | 43.4              | 10,800*          | 44.7               | 7,400*           | 52.8              | 6,700*           | 155              |
| 160              |                    |                  |                   |                  |                    |                  |                   |                  | 34.2               | 13,300*          | 40.2              | 10,600*          | 42.5               | 7,200*           | 50.5              | 6,600*           | 160              |
| 165              |                    |                  |                   |                  |                    |                  |                   |                  | 31.0               | 13,200*          |                   |                  | 40.2               | 7,000*           | 48.0              | 6,500*           | 165              |
| 170              |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 37.8               | 6,900*           | 45.4              | 6,500*           | 170              |
| 175              |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 35.2               | 6,800*           | 42.6              | 6,400*           | 175              |
| 180              |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 32.4               | 6,700*           |                   |                  | 180              |
| Reeves           | 2                  |                  | 2                 |                  | 2                  |                  | 1                 |                  | 1                  |                  | 1                 |                  | 1                  |                  | 1                 |                  | Reeves           |

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

# CK1600G

## SPECIFICATIONS

### Fixed Jib Lift Capacity

Full Counterweight: 121,300 lbs      Carbody Weight: 23,800

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

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

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.

# CK1600G

## SPECIFICATIONS

### Fixed Jib Lift Capacity

Full Counterweight: 121,300 lbs      Carbody Weight: 23,800

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

| 140' Boom        |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                  |
|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|------------------|
| Load Radius (ft) | 40 ft Jib          |                  |                   |                  | 60 ft Jib          |                  |                   |                  | 80 ft Jib          |                  |                   |                  | 100 ft Jib         |                  |                   |                  | Load Radius (ft) |
|                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  |                  |
|                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  |                  |
|                  | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) |                  |
| 42               | 79.8               | 59,000*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 42               |
| 44               | 79.2               | 59,000*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 44               |
| 46               | 78.5               | 59,000*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 46               |
| 48               | 77.9               | 59,000*          |                   |                  | 79.9               | 42,400*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 48               |
| 50               | 77.2               | 59,000*          |                   |                  | 79.3               | 42,200*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 50               |
| 55               | 75.6               | 58,400*          | 79.5              | 40,000*          | 77.8               | 41,700*          |                   |                  | 79.7               | 21,900*          |                   |                  |                    |                  |                   |                  | 55               |
| 60               | 73.9               | 56,100           | 77.8              | 38,300*          | 76.4               | 41,300*          |                   |                  | 78.4               | 21,600*          |                   |                  | 79.4               | 13,100*          |                   |                  | 60               |
| 65               | 72.3               | 50,300           | 76.1              | 36,700*          | 74.9               | 40,700*          |                   |                  | 77.0               | 21,300*          |                   |                  | 78.2               | 12,900*          |                   |                  | 65               |
| 70               | 70.6               | 45,500           | 74.4              | 35,400*          | 73.4               | 39,900*          | 78.7              | 26,900*          | 75.7               | 21,000*          |                   |                  | 76.9               | 12,700*          |                   |                  | 70               |
| 75               | 68.9               | 41,400           | 72.6              | 34,100*          | 71.9               | 39,200*          | 77.1              | 25,800*          | 74.3               | 20,800*          |                   |                  | 75.7               | 12,500*          |                   |                  | 75               |
| 80               | 67.1               | 37,800           | 70.9              | 32,900*          | 70.3               | 38,400           | 75.6              | 24,800*          | 72.9               | 20,500*          | 79.4              | 16,500*          | 74.4               | 12,300*          |                   |                  | 80               |
| 85               | 65.4               | 34,800           | 69.1              | 31,800*          | 68.8               | 35,300           | 74.0              | 23,900*          | 71.5               | 20,100*          | 78.0              | 16,200*          | 73.2               | 12,000*          |                   |                  | 85               |
| 90               | 63.6               | 32,100           | 67.2              | 30,800*          | 67.2               | 32,600           | 72.4              | 23,000*          | 70.1               | 19,500*          | 76.5              | 15,900*          | 71.9               | 11,600*          | 79.5              | 9,000*           | 90               |
| 95               | 61.8               | 29,800           | 65.4              | 29,900*          | 65.6               | 30,300           | 70.7              | 22,200*          | 68.7               | 19,000*          | 75.1              | 15,600*          | 70.6               | 11,300*          | 78.2              | 8,800*           | 95               |
| 100              | 59.9               | 27,700           | 63.5              | 28,400           | 64.0               | 28,200           | 69.1              | 21,500*          | 67.3               | 18,600*          | 73.6              | 15,400*          | 69.4               | 10,900*          | 76.8              | 8,600*           | 100              |
| 105              | 58.0               | 25,800           | 61.6              | 26,500           | 62.4               | 26,300           | 67.4              | 20,800*          | 65.8               | 18,100*          | 72.1              | 15,100*          | 68.1               | 10,600*          | 75.5              | 8,400*           | 105              |
| 110              | 56.1               | 24,100           | 59.6              | 24,700           | 60.7               | 24,600           | 65.7              | 20,200*          | 64.4               | 17,700*          | 70.6              | 14,900*          | 66.7               | 10,300*          | 74.1              | 8,200*           | 110              |
| 115              | 54.1               | 22,600           | 57.5              | 23,100           | 59.0               | 23,000           | 63.9              | 19,700*          | 62.9               | 17,300*          | 69.1              | 14,700*          | 65.4               | 10,000*          | 72.8              | 8,100*           | 115              |
| 120              | 52.1               | 21,200           | 55.5              | 21,700           | 57.3               | 21,600           | 62.1              | 19,100*          | 61.4               | 16,900*          | 67.5              | 14,300*          | 64.1               | 9,700*           | 71.4              | 7,900*           | 120              |
| 125              | 50.0               | 19,900           | 53.3              | 20,400           | 55.5               | 20,300           | 60.3              | 18,600*          | 59.8               | 16,600*          | 65.9              | 13,900*          | 62.7               | 9,500*           | 70.0              | 7,800*           | 125              |
| 130              | 47.9               | 18,800           | 51.1              | 19,200           | 53.7               | 19,200           | 58.4              | 18,200*          | 58.3               | 16,200*          | 64.3              | 13,500*          | 61.3               | 9,200*           | 68.5              | 7,600*           | 130              |
| 135              | 45.6               | 17,700           | 48.7              | 18,000           | 51.9               | 18,100           | 56.5              | 17,700*          | 56.7               | 15,900*          | 62.6              | 13,200*          | 59.9               | 9,000*           | 67.1              | 7,500*           | 135              |
| 140              | 43.3               | 16,700           | 46.3              | 17,000           | 50.0               | 17,100           | 54.5              | 17,300*          | 55.0               | 15,600*          | 60.9              | 12,800*          | 58.5               | 8,800*           | 65.6              | 7,400*           | 140              |
| 145              | 40.8               | 15,800           | 43.7              | 16,100           | 48.0               | 16,200           | 52.5              | 16,900           | 53.4               | 15,300*          | 59.2              | 12,500*          | 57.0               | 8,600*           | 64.1              | 7,200*           | 145              |
| 150              | 38.3               | 14,900*          |                   |                  | 46.0               | 15,300           | 50.3              | 16,000           | 51.7               | 15,000*          | 57.4              | 12,300*          | 55.5               | 8,400*           | 62.6              | 7,100*           | 150              |
| 155              | 35.5               | 13,600*          |                   |                  | 43.9               | 14,600           | 48.1              | 15,200           | 49.9               | 14,800*          | 55.6              | 12,000*          | 54.0               | 8,200*           | 61.0              | 7,000*           | 155              |
| 160              | 32.5               | 12,400*          |                   |                  | 41.7               | 13,800           | 45.8              | 14,400           | 48.1               | 14,300           | 53.7              | 11,700*          | 52.5               | 8,000*           | 59.4              | 6,900*           | 160              |
| 165              |                    |                  |                   |                  | 39.3               | 13,000*          | 43.3              | 13,700           | 46.3               | 13,600           | 51.7              | 11,500*          | 50.9               | 7,900*           | 57.8              | 6,900*           | 165              |
| 170              |                    |                  |                   |                  | 36.9               | 12,100*          |                   |                  | 44.3               | 13,000           | 49.7              | 11,300*          | 49.3               | 7,700*           | 56.1              | 6,800*           | 170              |
| 175              |                    |                  |                   |                  | 34.3               | 11,100*          |                   |                  | 42.3               | 12,300           | 47.6              | 11,100*          | 47.6               | 7,600*           | 54.3              | 6,700*           | 175              |
| 180              |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                  |

# CK1600G

## SPECIFICATIONS

### Fixed Jib Lift Capacity

Full Counterweight: 121,300 lbs

Carbody Weight: 23,800

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

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

# CK1600G

## SPECIFICATIONS

### Fixed Jib Lift Capacity

Full Counterweight: 121,300 lbs

Carbody Weight: 23,800

| 170' Boom        |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                  |
|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|------------------|
| Load Radius (ft) | 40 ft Jib          |                  |                   |                  | 60 ft Jib          |                  |                   |                  | 80 ft Jib          |                  |                   |                  | 100 ft Jib         |                  |                   |                  | Load Radius (ft) |
|                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  |                  |
|                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  |                  |
|                  | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) |                  |
| 48               | 79.6               | 59,000*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   | 48               |                  |
| 50               | 79.1               | 59,000*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   | 50               |                  |
| 55               | 77.7               | 59,000*          |                   |                  | 79.5               | 42,100*          |                   |                  |                    |                  |                   |                  |                    |                  |                   | 55               |                  |
| 60               | 76.3               | 55,100           | 79.6              | 40,000*          | 78.2               | 41,700*          |                   |                  | 79.8               | 21,800*          |                   |                  |                    |                  |                   | 60               |                  |
| 65               | 74.9               | 49,300           | 78.2              | 38,600*          | 76.9               | 41,400*          |                   |                  | 78.6               | 21,600*          |                   |                  | 79.5               | 13,100*          |                   | 65               |                  |
| 70               | 73.4               | 44,400           | 76.7              | 37,200*          | 75.6               | 40,900*          |                   |                  | 77.4               | 21,300*          |                   |                  | 78.4               | 12,900*          |                   | 70               |                  |
| 75               | 72.0               | 40,300           | 75.3              | 36,000*          | 74.3               | 40,200*          |                   |                  | 76.2               | 21,100*          |                   |                  | 77.3               | 12,700*          |                   | 75               |                  |
| 80               | 70.6               | 36,800           | 73.8              | 34,800*          | 73.0               | 37,400           | 78.9              | 27,000*          | 77.6               | 26,000*          |                   |                  | 76.2               | 12,500*          |                   | 80               |                  |
| 85               | 69.1               | 33,700           | 72.3              | 33,700*          | 71.7               | 34,300           | 76.2              | 25,100*          | 73.8               | 20,600*          | 79.5              | 16,500*          | 75.1               | 12,300*          |                   | 85               |                  |
| 90               | 67.6               | 31,000           | 70.8              | 32,100           | 70.4               | 31,600           | 74.9              | 24,300*          | 72.6               | 20,400*          | 78.3              | 16,200*          | 74.0               | 12,200*          |                   | 90               |                  |
| 95               | 66.1               | 28,700           | 69.3              | 29,700           | 69.0               | 29,200           | 73.5              | 23,500*          | 71.4               | 20,000*          | 77.0              | 16,000*          | 72.9               | 11,900*          | 79.6              | 8,900*           |                  |
| 100              | 64.6               | 26,500           | 67.7              | 27,500           | 67.7               | 27,100           | 72.1              | 22,800*          | 70.2               | 19,500*          | 75.8              | 15,700*          | 71.8               | 11,500*          | 78.4              | 8,800*           |                  |
| 105              | 63.1               | 24,700           | 66.2              | 25,500           | 66.3               | 25,200           | 70.7              | 22,200*          | 68.9               | 19,100*          | 74.5              | 15,500*          | 70.6               | 11,200*          | 77.3              | 8,600*           |                  |
| 110              | 61.5               | 23,000           | 64.6              | 23,800           | 64.9               | 23,500           | 69.3              | 21,600*          | 67.7               | 18,600*          | 73.2              | 15,300*          | 69.5               | 10,900*          | 76.1              | 8,400*           |                  |
| 115              | 59.9               | 21,400           | 63.0              | 22,200           | 63.5               | 21,900           | 67.8              | 21,000*          | 66.4               | 18,200*          | 71.9              | 15,100*          | 68.3               | 10,600*          | 74.9              | 8,300*           |                  |
| 120              | 58.3               | 20,000           | 61.3              | 20,700           | 62.1               | 20,500           | 66.4              | 20,400*          | 65.1               | 17,900*          | 70.6              | 14,900*          | 67.2               | 10,300*          | 73.7              | 8,100*           |                  |
| 125              | 56.7               | 18,800           | 59.6              | 19,400           | 60.6               | 19,200           | 64.9              | 19,900*          | 63.8               | 17,500*          | 69.3              | 14,700*          | 66.0               | 10,100*          | 72.5              | 8,000*           |                  |
| 130              | 55.0               | 17,600           | 57.9              | 18,200           | 59.2               | 18,000           | 63.4              | 19,200           | 62.5               | 17,200*          | 67.9              | 14,400*          | 64.8               | 9,800*           | 71.3              | 7,800*           |                  |
| 135              | 53.3               | 16,500           | 56.2              | 17,000           | 57.7               | 17,000           | 61.8              | 18,100           | 61.2               | 16,800*          | 66.5              | 14,000*          | 63.6               | 9,600*           | 70.0              | 7,700*           |                  |
| 140              | 51.6               | 15,500           | 54.4              | 16,000           | 56.1               | 16,000           | 60.3              | 17,000           | 59.9               | 16,500*          | 65.1              | 13,700*          | 62.4               | 9,400*           | 68.8              | 7,600*           |                  |
| 145              | 49.8               | 14,600           | 52.5              | 15,100           | 54.6               | 15,000           | 58.7              | 16,000           | 58.5               | 15,700           | 63.7              | 13,400*          | 61.2               | 9,200*           | 67.5              | 7,500*           |                  |
| 150              | 47.9               | 13,800           | 50.6              | 14,200           | 53.0               | 14,200           | 57.0              | 15,100           | 57.1               | 14,800           | 62.3              | 13,100*          | 59.9               | 9,000*           | 66.2              | 7,400*           |                  |
| 155              | 46.0               | 13,000           | 48.7              | 13,300           | 51.4               | 13,400           | 55.4              | 14,300           | 55.7               | 14,000           | 60.8              | 12,800*          | 58.7               | 8,800*           | 64.9              | 7,300*           |                  |
| 160              | 44.0               | 12,200*          | 46.6              | 12,600           | 49.7               | 12,600           | 53.6              | 13,500           | 54.2               | 13,200           | 59.3              | 12,500*          | 57.4               | 8,600*           | 63.6              | 7,200*           |                  |
| 165              | 42.0               | 11,200*          | 44.5              | 11,800*          | 48.0               | 11,900           | 51.9              | 12,700           | 52.8               | 12,500           | 57.8              | 12,300*          | 56.1               | 8,400*           | 62.3              | 7,100*           |                  |
| 170              | 39.8               | 10,300*          | 42.3              | 10,900*          | 46.3               | 11,300*          | 50.0              | 12,000           | 51.3               | 11,900           | 56.2              | 12,000*          | 54.7               | 8,200*           | 60.9              | 7,000*           |                  |
| 175              | 37.6               | 9,400*           |                   |                  | 44.5               | 10,500*          | 48.1              | 11,400           | 49.7               | 11,200           | 54.6              | 11,800*          | 53.4               | 8,100*           | 59.5              | 6,900*           |                  |
| 180              | 35.2               | 8,500*           |                   |                  | 42.6               | 9,700*           | 46.2              | 10,800           | 48.1               | 10,700           | 53.0              | 11,300           | 52.0               | 7,900*           | 58.1              | 6,800*           |                  |
| 185              | 32.7               | 7,700*           |                   |                  | 40.6               | 8,900*           | 44.1              | 10,200           | 46.5               | 10,100           | 51.3              | 10,700           | 50.6               | 7,800*           | 56.6              | 6,700*           |                  |
| 190              | 30.0               | 6,800*           |                   |                  | 38.6               | 8,200*           | 42.0              | 9,300*           | 44.8               | 9,500*           | 49.5              | 10,200           | 49.2               | 7,600*           | 55.1              | 6,700*           |                  |
| 195              |                    |                  |                   |                  | 36.5               | 7,500*           |                   |                  | 43.1               | 8,800*           | 47.7              | 9,600            | 47.7               | 7,500*           | 53.6              | 6,600*           |                  |
| 200              |                    |                  |                   |                  | 34.2               | 6,800*           |                   |                  | 41.3               | 8,200*           | 45.8              | 9,100*           | 46.2               | 7,400*           | 52.0              | 6,500*           |                  |
| 205              |                    |                  |                   |                  | 31.8               | 6,000*           |                   |                  | 39.5               | 7,500*           | 43.8              | 8,400*           | 44.7               | 7,300*           | 50.3              | 6,500*           |                  |
| 210              |                    |                  |                   |                  |                    |                  |                   |                  | 37.5               | 6,900*           | 41.7              | 7,700*           | 43.1               | 7,200*           | 48.7              | 6,400*           |                  |
| 215              |                    |                  |                   |                  |                    |                  |                   |                  | 35.5               | 6,200*           |                   |                  | 41.4               | 6,900*           | 46.9              | 6,400*           |                  |
| 220              |                    |                  |                   |                  |                    |                  |                   |                  | 33.3               | 5,600*           |                   |                  | 39.7               | 6,400*           | 45.1              | 6,400*           |                  |
| 225              |                    |                  |                   |                  |                    |                  |                   |                  | 31.0               | 4,900*           |                   |                  | 37.9               | 5,800*           | 43.2              | 6,300*           |                  |
| 230              |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 36.0               | 5,300*           | 41.2              | 6,300*           |                  |
| 235              |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 34.1               | 4,700*           |                   |                  |                  |
| 240              |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 32.0               | 4,200*           |                   |                  |                  |
| Reeves           | 2                  |                  | 2                 |                  | 2                  |                  | 1                 |                  | 1                  |                  | 1                 |                  | 1                  |                  | 1                 |                  | Reeves           |

| 180' Boom        |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                  |
|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|------------------|
| Load Radius (ft) | 40 ft Jib          |                  |                   |                  | 60 ft Jib          |                  |                   |                  | 80 ft Jib          |                  |                   |                  | 100 ft Jib         |                  |                   |                  | Load Radius (ft) |
|                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  |                  |
|                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  |                  |
|                  | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) |                  |
| 50               | 79.6               | 59,000*          |                   |                  | 79.9               | 42,300*          |                   |                  |                    |                  |                   |                  |                    |                  |                   | 50               |                  |
| 55               | 78.3               | 59,000*          |                   |                  | 78.7               | 41,900*          |                   |                  |                    |                  |                   |                  |                    |                  |                   | 55               |                  |
| 60               | 76.9               | 54,700           |                   |                  | 77.5               | 41,500*          |                   |                  | 79.1               | 21,600*          |                   |                  | 79.9               | 13,200*          |                   | 60               |                  |
| 65               | 75.6               | 48,800           | 78.8              | 39,100*          | 76.2               | 41,200*          |                   |                  | 77.9               | 21,400*          |                   |                  | 78.8               | 13,000*          |                   | 65               |                  |
| 70               | 74.2               | 44,000           | 77.4              | 37,700*          | 75.0               | 40,500*          |                   |                  | 76.8               | 21,200*          |                   |                  | 77.8               | 12,800*          |                   | 70               |                  |
| 75               | 72.9               | 39,900           | 76.0              | 36,500*          | 73.7               | 37,000           | 79.4              | 27,400*          | 75.6               | 20,900*          |                   |                  | 76.7               | 12,600*          |                   | 75               |                  |
| 80               | 71.5               | 36,300           | 74.6              | 35,400*          | 72.5               | 33,900           | 76.8              | 26,400*          | 74.5               | 20,700*          | 80.0              | 16,600*          | 75.7               | 12,400*          |                   | 80               |                  |
| 85               | 70.1               | 33,300           | 73.2              | 34,300*          | 72.5               | 33,900           | 76.8              | 26,400*          | 74.5               | 20,700*          | 80.0              | 16,600*          | 75.7               | 12,400*          |                   | 85               |                  |
| 90               | 68.7               | 30,600           | 71.8              | 31,800           | 71.2               | 31,200           | 75.5              | 24,700*          | 73.3               | 20,500*          | 78.8              | 16,300*          | 74.6               | 12,200*          |                   | 90               |                  |
| 95               | 67.3               | 28,200           | 70.3              | 29,300           | 69.9               | 28,800           | 74.2              | 23,900*          | 72.2               | 20,300*          | 77.6              | 16,100*          | 73.5               | 12,000*          | 80.0              | 9,000*           |                  |
| 100              | 65.9               | 26,100           | 68.9              | 27,100           | 68.6               | 26,600           | 72.9              | 23,200*          | 71.0               | 19,800*          | 76.4              | 15,800*          | 72.4               | 11,700*          | 78.9              | 8,800*           |                  |
| 105              | 64.4               | 24,200           | 67.4              | 25,100           | 67.3               | 24,800           | 71.6              | 22,600*          | 69.8               | 19,400*          | 75.2              | 15,600*          | 71.4               | 11,400*          | 77.8              | 8,700*           |                  |
| 110              | 62.9               | 22,500           | 65.9              | 23,400           | 66.0               | 23,000           | 70.2              | 22,000*          | 68.6               | 18,900*          | 73.9              | 15,400*          | 70.3               | 11,100*          | 76.6              | 8,500*           |                  |
| 115              | 61.5               | 21,000           | 64.4              | 21,800           | 64.7               | 21,500           | 68.9              | 21,400*          | 67.4               | 18,500*          | 72.7              | 15,200*          | 69.2               | 10,800*          | 75.5              | 8,300*           |                  |
| 120              | 59.9               | 19,600           | 62.8              | 20,300           | 63.3               | 20,100           | 67.5              | 20,800*          | 66.2               | 18,200*          | 71.4              | 15,000*          | 68.0               | 10,500*          | 74.4              | 8,200*           |                  |
| 125              | 58.4               | 18,300           | 61.3              | 19,000           | 62.0               | 18,800           | 66.1              | 20,100           | 64.9               | 17,800*          | 70.2              | 14,800*          | 66.9               | 10,300*          | 73.2              | 8,000*           |                  |
| 130              | 56.8               | 17,100           | 59.7              | 17,800           | 60.6               | 17,600           | 64.7              | 18,900           | 63.7               | 17,500*          | 68.9              | 14,600*          | 65.8               | 10,000*          | 72.0              | 7,900*           |                  |
| 135              | 55.3               | 16,000           | 58.0              | 16,600           | 59.2               | 16,500           | 63.2              | 17,700           | 62.4               | 17,100*          | 67.6              | 14,300*          | 64.6               | 9,800*           | 70.9              | 7,800*           |                  |
| 140              | 53.6               | 15,100           | 56.4              | 15,600           | 57.8               | 15,500           | 61.7              | 16,700           | 61.1               | 16,200           | 66.3              | 13,900*          | 63.5               | 9,600*           | 69.7              | 7,700*           |                  |
| 145              | 52.0               | 14,100           | 54.7              | 14,600           | 56.3               | 14,600           | 60.2              | 15,700           | 59.9               | 15,200           | 64.9              | 13,600*          | 62.3               | 9,300*           | 68.5              | 7,600*           |                  |
| 150              | 50.3               | 13,300           | 52.9              | 13,800           | 54.8               | 13,700           | 58.7              | 14,800           | 58.5               | 14,400           | 63.6              | 13,300*          | 61.1               | 9,100*           | 67.2              | 7,400*           |                  |
| 155              | 48.5               | 12,500           | 51.1              | 12,900           | 53.3               | 12,900           | 57.2              | 13,900           | 57.2               | 13,600           | 62.2              | 13,000*          | 59.9               | 8,900*           | 66.0              | 7,300*           |                  |
| 160              | 46.7               | 11,600*          | 49.3              | 12,100           | 51.8               | 12,200           | 55.6              | 13,100           | 55.8               | 12,800           | 60.8              | 12,800*          | 58.7               | 8,800*           | 64.7              | 7,200*           |                  |
| 165              | 44.9               | 10,800*          | 47.3              | 11,300*          | 50.2               | 11,500           | 53.9              | 12,300           | 54.5               | 12,100           | 59.3              | 12,500*          | 57.5               | 8,600*           | 63.5              | 7,100*           |                  |
| 170              | 42.9               | 9,900*           | 45.3              | 10,500*          | 48.6               | 10,700*          | 52.3              | 11,700           | 53.1               | 11,400           | 57.9              | 12,300           | 56.2               | 8,400*           | 62.2              | 7,000*           |                  |
| 175              | 40.9               | 9,100*           | 43.3              | 9,600*           | 46.9               | 9,900*           | 50.5              | 11,000           | 51.6               | 10,800           | 56.4              | 11,600           | 54.9               | 8,300*           | 60.8              | 7,000*           |                  |
| 180              | 38.9               | 8,200*           | 41.1              | 8,800*           | 45.2               | 9,200*           | 48.7              | 10,400           | 50.1               | 10,200           | 54.9              | 11,000           | 53.6               | 8,100*           | 59.               |                  |                  |

# CK1600G

## SPECIFICATIONS

### Fixed Jib Lift Capacity

Full Counterweight: 121,300 lbs

Carbody Weight: 23,800

| 190' Boom        |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                  |
|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|------------------|
| Load Radius (ft) | 40 ft Jib          |                  |                   |                  | 60 ft Jib          |                  |                   |                  | 80 ft Jib          |                  |                   |                  | 100 ft Jib         |                  |                   |                  | Load Radius (ft) |
|                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  |                  |
|                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  |                  |
|                  | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) |                  |
| 50               | 80.0               | 53,100*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 50               |
| 55               | 78.8               | 52,400*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 55               |
| 60               | 77.5               | 51,600*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 60               |
| 65               | 76.2               | 48,300*          | 79.3              | 39,600*          | 78.0               | 41,600*          |                   |                  | 79.5               | 21,700*          |                   |                  |                    |                  |                   |                  | 65               |
| 70               | 74.9               | 43,600*          |                   |                  | 76.8               | 41,300*          |                   |                  | 78.4               | 21,500*          |                   |                  | 79.2               | 13,000*          |                   |                  | 70               |
| 75               | 73.6               | 39,500*          | 76.6              | 37,000*          | 75.6               | 40,000*          | 79.9              | 27,700*          | 77.3               | 21,200*          |                   |                  | 78.2               | 12,800*          |                   |                  | 75               |
| 80               | 72.3               | 36,000*          | 75.3              | 35,900*          | 74.4               | 36,600*          | 78.6              | 26,800*          | 76.2               | 21,000*          |                   |                  | 77.2               | 12,600*          |                   |                  | 80               |
| 85               | 71.0               | 32,900*          | 74.0              | 34,300*          | 73.2               | 33,500*          | 77.4              | 25,900*          | 75.1               | 20,800*          |                   |                  | 76.2               | 12,500*          |                   |                  | 85               |
| 90               | 69.7               | 30,200*          | 72.6              | 31,500*          | 72.0               | 30,800*          | 76.2              | 25,100*          | 74.0               | 20,600*          | 79.2              | 16,400*          | 75.2               | 12,300*          |                   |                  | 90               |
| 95               | 68.3               | 27,800*          | 71.2              | 29,000*          | 70.8               | 28,400*          | 74.9              | 24,300*          | 72.8               | 20,400*          | 78.1              | 16,200*          | 74.1               | 12,100*          |                   |                  | 95               |
| 100              | 67.0               | 25,700*          | 69.9              | 26,800*          | 69.5               | 26,300*          | 73.7              | 23,600*          | 71.7               | 20,100*          | 76.9              | 15,900*          | 73.1               | 11,900*          | 79.3              | 8,900*           | 100              |
| 105              | 65.6               | 23,800*          | 68.5              | 24,800*          | 68.3               | 24,400*          | 72.4              | 22,900*          | 70.6               | 19,600*          | 75.8              | 15,700*          | 72.0               | 11,600*          | 78.2              | 8,700*           | 105              |
| 110              | 64.2               | 22,100*          | 67.1              | 23,100*          | 67.1               | 22,700*          | 71.1              | 22,300*          | 69.4               | 19,200*          | 74.6              | 15,500*          | 71.0               | 11,300*          | 77.1              | 8,500*           | 110              |
| 115              | 62.8               | 20,600*          | 65.6              | 21,400*          | 65.8               | 21,100*          | 69.8              | 21,700*          | 68.3               | 18,800*          | 73.4              | 15,300*          | 69.9               | 11,000*          | 76.1              | 8,400*           | 115              |
| 120              | 61.4               | 19,200*          | 64.2              | 20,000*          | 64.5               | 19,700*          | 68.5              | 21,200*          | 67.1               | 18,400*          | 72.2              | 15,100*          | 68.8               | 10,700*          | 75.0              | 8,200*           | 120              |
| 125              | 59.9               | 17,900*          | 62.7              | 18,600*          | 63.2               | 18,400*          | 67.2              | 19,900*          | 65.9               | 18,100*          | 71.0              | 14,900*          | 67.8               | 10,400*          | 73.8              | 8,100*           | 125              |
| 130              | 58.5               | 16,700*          | 61.2              | 17,400*          | 61.9               | 17,200*          | 65.8              | 18,600*          | 64.8               | 17,700*          | 69.8              | 14,700*          | 66.7               | 10,200*          | 72.7              | 8,000*           | 130              |
| 135              | 57.0               | 15,700*          | 59.7              | 16,300*          | 60.6               | 16,100*          | 64.5              | 17,400*          | 63.6               | 16,900*          | 68.5              | 14,500*          | 65.6               | 10,000*          | 71.6              | 7,800*           | 135              |
| 140              | 55.5               | 14,700*          | 58.1              | 15,200*          | 59.2               | 15,100*          | 63.1              | 16,400*          | 62.3               | 15,800*          | 67.3              | 14,200*          | 64.5               | 9,700*           | 70.5              | 7,700*           | 140              |
| 145              | 53.9               | 13,800*          | 56.5              | 14,300*          | 57.9               | 14,200*          | 61.7              | 15,400*          | 61.1               | 14,900*          | 66.0              | 13,800*          | 63.4               | 9,500*           | 69.3              | 7,600*           | 145              |
| 150              | 52.3               | 12,900*          | 54.9              | 13,400*          | 56.5               | 13,300*          | 60.2              | 14,500*          | 59.9               | 14,000*          | 64.7              | 13,600*          | 62.2               | 9,300*           | 68.1              | 7,500*           | 150              |
| 155              | 50.7               | 12,100*          | 53.3              | 12,600*          | 55.0               | 12,500*          | 58.8              | 13,600*          | 58.6               | 13,200*          | 63.4              | 13,300*          | 61.1               | 9,100*           | 67.0              | 7,400*           | 155              |
| 160              | 49.1               | 11,200*          | 51.6              | 11,800*          | 53.6               | 11,800*          | 57.3              | 12,800*          | 57.3               | 12,500*          | 62.1              | 13,000*          | 59.9               | 8,900*           | 65.8              | 7,300*           | 160              |
| 165              | 47.4               | 10,300*          | 49.8              | 10,900*          | 52.1               | 11,000*          | 55.8              | 12,000*          | 56.0               | 11,700*          | 60.7              | 12,700*          | 58.7               | 8,700*           | 64.6              | 7,200*           | 165              |
| 170              | 45.6               | 9,500*           | 48.0              | 10,100*          | 50.6               | 10,200*          | 54.2              | 11,300*          | 54.7               | 11,100*          | 59.4              | 12,000*          | 57.6               | 8,600*           | 63.3              | 7,100*           | 170              |
| 175              | 43.8               | 8,700*           | 46.1              | 9,300*           | 49.1               | 9,500*           | 52.6              | 10,700*          | 53.3               | 10,400*          | 58.0              | 11,300*          | 56.4               | 8,400*           | 62.1              | 7,000*           | 175              |
| 180              | 41.9               | 8,000*           | 44.2              | 8,500*           | 47.5               | 8,800*           | 51.0              | 10,000*          | 52.0               | 9,800*           | 56.5              | 10,700*          | 55.1               | 8,300*           | 60.8              | 6,900*           | 180              |
| 185              | 40.0               | 7,200*           | 42.2              | 7,700*           | 45.9               | 8,100*           | 49.3              | 9,400*           | 50.6               | 9,200*           | 55.1              | 10,100*          | 53.9               | 8,100*           | 59.5              | 6,900*           | 185              |
| 190              | 37.9               | 6,500*           | 40.0              | 7,000*           | 44.2               | 7,400*           | 47.6              | 8,700*           | 49.1               | 8,500*           | 53.6              | 9,500*           | 52.6               | 8,000*           | 58.2              | 6,800*           | 190              |
| 195              | 35.8               | 5,700*           |                   |                  | 42.5               | 6,800*           | 45.7              | 8,000*           | 47.6               | 7,900*           | 52.0              | 8,900*           | 51.3               | 7,800*           | 56.9              | 6,700*           | 195              |
| 200              | 33.6               | 5,000*           |                   |                  | 40.7               | 6,100*           | 43.9              | 7,300*           | 46.1               | 7,300*           | 50.5              | 8,300*           | 50.0               | 7,700*           | 55.5              | 6,700*           | 200              |
| 205              | 31.1               | 4,300*           |                   |                  | 38.8               | 5,500*           | 41.9              | 6,600*           | 44.6               | 6,700*           | 48.8              | 7,600*           | 48.7               | 7,100*           | 54.1              | 6,600*           | 205              |
| 210              |                    |                  |                   |                  | 36.9               | 4,900*           |                   |                  | 43.0               | 6,100*           | 47.1              | 7,000*           | 47.3               | 6,600*           | 52.7              | 6,500*           | 210              |
| 215              |                    |                  |                   |                  | 34.9               | 4,300*           |                   |                  | 41.3               | 5,600*           | 45.4              | 6,400*           | 45.9               | 6,100*           | 51.2              | 6,500*           | 215              |
| 220              |                    |                  |                   |                  |                    |                  |                   |                  | 39.6               | 5,000*           | 43.6              | 5,900*           | 44.4               | 5,500*           | 49.7              | 6,500*           | 220              |
| 225              |                    |                  |                   |                  |                    |                  |                   |                  | 37.8               | 4,500*           | 41.7              | 5,300*           | 42.9               | 5,000*           | 48.1              | 6,100*           | 225              |
| 230              |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 41.4               | 4,600*           | 46.5              | 5,600*           | 230              |
| 235              |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 39.8               | 4,100*           | 44.8              | 5,100*           | 235              |
| 240              |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  | 43.0              | 4,600*           | 240              |
| 245              |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  | 41.2              | 4,100*           | 245              |
| Reeves           | 2                  |                  | 2                 |                  | 2                  |                  | 1                 |                  | 1                  |                  | 1                 |                  | 1                  |                  | 1                 |                  | Reeves           |

| 200' Boom        |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                  |
|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|-------------------|------------------|------------------|
| Load Radius (ft) | 40 ft Jib          |                  |                   |                  | 60 ft Jib          |                  |                   |                  | 80 ft Jib          |                  |                   |                  | 100 ft Jib         |                  |                   |                  | Load Radius (ft) |
|                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  | O set Angle (deg.) |                  |                   |                  |                  |
|                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  | 10                 |                  | 30                |                  |                  |
|                  | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.)  | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) |                  |
| 55               | 79.2               | 46,200*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 55               |
| 60               | 78.0               | 45,500*          |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  | 60               |
| 65               | 76.8               | 44,700*          | 79.7              | 40,000*          | 78.4               | 41,700*          |                   |                  | 79.8               | 21,800*          |                   |                  |                    |                  |                   |                  | 65               |
| 70               | 75.6               | 42,900*          | 78.5              | 38,700*          | 77.3               | 41,400*          |                   |                  | 78.8               | 21,600*          |                   |                  | 79.6               | 13,100*          |                   |                  | 70               |
| 75               | 74.3               | 39,100*          | 77.2              | 37,500*          | 76.2               | 39,200*          |                   |                  | 77.7               | 21,300*          |                   |                  | 78.6               | 12,900*          |                   |                  | 75               |
| 80               | 73.1               | 35,700*          | 76.0              | 36,400*          | 75.0               | 35,900*          | 79.1              | 27,100*          | 76.7               | 21,100*          |                   |                  | 77.6               | 12,700*          |                   |                  | 80               |
| 85               | 71.8               | 32,600*          | 74.7              | 33,800*          | 73.9               | 33,000*          | 77.9              | 26,200*          | 75.6               | 20,900*          |                   |                  | 76.7               | 12,500*          |                   |                  | 85               |
| 90               | 70.6               | 30,000*          | 73.4              | 31,100*          | 72.7               | 30,400*          | 76.7              | 25,400*          | 74.6               | 20,700*          | 79.6              | 16,500*          | 75.7               | 12,400*          |                   |                  | 90               |
| 95               | 69.3               | 27,600*          | 72.1              | 28,800*          | 71.6               | 28,100*          | 75.5              | 24,700*          | 73.5               | 20,500*          | 78.5              | 16,200*          | 74.7               | 12,200*          |                   |                  | 95               |
| 100              | 68.0               | 25,500*          | 70.8              | 26,600*          | 70.4               | 26,000*          | 74.3              | 24,000*          | 72.4               | 20,300*          | 77.4              | 16,000*          | 73.7               | 12,100*          | 79.7              | 8,900*           | 100              |
| 105              | 66.7               | 23,600*          | 69.5              | 24,600*          | 69.2               | 24,100*          | 73.1              | 23,300*          | 71.3               | 19,900*          | 76.3              | 15,800*          | 72.7               | 11,700*          | 78.6              | 8,700*           | 105              |
| 110              | 65.4               | 21,800*          | 68.1              | 22,800*          | 68.0               | 22,400*          | 71.9              | 22,700*          | 70.2               | 19,500*          | 75.2              | 15,600*          | 71.6               | 11,400*          | 77.6              | 8,600*           | 110              |
| 115              | 64.0               | 20,300*          | 66.8              | 21,200*          | 66.8               | 20,800*          | 70.7              | 22,100*          | 69.1               | 19,100*          | 74.0              | 15,400*          | 70.6               | 11,100*          | 76.6              | 8,400*           | 115              |
| 120              | 62.7               | 18,900*          | 65.4              | 19,700*          | 65.6               | 19,400*          | 69.4              | 21,000*          | 68.0               | 18,700*          | 72.9              | 15,200*          | 69.6               | 10,900*          | 75.5              | 8,300*           | 120              |
| 125              | 61.3               | 17,600*          | 64.0              | 18,400*          | 64.3               | 18,100*          | 68.2              | 19,600*          | 66.9               | 18,300*          | 71.7              | 15,000*          | 68.6               | 10,600*          | 74.4              | 8,200*           | 125              |
| 130              | 60.0               | 16,400*          | 62.6              | 17,200*          | 63.1               | 16,900*          | 66.9              | 18,400*          | 65.7               | 17,700*          | 70.6              | 14,800*          | 67.5               | 10,400*          | 73.4              | 8,000*           | 130              |
| 135              | 58.5               | 15,400*          | 61.1              | 16,000*          | 61.8               | 15,800*          | 65.6              | 17,200*          | 64.6               | 16,600*          | 69.4              | 14,600*          | 66.5               | 10,100*          | 72.3              | 7,900*           | 135              |
| 140              | 57.1               | 14,400*          | 59.7              | 15,000*          | 60.5               | 14,800*          | 64.3              | 16,100*          | 63.4               | 15,600*          | 68.2              | 14,400*          | 65.4               | 9,900*           | 71.2              | 7,800*           | 140              |
| 145              | 55.7               | 13,400*          | 58.2              | 14,000*          | 59.3               | 13,900*          | 63.0              | 15,100*          | 62.3               | 14,600*          | 67.0              | 14,100*          | 64.3               | 9,700*           | 70.1              | 7,700*           | 145              |
| 150              | 54.2               | 12,500*          | 56.7              | 13,100*          | 57.9               | 13,000*          | 61.6              | 14,200*          | 61.1               | 13,800*          | 65.8              | 13,800*          | 63.2               | 9,500*           | 69.0              | 7,600*           | 150              |
| 155              | 52.7               | 11,600*          | 55.2              | 12,300*          | 56.6               | 12,100*          | 60.2              | 13,400*          | 59.9               | 12,900*          | 64.5              | 13,500*          | 62.2               | 9,300*           | 67.9              | 7,500*           | 155              |
| 160              | 51.1               | 10,800*          | 53.6              | 11,400*          | 55.2               | 11,300*          | 58.8              | 12,600*          | 58.6               | 12,200*          | 63.3              | 13,200*          | 61.0               | 9,100*           | 66.7              | 7,400*           | 160              |
| 165              | 49.6               | 9,900*           | 52.0              | 10,600*          | 53.9               | 10,500*          | 57.4              | 11,800*          | 57.4               | 11,500*          | 62.0              | 12,500*          | 59.9               | 8,900*           | 65.6              | 7,300*           | 165              |
| 170              | 48.0               | 9,100*           | 50.3              | 9,700*           | 52.5               | 9,800*           | 56.0              | 11,100*          | 56.2               | 10,800*          | 60.7              | 11,700*          | 58.8               | 8,700*           | 64.4              | 7,200*           | 170              |
|                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                    |                  |                   |                  |                  |

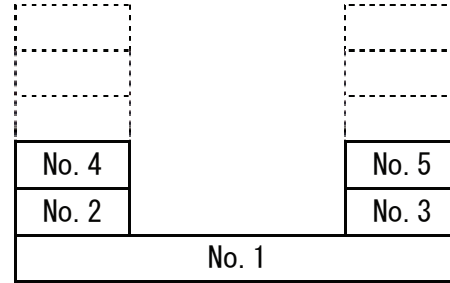
### Supplemental Data - Clamshell

- Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
- Rated loads do not exceed 66% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk \* in the charts.
- The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
  - 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.
  - Must have 61,700 lbs (4) Counterweights installed, and without carbody weights.
- Do not attempt to lift where no radius on load is listed as crane may tip or collapse.
- Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine rated loads.
- Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
- The boom should be erected over the front of the crawlers, not laterally.
- Least stable position is over the side.
- Maximum hoist load for number of reeving parts of line for hoist rope.

#### Maximum Load for Main Boom

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

- Rated loads listed apply only to the machine as originally manufactured and designed by KOBELCO CRANES CO., LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.
- Assembling the Counterweight  
61,700 lbs counterweight (No. 1 ~ No. 5)  
Without Carbody weights



Counterweights



Carbody  
Weights

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                 |
|--------------------|----------------------------------|
| 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-B-B-Tip, Base-A-A-C-Tip |
| 110 (33.5)         | Base-A-B-C-Tip                   |
| 120 (36.6)         | Base-A-A-B-C-Tip, Base-B-B-C-Tip |

Base = Boom Base

Insert: A = 10 ft (3.05 m)

B = 20 ft (6.10 m)

C = 40 ft (12.2 m)

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.

5 Counterweights (61,700 lbs) - Without Carbody weights.

| 50' Boom         |                   |                       | 60' Boom         |                   |                       | 70' Boom         |                   |                       |
|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) |
| 28.0             | 64.0              | 29,500 *              | 32.0             | 64.4              | 29,500 *              | 36.0             | 64.7              | 29,500 *              |
| 30.0             | 61.4              | 29,500 *              | 34.0             | 62.2              | 29,500 *              | 38.0             | 62.8              | 29,500 *              |
| 32.0             | 58.7              | 29,500 *              | 36.0             | 60.0              | 29,500 *              | 40.0             | 61.0              | 29,500 *              |
| 34.0             | 55.9              | 29,500 *              | 38.0             | 57.7              | 29,500 *              | 42.0             | 59.1              | 29,500 *              |
| 36.0             | 53.0              | 29,500 *              | 40.0             | 55.4              | 29,500 *              | 44.0             | 57.1              | 29,500 *              |
| 38.0             | 50.0              | 29,500 *              | 42.0             | 53.0              | 29,500 *              | 46.0             | 55.1              | 29,500 *              |
| 40.0             | 46.8              | 29,500 *              | 44.0             | 50.5              | 29,500 *              | 48.0             | 53.0              | 29,500 *              |
| 42.0             | 43.5              | 29,500 *              | 46.0             | 47.9              | 29,500 *              | 50.0             | 50.9              | 29,500 *              |
| 44.0             | 39.9              | 29,500 *              | 48.0             | 45.2              | 29,500 *              | 55.0             | 45.3              | 29,500 *              |
| 46.0             | 36.0              | 29,500 *              | 50.0             | 42.4              | 29,500 *              | 60.0             | 39.0              | 29,500 *              |
|                  |                   |                       | 55.0             | 34.4              | 29,500 *              | 65.0             | 31.7              | 27,900 *              |

Refer to notes on page 31.

# CK1600G

## SPECIFICATIONS

### Clamshell

5 Counterweights (61,700 lbs) - Without Carbody weights.

| 80' Boom         |                   |                       | 90' Boom         |                   |                       | 100' 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) |
| 40.0             | 64.9              | 29,500 *              | 46.0             | 63.7              | 26,800 *              | 50.0             | 63.9              | 22,700 *              |
| 42.0             | 63.3              | 29,500 *              | 48.0             | 62.2              | 26,800 *              | 55.0             | 60.7              | 21,500 *              |
| 44.0             | 61.7              | 29,500 *              | 50.0             | 60.8              | 26,700 *              | 60.0             | 57.3              | 20,500 *              |
| 46.0             | 60.0              | 29,500 *              | 55.0             | 57.0              | 25,500 *              | 65.0             | 53.8              | 19,700 *              |
| 48.0             | 58.3              | 29,500 *              | 60.0             | 53.1              | 24,400 *              | 70.0             | 50.1              | 18,900 *              |
| 50.0             | 56.6              | 29,500 *              | 65.0             | 48.9              | 23,400 *              | 75.0             | 46.2              | 18,100 *              |
| 55.0             | 52.1              | 29,500 *              | 70.0             | 44.4              | 22,600 *              | 80.0             | 42.0              | 17,400 *              |
| 60.0             | 47.4              | 29,300 *              | 75.0             | 39.6              | 21,600 *              | 85.0             | 37.4              | 16,700 *              |
| 65.0             | 42.2              | 28,000                | 80.0             | 34.1              | 20,700                | 90.0             | 32.3              | 16,200 *              |
| 70.0             | 36.3              | 25,300                |                  |                   |                       |                  |                   |                       |
| 110' Boom        |                   |                       | 120' Boom        |                   |                       |                  |                   |                       |
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) |                  |                   |                       |
| 55.0             | 63.6              | 18,200 *              | 60.0             | 63.3              | 14,400 *              |                  |                   |                       |
| 60.0             | 60.6              | 17,200 *              | 65.0             | 60.6              | 13,700 *              |                  |                   |                       |
| 65.0             | 57.5              | 16,600 *              | 70.0             | 57.8              | 13,000 *              |                  |                   |                       |
| 70.0             | 54.4              | 15,900 *              | 75.0             | 54.9              | 12,500 *              |                  |                   |                       |
| 75.0             | 51.1              | 15,200 *              | 80.0             | 51.9              | 11,900 *              |                  |                   |                       |
| 80.0             | 47.6              | 14,500 *              | 85.0             | 48.7              | 11,400 *              |                  |                   |                       |
| 85.0             | 43.9              | 13,900 *              | 90.0             | 45.4              | 10,900 *              |                  |                   |                       |
| 90.0             | 39.9              | 13,400 *              | 95.0             | 41.9              | 10,500 *              |                  |                   |                       |
| 95.0             | 35.6              | 13,000 *              | 100.0            | 38.1              | 10,000 *              |                  |                   |                       |
| 100.0            | 30.7              | 12,400 *              | 105.0            | 34.0              | 9,600 *               |                  |                   |                       |

Refer to notes on page 31.

### Supplemental Data - Barge

- Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
- Rated loads do not exceed 75% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk \* in the charts.
- The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
  - Machine shall be positively secured to prevent shifting.
  - Boom backstops are required for all boom length.
  - Gantry must be fully raised position for all operations.
  - Must have 121,300 lbs (11) Counterweights fully installed.
  - Must have 23,800 lbs (2) Carbody weights fully installed.
- Do not attempt to lift where no radius on load is listed as crane may tip or collapse.
- Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine rated loads.
- Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
- When lifting over boom point with jib or auxiliary sheave, rated loads for the boom must be deducted as shown below.

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

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

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

- The boom should be erected over the front of the crawlers, not laterally.
- Least stable position is over the side.
- Maximum hoist load for number of reeving parts of line for hoist rope.

#### Maximum Load for Main Boom

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

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

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

#### Maximum Load Auxiliary Sheave

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

- Weight of recommended hook block.

| Hook Block   | 160 t | 110 t | 70 t  | 30 t  | 15 t ball hook |
|--------------|-------|-------|-------|-------|----------------|
| Weight (lbs) | 5,275 | 3,960 | 2,775 | 2,200 | 1,315          |

Warning: If the weight of the hook block to be used is light than the recommended weight, the jib may turn over back or will be difficult to lower the empty hook block.

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

# CK1600G

## SPECIFICATIONS

### Barge

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

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

Refer to notes on page 34.

# CK1600G

## SPECIFICATIONS

### Barge

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

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

Refer to notes on page 34.

# CK1600G

## SPECIFICATIONS

### Barge

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

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

Refer to notes on page 34.

# CK1600G

## SPECIFICATIONS

### Barge

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

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

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### General Description

|                                           |                                                   |
|-------------------------------------------|---------------------------------------------------|
| <i>Luffing boom maximum lift capacity</i> | 170,000 lbs (77,111 kg)<br>@ 26' operating radius |
| <i>Luffing jib maximum lift capacity</i>  | 79,000 lbs (35,800 kg)<br>@ 40' operating radius  |
| <i>Maximum luffing boom length</i>        | 157' (47.9 m)                                     |
| <i>Maximum luffing jib length</i>         | 175' (53.3 m)                                     |
| <i>Working weight</i>                     | Approx. 326,500 lbs<br>(148,110 kg)               |
| <i>Ground bearing pressure</i>            | Approx. 11.7 psi<br>(106 kPa)                     |

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

### Luffing Attachments

#### *Luffing boom:*

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

|                                                                |                                                       |
|----------------------------------------------------------------|-------------------------------------------------------|
| <i>Basic boom length</i>                                       | 107' (32.7 m)                                         |
| <i>Boom tip section (with pin connected boom point sheave)</i> | 2' (0.7 m)                                            |
| <i>Boom insert section (with idler sheave)</i>                 | 10' (3.1 m), 20' (6.1 m)<br>30' (9.1 m), 40' (12.2 m) |
| <i>Boom base section</i>                                       | 25' (7.6 m)                                           |
| <i>Maximum boom length</i>                                     | 157' (47.9 m)                                         |

#### *Luffing boom insert (optional):*

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

|                    |                                        |
|--------------------|----------------------------------------|
| <i>Boom insert</i> | 10' (3.1 m), 20' (6.1 m), 40' (12.2 m) |
|--------------------|----------------------------------------|

#### *Luffing jib (optional):*

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

|                                   |                                           |
|-----------------------------------|-------------------------------------------|
| <i>Basic luffing jib length</i>   | 75' (22.9 m)                              |
| <i>Luffing jib insert</i>         | 14' (4.3 m), 20' (6.1 m)                  |
| <i>Jib tip section</i>            | 21' (6.4 m)                               |
| <i>Jib base section</i>           | 20' (6.1 m)                               |
| <i>No. of point sheaves</i>       | 2                                         |
| <i>Maximum luffing jib length</i> | 175' (53.3 m)                             |
| <i>Insert luffing jib length</i>  | 10' (3.1 m), 20' (6.10 m)<br>40' (12.2 m) |

### Working Speed

|                                                            |                                 |
|------------------------------------------------------------|---------------------------------|
| <i>Hoist line speed (front and rear drums)</i>             | 394 ~ 10 ft/min (120 ~ 3 m/min) |
| <i>Lowering line speed (front and rear drums)</i>          | 394 ~ 10 ft/min (120 ~ 3 m/min) |
| <i>Boom hoist line speed (front and rear drums)</i>        | 157 ~ 6.6 ft/min (48 ~ 2 m/min) |
| <i>2 minutes: 250' (76.2 m) boom raise 0 to 80 degrees</i> |                                 |
| <i>Boom lowering line speed (front and rear drums)</i>     | 157 ~ 6.6 ft/min (48 ~ 2 m/min) |
| <i>Swing speed (max.)</i>                                  | 2.1 rpm (2.1 min-1)             |
| <i>Travel speed (high/low)</i>                             | 0.81/0.56 mph (1.3/0.9 km/h)    |

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

#### *Auxiliary sheave:*

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

#### *Diameter of wire rope:*

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

#### *Luffing boom hoist reeving:*

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

#### *Luffing jib hoist reeving:*

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

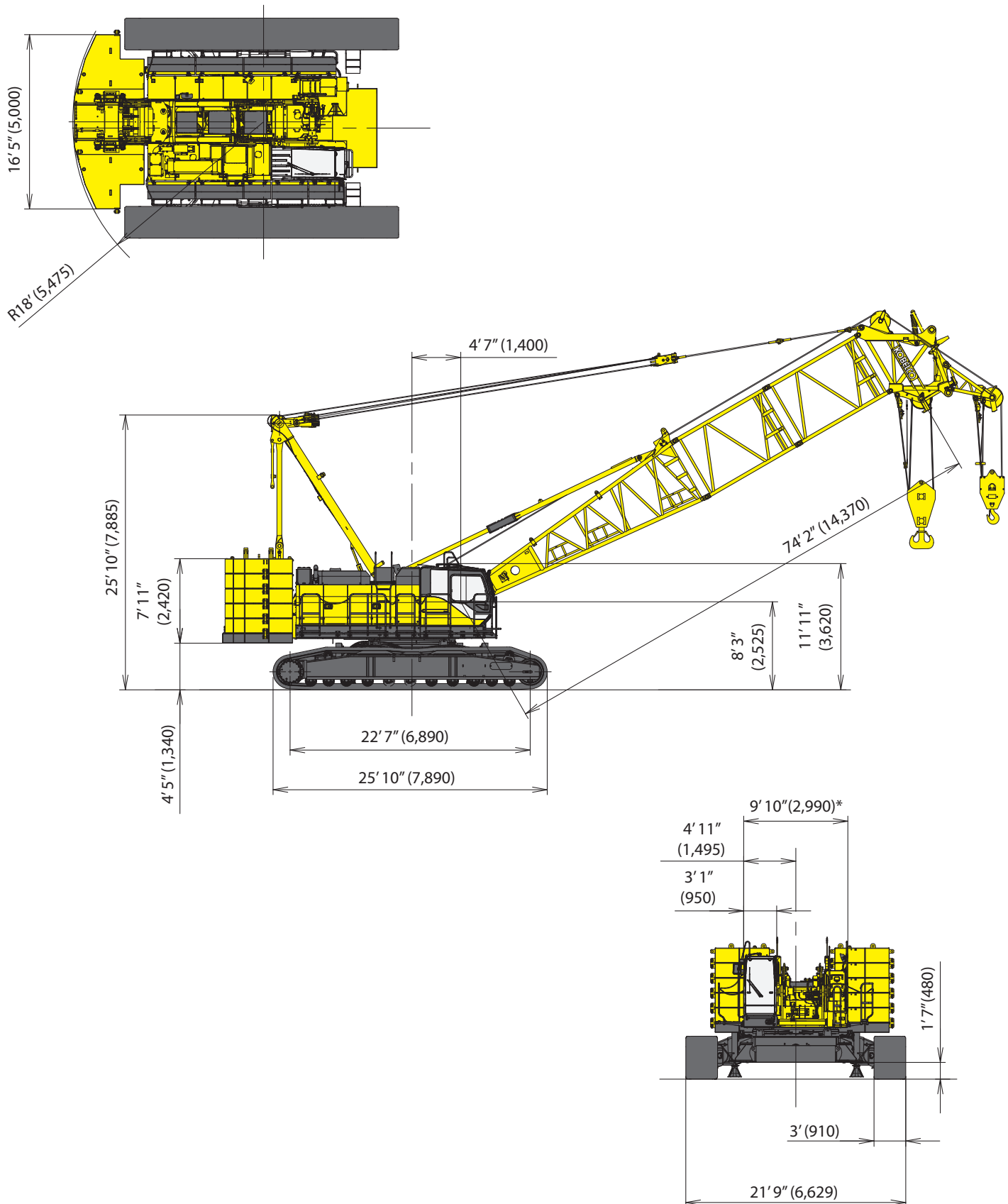
#### *Luffing jib hoist drum:*

|                   |                                                                                                                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Hoist drum</i> | (3rd drum on straight crane)<br>Powered by hydraulic motor through planetary reducer.                                                                                                       |
| <i>Drum</i>       | Single drum grooved for 26 mm dia. wire rope.                                                                                                                                               |
| <i>Brake</i>      | A spring set, hydraulically released multiple-disc brake is internally configured in the hoist motor and is operated through a counter-balance valve.<br>External ratchet for locking drum. |

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### General Dimensions - Luffing Boom

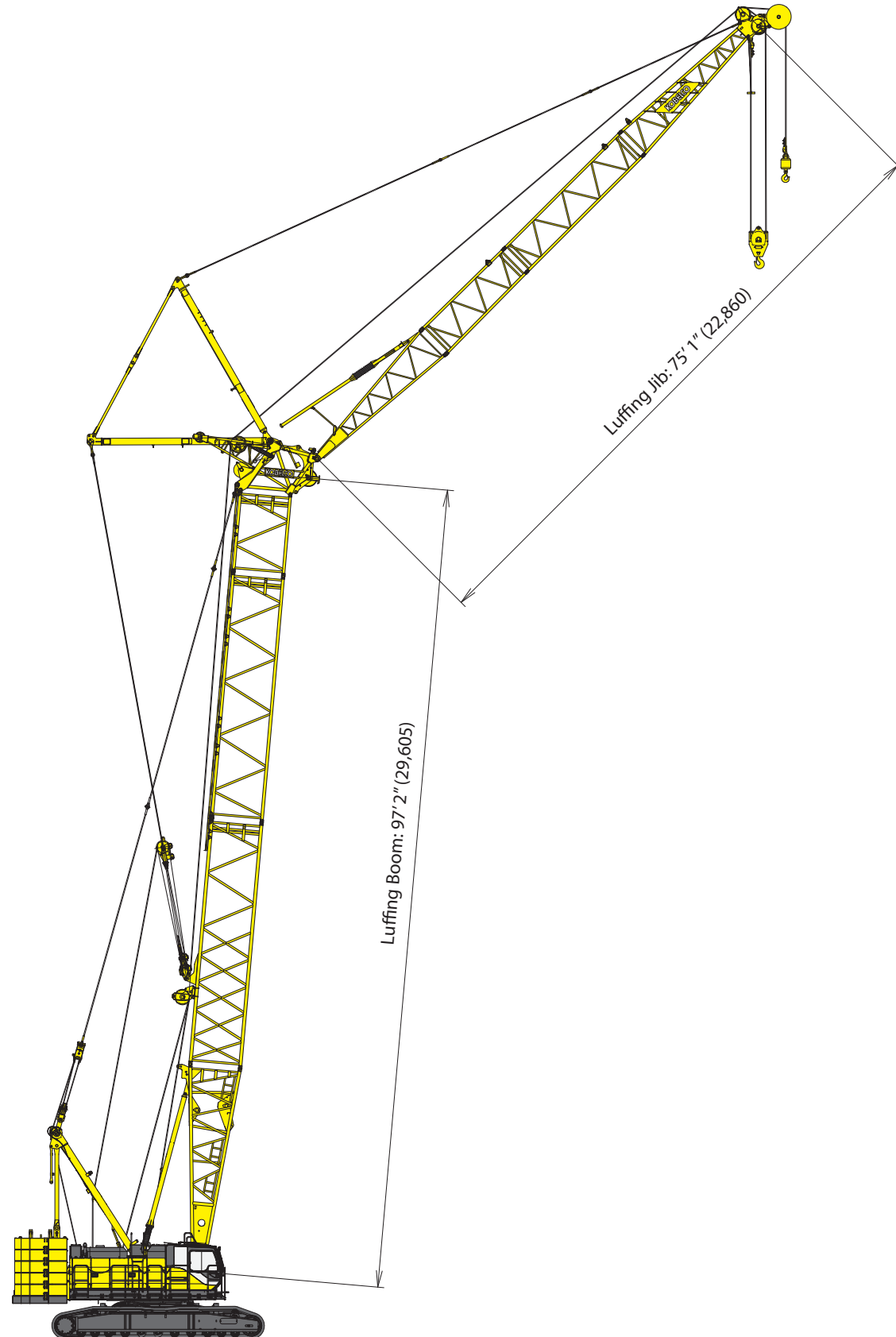


\* - 10' 5" wide with Catwalks on cab side only.  
11' wide with Catwalks on both sides.

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### General Dimensions - Luffing Jib



# CK1600G

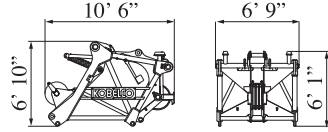
## Luffing Boom/Jib - SPECIFICATIONS

### Dimensions and Weight

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

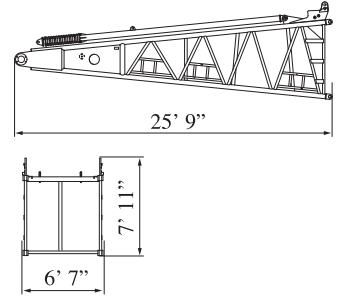
#### Upper Luffing Boom

Weight: 5,400 lbs (2,460 kg)



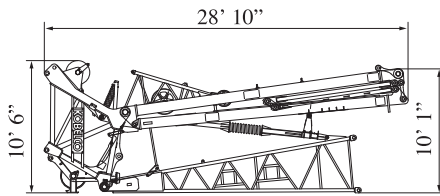
#### Luffing Boom Base (with backstop)

Weight: 9,500 lbs (4,320 kg)



#### Luffing Boom Tip Assembly

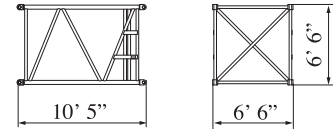
Weight: 12,500 lbs (5,682 kg)



#### 10 ft (3.0 m) Luffing Boom

Weight: 1,400 lbs (651 kg)

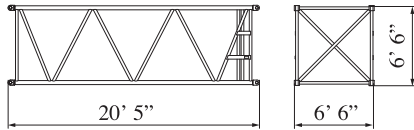
Includes cable roller and guy lines



#### 20 ft (6.1 m) Luffing Boom

Weight: 2,200 lbs (1,014 kg)

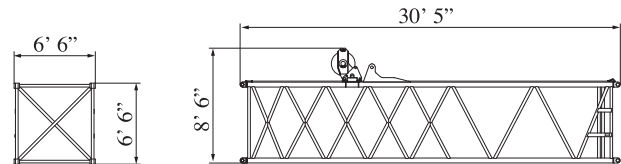
Includes cable roller and guy lines



#### 30 ft (6.1 m) Special Boom for Tower

Weight: 3,900 lbs (1,790 kg)

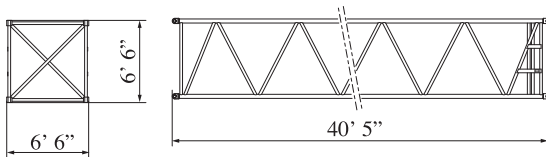
Includes guide sheave and steps



#### 40 ft (12.2 m) Luffing Boom

Weight: 3,800 lbs (1,728 kg)

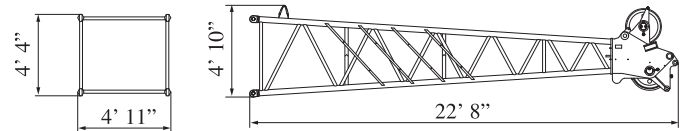
Includes cable roller and guy lines



#### Luffing Boom Tip

Weight: 2,500 lbs (1,154 kg)

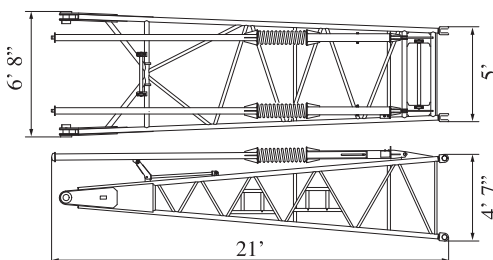
Includes cable roller



#### Luffing Base and Strut

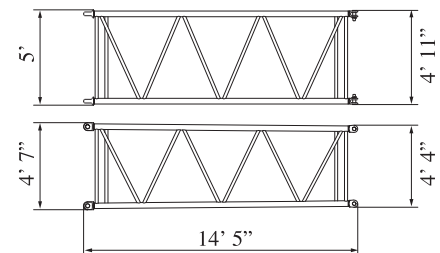
Weight: 7,700 lbs (3,475 kg)

Includes guy lines



#### 14' Luffing Taper Boom

Weight: 900 lbs (408 kg)



# CK1600G

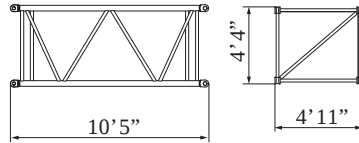
## Luffing Boom/Jib - SPECIFICATIONS

### Dimensions and Weight

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

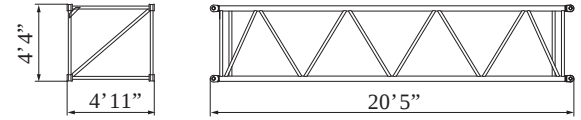
#### 10 ft (3.0 m) Luffing Jib

Weight: 830 lbs (375 kg)  
Includes cable roller and guy lines



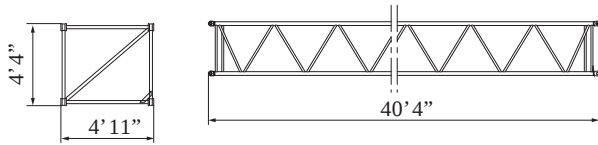
#### 20 ft (6.1 m) Luffing Jib

Weight: 1,400 lbs (615 kg)  
Includes cable roller and guy lines



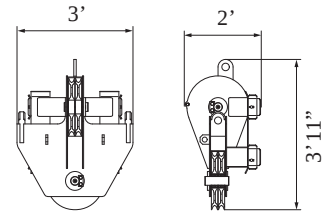
#### 40 ft (12.2 m) Luffing Jib

Weight: 2,400 lbs (1,099 kg)  
Includes cable roller and guy lines



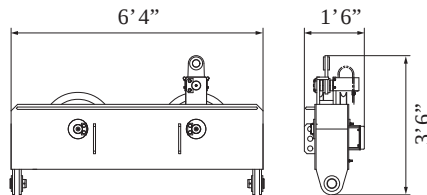
#### Luffing Jib Upper Spreader (front strut)

Weight: 570 lbs (258 kg)



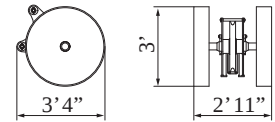
#### Luffing Jib Lower Spreader (rear strut)

Weight: 900 lbs (406 kg)



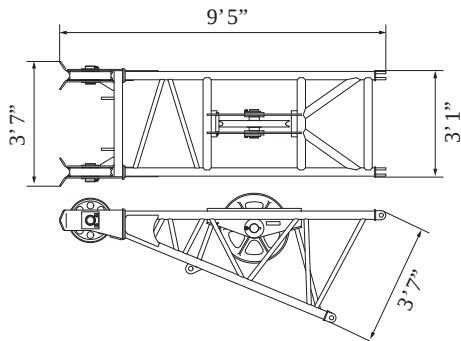
#### Luffing Jib Auxiliary Sheave

Weight: 840 lbs (381 kg)



#### Luffing Jib Rear Guide Roller

Weight: 930 lbs (423 kg)



# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Boom/Jib Arrangement

#### Luffing Boom Arrangement for Crane

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

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

| Symbol | Boom Length      | Remarks          |
|--------|------------------|------------------|
|        | 25.0 ft (7.6 m)  | Boom Base        |
|        | 2.0 ft (0.7 m)   | Luffing Boom Top |
|        | 10.0 ft (3.1 m)  | Insert Boom      |
|        | 20.0 ft (6.1 m)  | Insert Boom      |
|        | 40.0 ft (12.2 m) | Insert Boom      |
|        | 30.0 ft (9.1 m)  | Insert Boom      |

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

#### Luffing Boom Arrangement for Luffing

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

| Symbol | Boom Length      | Remarks                 |
|--------|------------------|-------------------------|
|        | 25.0 ft (7.6 m)  | Boom Base               |
|        | 2.0 ft (0.7 m)   | Luffing Boom Top        |
|        | 10.0 ft (3.1 m)  | Insert Boom             |
|        | 20.0 ft (6.1 m)  | Insert Boom             |
|        | 40.0 ft (12.2 m) | Insert Boom             |
|        | 30.0 ft (9.1 m)  | Insert Boom for Luffing |

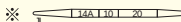
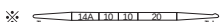
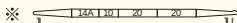
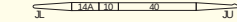
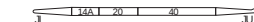
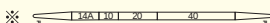
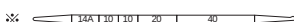
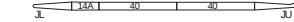
※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

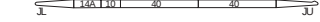
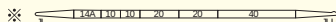
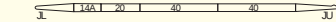
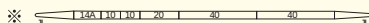
# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Boom/Jib Arrangement

#### Luffing Jib Arrangement

| Jib length ft (m) | Jib arrangement                                                                                                                                                                                                                                                |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 75 (22.9)         | ※                                                                                                                                                                             |
| 85 (25.9)         | ※                                                                                                                                                                             |
| 95 (29.0)         | ※ <br><br>  |
| 105 (32.0)        | ※ <br>                                                                                       |
| 115 (35.1)        | ※ <br>                                                                                       |
| 125 (38.1)        | ※                                                                                                                                                                             |
| 135 (41.1)        | ※ <br><br> |

| Jib length ft (m) | Jib arrangement                                                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 145 (44.2)        | ※ <br> |
| 155 (47.2)        | ※ <br> |
| 165 (50.3)        | ※                                                                                        |
| 175 (53.3)        | ※                                                                                        |

| Symbol                                                                            | Jib Length       | Remarks            |
|-----------------------------------------------------------------------------------|------------------|--------------------|
|  | 20.0 ft (6.1 m)  | Jib Base           |
|  | 14.0 ft (4.3 m)  | Tapered Insert Jib |
|  | 10.0 ft (3.1 m)  | Luffing Insert Jib |
|  | 20.0 ft (6.1 m)  | Luffing Insert Jib |
|  | 40.0 ft (12.2 m) | Luffing Insert Jib |
|  | 21.0 ft (6.4 m)  | Jib Top            |

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

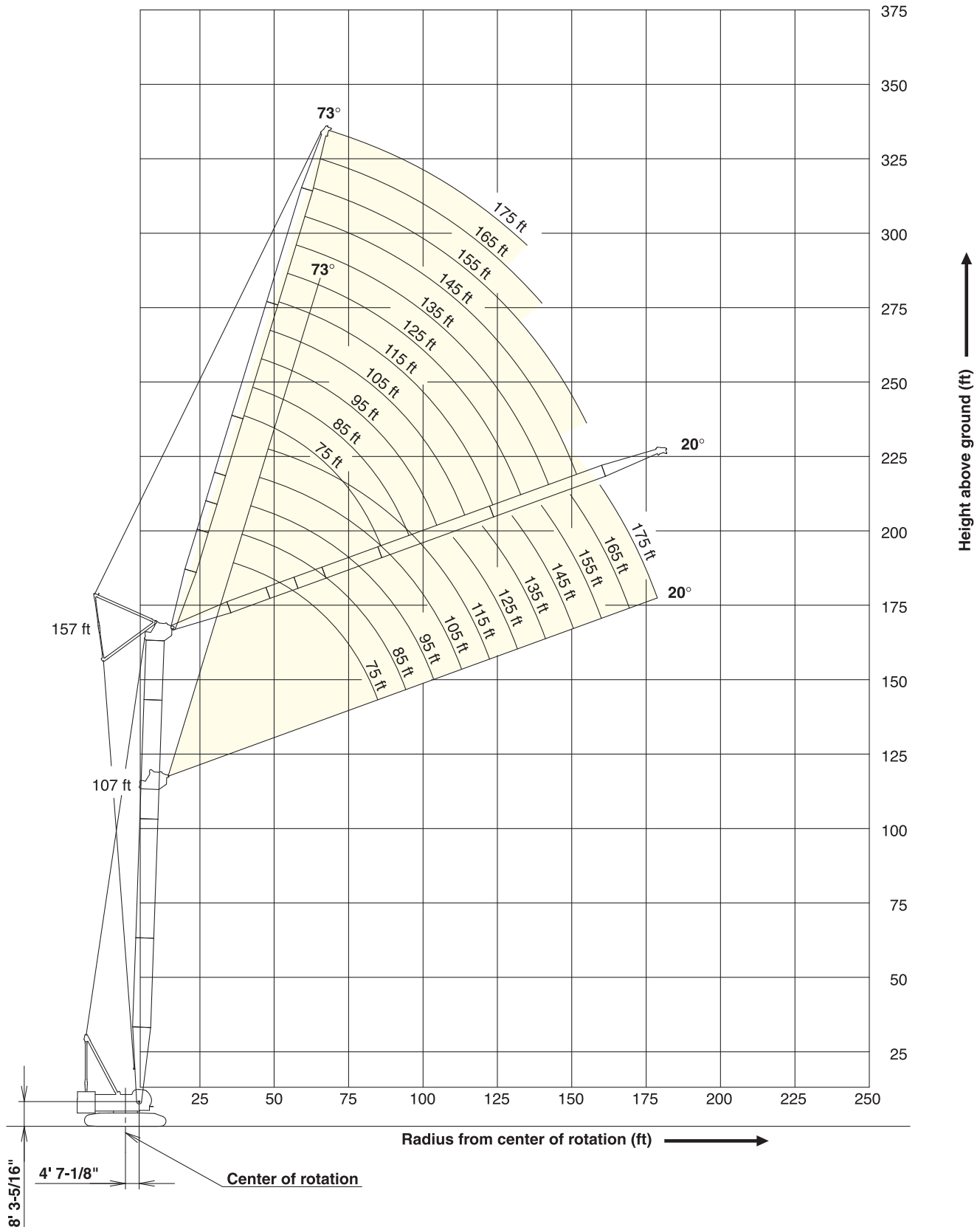
# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Working Ranges

Luffing Jib 88°

Unit : ft (m)



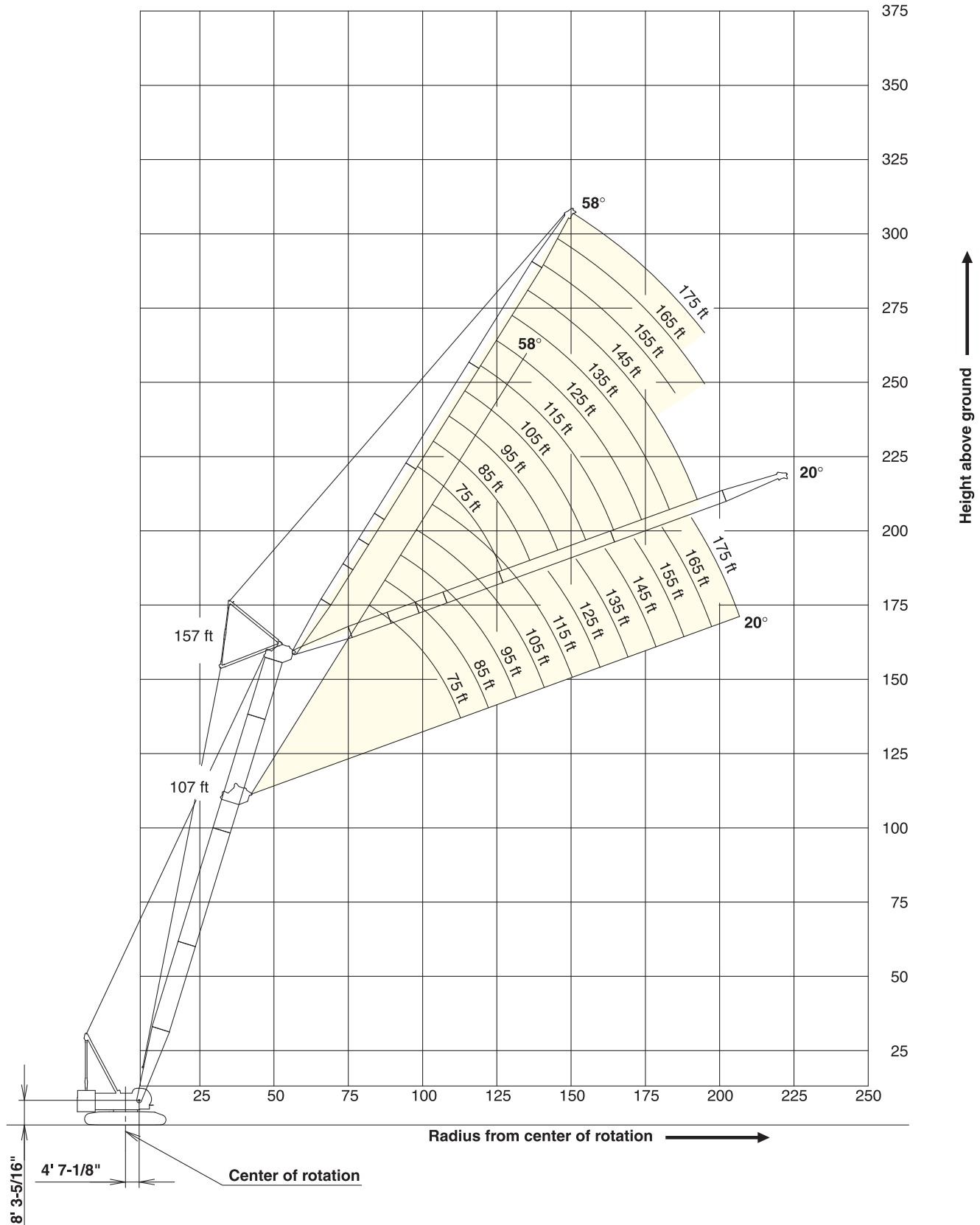
# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Working Ranges

Luffing Jib 73°

Unit : ft (m)



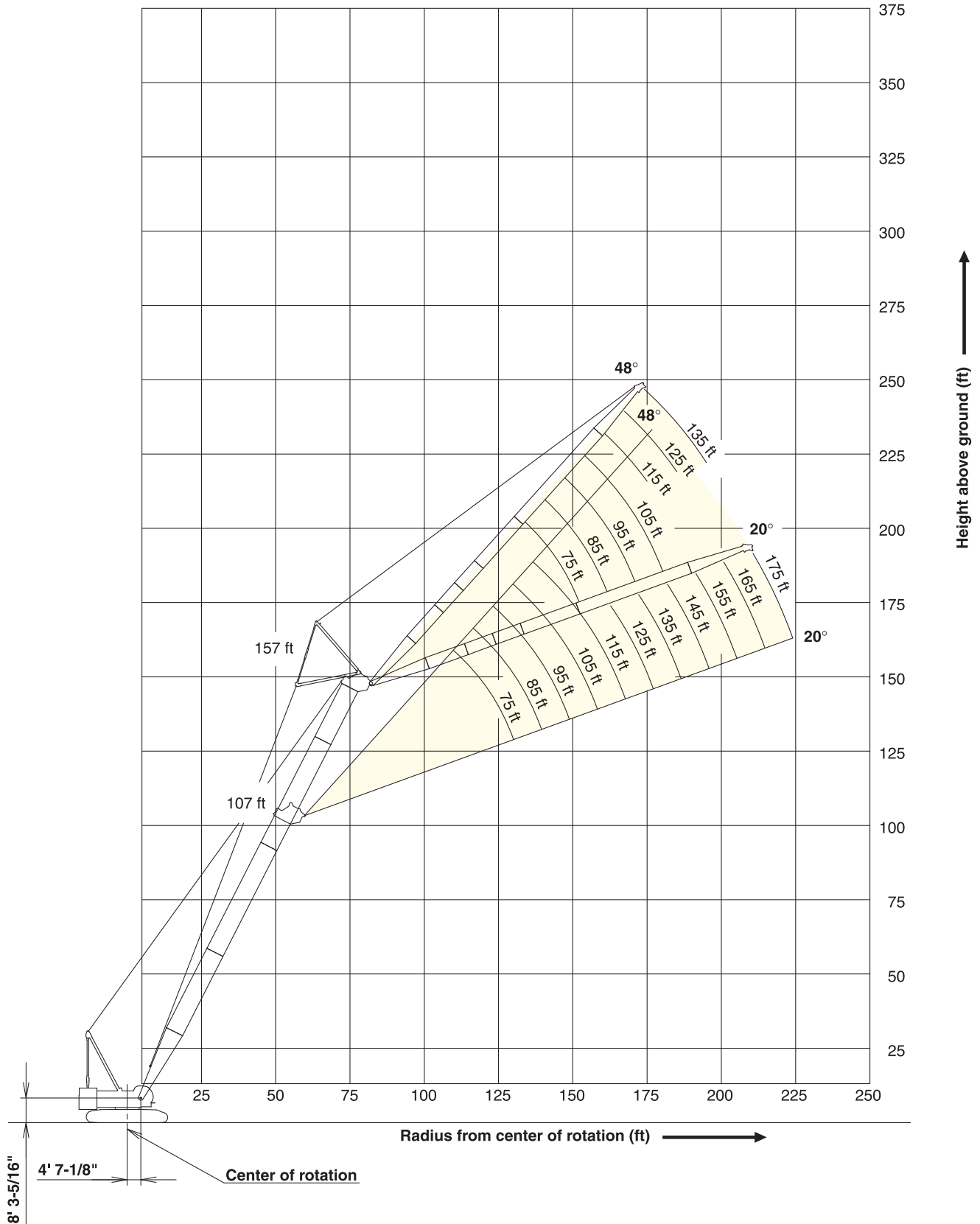
# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Working Ranges

Luffing Jib 63°

Unit : ft (m)



# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Supplemental Data - Luffing Boom

- Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
- Rated loads do not exceed 75% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk \* in the charts.
- The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
  - The crane must be leveled to within 1% on a firm supporting surface.
  - Boom backstops are required for all boom length.
  - Gantry must be fully raised position for all operations.
- Do not attempt to lift where no radius on load is listed as crane may tip or collapse.
- Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine rated loads.
- Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
- The total load that can be lifted by the auxiliary sheave is the value for 1,250 lbs deducted from rated load for the boom (without auxiliary sheave installed); however, the auxiliary sheave rated load should not exceed 59,000 lbs.
- Least stable position is over the side.

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

#### Maximum Load for Main Boom

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

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

#### Maximum Load Auxiliary Sheave

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

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

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Supplemental Data - Luffing 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 de-rate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
- Rated loads do not exceed 75% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk \* in the charts.
- The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
  - Boom backstops are required for all boom length.
  - Gantry must be fully raised position for all operations.
  - The crane must be leveled to within 1% on a firm supporting surface.
- Do not attempt to lift where no radius on load is listed as crane may tip or collapse.
- Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine rated loads.
- Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
- The total load that can be lifted over jib is limited by rated jib loads.
- The total load that can be lifted over an auxiliary sheave should not exceed 29,500 lbs.
- Luffing boom and jib combinations.

|                  |     | Jib Length (ft) |    |    |     |     |     |     |     |     |     |     |
|------------------|-----|-----------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
|                  |     | 75              | 85 | 95 | 105 | 115 | 125 | 135 | 145 | 155 | 165 | 175 |
| Boom Length (ft) | 107 | 0               | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
|                  | 117 | 0               | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
|                  | 127 | 0               | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
|                  | 137 | 0               | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
|                  | 147 | 0               | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
|                  | 157 | 0               | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |

0: Combinations which is allowed.

- The boom should be erected over the front of the crawlers, not laterally. When erecting and lowering for all boom and jib combinations, the blocks for erection must be placed at the end of the crawlers.
- Least stable position is over the side.
- The boom should be erected over the front of the crawlers, not laterally. The blocks for erection must

be placed at the end of the crawlers when erecting and lowering the boom.

- In the case of nine counterweight, the boom length are 127 ft or over.
- In the case of eleven counterweight and two carbody weights, the boom length are 147 ft or over.

#### 13. Maximum number of reeving parts of line for hoist rope

##### • Luffing Jib

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

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

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

#### 14. Maximum hoist load for number of reeving parts of line for hoist rope.

##### Main Hoist Loads

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

##### Jib Hoist Loads

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

##### Auxiliary Hoist Loads

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

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

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

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

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Boom Lift Capacities

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

| 47' Boom         |                   |                       | 57' Boom         |                   |                       | 67' Boom         |                   |                       | 77' Boom         |                   |                       |
|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) |
| 18.0             | 79.7              | 170,000 *             | 20.0             | 79.5              | 170,000 *             | 22.0             | 79.3              | 170,000 *             | 24.0             | 79.2              | 170,000 *             |
| 19.0             | 78.5              | 170,000 *             | 22.0             | 77.4              | 170,000 *             | 24.0             | 77.6              | 170,000 *             | 26.0             | 77.7              | 170,000 *             |
| 20.0             | 77.2              | 170,000 *             | 24.0             | 75.3              | 170,000 *             | 26.0             | 75.8              | 170,000 *             | 28.0             | 76.1              | 156,900 *             |
| 22.0             | 74.6              | 170,000 *             | 26.0             | 73.2              | 170,000 *             | 28.0             | 74.0              | 160,400 *             | 30.0             | 74.6              | 144,600 *             |
| 24.0             | 72.0              | 170,000 *             | 28.0             | 71.0              | 165,100 *             | 30.0             | 72.2              | 146,600               | 32.0             | 73.0              | 132,900               |
| 26.0             | 69.3              | 170,000 *             | 30.0             | 68.8              | 148,800               | 32.0             | 70.3              | 132,900               | 34.0             | 71.4              | 121,600               |
| 28.0             | 66.6              | 162,900 *             | 32.0             | 66.5              | 135,100               | 34.0             | 68.4              | 121,600               | 36.0             | 69.8              | 111,900               |
| 30.0             | 63.8              | 147,200               | 34.0             | 64.2              | 123,800               | 36.0             | 66.5              | 111,900               | 38.0             | 68.2              | 103,600               |
| 32.0             | 60.8              | 133,800               | 36.0             | 61.9              | 114,100               | 38.0             | 64.6              | 103,800               | 40.0             | 66.5              | 96,300                |
| 34.0             | 57.8              | 122,500               | 38.0             | 59.5              | 106,000               | 40.0             | 62.6              | 96,500                | 45.0             | 62.3              | 81,700                |
| 36.0             | 54.7              | 112,800               | 40.0             | 57.0              | 98,700                | 45.0             | 57.4              | 82,000                | 50.0             | 57.8              | 70,900                |
| 38.0             | 51.4              | 103,800 *             | 45.0             | 50.3              | 84,200                | 50.0             | 51.9              | 70,900                | 55.0             | 53.1              | 62,300                |
| 40.0             | 47.8              | 95,200 *              | 50.0             | 42.7              | 72,900 *              | 55.0             | 45.9              | 62,600                | 60.0             | 48.0              | 55,500                |
| 45.0             | 37.7              | 75,800 *              | 55.0             | 33.6              | 60,100 *              | 60.0             | 38.9              | 55,500 *              | 65.0             | 42.4              | 49,800                |
|                  |                   |                       |                  |                   |                       | 65.0             | 30.5              | 46,200 *              | 70.0             | 36.0              | 44,900 *              |
| Reeves           |                   |                       | 6                |                   |                       | Reeves           |                   |                       | 6                |                   |                       |
| 87' Boom         |                   |                       | 97' Boom         |                   |                       | 107' Boom        |                   |                       | 117' Boom        |                   |                       |
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) |
| 26.0             | 79.1              | 167,700 *             | 28.0             | 79.1              | 149,600 *             | 30.0             | 79.0              | 135,800 *             | 30.0             | 80.0              | 133,100 *             |
| 28.0             | 77.8              | 153,400 *             | 30.0             | 77.9              | 138,000 *             | 32.0             | 77.9              | 125,600 *             | 32.0             | 79.0              | 123,400 *             |
| 30.0             | 76.4              | 141,300 *             | 32.0             | 76.6              | 127,800 *             | 34.0             | 76.8              | 117,000 *             | 34.0             | 78.0              | 114,800 *             |
| 32.0             | 75.0              | 131,100 *             | 34.0             | 75.4              | 119,200 *             | 36.0             | 75.7              | 109,500 *             | 36.0             | 76.9              | 107,300 *             |
| 34.0             | 73.7              | 121,400               | 36.0             | 74.2              | 111,300               | 38.0             | 74.6              | 102,500               | 38.0             | 75.9              | 100,900 *             |
| 36.0             | 72.3              | 111,700               | 38.0             | 72.9              | 102,900               | 40.0             | 73.4              | 95,200                | 40.0             | 74.9              | 95,000 *              |
| 38.0             | 70.8              | 103,300               | 40.0             | 71.6              | 95,600                | 45.0             | 70.6              | 80,600                | 45.0             | 72.3              | 80,400                |
| 40.0             | 69.4              | 96,300                | 45.0             | 68.5              | 81,100                | 50.0             | 67.7              | 69,600                | 50.0             | 69.7              | 69,400                |
| 45.0             | 65.8              | 81,700                | 50.0             | 65.2              | 70,100                | 55.0             | 64.7              | 61,000                | 55.0             | 67.0              | 60,800                |
| 50.0             | 62.0              | 70,700                | 55.0             | 61.8              | 61,500                | 60.0             | 61.6              | 54,200                | 60.0             | 64.3              | 54,000                |
| 55.0             | 58.1              | 62,100                | 60.0             | 58.3              | 54,600                | 65.0             | 58.4              | 48,500                | 65.0             | 61.5              | 48,200                |
| 60.0             | 53.9              | 55,300                | 65.0             | 54.6              | 48,900                | 70.0             | 55.1              | 43,800                | 70.0             | 58.6              | 43,600                |
| 65.0             | 49.5              | 49,600                | 70.0             | 50.7              | 44,300                | 75.0             | 51.7              | 39,600                | 75.0             | 55.6              | 39,400                |
| 70.0             | 44.8              | 44,900                | 75.0             | 46.6              | 40,300                | 80.0             | 48.0              | 36,300                | 80.0             | 52.5              | 36,100                |
| 75.0             | 39.6              | 41,000                | 80.0             | 42.2              | 36,800                | 85.0             | 44.2              | 33,200                | 85.0             | 49.2              | 33,000                |
| 80.0             | 33.6              | 37,200 *              | 85.0             | 37.2              | 33,900                | 90.0             | 39.9              | 30,800                | 90.0             | 45.7              | 30,600                |
|                  |                   |                       | 90.0             | 31.6              | 30,600 *              | 95.0             | 35.3              | 28,400                | 95.0             | 42.0              | 28,200                |
|                  |                   |                       |                  |                   |                       |                  |                   |                       | 100.0            | 38.0              | 26,200                |
|                  |                   |                       |                  |                   |                       |                  |                   |                       | 105.0            | 33.6              | 24,400 *              |
| Reeves           |                   |                       | 6                |                   |                       | Reeves           |                   |                       | 5                |                   |                       |

Refer to notes on page 49- 50.

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Boom Lift Capacities

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

| 127' Boom        |                   |                       | 137' Boom        |                   |                       | 147' Boom        |                   |                       | 157' Boom        |                   |                       |
|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) |
| 32.0             | 79.9              | 120,800 *             | 34.0             | 79.7              | 110,600 *             | 36.0             | 79.7              | 102,500 *             | 38.0             | 79.6              | 94,700 *              |
| <b>34.0</b>      | <b>78.9</b>       | <b>112,400 *</b>      | <b>36.0</b>      | <b>78.9</b>       | <b>103,300 *</b>      | <b>38.0</b>      | <b>78.9</b>       | <b>96,100 *</b>       | <b>40.0</b>      | <b>78.8</b>       | <b>89,000 *</b>       |
| 36.0             | 78.0              | 105,100 *             | 38.0             | 78.0              | 97,000 *              | 40.0             | 78.1              | 90,300 *              | 45.0             | 77.0              | 77,300 *              |
| <b>38.0</b>      | <b>77.1</b>       | <b>98,700 *</b>       | <b>40.0</b>      | <b>77.2</b>       | <b>91,200 *</b>       | <b>45.0</b>      | <b>76.0</b>       | <b>78,700 *</b>       | <b>50.0</b>      | <b>75.1</b>       | <b>68,300 *</b>       |
| 40.0             | 76.1              | 93,000 *              | 45.0             | 75.0              | 79,500 *              | 50.0             | 74.0              | 68,700                | 55.0             | 73.2              | 59,700                |
| <b>45.0</b>      | <b>73.8</b>       | <b>80,000</b>         | <b>50.0</b>      | <b>72.8</b>       | <b>68,700</b>         | <b>55.0</b>      | <b>72.0</b>       | <b>60,100</b>         | <b>60.0</b>      | <b>71.2</b>       | <b>52,900</b>         |
| 50.0             | 71.4              | 69,000                | 55.0             | 70.6              | 60,100                | 60.0             | 69.9              | 53,100                | 65.0             | 69.3              | 47,100                |
| <b>55.0</b>      | <b>69.0</b>       | <b>60,400</b>         | <b>60.0</b>      | <b>68.3</b>       | <b>53,100</b>         | <b>65.0</b>      | <b>67.8</b>       | <b>47,300</b>         | <b>70.0</b>      | <b>67.3</b>       | <b>42,300</b>         |
| 60.0             | 66.5              | 53,300                | 65.0             | 66.0              | 47,600                | 70.0             | 65.6              | 42,700                | 75.0             | 65.2              | 38,300                |
| <b>65.0</b>      | <b>63.9</b>       | <b>47,800</b>         | <b>70.0</b>      | <b>63.7</b>       | <b>42,700</b>         | <b>75.0</b>      | <b>63.4</b>       | <b>38,500</b>         | <b>80.0</b>      | <b>63.2</b>       | <b>34,800</b>         |
| 70.0             | 61.4              | 42,900                | 75.0             | 61.3              | 38,800                | 80.0             | 61.2              | 35,200                | 85.0             | 61.1              | 31,900                |
| <b>75.0</b>      | <b>58.7</b>       | <b>39,000</b>         | <b>80.0</b>      | <b>58.8</b>       | <b>35,200</b>         | <b>85.0</b>      | <b>58.9</b>       | <b>32,100</b>         | <b>90.0</b>      | <b>58.9</b>       | <b>29,300</b>         |
| 80.0             | 55.9              | 35,400                | 85.0             | 56.3              | 32,400                | 90.0             | 56.5              | 29,500                | 95.0             | 56.8              | 26,800                |
| <b>85.0</b>      | <b>53.1</b>       | <b>32,600</b>         | <b>90.0</b>      | <b>53.6</b>       | <b>29,700</b>         | <b>95.0</b>      | <b>54.1</b>       | <b>27,300</b>         | <b>100.0</b>     | <b>54.5</b>       | <b>24,900</b>         |
| 90.0             | 50.1              | 29,900                | 95.0             | 50.9              | 27,300                | 100.0            | 51.6              | 25,100                | 105.0            | 52.2              | 23,100                |
| <b>95.0</b>      | <b>47.0</b>       | <b>27,500</b>         | <b>100.0</b>     | <b>48.1</b>       | <b>25,300</b>         | <b>105.0</b>     | <b>49.0</b>       | <b>23,300</b>         | <b>110.0</b>     | <b>49.8</b>       | <b>21,300</b>         |
| 100.0            | 43.7              | 25,500                | 105.0            | 45.1              | 23,500                | 110.0            | 46.3              | 21,600                | 115.0            | 47.2              | 19,800                |
| <b>105.0</b>     | <b>40.2</b>       | <b>23,800</b>         | <b>110.0</b>     | <b>41.9</b>       | <b>21,800</b>         | <b>115.0</b>     | <b>43.4</b>       | <b>20,200</b>         | <b>120.0</b>     | <b>44.6</b>       | <b>18,500</b>         |
| 110.0            | 36.4              | 22,000                | 115.0            | 38.6              | 20,500                | 120.0            | 40.4              | 18,900                | 125.0            | 41.9              | 17,400                |
| <b>115.0</b>     | <b>32.1</b>       | <b>20,200 *</b>       | <b>120.0</b>     | <b>34.9</b>       | <b>18,900</b>         | <b>125.0</b>     | <b>37.1</b>       | <b>17,600</b>         | <b>130.0</b>     | <b>38.9</b>       | <b>16,000</b>         |
|                  |                   |                       | 125.0            | 30.8              | 16,900 *              | 130.0            | 33.6              | 16,000 *              | 135.0            | 35.8              | 15,200 *              |
|                  |                   |                       |                  |                   |                       |                  |                   |                       | <b>140.0</b>     | <b>32.4</b>       | <b>13,400 *</b>       |
| Reeves           |                   | 5                     | Reeves           |                   | 4                     | Reeves           |                   | 4                     | Reeves           |                   | 4                     |

Refer to notes on page 49-50.

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Boom with Luffing Jib Lift Capacities

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

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

Refer to notes on page 49-50.

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Boom with Luffing Jib Lift Capacities

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

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

Refer to notes on page 49-50.

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Jib Lift Capacities

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

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

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

Refer to notes on page 49- 50.

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Jib Lift Capacities

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

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

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

Refer to notes on page 49- 50.

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Jib Lift Capacities

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

| 117' Boom           |                   |         |        |        |        |        |                   |         |        |        |        |        |                   |         |        |        |        |        |                     |
|---------------------|-------------------|---------|--------|--------|--------|--------|-------------------|---------|--------|--------|--------|--------|-------------------|---------|--------|--------|--------|--------|---------------------|
| Load Radius<br>(ft) | 75 ft Jib         |         |        |        |        |        | 85 ft Jib         |         |        |        |        |        | 95 ft Jib         |         |        |        |        |        | Load Radius<br>(ft) |
|                     | Boom Angle (deg.) |         |        |        |        |        | Boom Angle (deg.) |         |        |        |        |        | Boom Angle (deg.) |         |        |        |        |        |                     |
|                     | 88                | 83      | 78     | 73     | 68     | 63     | 88                | 83      | 78     | 73     | 68     | 63     | 88                | 83      | 78     | 73     | 68     | 63     |                     |
| 40                  | 78,000*           |         |        |        |        |        |                   |         |        |        |        |        |                   |         |        |        |        |        | 40                  |
| 45                  | 71,000*           |         |        |        |        |        |                   |         |        |        |        |        |                   |         |        |        |        |        | 45                  |
| 50                  | 64,000*           |         |        |        |        |        | 64,500*           |         |        |        |        |        | 64,000*           |         |        |        |        |        | 50                  |
| 55                  | 58,000*           |         |        |        |        |        | 59,000*           |         |        |        |        |        | 58,300*           |         |        |        |        |        | 55                  |
| 60                  | 52,600*           | 56,600  |        |        |        |        | 53,300*           | 56,200  |        |        |        |        | 53,200*           |         |        |        |        |        | 60                  |
| 65                  | 45,800*           | 51,100  |        |        |        |        | 46,500*           | 51,000  |        |        |        |        | 46,900*           | 50,300  |        |        |        |        | 65                  |
| 70                  | 40,100*           | 46,500  |        |        |        |        | 41,000*           | 46,400  |        |        |        |        | 41,400*           | 46,000  |        |        |        |        | 70                  |
| 75                  | 35,200*           | 42,500  | 40,000 |        |        |        | 36,300*           | 42,500  |        |        |        |        | 36,800*           | 42,100  |        |        |        |        | 75                  |
| 80                  |                   | 39,200  | 36,800 |        |        |        | 32,400*           | 39,100  | 36,400 |        |        |        | 32,800*           | 38,800  |        |        |        |        | 80                  |
| 85                  |                   | 36,200  | 34,100 |        |        |        | 28,800*           | 36,200  | 33,700 |        |        |        | 29,500*           | 35,900  | 33,200 |        |        |        | 85                  |
| 90                  |                   | 31,900* | 31,700 |        |        |        | 24,900*           | 33,600  | 31,300 |        |        |        | 26,400*           | 33,200  | 30,900 |        |        |        | 90                  |
| 95                  |                   |         | 29,500 | 27,600 |        |        |                   | 30,400* | 29,200 | 26,600 |        |        | 23,800*           | 31,000  | 28,800 |        |        |        | 95                  |
| 100                 |                   |         | 27,600 | 25,900 |        |        |                   | 27,100* | 27,300 | 25,400 |        |        |                   | 28,100* | 27,000 | 24,400 |        |        | 100                 |
| 105                 |                   |         | 25,900 | 24,200 |        |        |                   | 22,400* | 25,600 | 23,900 |        |        |                   | 25,300* | 25,300 | 23,400 |        |        | 105                 |
| 110                 |                   |         |        | 22,800 |        |        |                   |         |        | 22,400 |        |        |                   | 22,700* | 23,800 | 22,100 |        |        | 110                 |
| 115                 |                   |         |        |        | 21,000 |        |                   |         |        | 21,100 | 19,200 |        |                   |         | 23,800 | 20,800 | 18,500 |        | 115                 |
| 120                 |                   |         |        |        | 19,800 |        |                   |         |        | 19,900 | 18,200 |        |                   |         | 21,100 | 19,600 | 17,900 |        | 120                 |
| 125                 |                   |         |        |        | 18,700 | 17,100 |                   |         |        |        | 17,300 |        |                   |         | 19,900 | 18,600 | 16,900 |        | 125                 |
| 130                 |                   |         |        |        |        | 15,300 |                   |         |        |        | 16,400 |        |                   |         |        | 17,500 | 16,000 | 13,900 | 130                 |
| 135                 |                   |         |        |        |        |        |                   |         |        |        |        | 15,300 |                   |         |        |        | 15,200 | 13,700 | 135                 |
| 140                 |                   |         |        |        |        |        |                   |         |        |        |        | 14,900 |                   |         |        |        | 14,400 | 13,000 | 140                 |
| 145                 |                   |         |        |        |        |        |                   |         |        |        |        | 14,100 |                   |         |        |        | 13,600 | 12,200 | 145                 |
| 150                 |                   |         |        |        |        |        |                   |         |        |        |        | 13,400 |                   |         |        |        |        | 11,500 | 150                 |
| 155                 |                   |         |        |        |        |        |                   |         |        |        |        | 12,600 |                   |         |        |        |        |        | 155                 |
| 160                 |                   |         |        |        |        |        |                   |         |        |        |        |        |                   |         |        |        |        |        | 160                 |
| 165                 |                   |         |        |        |        |        |                   |         |        |        |        |        |                   |         |        |        |        |        | 165                 |
| 170                 |                   |         |        |        |        |        |                   |         |        |        |        |        |                   |         |        |        |        |        | 170                 |
| 175                 |                   |         |        |        |        |        |                   |         |        |        |        |        |                   |         |        |        |        |        | 175                 |
| 180                 |                   |         |        |        |        |        |                   |         |        |        |        |        |                   |         |        |        |        |        | 180                 |
| 185                 |                   |         |        |        |        |        |                   |         |        |        |        |        |                   |         |        |        |        |        | 185                 |
| 190                 |                   |         |        |        |        |        |                   |         |        |        |        |        |                   |         |        |        |        |        | 190                 |
| 195                 |                   |         |        |        |        |        |                   |         |        |        |        |        |                   |         |        |        |        |        | 195                 |
| 200                 |                   |         |        |        |        |        |                   |         |        |        |        |        |                   |         |        |        |        |        | 200                 |
| 205                 |                   |         |        |        |        |        |                   |         |        |        |        |        |                   |         |        |        |        |        | 205                 |
| 210                 |                   |         |        |        |        |        |                   |         |        |        |        |        |                   |         |        |        |        |        | 210                 |
| 215                 |                   |         |        |        |        |        |                   |         |        |        |        |        |                   |         |        |        |        |        | 215                 |
| 220                 |                   |         |        |        |        |        |                   |         |        |        |        |        |                   |         |        |        |        |        | 220                 |
| Reeves              | 4                 |         |        |        |        |        | 4                 |         |        |        |        |        | 4                 |         |        |        |        |        | Reeves              |

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

Refer to notes on page 49- 50.

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Jib Lift Capacities

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

| 117' Boom        |                   |         |         |        |        |       |                   |         |         |        |        |       |                   |         |         |        |        |       |                  |
|------------------|-------------------|---------|---------|--------|--------|-------|-------------------|---------|---------|--------|--------|-------|-------------------|---------|---------|--------|--------|-------|------------------|
| Load Radius (ft) | 135 ft Jib        |         |         |        |        |       | 145 ft Jib        |         |         |        |        |       | 155 ft Jib        |         |         |        |        |       | Load Radius (ft) |
|                  | Boom Angle (deg.) |         |         |        |        |       | Boom Angle (deg.) |         |         |        |        |       | Boom Angle (deg.) |         |         |        |        |       |                  |
|                  | 88                | 83      | 78      | 73     | 68     | 63    | 88                | 83      | 78      | 73     | 68     | 63    | 88                | 83      | 78      | 73     | 68     | 63    |                  |
| 40               |                   |         |         |        |        |       |                   |         |         |        |        |       |                   |         |         |        |        |       | 40               |
| 45               |                   |         |         |        |        |       |                   |         |         |        |        |       |                   |         |         |        |        |       | 45               |
| 50               |                   |         |         |        |        |       |                   |         |         |        |        |       |                   |         |         |        |        |       | 50               |
| 55               |                   |         |         |        |        |       |                   |         |         |        |        |       |                   |         |         |        |        |       | 55               |
| 60               | 43,500*           |         |         |        |        |       | 39,400*           |         |         |        |        |       |                   |         |         |        |        |       | 60               |
| 65               | 42,000*           |         |         |        |        |       | 38,000*           |         |         |        |        |       |                   |         |         |        |        |       | 65               |
| 70               | 40,200*           |         |         |        |        |       | 36,300*           |         |         |        |        |       | 34,000*           |         |         |        |        |       | 70               |
| 75               | 37,400*           |         |         |        |        |       | 35,000*           |         |         |        |        |       | 32,800*           |         |         |        |        |       | 75               |
| 80               | 33,500*           | 37,200  |         |        |        |       | 33,000*           |         |         |        |        |       | 31,500*           |         |         |        |        |       | 80               |
| 85               | 30,400*           | 34,700  |         |        |        |       | 30,800*           | 34,100  |         |        |        |       | 30,400*           | 32,800  |         |        |        |       | 85               |
| 90               | 27,500*           | 32,100  |         |        |        |       | 27,900*           | 31,900  |         |        |        |       | 27,700*           | 30,800  |         |        |        |       | 90               |
| 95               | 24,900*           | 29,900  |         |        |        |       | 25,500*           | 29,700  |         |        |        |       | 25,300*           | 29,100  |         |        |        |       | 95               |
| 100              | 22,700*           | 27,800* | 25,400  |        |        |       | 23,300*           | 27,600* |         |        |        |       | 23,100*           | 27,200* |         |        |        |       | 100              |
| 105              | 20,700*           | 25,700* | 24,400  |        |        |       | 21,300*           | 25,500* | 23,400  |        |        |       | 21,100*           | 25,100* |         |        |        |       | 105              |
| 110              | 18,900*           | 23,800* | 22,900  |        |        |       | 19,600*           | 23,500* | 22,700  |        |        |       | 19,400*           | 23,300* |         |        |        |       | 110              |
| 115              | 17,400*           | 21,800* | 21,600  |        |        |       | 18,000*           | 21,800* | 21,300  |        |        |       | 17,800*           | 21,300* | 20,600  |        |        |       | 115              |
| 120              | 15,800*           | 20,000* | 20,300  | 17,800 |        |       | 16,500*           | 20,000* | 20,100  |        |        |       | 16,300*           | 19,600* | 19,700  |        |        |       | 120              |
| 125              | 14,500*           | 18,200* | 19,200  | 17,400 |        |       | 15,200*           | 18,200* | 19,000  | 16,500 |        |       | 14,900*           | 18,000* | 18,600  |        |        |       | 125              |
| 130              | 13,400*           | 16,900* | 18,100  | 16,500 |        |       | 13,800*           | 16,900* | 17,900  | 16,200 |        |       | 13,800*           | 16,700* | 17,600  |        |        |       | 130              |
| 135              | 12,100*           | 15,600* | 17,300  | 15,600 |        |       | 12,700*           | 15,600* | 17,000  | 15,400 |        |       | 12,700*           | 15,400* | 16,700  | 14,900 |        |       | 135              |
| 140              |                   | 14,300* | 16,400  | 14,800 | 12,500 |       | 11,600*           | 14,300* | 16,200  | 14,500 |        |       | 11,600*           | 14,100* | 15,800  | 14,200 |        |       | 140              |
| 145              |                   | 13,000* | 15,600  | 14,100 | 12,500 |       | 10,500*           | 13,200* | 15,300  | 13,700 | 11,400 |       | 10,800*           | 13,000* | 14,900  | 13,400 |        |       | 145              |
| 150              |                   | 11,900* | 14,800  | 13,300 | 11,900 |       |                   | 12,100* | 14,600  | 13,100 | 11,400 |       | 9,700*            | 12,100* | 14,300  | 12,700 | 10,200 |       | 150              |
| 155              |                   |         | 14,100  | 12,600 | 11,200 |       |                   | 11,000* | 13,800  | 12,400 | 10,900 |       | 8,500*            | 11,000* | 13,500  | 12,100 | 10,200 |       | 155              |
| 160              |                   |         | 13,000* | 12,100 | 10,500 | 8,300 |                   | 9,900*  | 13,200  | 11,900 | 10,300 |       |                   | 10,100* | 12,800  | 11,400 | 9,800  |       | 160              |
| 165              |                   |         | 11,600* | 11,500 | 10,000 | 8,300 |                   |         | 12,100* | 11,300 | 9,800  | 7,400 |                   | 9,200*  | 12,200  | 10,900 | 9,200  |       | 165              |
| 170              |                   |         |         | 11,000 |        | 8,000 |                   |         | 11,000* | 10,800 | 9,200  | 7,400 |                   | 8,100*  | 11,200* | 10,300 | 8,800  | 6,500 | 170              |
| 175              |                   |         |         |        | 9,500  | 8,000 |                   |         |         | 10,200 | 8,700  | 7,300 |                   |         | 10,100* | 9,800  | 8,200  | 6,500 | 175              |
| 180              |                   |         |         |        | 8,500  | 7,200 |                   |         |         | 9,700  | 8,200  | 6,900 |                   |         | 9,200*  | 9,200  | 7,800  | 6,500 | 180              |
| 185              |                   |         |         |        |        | 6,800 |                   |         |         | 9,100  | 7,800  | 6,500 |                   |         |         | 8,800  | 7,300  | 6,000 | 185              |
| 190              |                   |         |         |        |        |       |                   |         |         |        | 7,300  | 6,100 |                   |         |         |        | 7,000  | 5,700 | 190              |
| 195              |                   |         |         |        |        |       |                   |         |         |        |        | 5,800 |                   |         |         |        | 6,600  | 5,200 | 195              |
| 200              |                   |         |         |        |        |       |                   |         |         |        |        | 5,400 |                   |         |         |        | 6,200  | 4,900 | 200              |
| 205              |                   |         |         |        |        |       |                   |         |         |        |        |       |                   |         |         |        |        | 4,700 | 205              |
| 210              |                   |         |         |        |        |       |                   |         |         |        |        |       |                   |         |         |        |        |       | 210              |
| 215              |                   |         |         |        |        |       |                   |         |         |        |        |       |                   |         |         |        |        |       | 215              |
| 220              |                   |         |         |        |        |       |                   |         |         |        |        |       |                   |         |         |        |        |       | 220              |
| Reeves           | 3                 |         |         |        |        |       | 3                 |         |         |        |        |       | 3                 |         |         |        |        |       | Reeves           |

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

Refer to notes on page 49-50.

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Jib Lift Capacities

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

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

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

Refer to notes on page 49- 50.

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Jib Lift Capacities

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

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

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

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# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Jib Lift Capacities

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

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

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

Refer to notes on page 49- 50.

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Jib Lift Capacities

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

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

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

Refer to notes on page 49- 50.

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Jib Lift Capacities

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

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

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

Refer to notes on page 49- 50.

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Jib Lift Capacities

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

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

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

Refer to notes on page 49- 50.

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Jib Lift Capacities

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

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

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

Refer to notes on page 49- 50.

# CK1600G

## Luffing Boom/Jib - SPECIFICATIONS

### Luffing Jib Lift Capacities

11 Counterweights (121,300 lbs) - 2 Carbody weights (23,800 lbs)

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

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

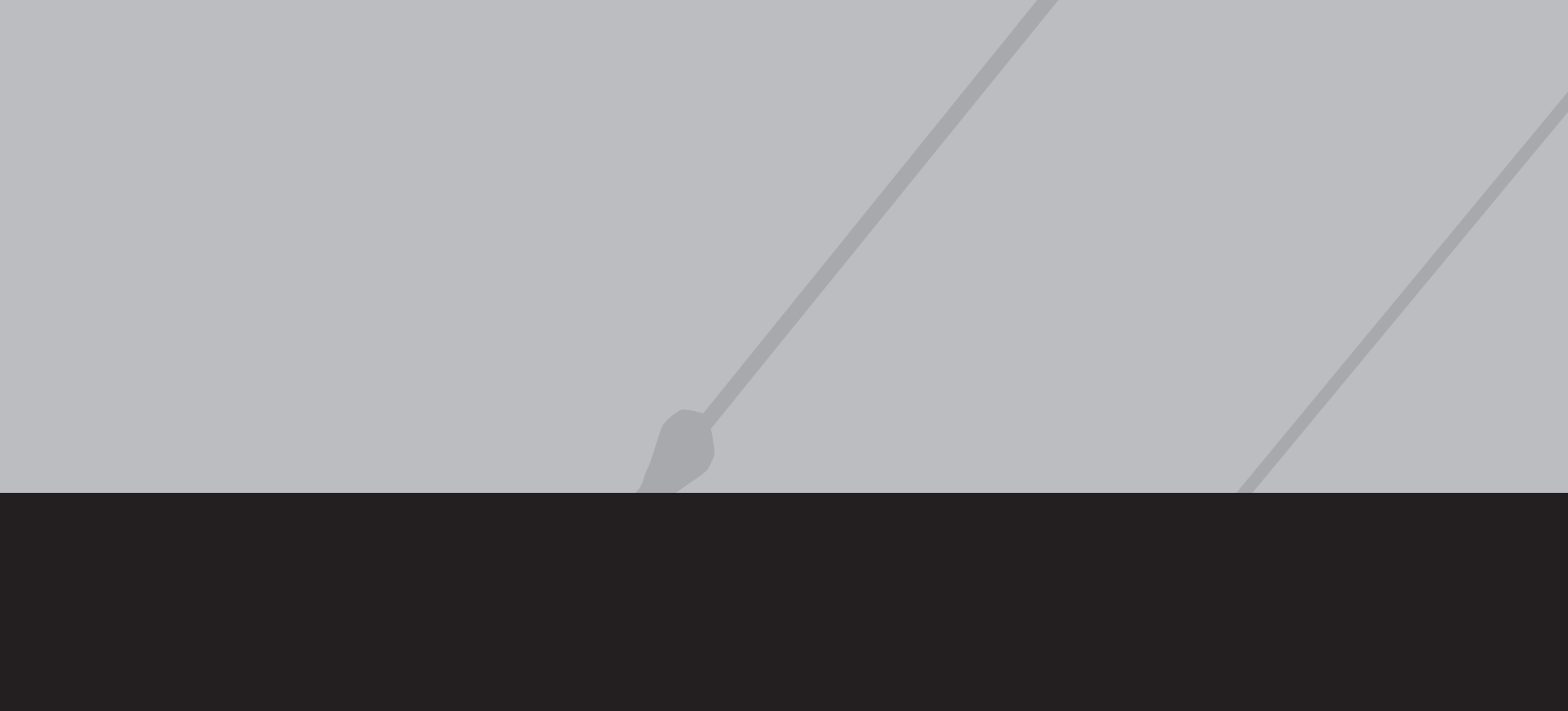
Refer to notes on page 49- 50.

## NOTES

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## NOTES

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## **KOBELCO CRANES CO., LTD.**

17-1, Higashigotanda 2-chome, Shinagawa-ku, Tokyo 141-8626 JAPAN  
Tel: +81-3-5789-2130 Fax: +81-3-5789-3372  
URL: <http://www.kobelco-cranes.com/>

Inquiries To:

## **KOBELCO CRANES NORTH AMERICA, INC.**

10845 Train Court, Houston, Texas 77041, USA  
Tel: +1-713-856-5755 Fax: +1-713-856-9072  
URL: <http://www.kobelcocranesnorthamerica.com/>