

KOBELCO

Hydraulic Crawler Crane

CK2750G-3

Max. Lifting Capacity - Crane : 275 US Tons
Max. Crane Boom Length : 300 ft
Max. Fixed Jib Combination : 250 ft + 100 ft

Max. Lifting Capacity - Luffing : 176,300 lbs
Max. Luffing Boom Length : 200 ft
Max. Luffing Jib Length : 200 ft

PRELIMINARY



CK2750G-3

CONTENTS

2	SPECIFICATIONS
6	G-MODE
7	LOAD MOMENT INDICATOR (LMI)
8	WINCH PERFORMANCE DATA
9	SELF-ASSEMBLY PROCEDURE
10	COUNTERWEIGHT SELF REMOVAL DEVICE

CRANE BOOM/JIB

11	GENERAL DIMENSIONS
13	DIMENSIONS & WEIGHT
16	TRANSPORTATION PLAN
18	WORKING RANGES
21	BOOM AND JIB ARRANGEMENTS
23	SUPPLEMENTAL DATA FOR CRANE BOOM/JIB
24	LIFTING CHART FOR STANDARD BOOM
27	LIFTING CHART FOR CRANE WITH LUFFING BOOM TIP
29	LIFTING CHART FOR FIXED JIB
38	SUPPLEMENTAL DATA FOR CLAMSHELL
39	LIFTING CHART FOR CLAMSHELL
41	SUPPLEMENTAL DATA FOR BARGE
42	LIFTING CHART FOR BARGE

LUFFING BOOM/JIB

47	SPECIFICATIONS
48	GENERAL DIMENSIONS
49	DIMENSIONS & WEIGHT
51	WORKING RANGES
54	BOOM AND JIB ARRANGEMENTS
55	SUPPLEMENTAL DATA FOR LUFFING BOOM/JIB
57	LIFTING CHART FOR LUFFING BOOM
85	LIFTING CHART FOR LUFFING JIB

CK2750G-3 SPECIFICATIONS

General Description



<i>Type</i>	Crawler mounted, Lattice boom, Hydraulic controlled
<i>Maximum lift capacity</i>	550,000 lbs (249,479 kg) @ 15' operating radius (50' boom)
<i>Basic boom length</i>	50' (15.2 m)
<i>Maximum boom length</i>	300' (91.4 m)
<i>Basic boom & fixed jib length</i>	90' + 40' (27.4 m + 12.2 m)
<i>Maximum boom & fixed jib length</i>	250' + 100' (76.2 m + 30.5 m)
<i>Working weight</i>	Approx. 485,155 lbs (220,100 kg)
<i>Ground bearing pressure</i>	Approx. 14.9 psi (102.8 kPa)
<i>Gradeability</i>	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

<i>Width of upper machine w/operator's cab</i>	9' 10" (2.99 m)*
<i>Radius of rear end (counterweights)</i>	19' 8" (6.00 m)
<i>Counterweight ground clearance</i>	4' 10" (1.48 m)
<i>Center of rotation to boom foot pin</i>	4' 7" (1.40 m)
<i>Height from ground to boom foot pin</i>	8' 4" (2.53 m)
<i>Height over gantry (raised)</i>	18' 2" (5.53 m)
<i>Overall length of crawlers</i>	29' 5" (8.97 m)
<i>Overall width of crawlers</i>	25' 4" (7.73 m)
<i>Center to center, idler to sprocket</i>	25' 11" (7.90 m)
<i>Shoe width</i>	4' 4" (1.33 m)
<i>Ground clearance of body</i>	1' 5" (0.43 m)

Working Speed

<i>Hoist line speed (front and rear drums)</i>	360 to 10 ft/min (110 to 3 m/min)
<i>Lowering line speed (front and rear drums)</i>	360 to 10 ft/min (110 to 3 m/min)
<i>Boom hoist line speed</i>	72 to 6.6 ft/min x 2 (22 to 2 m/min x 2)
<i>Boom lowering line speed</i>	72 to 6.6 ft/min x 2 (22 to 2 m/min x 2)
<i>Swing speed (max.)</i>	2.2 rpm (2.2 min ⁻¹)
<i>Travel speed (high/low)</i>	0.69/0.44 mph (1.0/0.5 km/h)

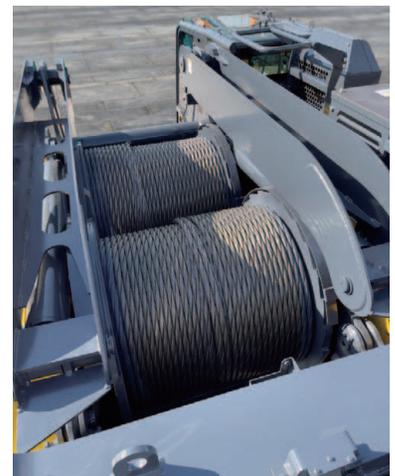
Line speed based on single line, no load, and first layer of rope on the drum.

Upper Machinery

Power Plant :

Diesel engine - make and model

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



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



Self Lifting Device - Standard Equipment

Counterweight and Carbody weight

Counterweight Base	1 × 34,260 lbs (15,540 kg)
Counterweight (R)	7 × 11,885 lbs (5,390 kg)
Counterweight (L)	7 × 11,885 lbs (5,390 kg)
Total Counterweight	200,650 lbs (91,000 kg)

Carbody weight base	2 × 18,235 lbs (8,270 kg)
Carbody weight	2 × 11,885 lbs (5,390 kg)
Total Carbody weight	60,240 lbs (27,320 kg)



Hydraulic system

Maximum pressure rating
4,626 psi (31.9 MPa)

Cooling
Oil to air heat exchanger

Filtration
Full flow filters with replaceable paper elements

Oil Quantity (at the reference level)
145.3 US gal. (550 L)

Hydraulic pumps :

Load hoist and propel

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

Boom hoist

1 piston pump, max flow rate
89.3 US gal/min (338 L/min)

Swing

1 piston pump, max flow rate
89.3 US gal/min (338 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)

Live Mast

The heavy duty live mast enhances lifting capabilities, and is fitted with a point sheave that facilitates crane self-erection operations.

Operator's cab

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

Controls

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

Swing :

Swing unit

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

Swing brake

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

Swing circle

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

Swing lock

Manual, 4 position lock for transportation.

CK2750G-3 SPECIFICATIONS



Free fall function (optional) :

Max. line pull (single line) - 56,700 lbf (252 kN)

Rated line pull - 29,700 lbf (132 kN)

Front drum :

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

Negative brake

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

Drum lock External ratchet for locking drum

Drums :

Front drum (non free fall) -

Max. line pull (single line) - 57,100 lbf (254 kN)

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

618 mm P.C.D. x 864 mm Lg., grooved for 26 mm wire rope. Rope capacity is 1,509' (460 m) working length and 1,673' (510 m) storage length.

Rear drum (non free fall) -

Max. line pull (single line) - 57,100 lbf (254kN)

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

618 mm P.C.D. x 864 mm Lg., grooved for 26 mm wire rope. Rope capacity is 1,280' (390 m) working length and 1,673' (510 m) storage length.

Third drum (optional) -

462 mm P.C.D. x 522 mm Lg., grooved for 22 mm wire rope. Rope capacity is 869' (265 m) working length and 986' (277 m) storage length.

Lower Machinery

Crawlers :

Crawler assemblies are designed with a quick disconnect, hook and pin feature for easy 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 :

68 shoes - 52" wide, each crawler.

Track rollers :

The track rollers are sealed for maintenance free operation. Upper rollers also assisted by bolt on track wear slides.



Crane Attachments

Boom :

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

<i>Maximum boom length</i>	300' (76.2 m)
<i>Basic boom length</i>	50' (15.2 m)
<i>Boom base section</i>	25' (7.6 m)
<i>Boom tip section</i>	25' (7.6 m)

Boom insert (optional) :

Optional boom inserts are available to provide extension capabilities. They are robotic welded, laser aligned, lattice constructed with tubular, high-tension steel chords and pin connections. Each insert features boom pin holders, pendant line transport holders, catwalks, and lift lugs for rigging straps.

Boom insert

10' (3.0 m), 20' (6.1 m), 40' (12.2 m)

Fixed jib (optional) :

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

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

Jib is useable on booms of 90' (27.4 m) through 250' (76.2 m)

Standard Equipment

Lights :

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

Gauges and warning display :

Gauges

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

Warning display

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

Others :

- Air conditioner / heater
- Drum turn indicator (front / rear)
- Foot pedal / throttle / boom hoist

- Electric fuel tank transfer pump
- Counterweight self-removal device
- KCROSS (Telematics)
- Anemometer
- Translifters
- Live Mast - Useable for crane self-assembly
- USB port in cab
- Radio with Bluetooth®
- Cigar lighter socket -
- 12 V auxiliary power outlet - in cab

Safety Service

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



Auxiliary sheave (optional) :

Auxiliary sheave is extendible on booms of 50' (15.2 m) through 290' (88.4 m)

Maximum line : 2 parts of 26 mm wire rope.

Boom hoist reeving :

Sixteen (16) parts of 26.0 mm diameter high strength wire rope.

Boom backstops :

Telescopic type with spring bumper

Safety Service (cont)

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

Tools and Accessories

A set of tools and manuals are furnished.

Optional Equipment

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

CK2750G-3 G-MODE

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

Auto Idling Stop Mode (AIS) :

An Industry First

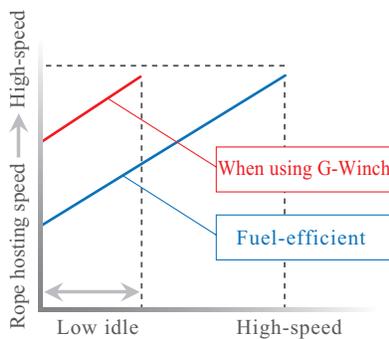
The AIS mode can conserve fuel by stopping the engine, with an operator prompt, after 10 seconds of idling time. Restarting the engine is simple by just twisting the throttle.



G-Winch Mode :

An Industry First

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



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

G-Engine Mode :

An Industry First

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



G-Winch



G-Engine



AIS



SCR System

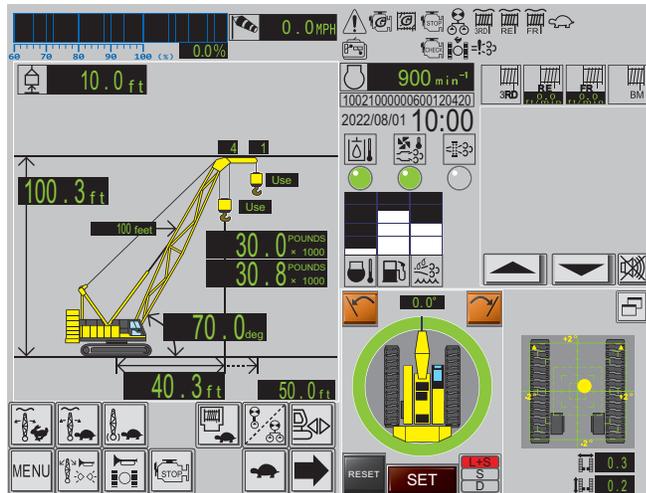
This machine is equipped with the SCR system. The SCR system is used to reduce emission of NOx (nitrogen oxide) from the engine. The SCR system decomposes NOx contained in exhaust gas into water and nitrogen by spraying DEF/ AdBlue® into the muffler. This means that the exhaust gas from the diesel engine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

This system requires the use of low sulfur diesel.

*Warning : High sulfur diesel will damage the engine.

CK2750G-3 LOAD MOMENT INDICATOR (LMI)

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

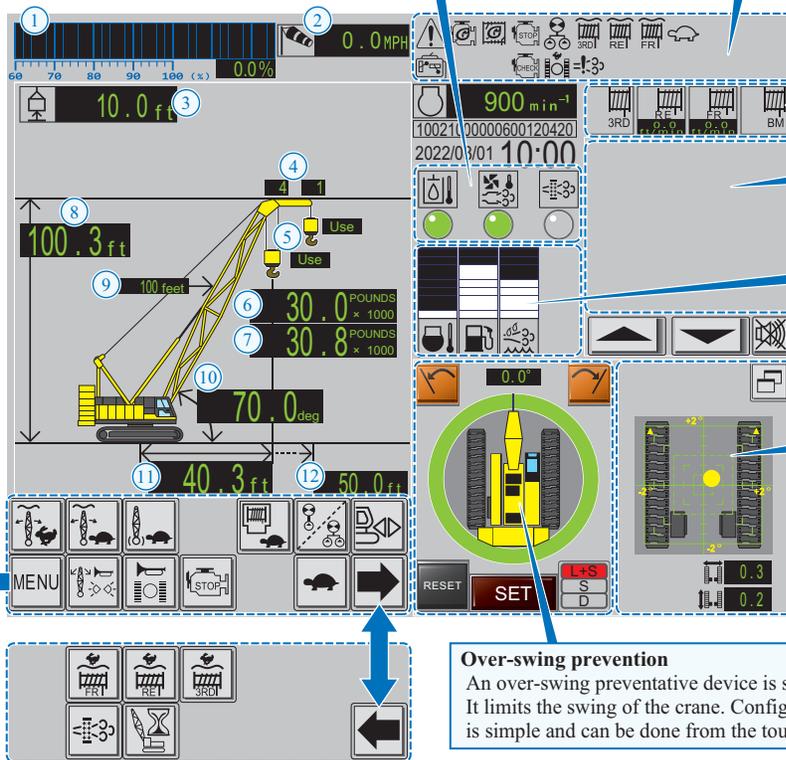


Hydraulic oil temperature lamp
Exhaust system cooling call lamp
SCR Refresh Error Lamp

Display lamp

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

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



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

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

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

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

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

Main menu

- Crane config.
- Angle/radius Limiter
- Self check Mode



Adjustment mode
Service mode

CK2750G-3

WINCH PERFORMANCE DATA

Note :

Line speed and line pull based on ISUZU 6UZ1 at 2,000 rpm.

Line speed and line pull based on single line.

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

Front & Rear Drum (free fall) (optional)

Wire Rope Diameter = See spec in chart below

Rated Line Pull = 29,700 lbf (132 kN)

Maximum Line Pull = 56,700 lbf (252 kN)

Total Storage Capacity = 1,679 ft (511.8 m)

		Line speed (ft / min)							
		Layer	1	2	3	4	5	6	7
Line Pull (lbf)	0	361	387	413	438	464			
	5,000	361	387	413	440	463			
	10,000	361	387	413	440	463			
	15,000	361	387	413	440	463			
	20,000	300	300	300	300	300			
	25,000	240	240	240	240	240	storage only	storage only	
	29,700	202	202	202	203	203			
	35,000	174	174	174	175	158			
	40,000	166	152	134	117	107			
	45,000	123	105	95					
	50,000	90							
Storage Capacity (ft)		197	212	226	240	254	268	282	

Third Drum (for Load hoist)

Wire Rope Diameter = See spec in chart below

Rated Line Pull = 20,000 lbf (88 kN)

Maximum Line Pull = 35,600 lbf (158 kN)

Total Storage Capacity = 912 ft (277.9 m)

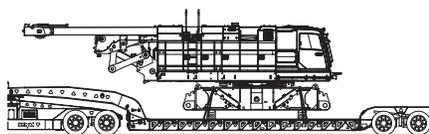
		Line speed (ft / min)							
		Layer	1	2	3	4	5	6	7
Line Pull (lbf)	0	177	192	206	220	235			
	5,000	178	192	206	220	234			
	10,000	176	189	203	217	231			
	15,000	174	187	201	214	227	storage only	storage only	
	20,000	172	185	198	198	191			
	25,000	158	152	153	154	153			
	30,000	128	128	126					
	35,000	108							
Storage Capacity (ft)		105	113	122	130	139	147	156	

Wire Rope Specifications

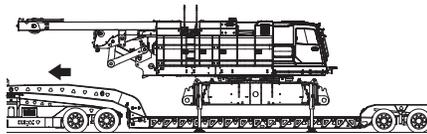
Use	Construction	No load diameter	Length	Safety factor	Breaking strength
Front drum	U3 × SeS (48) Right-hand Regular lay	1.050" to 1.065" (26.68mm to 27.04mm)	1,509ft (460m)	3.5 : 1	135,110 lbf (601 kN)
Rear drum	U3 × SeS (48) Right-hand Regular lay	1.050" to 1.065" (26.68mm to 27.04mm)	1,280ft (390m)	3.5 : 1	135,110 lbf (601 kN)
Boom hoist drum (Luffing boom hoist)	IWRC 6 × P·WS (31) Right-hand Regular lay	1.052" to 1.067" (26.73mm to 27.09mm)	935ft (285m)	3.5 : 1	124,544 lbf (554 kN)
Boom hoist drum (Luffing boom hoist) (optional)	IWRC 8 × P·S (19) Right-hand Regular lay	1.052" to 1.067" (26.73mm to 27.09mm)	935ft (285m)	3.5 : 1	124,544 lbf (554 kN)
Third drum (optional)	IWRC 6 × Fi (29) Right-hand Regular lay	0.888" to 0.905" (22.55mm to 22.99mm)	869ft (265m)	3.5 : 1	81,606 lbf (363 kN)
Luffing jib hoist	IWRC 6 × P·WS (31) Right-hand Regular lay	0.893" to 0.905" (22.68mm to 22.99mm)	870ft (265m)	3.5 : 1	89,250 lbf (397 kN)
Luffing jib hoist (optional)	IWRC 8 × P·S (19) Right-hand Regular lay	0.893" to 0.905" (22.68mm to 22.99mm)	870ft (265m)	3.5 : 1	89,250 lbf (397 kN)

CK2750G-3 SELF-ASSEMBLY PROCEDURE

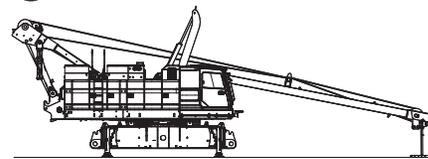
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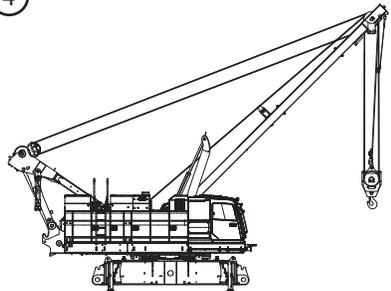
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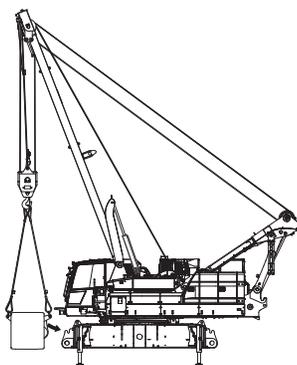
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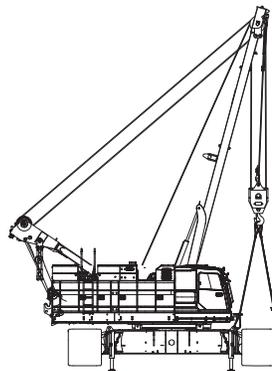
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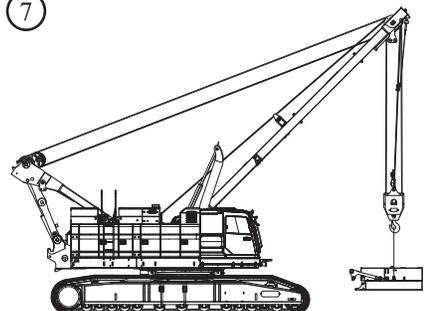
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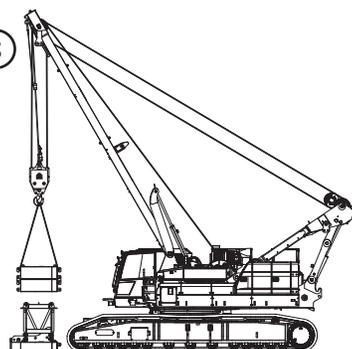
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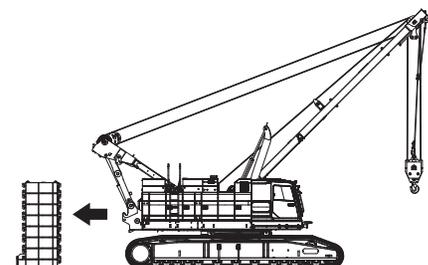
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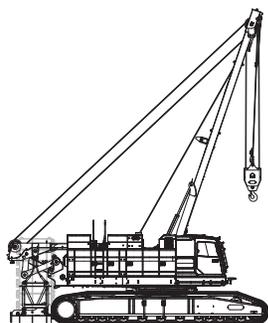
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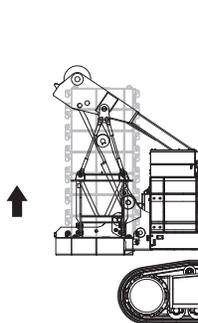
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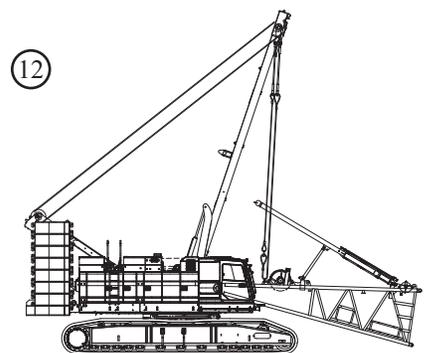
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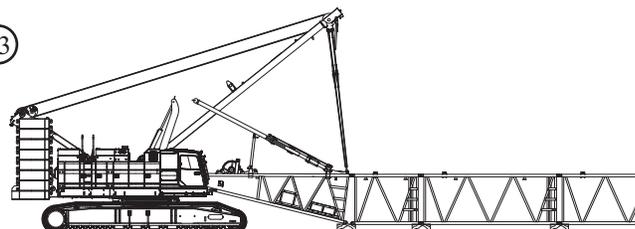
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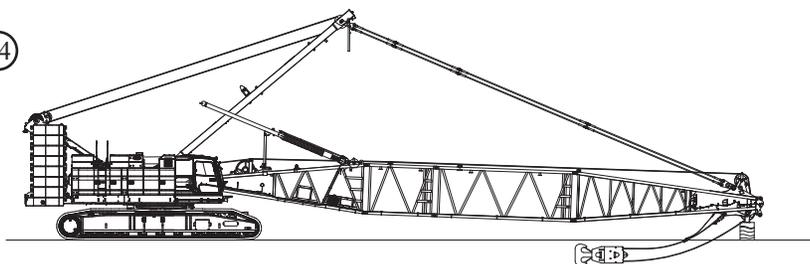
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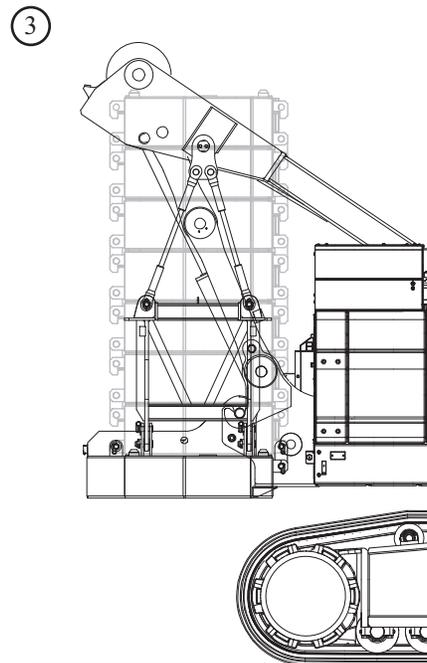
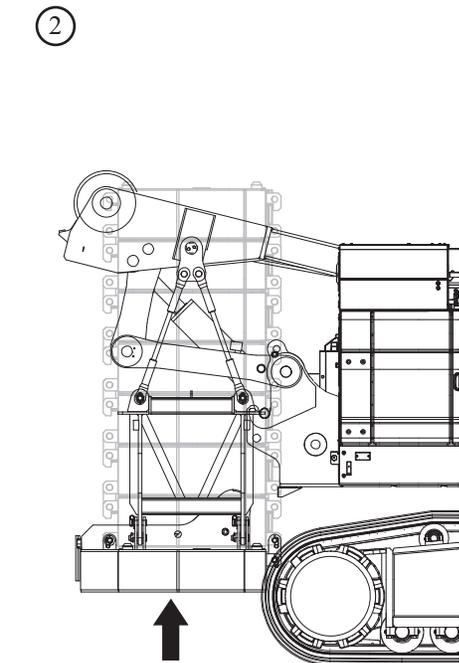
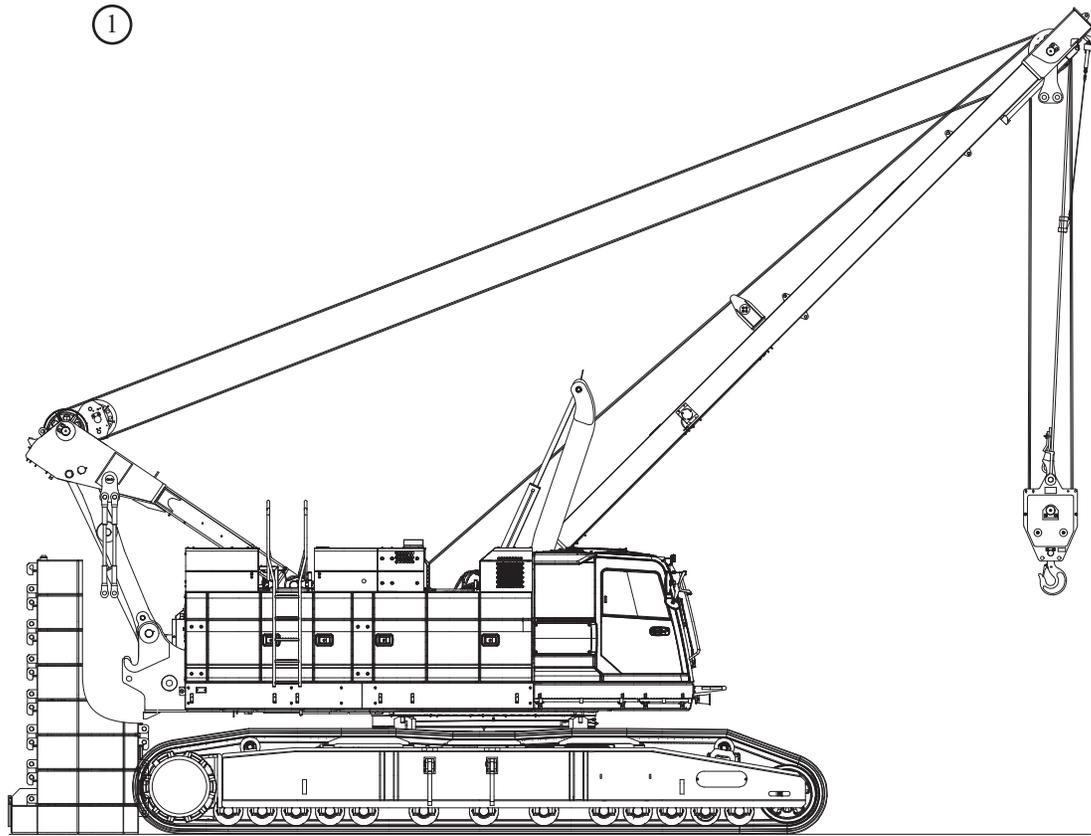
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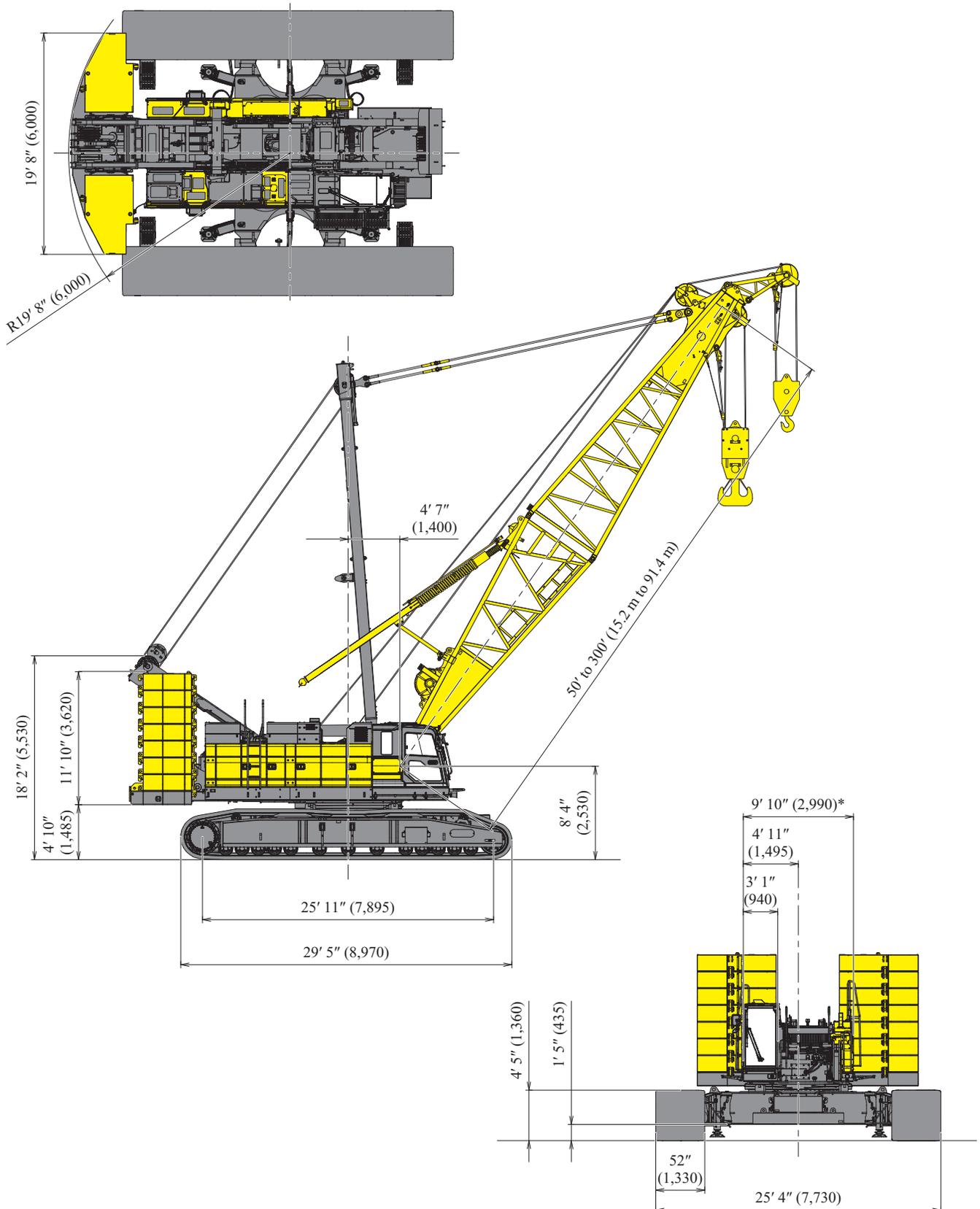


CK2750G-3 COUNTERWEIGHT SELF REMOVAL DEVICE



Crane Boom

Unit : ft (mm)

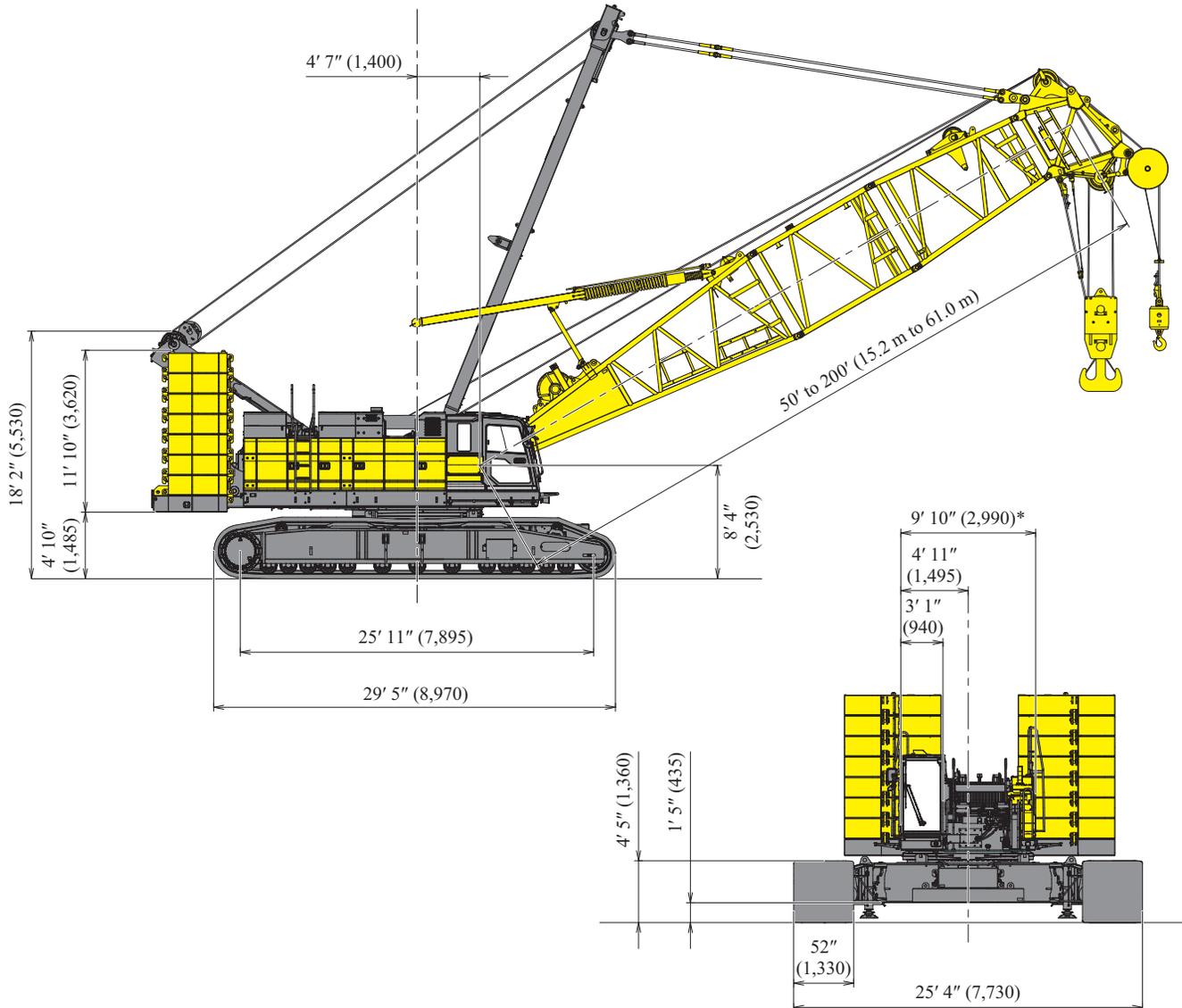
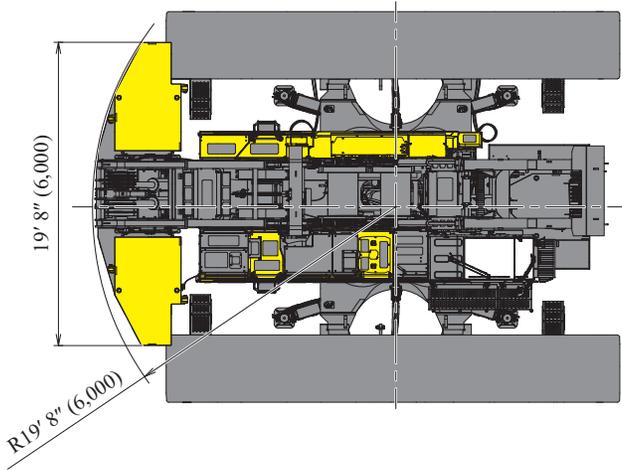


* 10' 5" wide with step on cab side only.
11' wide with step on both sides.

CK2750G-3 CRANE - GENERAL DIMENSIONS

Crane with Luffing Boom Tip

Unit : ft (mm)



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

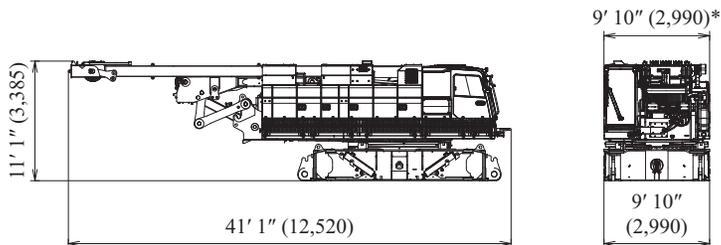
CK2750G-3 CRANE - DIMENSIONS & WEIGHT

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

Base Machine - 1

Weight: 101,475 lbs (46,030 kg)

- Gantry○
- Mast○
- Wire rope Front.....○
- Rear○
- Boom.....○
- Step○
- Translifter.....○



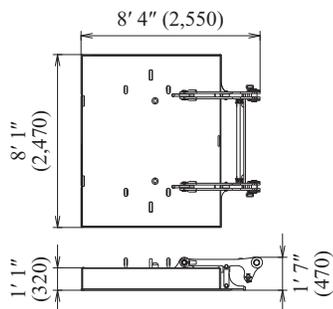
○ : With
× : Without

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

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

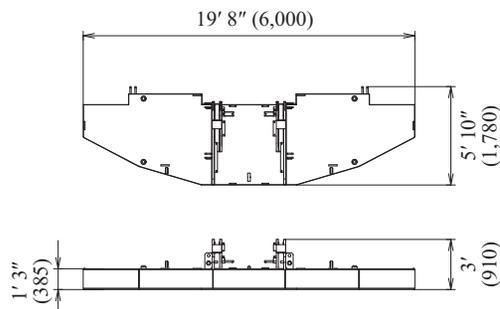
Carbody Weight (Base) (with link)

Weight: 18,235 lbs (8,270 kg)



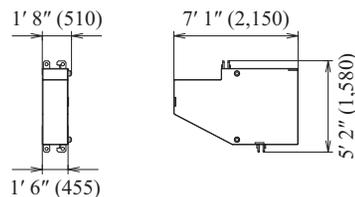
Counterweight Base (with hanger)

Weight: 34,260 lbs (15,540 kg)



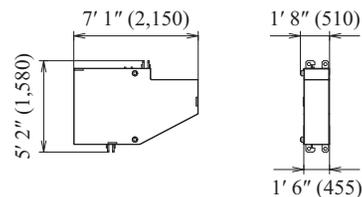
Left Side Counterweight

Weight: 11,885 lbs (5,390 kg)

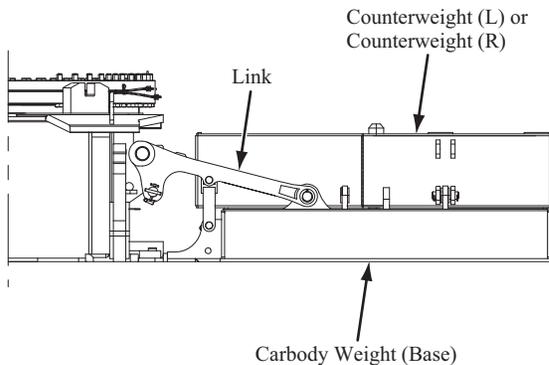


Right Side Counterweight

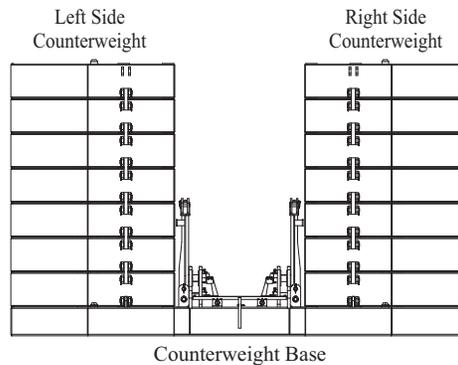
Weight: 11,885 lbs (5,390 kg)



Carbody Weight Assembly



Counterweight Assembly

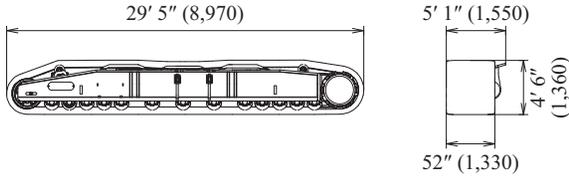


CK2750G-3 CRANE - DIMENSIONS & WEIGHT

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

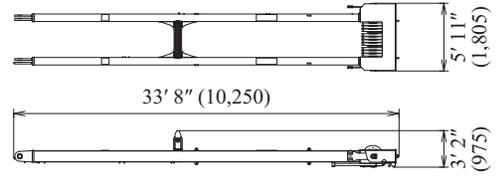
Crawler

Weight: 53,230 lbs (24,145 kg)



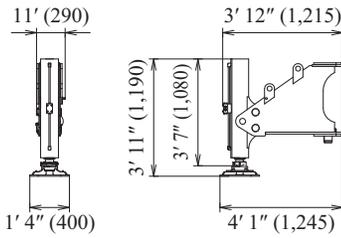
Mast

Weight: 7,055 lbs (3,200 kg)



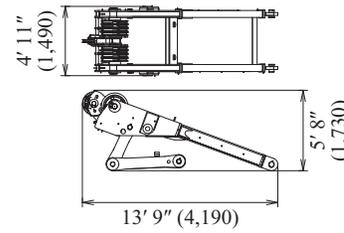
Translifter

Weight: 860 lbs (390 kg)



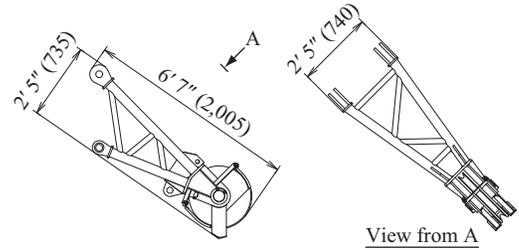
Gantry

Weight: 6,700 lbs (3,038 kg)



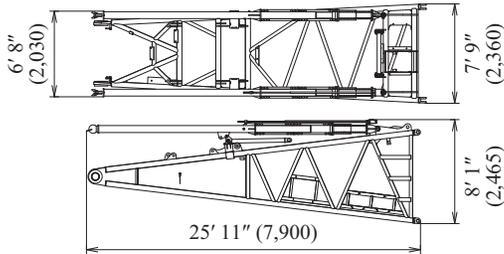
Auxiliary Sheave

Weight: 610 lbs (290 kg)



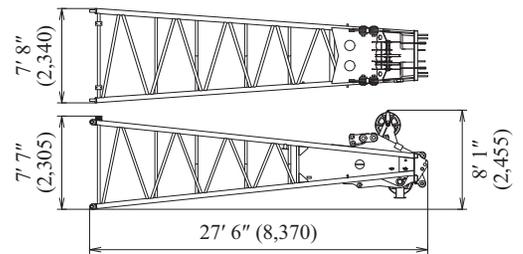
Boom Base (with backstop)

Weight: 10,335 lbs (4,690 kg)



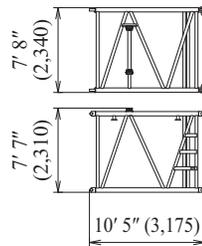
Boom Tip

Weight: 8,080 lbs (3,665 kg)



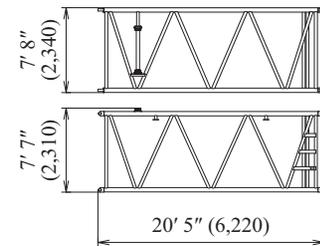
10 ft (3.0 m) Boom Insert (with guy line)

Weight: 1,965 lbs (890 kg)



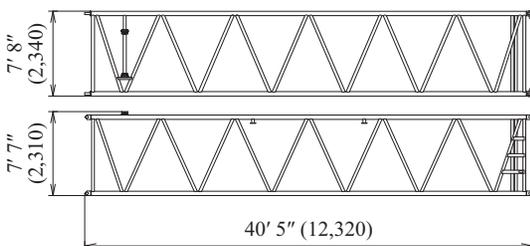
20 ft (6.1 m) Boom Insert (with guy line)

Weight: 3,175 lbs (1,440 kg)



40 ft (12.2 m) Boom Insert (with guy line)

Weight: 5,600 lbs (2,540 kg)

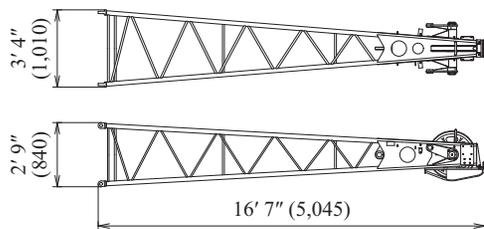


CK2750G-3 CRANE - DIMENSIONS & WEIGHT

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

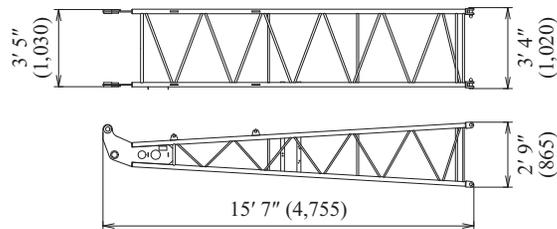
Fixed Jib Tip

Weight: 720 lbs (325 kg)



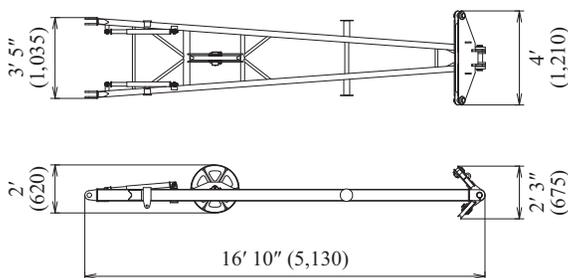
Fixed Jib Base

Weight: 465 lbs (210 kg)



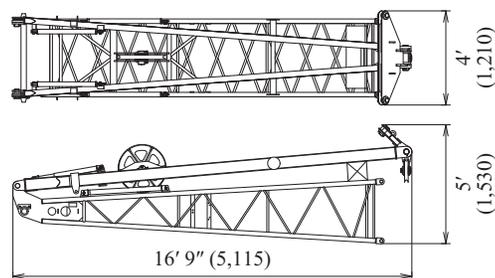
Fixed Jib Strut

Weight: 805 lbs (365 kg)



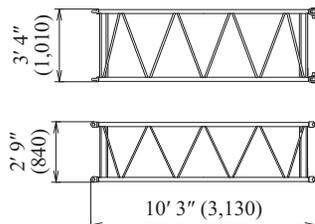
Fixed Jib Base and Strut

Weight: 1,270 lbs (575 kg)



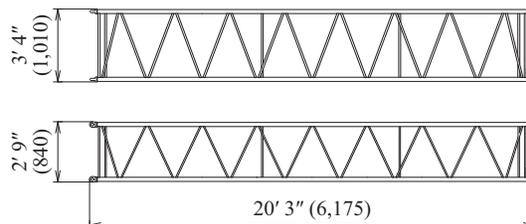
10 ft (3.0 m) Fixed Jib Insert

Weight: 245 lbs (110 kg)



20 ft (6.1 m) Fixed Jib Insert

Weight: 420 lbs (190 kg)



CK2750G-3 TRANSPORTATION PLAN

Shipping plan for 250 ft Boom and 100' Fixed Jib

Refer to pages 13-15

Description of Item	Weight		Trailer Loads										
	lbs	(kg)	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11
Base Machine	101,475	(46,030)	1										
Crawler	53,230	(24,145)		1	1								
Counterweight Base	34,260	(15,540)						1					
Counterweight (L)	11,885	(5,390)							2	2	1	1	1
Counterweight (R)	11,885	(5,390)							1	1	2	2	1
Carbody Weight Base	18,235	(8,270)					2						
Carbody Weight	11,885	(5,390)				2							
10 ft Boom Insert	1,965	(890)					2						
20 ft Boom Insert	3,175	(1,440)					1						
40 ft Boom Insert	5,600	(2,540)							1	1	1	1	
Boom Base w/backstop*	10,335	(4,690)				1							
Boom Tip	8,080	(3,665)											1
Fixed Jib Base w/strut	1,270	(575)						1					
10 ft Fixed Jib Insert	245	(110)						1					
20 ft Fixed Jib Insert and Guy Line	420	(190)							1	1	1		
Fixed Jib Tip	720	(325)						1					
Auxiliary Sheave	610	(290)								1			
115 Ton Block	3,900	(1,361)						1					
19 Ton Ball	1,311	(365)									1		
Ladder Assembly	90	(41)											
Approx. Total Shipping Weight	lbs (kg)		101,475 (46,030)	53,230 (24,145)	53,230 (24,145)	34,105 (15,470)	43,575 (19,760)	40,395 (17,911)	41,675 (18,900)	42,285 (19,190)	42,986 (19,265)	41,255 (18,710)	31,850 (14,445)

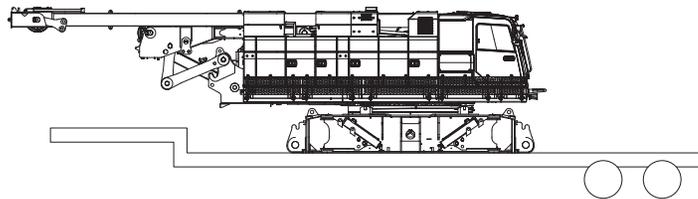
* Third drum is not included. Add 5,100 lbs to boom base if third drum is installed.

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

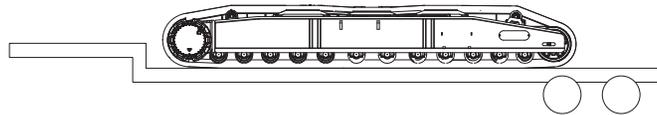
This may vary depending on truck/trailer weight, style of trailer and state law.

* Add 2,030 lbs with Free Fall.

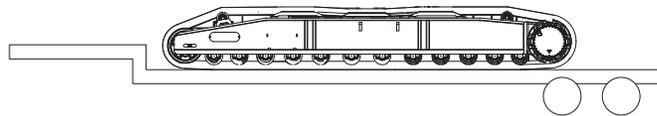
Trailer #1



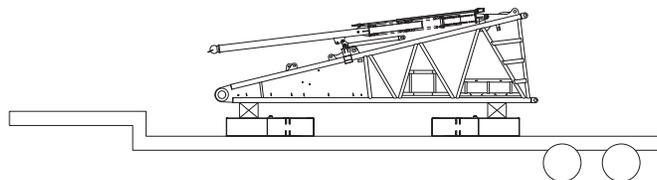
Trailer #2



Trailer #3

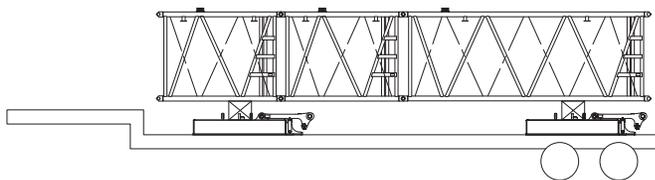


Trailer #4

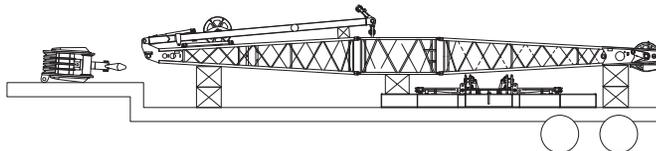


Refer to pages 13-15

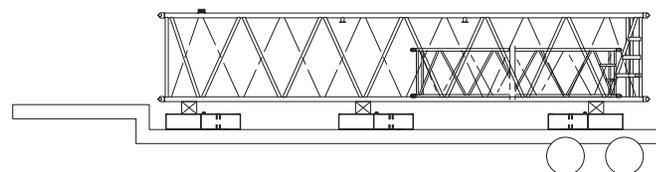
Trailer #5



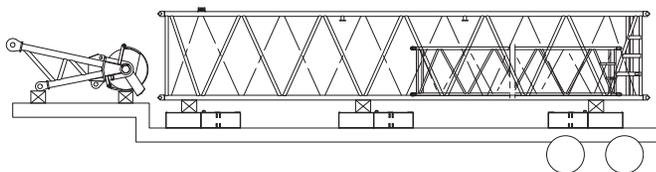
Trailer #6



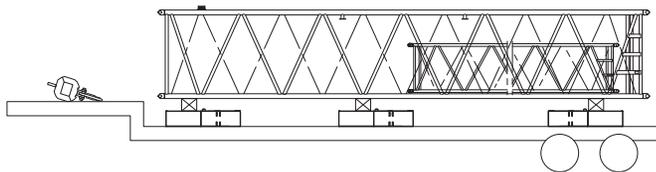
Trailer #7



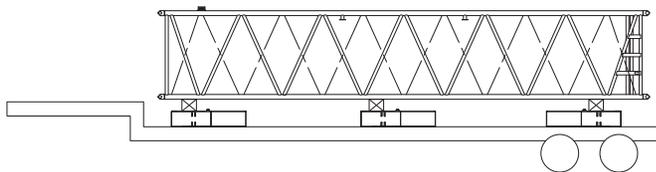
Trailer #8



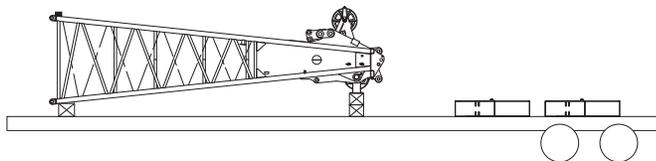
Trailer #9



Trailer #10

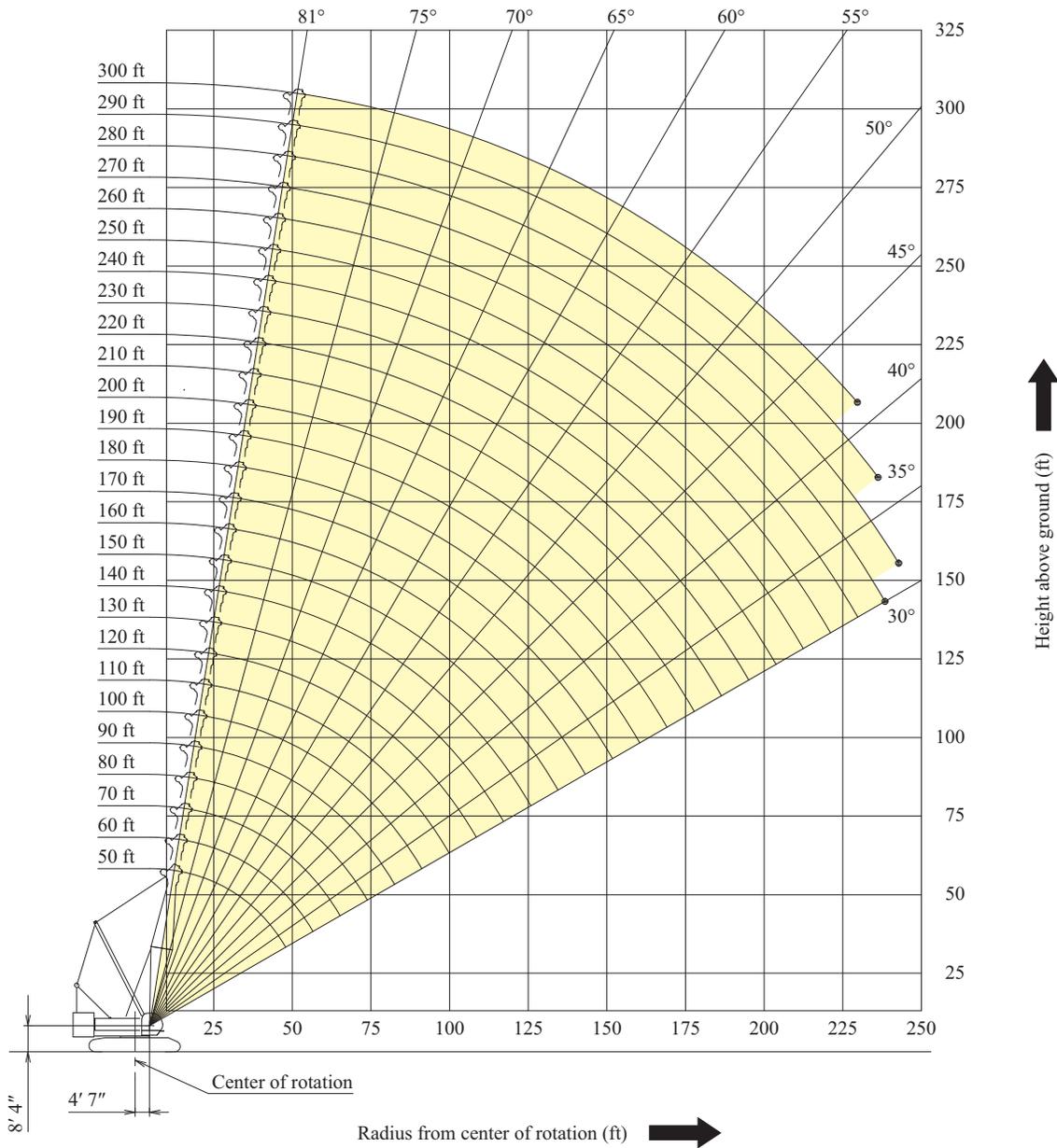


Trailer #11

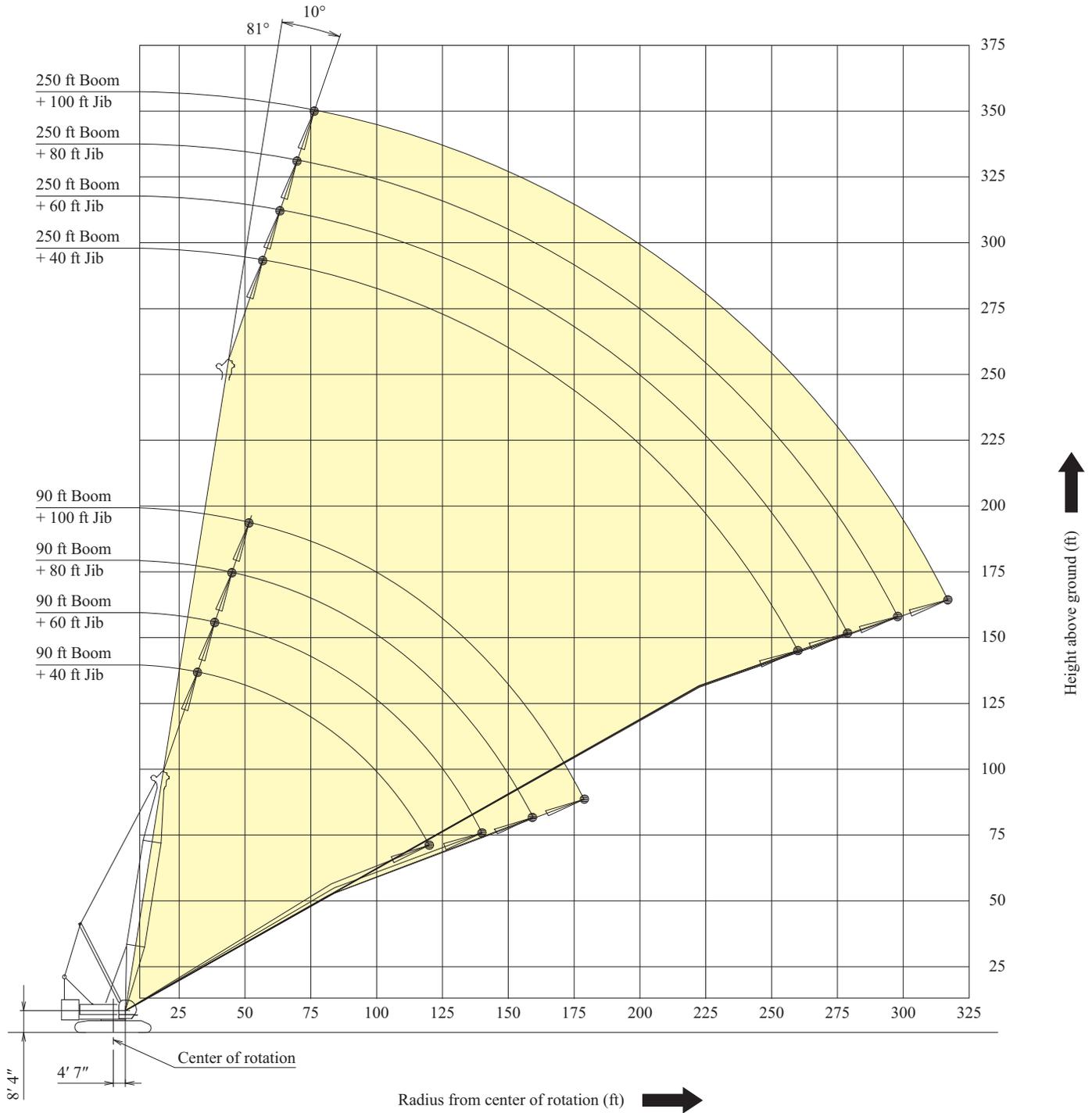


CK2750G-3 CRANE - WORKING RANGES

Main Boom

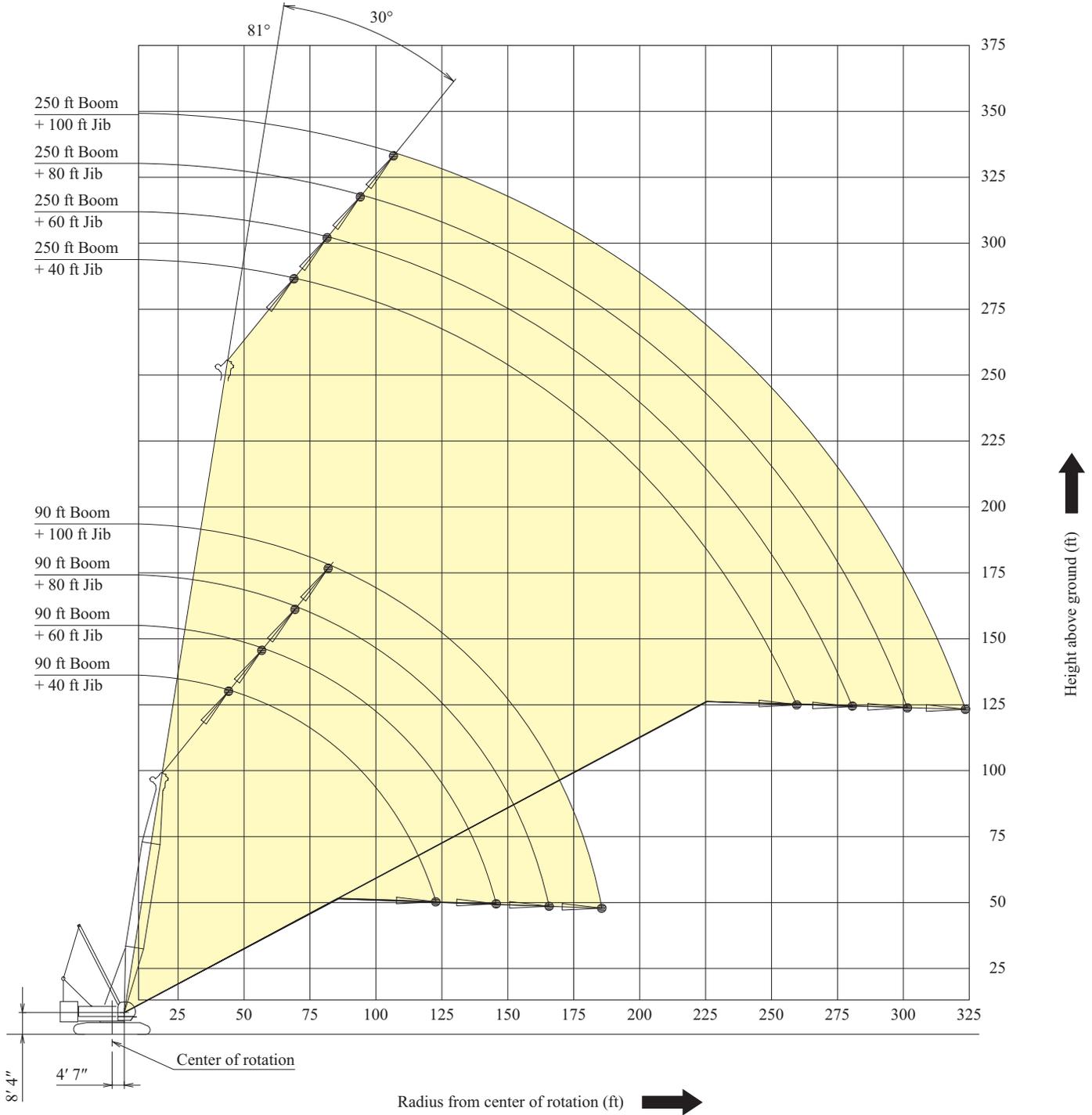


Fixed Jib 10°



CK2750G-3 CRANE - WORKING RANGES

Fixed Jib 30°



Standard Boom Arrangement

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

Boom length : ft (m)	Boom arrangement
180 (54.9)	※
190 (57.9)	※
200 (61.0)	※
210 (64.0)	※
220 (67.1)	※
230 (70.1)	※
240 (73.2)	※
250 (76.2)	※
260 (79.3)	※
270 (82.3)	※
280 (85.3)	※
290 (88.4)	※
300 (91.4)	

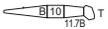
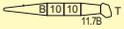
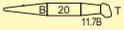
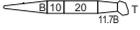
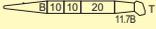
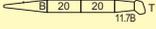
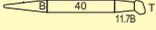
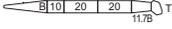
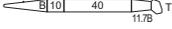
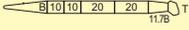
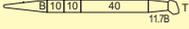
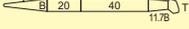
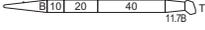
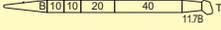
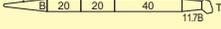
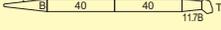
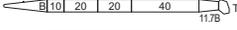
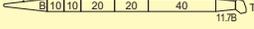
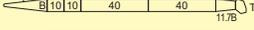
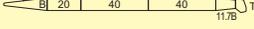
Symbol	Boom Length	Remarks
	25 ft (7.6 m)	Boom Base
	25 ft (7.6 m)	Boom Tip
	10 ft (3.0 m)	Boom Insert
	20 ft (6.1 m)	Boom Insert
	40 ft (12.2 m)	Boom Insert

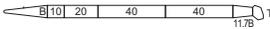
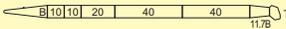
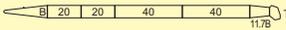
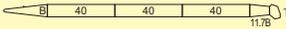
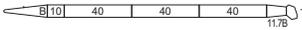
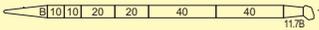
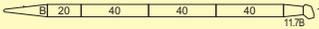
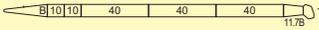
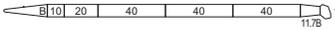
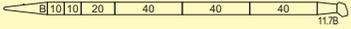
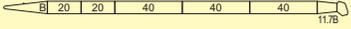
↗ mark shows the guy line installing position when the fixed jib is used.

※ mark shows the standard crane boom arrangement which enables each boom length of less than that boom length to be configured.

CK2750G-3 CRANE - BOOM AND JIB ARRANGEMENT

Crane with Luffing Boom Tip Arrangement

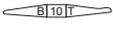
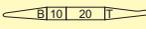
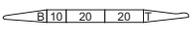
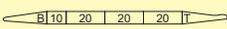
Boom length : ft (m)	Boom arrangement
50 (15.2)	
60 (18.3)	※  
70 (21.3)	※ 
80 (24.4)	※   
90 (27.4)	※  
100 (30.5)	※   
110 (33.5)	※ 
120 (36.6)	※   
130 (39.6)	※  
140 (42.7)	※   

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

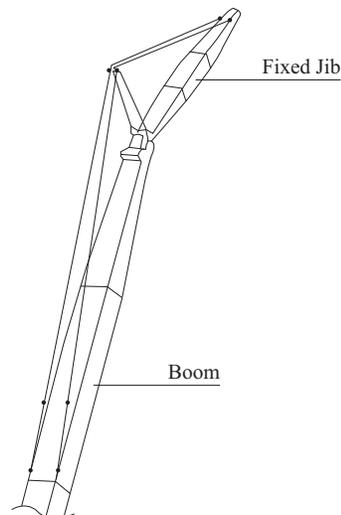
※ mark shows the standard luffing boom arrangement which enables each boom length of less than that boom length to be configured.

Symbol	Boom Length	Remarks
	25 ft (7.6 m)	Boom Base
	3 ft 3 in (1.0 m)	Luffing Boom Tip
	11 ft 10 in (3.6 m)	Taper Boom Insert
	10 ft (3.0 m)	Boom Insert
	20 ft (6.1 m)	Boom Insert
	40 ft (12.2 m)	Boom Insert

Fixed Jib Arrangement

Crane boom length	Jib length : ft (m)	Jib arrangement
90 ft (27.4 m) to 250 ft (76.2 m)	40 (12.2)	
	60 (18.3)	
	80 (24.4)	
	100 (30.5)	

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



Boom and Fixed Jib

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

Aux. Sheave for Crane Boom & Luffing Boom

Deductions (Lbs)	700
------------------	-----

Fixed Jib

Jib length (ft)	40	60	80	100
Deductions (Lbs)	7,055	8,010	8,965	9,920

8. The total load that can be lifted over a jib is limited by rated jib loads.
9. Boom lengths for jib mounting are 90 ft (27.4 m) to 250 ft (76.2 m).
10. 40 ft (12.2 m) jib length with offset angle 10 degrees, one part of line on hook is not allowed.
11. The total load that can be lifted over an auxiliary sheave is the value for 700 lbs deducted from the rated load for the boom without auxiliary sheave, but it should not exceed auxiliary maximum hoist load.
12. Boom lengths that can attach auxiliary sheave are from 50 ft (15.2m) to 290 ft (88.4m).

13. The boom should be erected over the front of the crawlers, not laterally. When erecting and lowering the crane boom at a length of 290 ft (88.4 m) or over and the crane boom with fixed job at a length of 250 ft (76.2 m), the blocks for erection must be placed at the end of the crawlers.
14. The maximum rated load is 5,200 lbs (2.4t).
15. Least stable position is over the side.
16. Maximum hoist load for number of reeving parts of line for the hoist rope.

Main Boom Hoist Loads

No. of Parts of line	1	2	3	4	5
Maximum Loads (lbs)	29,700	59,500	89,200	119,000	148,800

No. of Parts of line	6	7	8	10	12
Maximum Loads (lbs)	178,500	208,300	238,000	297,600	352,700

No. of Parts of line	14	16	18	20	22
Maximum Loads (lbs)	403,400	451,900	500,400	529,100	550,000

Maximum Load for Jib

No. of Parts of line	1	2
Maximum Loads (lbs)	29,700	59,500

Maximum Load Auxiliary Sheave

No. of Parts of line	1	2
Maximum Loads (lbs)	29,700	59,500

17. Weight of recommended hook block.

Hook Block	275 t	165 t	110 t	77 t	39 t	Ball hook
Weight (lbs)	9,260	5,075	3,970	2,650	1,990	1,000



If the weight of the hook block used is lighter than the above recommended weight, the jib may turn over backward or will be difficult to lower the empty hook block.

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

Boom length	50 ft, 60 ft	70 ft	80 ft to 120 ft
Reduced amount (lbs)	0	100	200

Boom length	130 ft to 190 ft	200 ft to 260 ft	270 ft to 300 ft
Reduced amount (lbs)	300	400	500

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

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

CK2750G-3 CRANE - LIFTING CHART

Main Boom Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

50' Boom			60' Boom			70' Boom			80' Boom			90' Boom											
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)									
15.0	79.5	550,000 *	16.4	80.0	499,700 *	18.0	80.0	451,900 *	20.0	80.0	403,400 *	21.6	80.0	384,700 *									
16.0	78.4	521,700 *	17.0	79.4	485,600 *	19.0	79.3	434,000 *	22.0	78.4	376,700 *	22.0	79.7	378,900 *									
17.0	77.3	492,900 *	18.0	78.4	462,000 *	20.0	78.4	415,800 *	24.0	77.0	349,900 *	24.0	78.4	349,300 *									
18.0	76.1	466,500 *	19.0	77.5	438,300 *	22.0	76.8	381,000 *	26.0	75.5	323,300 *	26.0	77.1	322,700 *									
19.0	74.9	440,200 *	20.0	76.5	416,600 *	24.0	75.1	350,400 *	28.0	74.0	301,700 *	28.0	75.8	300,900 *									
20.0	73.7	416,700 *	22.0	74.5	381,800 *	26.0	73.4	323,800 *	30.0	72.5	281,600 *	30.0	74.5	280,200 *									
22.0	71.2	382,300 *	24.0	72.5	351,300 *	28.0	71.6	302,100 *	32.0	71.0	264,600 *	32.0	73.2	260,700 *									
24.0	68.8	351,900 *	26.0	70.4	324,700 *	30.0	69.9	282,100 *	34.0	69.4	247,000 *	34.0	71.8	243,000 *									
26.0	66.3	325,300 *	28.0	68.4	302,900 *	32.0	68.1	265,000 *	36.0	67.9	229,000 *	36.0	70.5	226,500 *									
28.0	63.7	303,500 *	30.0	66.3	282,700 *	34.0	66.3	247,300 *	38.0	66.3	211,100 *	38.0	69.1	210,100 *									
30.0	61.1	283,400 *	32.0	64.2	265,700 *	36.0	64.5	229,300 *	40.0	64.7	195,000 *	40.0	67.7	195,000 *									
32.0	58.4	266,300 *	34.0	62.0	247,900 *	38.0	62.6	211,200 *	42.0	63.1	183,100 *	42.0	66.3	183,000 *									
34.0	55.5	248,300 *	36.0	59.7	229,600 *	40.0	60.8	195,000 *	44.0	61.5	171,100 *	44.0	64.9	171,000 *									
36.0	52.6	229,700 *	38.0	57.5	211,300 *	42.0	58.8	183,100 *	46.0	59.8	159,300 *	46.0	63.5	159,100 *									
38.0	49.6	211,100 *	40.0	55.2	195,000 *	44.0	56.9	171,100 *	48.0	58.1	151,100 *	48.0	62.0	150,800 *									
40.0	46.4	194,600 *	42.0	52.7	183,100 *	46.0	54.9	159,300 *	50.0	56.4	142,900 *	50.0	60.6	142,500 *									
42.0	42.9	182,600 *	44.0	50.2	171,100 *	48.0	52.8	151,100 *	55.0	51.9	125,200 *	55.0	56.8	124,700 *									
44.0	39.3	170,700 *	46.0	47.7	159,300 *	50.0	50.6	142,900 *	60.0	47.1	110,900 *	60.0	52.9	110,500 *									
46.0	35.7	158,700 *	48.0	44.8	151,100 *	55.0	45.0	125,200 *	65.0	41.9	99,700 *	65.0	48.7	99,200 *									
48.0	31.3	147,800 *	50.0	42.0	142,900 *	60.0	38.7	110,900 *	70.0	36.0	90,500 *	70.0	44.2	90,000 *									
48.5	30.0	144,800 *	55.0	34.0	125,100 *	65.0	31.4	99,700 *	74.4	30.0	82,800 *	75.0	39.3	82,100 *									
			57.4	30.0	117,900 *	65.9	30.0	97,600 *				80.0	33.9	75,200 *									
												83.3	30.0	71,200 *									
Reeves			22			Reeves			18			Reeves			14			Reeves			14		
100' Boom			110' Boom			120' Boom			130' Boom			140' Boom											
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)									
23.2	80.0	339,900 *	25.2	80.0	317,000 *	26.9	80.0	280,600 *	28.5	80.0	255,000 *	30.1	80.0	236,300 *									
24.0	79.6	334,800 *	26.0	79.5	313,000 *	28.0	79.4	277,400 *	30.0	79.4	250,700 *	32.0	79.3	231,100 *									
26.0	78.4	320,500 *	28.0	78.4	295,100 *	30.0	78.4	268,700 *	32.0	78.5	240,700 *	34.0	78.5	221,600 *									
28.0	77.3	298,000 *	30.0	77.4	276,100 *	32.0	77.5	250,800 *	34.0	77.5	228,900 *	36.0	77.6	209,600 *									
30.0	76.1	276,100 *	32.0	76.3	257,300 *	34.0	76.5	235,300 *	36.0	76.6	215,700 *	38.0	76.8	197,600 *									
32.0	74.9	260,000 *	34.0	75.2	240,400 *	36.0	75.5	221,500 *	38.0	75.7	202,500 *	40.0	75.9	186,400 *									
34.0	73.7	243,500 *	36.0	74.1	224,700 *	38.0	74.5	207,600 *	40.0	74.8	190,200 *	42.0	75.1	177,000 *									
36.0	72.5	226,800 *	38.0	73.1	209,100 *	40.0	73.5	194,400 *	42.0	73.9	179,600 *	44.0	74.2	167,700 *									
38.0	71.3	210,000 *	40.0	72.0	194,600 *	42.0	72.5	182,300 *	44.0	73.0	168,900 *	46.0	73.4	158,400 *									
40.0	70.1	194,800 *	42.0	70.8	182,500 *	44.0	71.5	170,300 *	46.0	72.0	158,400 *	48.0	72.5	150,100 *									
42.0	68.8	182,800 *	44.0	69.7	170,500 *	46.0	70.5	158,400 *	48.0	71.1	150,100 *	50.0	71.6	141,700 *									
44.0	67.6	170,700 *	46.0	68.6	158,600 *	48.0	69.5	150,200 *	50.0	70.2	141,900 *	55.0	69.5	123,800 *									
46.0	66.3	158,800 *	48.0	67.5	150,400 *	50.0	68.4	142,000 *	55.0	67.8	124,000 *	60.0	67.3	109,600 *									
48.0	65.1	150,600 *	50.0	66.3	142,100 *	55.0	65.8	124,200 *	60.0	65.4	109,600 *	65.0	65.0	98,100 *									
50.0	63.8	142,300 *	55.0	63.4	124,300 *	60.0	63.2	109,800 *	65.0	62.9	98,100 *	70.0	62.7	88,800 *									
55.0	60.5	124,600 *	60.0	60.5	110,000 *	65.0	60.4	98,400 *	70.0	60.4	88,900 *	75.0	60.4	80,800 *									
60.0	57.1	110,400 *	65.0	57.4	98,600 *	70.0	57.6	89,100 *	75.0	57.8	81,000 *	80.0	58.0	73,900 *									
65.0	53.6	99,000 *	70.0	54.2	89,200 *	75.0	54.7	81,200 *	80.0	55.2	74,000 *	85.0	55.5	68,000 *									
70.0	49.9	89,800 *	75.0	50.9	81,300 *	80.0	51.7	74,300 *	85.0	52.4	68,000 *	90.0	53.0	62,900 *									
75.0	46.0	81,900 *	80.0	47.4	74,500 *	85.0	48.6	68,200 *	90.0	49.5	63,100 *	95.0	50.3	58,400 *									
80.0	41.8	75,000 *	85.0	43.8	68,400 *	90.0	45.3	63,300 *	95.0	46.5	58,500 *	100.0	47.6	54,300 *									
85.0	37.3	69,300 *	90.0	39.7	63,500 *	95.0	41.7	58,800 *	100.0	43.4	54,400 *	110.0	41.7	47,500 *									
90.0	32.0	64,200 *	95.0	35.4	59,000 *	100.0	38.0	54,900 *	110.0	36.4	47,700 *	120.0	35.0	42,000 *									
91.8	30.0	62,300 *	100.0	30.6	55,100 *	109.2	30.0	48,700 *	117.7	30.0	43,400 *	126.6	30.0	38,800 *									
Reeves			12			Reeves			10			Reeves			10			Reeves			8		

Note: Designed and rated to comply with ANSI Code B30.5
Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
Refer to notes on page 23.

CK2750G-3 CRANE - LIFTING CHART

Main Boom Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

250' Boom			260' Boom			270' Boom			280' Boom			290' Boom		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
49.5	80.0	108,200 *	51.1	80.0	98,500 *	52.8	80.0	90,100 *	54.4	80.0	82,400 *	56.4	80.0	74,500 *
50.0	79.9	108,000 *	55.0	79.1	97,000 *	55.0	79.5	89,200 *	55.0	79.9	82,200 *	60.0	79.3	73,000 *
55.0	78.7	103,100 *	60.0	78.0	93,700	60.0	78.5	86,800 *	60.0	78.9	80,300 *	65.0	78.3	71,200 *
60.0	77.5	95,800	65.0	76.9	85,600	65.0	77.4	83,300 *	65.0	77.8	78,200 *	70.0	77.2	69,500 *
65.0	76.3	87,400	70.0	75.7	78,700	70.0	76.3	77,000	70.0	76.8	74,300 *	75.0	76.2	66,800 *
70.0	75.2	80,300	75.0	74.6	72,500	75.0	75.2	70,800	75.0	75.7	69,400	80.0	75.2	63,100 *
75.0	74.0	74,000	80.0	73.5	66,800	80.0	74.1	65,300	80.0	74.7	64,000	85.0	74.2	58,200 *
80.0	72.8	68,300	85.0	72.3	62,000	85.0	73.0	60,400	85.0	73.6	59,300	90.0	73.2	54,100
85.0	71.6	63,300	90.0	71.1	57,600	90.0	71.9	56,200	90.0	72.5	55,100	95.0	72.1	50,300
90.0	70.3	58,600	95.0	70.0	53,400	95.0	70.7	52,300	95.0	71.4	51,200	100.0	71.1	46,800
95.0	69.1	54,100	100.0	68.8	49,500	100.0	69.6	48,700	100.0	70.4	47,700	110.0	69.0	40,700
100.0	67.9	49,900	110.0	66.4	42,600	110.0	67.3	41,900	110.0	68.2	41,500	120.0	66.8	35,700
110.0	65.4	43,000	120.0	64.0	36,900	120.0	65.0	36,300	120.0	65.9	36,000	130.0	64.7	31,000
120.0	62.8	37,400	130.0	61.5	32,200	130.0	62.6	31,600	130.0	63.7	31,200	140.0	62.4	27,100
130.0	60.2	32,700	140.0	58.9	28,200	140.0	60.2	27,600	140.0	61.4	27,400	150.0	60.2	23,600
140.0	57.5	28,700	150.0	56.3	24,900	150.0	57.7	24,300	150.0	59.0	23,800	160.0	57.9	20,600
150.0	54.8	25,400	160.0	53.6	22,000	160.0	55.2	21,200	160.0	56.6	20,800	170.0	55.5	17,700
160.0	51.9	22,400	170.0	50.8	19,300	170.0	52.5	18,400	170.0	54.1	18,000	180.0	53.1	15,200
170.0	48.9	19,700	180.0	47.9	16,700	180.0	49.8	16,000	180.0	51.5	15,600	190.0	50.5	13,000
180.0	45.8	17,400	190.0	44.8	14,600	190.0	46.9	13,900	190.0	48.8	13,500	200.0	47.9	11,100
190.0	42.5	15,200	200.0	41.6	12,600	200.0	43.9	11,900	200.0	46.0	11,400	210.0	45.2	9,400
200.0	38.9	13,300	210.0	38.1	11,000	210.0	40.8	10,100	210.0	43.1	9,600	220.0	42.3	7,700
210.0	35.1	11,600	220.0	34.3	9,400	220.0	37.4	8,600	220.0	40.0	8,200	230.0	39.3	6,300
220.0	30.8	10,100	230.0	30.2	8,000	230.0	33.7	7,200	230.0	36.7	6,700	236.2	37.3	5,500
221.7	30.0	9,900	230.3	30.0	7,900	239.1	30.0	6,100	240.0	33.1	5,500			
									242.7	32.0	5,200			
Reeves		4	Reeves		4	Reeves		4	Reeves		4	Reeves		4
300' Boom														
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)												
58.0	80.0	68,300 *												
60.0	79.6	67,700 *												
65.0	78.7	65,900 *												
70.0	77.7	64,200 *												
75.0	76.7	62,400 *												
80.0	75.7	60,200 *												
85.0	74.7	56,800 *												
90.0	73.7	52,800 *												
95.0	72.7	49,100 *												
100.0	71.7	45,700												
110.0	69.7	39,600												
120.0	67.6	34,600												
130.0	65.6	30,200												
140.0	63.4	26,500												
150.0	61.3	23,200												
160.0	59.1	19,900												
170.0	56.8	17,100												
180.0	54.5	14,700												
190.0	52.1	12,400												
200.0	49.6	10,400												
210.0	47.1	8,800												
220.0	44.4	7,000												
229.6	41.7	5,200 *												
Reeves		4												

Note: Designed and rated to comply with ANSI Code B30.5
Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
Refer to notes on page 23.

Luffing Boom Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

50' Boom			60' Boom			70' Boom			80' Boom			90' Boom		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
17.7	80.0	330,600 *	19.3	80.0	316,500 *	20.9	80.0	317,000 *	22.9	80.0	317,900 *	24.6	80.0	318,700 *
18.0	79.6	330,600 *	20.0	79.4	316,500 *	22.0	79.3	317,000 *	24.0	79.2	317,700 *	26.0	79.1	317,200 *
19.0	78.4	330,600 *	22.0	77.4	316,500 *	24.0	77.6	317,000 *	26.0	77.7	317,400 *	28.0	77.8	298,600 *
20.0	77.2	330,600 *	24.0	75.4	316,500 *	26.0	75.9	317,000 *	28.0	76.2	299,000 *	30.0	76.4	278,100 *
22.0	74.8	330,600 *	26.0	73.4	316,500 *	28.0	74.1	299,300 *	30.0	74.7	279,000 *	32.0	75.1	259,000 *
24.0	72.3	327,100 *	28.0	71.3	299,200 *	30.0	72.4	279,800 *	32.0	73.2	261,900 *	34.0	73.8	241,100
26.0	69.8	320,200 *	30.0	69.2	280,100 *	32.0	70.6	262,600 *	34.0	71.6	244,200	36.0	72.4	223,900
28.0	67.3	300,900 *	32.0	67.1	263,000 *	34.0	68.8	244,800	36.0	70.1	226,000	38.0	71.0	206,800
30.0	64.6	280,800 *	34.0	64.9	245,200	36.0	67.0	226,400	38.0	68.5	207,800	40.0	69.7	191,300
32.0	62.0	263,700 *	36.0	62.7	226,700	38.0	65.2	208,100	40.0	66.9	191,500	42.0	68.3	179,400
34.0	59.1	245,700	38.0	60.4	208,300	40.0	63.3	191,800	42.0	65.3	179,600	44.0	66.9	167,500
36.0	56.2	227,200	40.0	58.1	192,000	42.0	61.3	179,900	44.0	63.7	167,700	46.0	65.5	155,800
38.0	53.2	208,600	42.0	55.7	180,100	44.0	59.4	168,000	46.0	62.0	156,000	48.0	64.0	147,800
40.0	50.1	192,200	44.0	53.2	168,200	46.0	57.4	156,200	48.0	60.3	148,000	50.0	62.5	139,800
42.0	46.6	180,300	46.0	50.7	156,400	48.0	55.3	148,200	50.0	58.6	140,000	55.0	58.8	122,600
44.0	43.0	168,400	48.0	47.9	148,400	50.0	53.2	140,200	55.0	54.1	122,800	60.0	54.8	108,700
46.0	39.5	156,600	50.0	45.0	140,400	55.0	47.5	123,000	60.0	49.4	108,900	65.0	50.7	97,500
48.0	34.8	146,700	55.0	36.9	122,900	60.0	41.3	109,200	65.0	44.2	97,700	70.0	46.2	88,300
50.0	30.2	136,700	58.7	30.0	111,700	65.0	34.1	97,900	70.0	38.3	88,500	75.0	41.3	80,400
50.1	30.0	135,800 *				67.5	30.0	93,000	75.0	31.6	80,300	80.0	35.9	73,600
									76.1	30.0	78,700	84.6	30.0	67,900
Reeves		12	Reeves		12	Reeves		12	Reeves		12	Reeves		12
100' Boom			110' Boom			120' Boom			130' Boom			140' Boom		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
26.2	80.0	291,400 *	28.2	80.0	255,700 *	29.8	80.0	245,300 *	31.4	80.0	220,400 *	33.1	80.0	209,600 *
28.0	79.0	281,500 *	30.0	79.0	251,000 *	30.0	79.9	244,900 *	32.0	79.8	219,100 *	34.0	79.7	206,500 *
30.0	77.8	269,100 *	32.0	77.9	244,500 *	32.0	78.9	239,600 *	34.0	78.9	212,500 *	36.0	78.9	199,300 *
32.0	76.6	252,900 *	34.0	76.8	233,200	34.0	77.9	229,600 *	36.0	78.0	204,700 *	38.0	78.0	192,100 *
34.0	75.4	237,100	36.0	75.7	218,800	36.0	76.9	216,500 *	38.0	77.1	196,900 *	40.0	77.2	184,000
36.0	74.2	221,300	38.0	74.6	204,500	38.0	76.0	203,400 *	40.0	76.2	188,000	42.0	76.3	174,200
38.0	73.0	205,600	40.0	73.5	190,900	40.0	75.0	190,600	42.0	75.2	176,900	44.0	75.5	164,400
40.0	71.8	191,100	42.0	72.4	179,000	42.0	74.0	178,800	44.0	74.3	165,900	46.0	74.6	154,700
42.0	70.6	179,200	44.0	71.3	167,100	44.0	72.9	166,900	46.0	73.4	154,900	48.0	73.8	146,700
44.0	69.3	167,300	46.0	70.2	155,300	46.0	71.9	155,100	48.0	72.5	146,900	50.0	72.9	138,700
46.0	68.1	155,500	48.0	69.1	147,300	48.0	70.9	147,100	50.0	71.5	138,900	55.0	70.7	121,500
48.0	66.8	147,500	50.0	67.9	139,300	50.0	69.9	139,100	55.0	69.1	121,700	60.0	68.5	107,600
50.0	65.5	139,500	55.0	65.0	122,100	55.0	67.3	121,900	60.0	66.7	107,800	65.0	66.3	96,200
55.0	62.3	122,300	60.0	62.1	108,300	60.0	64.6	108,100	65.0	64.3	96,600	70.0	64.0	86,800
60.0	58.9	108,500	65.0	59.0	97,000	65.0	61.9	96,800	70.0	61.8	87,400	75.0	61.6	78,800
65.0	55.4	97,200	70.0	55.8	87,800	70.0	59.1	87,600	75.0	59.2	79,400	80.0	59.2	71,900
70.0	51.7	88,000	75.0	52.5	79,900	75.0	56.2	79,600	80.0	56.5	72,500	85.0	56.8	66,000
75.0	47.8	80,100	80.0	49.0	73,000	80.0	53.2	72,800	85.0	53.8	66,500	90.0	54.2	60,900
80.0	43.6	73,200	85.0	45.4	67,100	85.0	50.1	66,900	90.0	50.9	61,500	95.0	51.6	56,400
85.0	39.1	67,300	90.0	41.4	62,000	90.0	46.7	61,800	95.0	47.9	57,100	100.0	48.9	52,400
90.0	33.8	62,200	95.0	37.0	57,600	95.0	43.2	57,400	100.0	44.7	53,000	110.0	43.0	45,700
93.5	30.0	59,000	100.0	32.2	53,700	100.0	39.4	53,500	110.0	37.8	46,300	120.0	36.3	40,100
			102.0	30.0	52,200	110.0	30.7	46,800	119.4	30.0	41,000	127.9	30.0	36,300
Reeves		10	Reeves		10	Reeves		10	Reeves		8	Reeves		8

*Note: Designed and rated to comply with ANSI Code B30.5
Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
Refer to notes on page 23.*

CK2750G-3 CRANE - LIFTING CHART

Luffing Boom Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

150' Boom			160' Boom			170' Boom			180' Boom			190' Boom		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
35.1	80.0	182,900 *	36.7	80.0	178,500 *	38.3	80.0	171,700 *	40.3	80.0	161,300 *	41.9	80.0	152,500 *
36.0	79.6	181,000 *	38.0	79.5	174,600 *	40.0	79.5	165,300 *	42.0	79.4	155,200 *	42.0	79.9	152,500
38.0	78.8	176,600 *	40.0	78.8	168,500	42.0	78.8	157,800 *	44.0	78.8	147,800 *	44.0	79.4	145,500
40.0	78.0	171,900	42.0	78.1	162,800	44.0	78.1	150,300 *	46.0	78.1	140,400	46.0	78.8	138,700
42.0	77.3	166,100	44.0	77.3	157,000	46.0	77.4	142,900	48.0	77.5	135,700	48.0	78.1	133,100
44.0	76.5	160,300	46.0	76.6	151,200	48.0	76.7	138,200	50.0	76.8	131,000	50.0	77.5	127,600
46.0	75.7	154,400	48.0	75.8	144,100	50.0	76.0	133,600	55.0	75.1	118,900	55.0	76.0	115,800
48.0	74.9	146,400	50.0	75.1	137,100	55.0	74.2	120,700	60.0	73.5	106,500	60.0	74.4	105,700
50.0	74.1	138,400	55.0	73.2	121,000	60.0	72.5	106,900	65.0	71.8	95,100	65.0	72.8	94,800
55.0	72.1	121,200	60.0	71.3	107,100	65.0	70.7	95,500	70.0	70.1	85,700	70.0	71.2	85,500
60.0	70.0	107,400	65.0	69.4	95,700	70.0	68.9	86,100	75.0	68.4	77,700	75.0	69.6	77,400
65.0	68.0	95,900	70.0	67.5	86,400	75.0	67.0	78,100	80.0	66.6	70,700	80.0	68.0	70,500
70.0	65.8	86,600	75.0	65.5	78,300	80.0	65.2	71,200	85.0	64.9	64,700	85.0	66.3	64,500
75.0	63.7	78,500	80.0	63.5	71,400	85.0	63.3	65,300	90.0	63.1	59,700	90.0	64.6	59,500
80.0	61.5	71,700	85.0	61.4	65,600	90.0	61.3	60,200	95.0	61.3	55,200	95.0	62.9	55,000
85.0	59.3	65,800	90.0	59.3	60,500	95.0	59.4	55,700	100.0	59.4	51,000	100.0	61.2	50,800
90.0	57.0	60,700	95.0	57.2	56,000	100.0	57.4	51,700	110.0	55.6	44,100	110.0	57.6	43,900
95.0	54.6	56,200	100.0	55.0	51,900	110.0	53.2	44,800	120.0	51.5	38,700	120.0	53.9	38,500
100.0	52.2	52,200	110.0	50.4	45,000	120.0	48.7	39,300	130.0	47.3	34,000	130.0	50.0	33,800
110.0	47.1	45,500	120.0	45.4	39,600	130.0	44.0	34,700	140.0	42.6	30,200	140.0	45.9	30,000
120.0	41.4	39,800	130.0	40.0	34,900	140.0	38.7	30,700	150.0	37.5	26,900	150.0	41.4	26,700
130.0	35.0	35,500	140.0	33.7	31,200	150.0	32.7	27,600	160.0	31.7	24,000	160.0	36.4	23,800
136.8	30.0	33,000	145.3	30.0	29,300	154.1	30.0	26,200	162.7	30.0	23,300	170.0	30.8	21,500
												171.2	30.0	21,100
Reeves 7			Reeves 6			Reeves 6			Reeves 6			Reeves 6		
200' Boom														
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)												
43.6	80.0	143,700 *												
44.0	79.9	142,600 *												
46.0	79.3	136,500 *												
48.0	78.7	131,100 *												
50.0	78.1	125,700 *												
55.0	76.7	113,900												
60.0	75.2	103,700												
65.0	73.7	94,200												
70.0	72.2	85,200												
75.0	70.7	77,100												
80.0	69.1	70,100												
85.0	67.6	64,200												
90.0	66.0	59,100												
95.0	64.4	54,500												
100.0	62.8	50,400												
110.0	59.5	43,700												
120.0	56.0	38,000												
130.0	52.4	33,300												
140.0	48.7	29,400												
150.0	44.6	26,100												
160.0	40.3	23,300												
170.0	35.5	20,800												
180.0	29.9	18,500												
180.1	29.9	18,500												
Reeves 5														

Note: Designed and rated to comply with ANSI Code B30.5
Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
Refer to notes on page 23.

Fixed Jib Lift Capacity (without main hook)

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

250' Boom																										
40 ft Jib						60 ft Jib						80 ft Jib						100 ft Jib								
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)								
10			30			10			30			10			30			10			30					
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
62.0	80.0	58,200*				68.9	80.0	46,500*				75.8	80.0	26,400*				82.7	80.0	14,700*						
65.0	79.4	57,600*				70.0	79.8	46,200*				80.0	79.2	26,100*				85.0	79.6	14,500*						
70.0	78.4	56,600*	74.1	80.0	42,100*	75.0	78.8	45,200*				85.0	78.3	25,600*				90.0	78.8	14,200*						
75.0	77.4	55,600*	75.0	79.8	42,000*	80.0	77.9	44,300*				90.0	77.5	25,000*				95.0	77.9	13,800*						
80.0	76.4	54,600*				85.0	76.9	43,400*	86.9	80.0	29,700*	95.0	76.6	24,700*				99.7	80.0	17,600*	100.0	77.1	13,500*			
85.0	75.4	53,800*	85.0	77.7	41,200*	90.0	76.0	42,600*	90.0	79.4	29,700*	100.0	75.7	24,300*	100.0	79.9	17,600*	110.0	75.4	13,000*	112.5	80.0	9,400*			
90.0	74.3	53,000*	90.0	76.7	40,700*	95.0	75.0	41,800*	95.0	78.4	29,600*	110.0	73.8	23,400*	110.0	78.1	17,200*	120.0	73.6	12,500*	120.0	78.7	9,200*			
95.0	73.3	50,300	95.0	75.7	40,100*	100.0	74.1	41,000*	100.0	77.4	29,400*	120.0	72.0	22,500*	120.0	76.2	16,800*	130.0	71.9	11,900*	130.0	76.9	9,000*			
100.0	72.3	46,800	100.0	74.6	39,400*	110.0	72.1	39,600*	110.0	75.4	28,900*	130.0	70.1	21,900*	130.0	74.3	16,300*	140.0	70.1	11,500*	140.0	75.1	8,700*			
110.0	70.2	41,100	110.0	72.5	37,700*	120.0	70.2	37,500*	120.0	73.4	28,300*	140.0	68.3	21,200*	140.0	72.4	16,000*	150.0	68.4	11,000*	150.0	73.3	8,500*			
120.0	68.0	36,300	120.0	70.3	36,300	130.0	68.2	32,900	130.0	71.4	27,200*	150.0	66.4	20,500*	150.0	70.4	15,600*	160.0	66.5	10,700*	160.0	71.4	8,300*			
130.0	65.9	31,800	130.0	68.1	33,300	140.0	66.1	28,900	140.0	69.3	26,200*	160.0	64.4	19,800*	160.0	68.4	15,300*	170.0	64.7	10,300*	170.0	69.5	8,100*			
140.0	63.7	27,800	140.0	65.9	29,100	150.0	64.1	25,400	150.0	67.2	25,400*	170.0	62.4	19,200*	170.0	66.4	15,000*	180.0	62.8	9,800*	180.0	67.6	8,000*			
150.0	61.4	24,300	150.0	63.6	25,600	160.0	62.0	22,400	160.0	65.1	24,100*	180.0	60.4	18,400*	180.0	64.3	14,700*	190.0	60.9	9,700*	190.0	65.6	7,700*			
160.0	59.1	21,300	160.0	61.2	22,400	170.0	59.8	19,700	170.0	62.8	21,700*	190.0	58.4	16,800*	190.0	62.2	14,500*	200.0	59.0	9,300*	200.0	63.6	7,700*			
170.0	56.8	18,800	170.0	58.8	19,700	180.0	57.6	17,500	180.0	60.6	19,300	200.0	56.2	14,900	200.0	60.0	14,200*	210.0	57.0	9,000*	210.0	61.5	7,400*			
180.0	54.4	16,500	180.0	56.4	17,400	190.0	55.4	15,400	190.0	58.3	17,000	210.0	54.1	13,200	210.0	57.7	14,100*	220.0	55.0	8,700*	220.0	59.4	7,300*			
190.0	51.9	14,300	190.0	53.8	15,200	200.0	53.0	13,500	200.0	55.9	15,100	220.0	51.8	11,600	220.0	55.4	12,900	230.0	52.9	8,500*	230.0	57.2	7,200*			
200.0	49.3	12,600	200.0	51.1	13,300	210.0	50.6	11,900	210.0	53.4	13,400	230.0	49.5	10,300	230.0	53.0	11,400	240.0	50.7	8,200*	240.0	54.9	7,200*			
210.0	46.6	11,000	210.0	48.4	11,600	220.0	48.1	10,400	220.0	50.8	11,700	240.0	47.1	9,000	240.0	50.5	10,000	250.0	48.5	8,100*	250.0	52.6	7,200*			
220.0	43.7	9,500	220.0	45.4	9,900	230.0	45.5	9,000	230.0	48.1	10,300	250.0	44.6	7,800	250.0	47.8	8,700	260.0	46.1	7,400*	260.0	50.1	7,000*			
230.0	40.7	8,100	230.0	42.3	8,500	240.0	42.8	7,800	240.0	45.2	8,900	260.0	41.9	6,800	260.0	45.0	7,600	270.0	43.7	6,500	270.0	47.6	6,900*			
240.0	37.5	6,900	240.0	39.0	7,300	250.0	39.9	6,700	250.0	42.2	7,600	270.0	39.1	5,800	270.0	42.0	6,500	280.0	41.1	5,600	280.0	44.8	6,300*			
250.0	34.0	5,800	250.0	35.3	6,100	260.0	36.8	5,700	260.0	38.9	6,500	280.0	36.1	4,900	280.0	38.8	5,500	290.0	38.4	4,700	290.0	41.9	5,600			
260.0	30.2	4,800	260.0	31.2	5,000	270.0	33.4	4,700	270.0	35.3	5,400	290.0	32.9	4,100	290.0	35.3	4,500	300.0	35.5	3,900	300.0	38.7	4,700			
260.4	30.0	4,800	262.7	30.0	4,800	279.1	30.0	3,900	280.0	31.2	4,400	297.9	30.0	3,300	300.0	31.2	3,600	310.0	32.3	3,400	310.0	35.2	3,800			
									282.8	30.0	4,100							302.8	30.0	3,300	316.9	30.0	2,800			
Reeves	2	Reeves	2	Reeves	2	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	Reeves	1	

*Note: Designed and rated to comply with ANSI Code B30.5
Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
Refer to notes on page 23.*

Clamshell

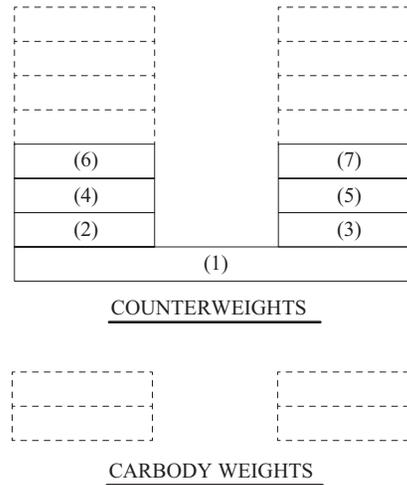
1. Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
2. Rated loads do not exceed 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.
3. The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
 - The crane must be leveled to within 1% on a firm supporting.
 - 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 105,570 lbs (6) Counterweights installed, and without carbody weights.
4. Do not attempt to lift where no radius on load is listed as crane may tip or collapse.
5. Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine rated loads.
6. Weight of bucket, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
7. The boom should be erected over the front of the crawlers, not laterally.
8. Least stable position is over the side.

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

Maximum Load Per Line

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

10. Rated loads listed apply only to the machine as originally manufactured and designed by KOBELCO CONSTRUCTION MACHINERY CO., LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.
11. Assembling the counterweight
 - 105,570 lbs Counterweight
 - Without carbody counterweight.



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 : 50 ft (15.2 m)

Max. boom length : 120 ft (36.6 m)

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

Optional tagline : Hydraulic operated type and spring type.

Boom Component Chart :

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

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

Counterweights : 105,570 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)
26.0	66.3	29,500 *	30.0	66.3	29,500 *	34.0	66.3	29,500 *
28.0	63.7	29,500 *	32.0	64.2	29,500 *	36.0	64.5	29,500 *
30.0	61.1	29,500 *	34.0	62.0	29,500 *	38.0	62.7	29,500 *
32.0	58.4	29,500 *	36.0	59.8	29,500 *	40.0	60.8	29,500 *
34.0	55.6	29,500 *	38.0	57.5	29,500 *	45.0	55.9	29,500 *
36.0	52.7	29,500 *	40.0	55.2	29,500 *	50.0	50.7	29,500 *
38.0	49.7	29,500 *	45.0	49.0	29,500 *	55.0	45.1	29,500 *
40.0	46.6	29,500 *	50.0	42.2	29,500 *	60.0	38.8	29,500 *
45.0	37.7	29,500 *	55.0	34.2	29,500 *	65.0	31.5	29,500 *

Refer to notes on page 38.

CK2750G-3 CLAMSHELL DATA

Clamshell

Counterweights : 105,570 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)
38.0	66.3	29,500 *	45.0	64.2	29,500 *	50.0	63.8	29,500 *
40.0	64.7	29,500 *	50.0	60.6	29,500 *	55.0	60.5	29,500 *
45.0	60.7	29,500 *	55.0	56.8	29,500 *	60.0	57.2	29,500 *
50.0	56.4	29,500 *	60.0	52.9	29,500 *	65.0	53.7	29,500 *
55.0	52.0	29,500 *	65.0	48.7	29,500 *	70.0	50.0	29,500 *
60.0	47.2	29,500 *	70.0	44.3	29,500 *	75.0	46.1	29,500 *
65.0	42.0	29,500 *	75.0	39.4	29,500 *	80.0	41.9	29,500 *
70.0	36.2	29,500 *	80.0	34.0	29,500 *	85.0	37.3	29,500 *
						90.0	32.2	29,500 *
110' Boom			120' Boom					
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)			
50.0	66.4	29,500 *	55.0	65.8	29,500 *			
55.0	63.5	29,500 *	60.0	63.2	29,500 *			
60.0	60.5	29,500 *	65.0	60.5	29,500 *			
65.0	57.4	29,500 *	70.0	57.6	29,500 *			
70.0	54.3	29,500 *	75.0	54.8	29,500 *			
75.0	50.9	29,500 *	80.0	51.7	29,500 *			
80.0	47.5	29,500 *	85.0	48.6	29,500 *			
85.0	43.8	29,500 *	90.0	45.3	29,500 *			
90.0	39.8	29,500 *	95.0	41.8	27,900			
95.0	35.5	27,700	100.0	38.0	25,700			
100.0	30.6	25,700	105.0	33.9	23,800			

Refer to notes on page 38.

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 200,650 lbs (15) Counterweights fully installed.
- Must have 60,240 lbs (4) 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)	700	Not Applicable			

- 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 700 lbs deducted from rated load for the boom without auxiliary sheave, but it should not exceed 59,500 lbs.

- Boom lengths that can attach auxiliary sheave are from 50 ft (15.2 m) to 290 ft (88.4 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)	29,700	59,500	89,200	119,000	148,800

No. of Parts of line	6	7	8	10	12
Maximum Loads (lbs)	178,500	208,300	238,000	297,600	352,700

No. of Parts of line	14	16	18	20	22
Maximum Loads (lbs)	403,400	451,900	500,400	529,100	550,000

Maximum Load Auxiliary Sheave

No. of Parts of line	1	2
Maximum Loads (lbs)	29,700	59,500

- Weight of recommended hook block.

Hook Block	275 t	165 t	110 t	77 t	39 t	15 t ball hook
Weight (lbs)	9,260	5,075	3,970	2,650	1,990	1,000

WARNING

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

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

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

CK2750G-3 CRANE - LIFTING CHART

Barge

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

290' Boom					300' Boom					360° Rated Load (lbs)							
360° Rated Load (lbs)					360° Rated Load (lbs)					360° Rated Load (lbs)							
Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	3 Degree Machine List
56.4	80.0	74,500 *				58.0	80.0	68,300 *									
60.0	79.3	73,000 *				60.0	79.6	67,700 *									
65.0	78.3	71,200 *				65.0	78.7	65,900 *									
70.0	77.2	69,500 *				70.0	77.7	64,200 *									
75.0	76.2	66,800 *				75.0	76.7	62,400 *									
80.0	75.2	63,100 *	44,600 *			80.0	75.7	60,200 *	41,400 *								
85.0	74.2	58,200 *	42,900 *			85.0	74.7	56,800 *	39,500 *								
90.0	73.1	54,100	41,000 *			90.0	73.7	52,800 *	37,700 *								
95.0	72.1	50,300	39,000 *	26,800 *		95.0	72.7	49,100 *	35,800 *	24,400 *							
100.0	71.1	46,800	37,200 *	25,500 *		100.0	71.7	45,700	34,000 *	23,300 *							
110.0	69.0	40,700	33,500 *	23,300 *	17,100 *	110.0	69.7	39,600	30,500 *	21,300 *	15,400 *						
120.0	66.8	35,700	30,200 *	21,100 *	15,600 *	120.0	67.6	34,600	27,500 *	19,100 *	13,800 *						
130.0	64.7	31,000	26,800 *	19,100 *	14,200 *	130.0	65.6	30,200	24,400 *	17,100 *	12,300 *						
140.0	62.4	27,100	24,000 *	16,900 *	12,700 *	140.0	63.4	26,500	21,600 *	15,200 *	10,800 *						
150.0	60.2	23,600	21,100 *	15,300 *	11,100 *	150.0	61.3	23,200	18,900 *	13,200 *	9,600 *						
160.0	57.9	20,600	18,700	13,400 *	9,900 *	160.0	59.1	19,900	16,500 *	11,400 *	8,000 *						
170.0	55.5	17,700	16,300	11,600 *	8,400 *	170.0	56.8	17,100	14,100 *	9,800 *	6,800 *						
180.0	53.1	15,200	13,800	9,800 *	7,100 *	180.0	54.5	14,700	11,900 *	8,100 *	5,500 *						
190.0	50.5	13,000	12,000	8,400 *	5,900 *	190.0	52.1	12,400	9,900 *	6,500 *							
200.0	47.9	11,100	10,100	6,800 *		200.0	49.6	10,400	8,100 *								
210.0	45.2	9,400	8,300 *	5,300 *		210.0	47.1	8,800	6,300 *								
220.0	42.3	7,700	6,500 *			220.0	44.4	7,000									
230.0	39.3	6,300															
Reeves		4	2	2	2	Reeves		3	2	2	2						

Refer to notes on page 41.

General Description

<i>Luffing boom with luffing jib maximum lift capacity</i>	275,500 lbs (125,000 kg) @ 28' operating radius
<i>Luffing jib maximum lift capacity</i>	176,300 lbs (80,000 kg) @ 32' operating radius
<i>Maximum luffing boom length</i>	200' (61.0 m)
<i>Maximum luffing jib length</i>	200' (61.0 m)
<i>Working weight</i>	Approx. 508,175 lbs (230,500 kg)
<i>Ground bearing pressure</i>	Approx. 15.6 psi (107.6 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, 70' boom + 70' jib, and hook block.

Luffing Attachments

Luffing boom :

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

<i>Maximum boom length</i>	200' (61.0 m)
<i>Basic boom length</i>	70' (21.3 m)
<i>Boom base section</i>	25' (7.6 m)
<i>Boom insert section</i>	10' (3.0 m), 20' (6.1 m), 40' (12.2 m)
<i>Tapered Boom Insert</i>	11' 10" (3.6 m)
<i>Boom tip section (with pin connected boom point sheave)</i>	3' 3" (1.0 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. Each insert features boom pin holders, pendant line transport holders, catwalks, and lift lugs for rigging straps.

<i>Boom insert</i>	10' (3.0 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>Maximum luffing jib length</i>	200' (61.0 m)
<i>Basic luffing jib length</i>	70' (21.3 m)
<i>Jib base section</i>	30' (9.1 m)
<i>Luffing jib insert</i>	10' (3.0 m), 20' (6.1 m), 40' (12.2 m)
<i>Jib tip section</i>	30' (9.1 m)
<i>No. of point sheaves</i>	2

Working Speed

<i>Hoist line speed (front and rear drums)</i>	360 to 10 ft/min (110 to 3 m/min)
<i>Lowering line speed (front and rear drums)</i>	360 to 10 ft/min (110 to 3 m/min)
<i>Boom hoist line speed</i>	72 to 6.6 ft/min x 2 (22 to 2 m/min x 2) 2 minutes: 250' (76.2 m) boom raise 0 to 80 degrees
<i>Boom lowering line speed</i>	72 to 6.6 ft/min x 2 (22 to 2 m/min x 2)
<i>Swing speed (max.)</i>	2.2 rpm (2.2 min ⁻¹)
<i>Travel speed (high/low)</i>	0.69/0.44 mph (1.0/0.5 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 (10 parts)</i>	22 mm
<i>Boom hoist rope (16 parts)</i>	26 mm
<i>Boom suspension rope</i>	38 mm
<i>Luffing jib suspension rope</i>	38 mm
<i>Strut suspension rope</i>	38 mm
<i>Luffing jib center hitch suspension</i>	26 mm
<i>(luffing jib length of 170' (51.8 m) or longer)</i>	

Luffing boom hoist reeving :

Sixteen (16) parts of 26 mm dia. high strength wire rope.

Luffing jib hoist reeving :

Ten (10) parts of 22 mm dia. high strength wire rope.

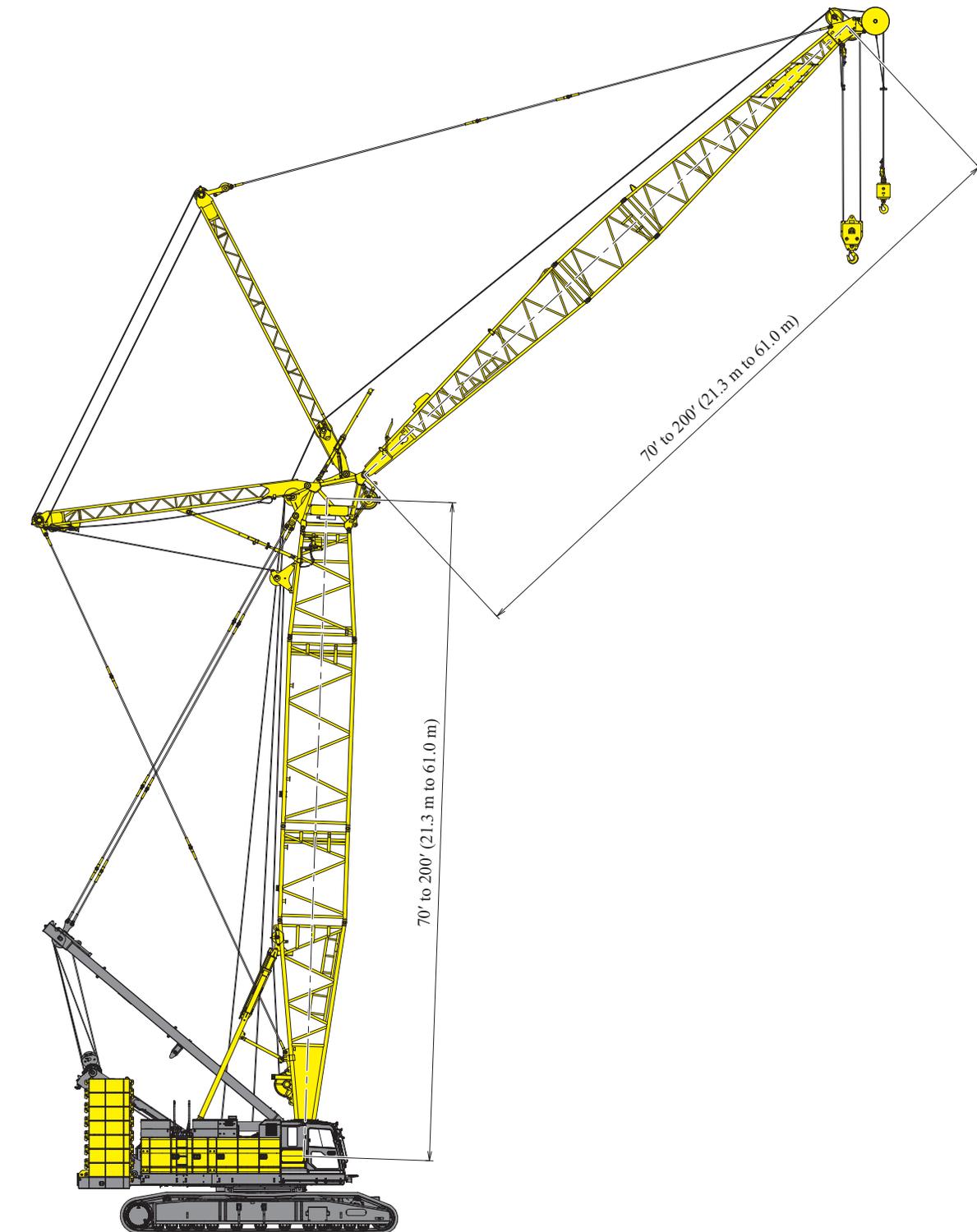
Luffing jib hoist drum :

<i>Hoist drum</i>	(Third drum on straight crane) Powered by hydraulic motor through planetary reducer.
<i>Drum</i>	Single drum grooved for 22 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 counterbalance valve. External ratchet for locking drum.

CK2750G-3 LUFFING BOOM/JIB - GENERAL DIMENSIONS

Luffing Jib

Unit : ft (m)



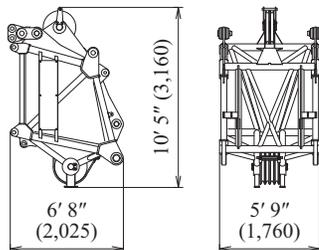
CK2750G-3

LUFFING BOOM/JIB - DIMENSIONS & WEIGHT

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

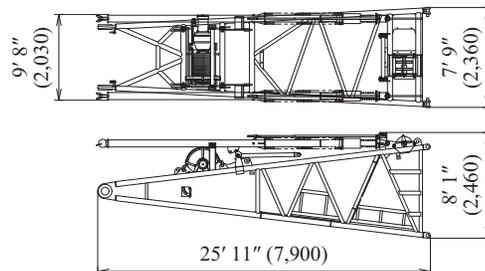
Luffing Boom Tip

Weight: 4,595 lbs (2,085 kg)



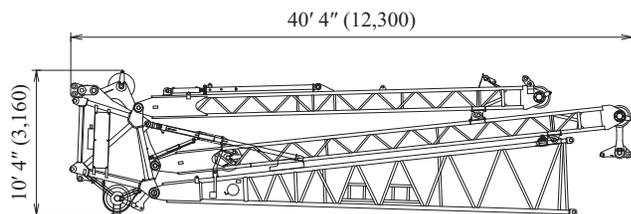
Luffing Boom Base (with winch)

Weight: 15,015 lbs (6,810 kg)



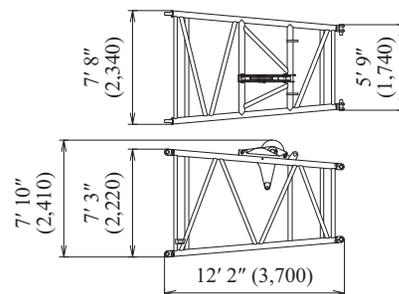
Luffing Boom Tip Assembly

Weight: 14,840 lbs (6,730 kg)



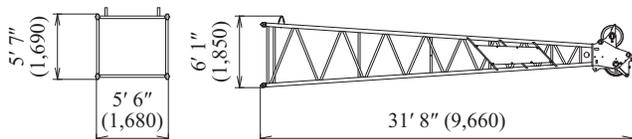
Luffing Taper Boom Insert

Weight: 2,625 lbs (1,190 kg)



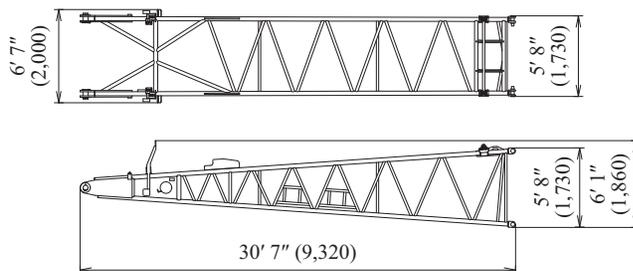
Luffing Jib Tip

Weight: 3,085 lbs (1,400 kg)



Luffing Jib Base

Weight: 3,240 lbs (1,470 kg)



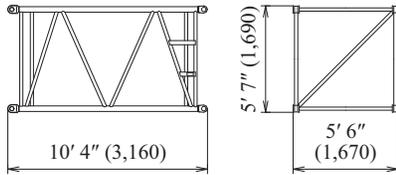
CK2750G-3 LUFFING BOOM/JIB - DIMENSIONS & WEIGHT

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

10 ft (3.0 m) Luffing Jib Insert

Weight: 920 lbs (420 kg)

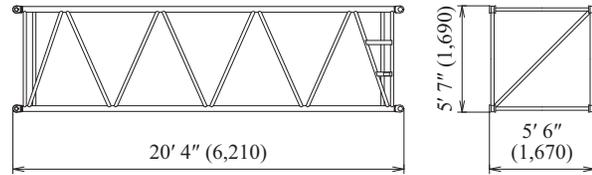
Includes cable roller and guy lines



20 ft (6.1 m) Luffing Jib Insert

Weight: 1,475 lbs (670 kg)

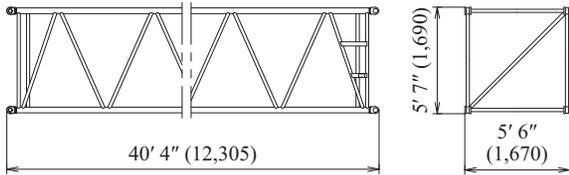
Includes cable roller and guy lines



40 ft (12.2 m) Luffing Jib Insert

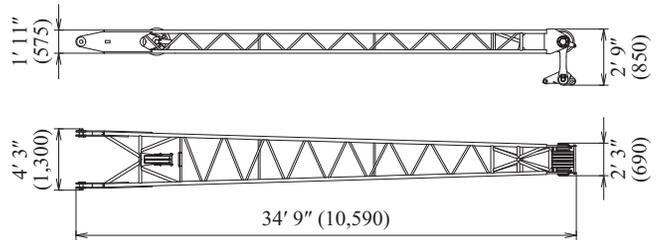
Weight: 2,590 lbs (1,175 kg)

Includes cable roller and guy lines



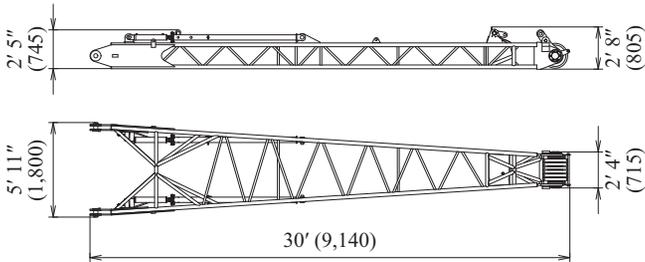
Front Strut (luffing jib)

Weight: 3,110 lbs (1,410 kg)



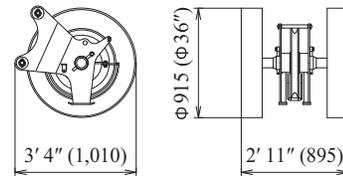
Rear Strut (luffing jib)

Weight: 3,330 lbs (1,510 kg)



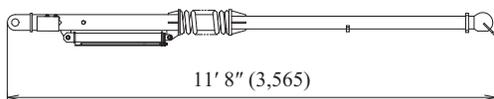
Auxiliary Sheave (luffing jib)

Weight: 840 lbs (380 kg)



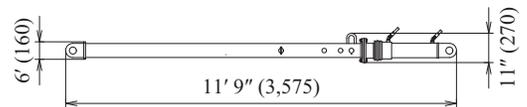
Luffing Jib Backstop (L/R)

Weight: 290 lbs (130 kg)

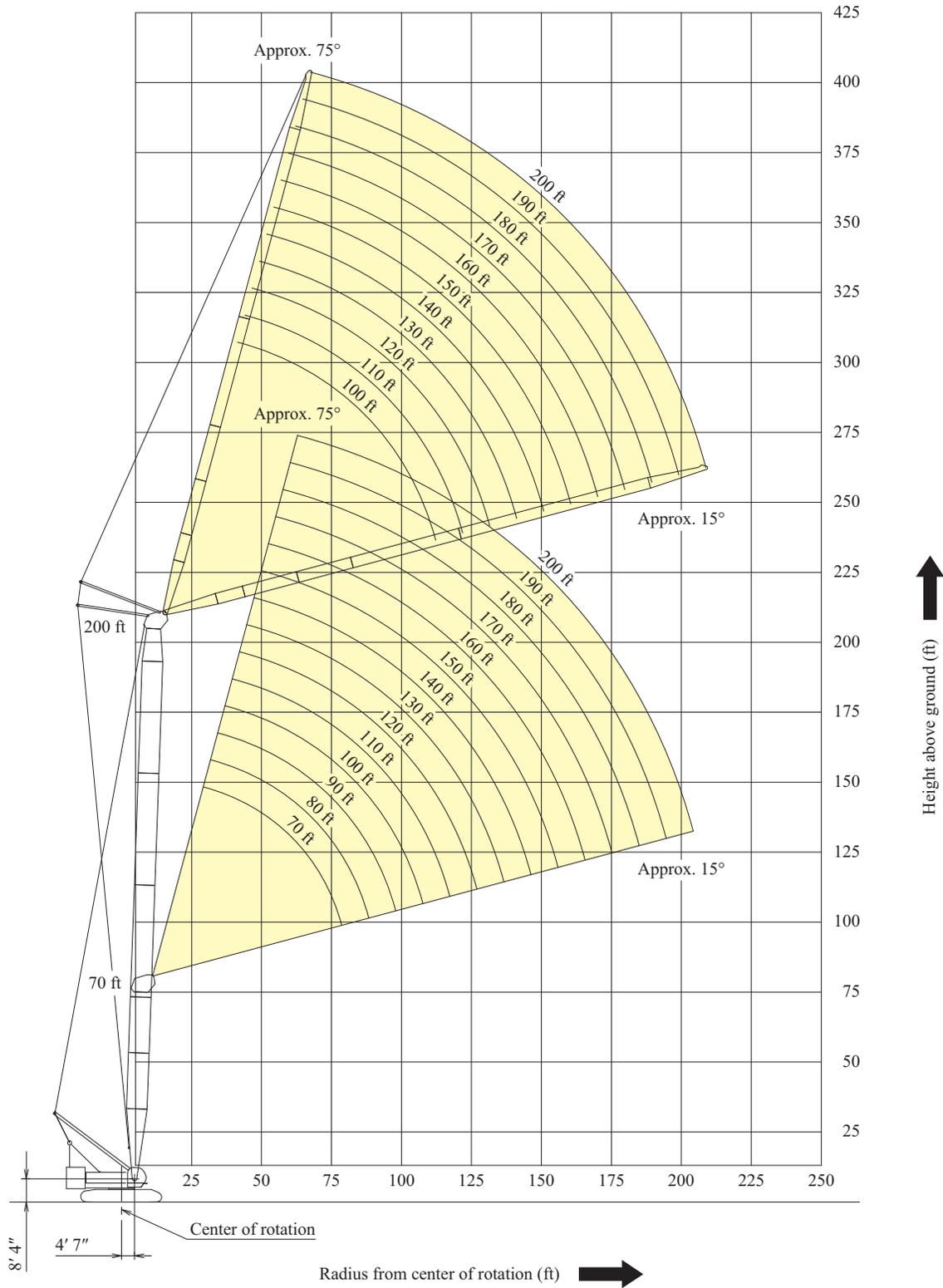


Luffing Jib Strut Backstop (L/R)

Weight: 144 lbs (65 kg)

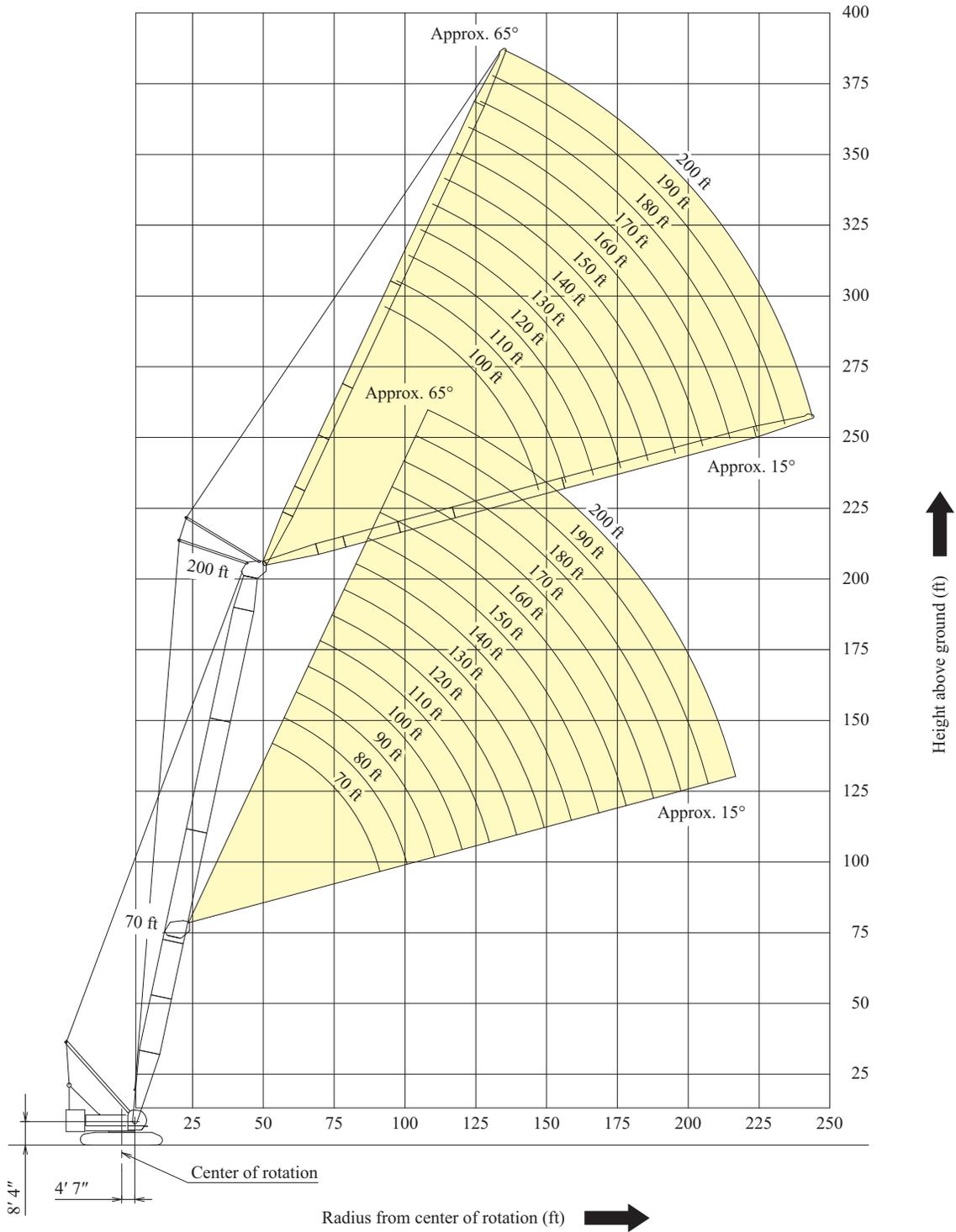


Luffing Jib 88°

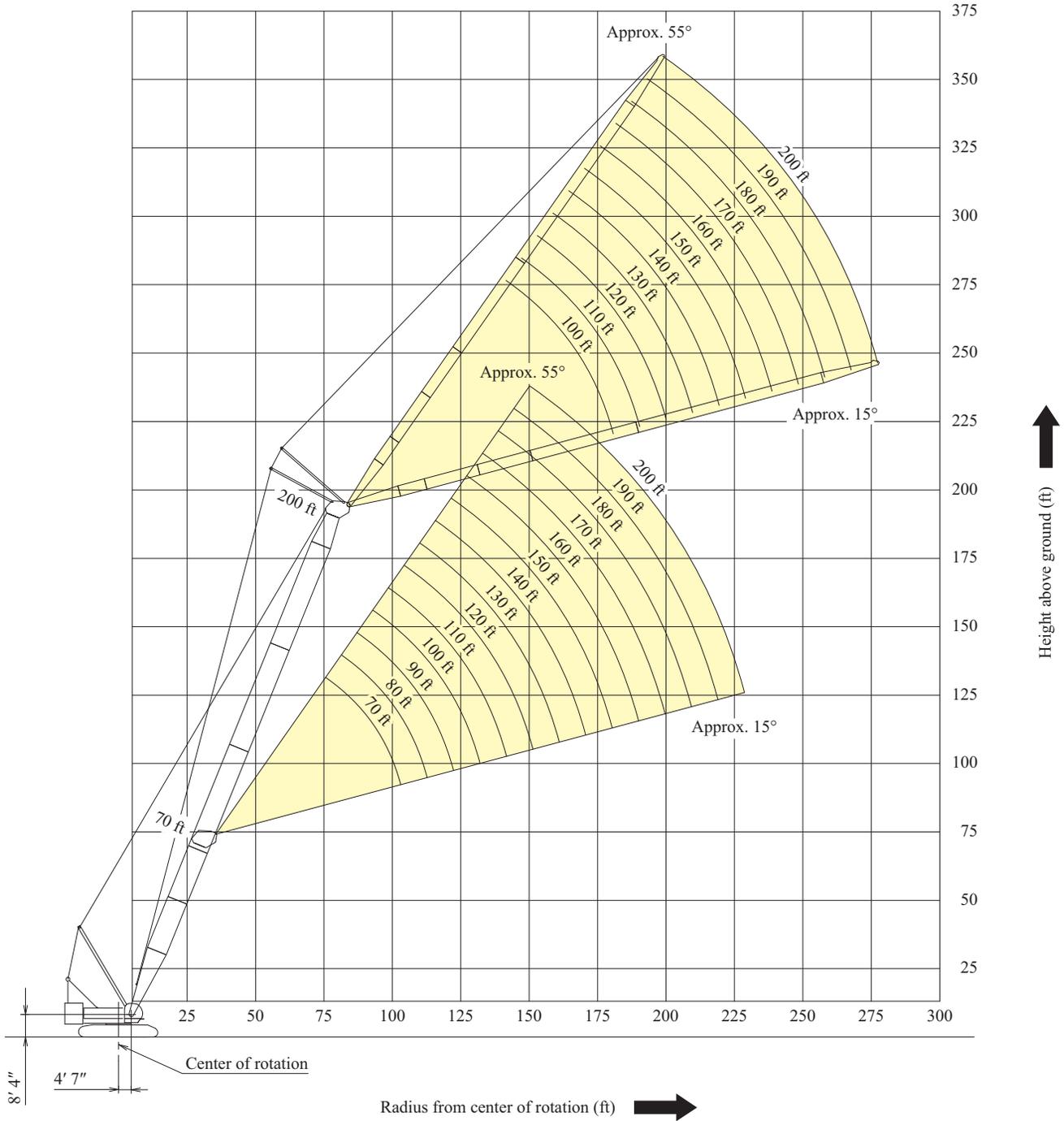


CK2750G-3 LUFFING BOOM/JIB - WORKING RANGES

Luffing Jib 78°



Luffing Jib 68°



Luffing Boom Arrangement

Boom length : ft (m)	Boom arrangement
70 (21.3)	
80 (24.4)	※
90 (27.4)	※
100 (30.5)	※
110 (33.5)	※
120 (36.6)	※
130 (39.6)	※
140 (42.7)	※
150 (45.7)	※

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

※ mark shows the standard luffing boom arrangement which enables each boom length of less than that boom length to be configured.

Symbol	Boom Length	Remarks
	25 ft (7.6 m)	Boom Base
	3 ft 3 in (1.0 m)	Luffing Boom Tip
	11 ft 10 in (3.6 m)	Taper Boom Insert
	10 ft (3.0 m)	Boom Insert
	20 ft (6.1 m)	Boom Insert
	40 ft (12.2 m)	Boom Insert

Luffing Jib Arrangement

Jib length : ft (m)	Jib arrangement
70 (21.3)	
80 (24.4)	※
90 (27.4)	※
100 (30.5)	※
110 (33.5)	※
120 (36.6)	※
130 (39.6)	※
140 (42.7)	※
150 (45.7)	※

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

Symbol	Jib Length	Remarks
	30 ft (9.1 m)	Jib Base
	10 ft (3.0 m)	Jib Insert
	20 ft (6.1 m)	Jib Insert
	40 ft (12.2 m)	Jib Insert
	10 ft (3.0 m)	Special Jib Insert
	30 ft (9.1 m)	Jib Tip

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

LUFFING BOOM/JIB - SUPPLEMENTAL DATA

1. Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or derate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
2. Rated loads do not exceed 75% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
3. The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
 - Boom backstops are required for all boom lengths.
 - Gantry must be fully raised position for all operations.
 - The crane must be leveled to within 1% on a firm supporting surface.
4. Do not attempt to lift where no ratings are shown as crane may tip or collapse.
5. Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine capacity.
6. Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
7. The total load that can be lifted over a jib is limited by rated jib loads.
8. The total load that can be lifted over an auxiliary sheave should not exceed 29,700 lbs.

9. Luffing boom and jib combinations.

Boom Length (ft)	Jib Length (ft)															
	70	80	90	100	110	120	130	140	150	160	170	180	190	200		
70	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
80	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
90	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
110	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
120	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
130	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
140	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
150	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
160	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
170	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
180	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
190	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
200	×	×	×	○	○	○	○	○	○	○	○	○	○	○	○	

○ : Combinations which is allowed.

× : Combinations which is not allowed.

10. 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.
11. The boom should be erected over the front of the crawlers, not laterally. When erecting and lowering the boom length of 180 ft (54.9 m) or over, the blocks for erection must be placed at the end of the crawlers.
12. Least stable position is over the side.
13. The minimum rated load is 4,000 lbs (1.8 t).

CK2750G-3

LUFFING BOOM/JIB - SUPPLEMENTAL DATA

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

(1) Luffing Jib

Boom Length (ft)	Jib Length (ft)															
	70	80	90	100	110	120	130	140	150	160	170	180	190	200		
70	6	6	6	5	4	4	3	3	3	2	2	2	2	2		
80	6	6	6	5	4	4	3	3	3	2	2	2	2	2		
90	6	5	5	5	4	4	3	3	3	2	2	2	2	2		
100	6	5	5	5	4	4	3	3	3	2	2	2	2	2		
110	5	5	5	4	4	4	3	3	3	2	2	2	2	2		
120	5	5	4	4	4	4	3	3	3	2	2	2	2	2		
130	5	4	4	4	4	3	3	3	3	2	2	2	2	2		
140	4	4	4	4	3	3	3	3	3	2	2	2	2	2		
150	4	4	4	3	3	3	3	3	3	2	2	2	2	2		
160	4	4	3	3	3	3	3	3	2	2	2	2	2	2		
170	4	3	3	3	3	3	3	2	2	2	2	2	2	2		
180	3	3	3	3	3	3	2	2	2	2	2	2	2	2		
190	3	3	3	3	3	2	2	2	2	2	2	2	2	2		
200	×	×	×	3	2	2	2	2	2	2	2	2	2	2		

× : Combinations which is not allowed.

(2) Main boom with luffing jib

Boom Length (ft)	Jib Length (ft)															
	70	80	90	100	110	120	130	140	150	160	170	180	190	200		
70	10	10	10	10	10	10	10	10	10	8	8	8	8	8		
80	10	10	10	10	10	10	10	10	10	10	10	8	8	8		
90	10	10	10	10	10	10	10	10	8	8	8	8	8	8		
100	10	10	10	8	8	8	8	8	8	8	8	8	7	7		
110	8	8	8	8	7	7	7	7	7	7	7	7	6	6		
120	7	7	7	7	7	7	7	6	6	6	6	6	6	6		
130	7	7	6	6	6	6	6	6	6	6	5	5	5	5		
140	6	6	5	5	5	5	5	5	5	5	5	5	5	4		
150	5	5	5	5	5	5	5	5	5	4	4	4	4	4		
160	5	5	5	5	5	5	5	5	5	4	4	4	4	4		
170	5	5	5	5	5	5	5	5	5	4	4	4	4	4		
180	4	4	4	4	4	4	4	4	4	4	3	3	3	3		
190	4	4	4	4	4	4	4	4	4	4	3	3	3	3		
200	×	×	×	4	4	4	4	4	4	3	3	3	3	3		

× : Combinations which is not allowed.

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

Main Boom Hoist Loads

No. of Parts of Line	1	2	3	4	5
Maximum Loads (lbs)	29,700	59,500	89,200	119,000	148,800
Maximum Loads (t)	13.5	27.0	40.5	54.0	67.5

No. of Parts of Line	6	7	8	10
Maximum Loads (lbs)	178,500	208,300	238,000	275,500
Maximum Loads (t)	81.0	94.5	108.0	125.0

Jib Hoist Loads

No. of Parts of Line	1	2	3	4	5	6
Maximum Loads (lbs)	29,700	59,500	89,200	119,000	148,800	176,300
Maximum Loads (t)	13.5	27.0	40.5	54.0	67.5	80.0

Auxiliary Hoist Loads

No. of Parts of Line	1
Maximum Loads (lbs)	29,700
Maximum Loads (t)	13.5

16. Hook blocks that weight is close to the value shown below must be used.

Hook Block	275 t	165 t	110 t	77 t	39 t	15 t ball hook
Weight (lbs)	9,260	5,075	3,970	2,650	1,990	1,000



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

17. The total load that can be lifted over an luffing jib with main hook block is the value for 5,100 lbs deducted from rated load for the luffing jib without main hook block.

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

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

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

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

70' Boom											
70 ft Jib			80 ft Jib			90 ft Jib			100 ft Jib		
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	79.3	275,500 *	22.0	79.3	270,200 *	22.0	79.3	264,500 *	22.0	79.3	262,300 *
24.0	77.6	275,500 *	24.0	77.6	270,200 *	24.0	77.6	264,500 *	24.0	77.6	262,300 *
26.0	75.9	275,500 *	26.0	75.9	270,200 *	26.0	75.9	264,500 *	26.0	75.9	262,300 *
28.0	74.1	259,900 *	28.0	74.1	254,900 *	28.0	74.1	249,700 *	28.0	74.1	247,700 *
30.0	72.4	242,300 *	30.0	72.4	237,700 *	30.0	72.4	232,900 *	30.0	72.4	231,100 *
32.0	70.6	225,600 *	32.0	70.6	221,100 *	32.0	70.6	216,600 *	32.0	70.6	214,900 *
34.0	68.8	208,200	34.0	68.8	203,800	34.0	68.8	199,500	34.0	68.8	197,800
36.0	67.0	190,200	36.0	67.0	186,000	36.0	67.0	181,700	36.0	67.0	180,100
38.0	65.2	172,300	38.0	65.2	168,200	38.0	65.2	164,000	38.0	65.2	162,400
40.0	63.3	156,300	40.0	63.3	152,400	40.0	63.3	148,200	40.0	63.3	146,700
42.0	61.3	144,700	42.0	61.3	140,800	42.0	61.3	136,800	42.0	61.3	135,400
44.0	59.4	133,100	44.0	59.4	129,300	44.0	59.4	125,400	44.0	59.4	124,000
46.0	57.4	121,600	46.0	57.4	117,900	46.0	57.4	114,100	46.0	57.4	112,800
48.0	55.3	113,900	48.0	55.3	110,300	48.0	55.3	106,600	48.0	55.3	105,300
50.0	53.2	106,300	50.0	53.2	102,700	50.0	53.2	99,100	50.0	53.2	97,700
55.0	47.5	89,800	55.0	47.5	86,400	55.0	47.5	82,900	55.0	47.5	81,700
Reeves		10	Reeves		10	Reeves		10	Reeves		10

70' Boom											
110 ft Jib			120 ft Jib			130 ft Jib			140 ft Jib		
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	79.3	259,900 *	22.0	79.3	255,900 *	22.0	79.3	251,500 *	22.0	79.3	246,600 *
24.0	77.6	259,900 *	24.0	77.6	255,900 *	24.0	77.6	251,500 *	24.0	77.6	246,600 *
26.0	75.9	259,900 *	26.0	75.9	255,900 *	26.0	75.9	251,500 *	26.0	75.9	246,600 *
28.0	74.1	245,600 *	28.0	74.1	242,000 *	28.0	74.1	238,100 *	28.0	74.1	233,800 *
30.0	72.4	229,400 *	30.0	72.4	226,100 *	30.0	72.4	222,600 *	30.0	72.4	218,800 *
32.0	70.6	213,100 *	32.0	70.6	210,000 *	32.0	70.6	206,400 *	32.0	70.6	202,800 *
34.0	68.8	196,000	34.0	68.8	193,000	34.0	68.8	189,500	34.0	68.8	186,000
36.0	67.0	178,400	36.0	67.0	175,400	36.0	67.0	172,100	36.0	67.0	168,700
38.0	65.2	160,800	38.0	65.2	157,900	38.0	65.2	154,700	38.0	65.2	151,400
40.0	63.3	145,200	40.0	63.3	142,300	40.0	63.3	139,300	40.0	63.3	136,000
42.0	61.3	133,900	42.0	61.3	131,000	42.0	61.3	128,000	42.0	61.3	124,800
44.0	59.4	122,600	44.0	59.4	119,800	44.0	59.4	116,700	44.0	59.4	113,700
46.0	57.4	111,500	46.0	57.4	108,600	46.0	57.4	105,500	46.0	57.4	102,700
48.0	55.3	103,900	48.0	55.3	101,100	48.0	55.3	98,100	48.0	55.3	95,300
50.0	53.2	96,400	50.0	53.2	93,700	50.0	53.2	90,700	50.0	53.2	87,900
55.0	47.5	80,400	55.0	47.5	77,700	55.0	47.5	74,900	55.0	47.5	72,200
Reeves		10	Reeves		10	Reeves		10	Reeves		10

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

70' Boom											
150 ft Jib			160 ft Jib			170 ft Jib			180 ft Jib		
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	79.3	240,000 *	22.0	79.3	236,900 *	22.0	79.3	233,600 *	22.0	79.3	228,300 *
24.0	77.6	240,000 *	24.0	77.6	236,900 *	24.0	77.6	233,600 *	24.0	77.6	228,300 *
26.0	75.9	240,000 *	26.0	75.9	236,900 *	26.0	75.9	233,600 *	26.0	75.9	228,300 *
28.0	74.1	227,800 *	28.0	74.1	224,900 *	28.0	74.1	222,000 *	28.0	74.1	217,300 *
30.0	72.4	213,400 *	30.0	72.4	210,800 *	30.0	72.4	208,100 *	30.0	72.4	204,000 *
32.0	70.6	197,700 *	32.0	70.6	195,200 *	32.0	70.6	192,500 *	32.0	70.6	188,500 *
34.0	68.8	181,100	34.0	68.8	179,100	34.0	68.8	176,100	34.0	68.8	172,100
36.0	67.0	163,900	36.0	67.0	162,600	36.0	67.0	159,000	36.0	67.0	155,100
38.0	65.2	146,700	38.0	65.2	146,100	38.0	65.2	141,900	38.0	65.2	138,100
40.0	63.3	131,400	40.0	63.3	131,400	40.0	63.3	126,800	40.0	63.3	123,100
42.0	61.3	120,400	42.0	61.3	120,300	42.0	61.3	115,800	42.0	61.3	112,200
44.0	59.4	109,400	44.0	59.4	109,200	44.0	59.4	104,700	44.0	59.4	101,300
46.0	57.4	98,500	46.0	57.4	98,200	46.0	57.4	93,800	46.0	57.4	90,500
48.0	55.3	91,100	48.0	55.3	90,900	48.0	55.3	86,700	48.0	55.3	83,300
50.0	53.2	83,800	50.0	53.2	83,600	50.0	53.2	79,500	50.0	53.2	76,200
55.0	47.5	68,300	55.0	47.5	68,000	55.0	47.5	64,100	55.0	47.5	60,900
Reeves		10	Reeves		8	Reeves		8	Reeves		8

70' Boom											
190 ft Jib			200 ft Jib								
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)						
22.0	79.3	221,100 *	22.0	79.3	214,200 *						
24.0	77.6	221,100 *	24.0	77.6	214,200 *						
26.0	75.9	221,100 *	26.0	75.9	214,200 *						
28.0	74.1	210,800 *	28.0	74.1	204,700 *						
30.0	72.4	198,300 *	30.0	72.4	192,800 *						
32.0	70.6	183,100 *	32.0	70.6	177,800 *						
34.0	68.8	166,900	34.0	68.8	161,700						
36.0	67.0	150,100	36.0	67.0	145,000						
38.0	65.2	133,200	38.0	65.2	128,300						
40.0	63.3	118,200	40.0	63.3	113,400						
42.0	61.3	107,400	42.0	61.3	102,800						
44.0	59.4	96,600	44.0	59.4	92,200						
46.0	57.4	85,900	46.0	57.4	81,700						
48.0	55.3	78,900	48.0	55.3	74,700						
50.0	53.2	71,800	50.0	53.2	67,700						
55.0	47.5	56,800	55.0	47.5	52,900						
Reeves		8	Reeves		8						

Refer to notes on page 55 to 56.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

80' Boom											
70 ft Jib			80 ft Jib			90 ft Jib			100 ft Jib		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
24.0	79.2	275,500 *	24.0	79.2	273,100 *	24.0	79.2	267,800 *	24.0	79.2	265,800 *
26.0	77.7	275,500 *	26.0	77.7	273,100 *	26.0	77.7	267,800 *	26.0	77.7	265,800 *
28.0	76.2	259,700 *	28.0	76.2	256,100 *	28.0	76.2	251,200 *	28.0	76.2	249,400 *
30.0	74.7	242,100 *	30.0	74.7	237,500 *	30.0	74.7	232,900 *	30.0	74.7	231,400 *
32.0	73.2	225,500 *	32.0	73.2	221,100 *	32.0	73.2	216,800 *	32.0	73.2	215,200 *
34.0	71.6	208,200	34.0	71.6	203,900	34.0	71.6	199,800	34.0	71.6	198,300
36.0	70.1	190,300	36.0	70.1	186,300	36.0	70.1	182,200	36.0	70.1	180,700
38.0	68.5	172,500	38.0	68.5	168,600	38.0	68.5	164,600	38.0	68.5	163,200
40.0	66.9	156,600	40.0	66.9	152,800	40.0	66.9	148,900	40.0	66.9	147,600
42.0	65.3	145,000	42.0	65.3	141,300	42.0	65.3	137,500	42.0	65.3	136,200
44.0	63.7	133,500	44.0	63.7	129,700	44.0	63.7	126,100	44.0	63.7	124,700
46.0	62.0	122,000	46.0	62.0	118,300	46.0	62.0	114,800	46.0	62.0	113,400
48.0	60.3	114,300	48.0	60.3	110,600	48.0	60.3	107,200	48.0	60.3	105,900
50.0	58.6	106,600	50.0	58.6	103,000	50.0	58.6	99,600	50.0	58.6	98,400
55.0	54.1	90,000	55.0	54.1	86,500	55.0	54.1	83,300	55.0	54.1	82,200
60.0	49.4	76,600	60.0	49.4	73,400	60.0	49.4	70,300	60.0	49.4	69,200
65.0	44.2	65,900	65.0	44.2	63,000	65.0	44.2	59,900	65.0	44.2	58,800
Reeves		10	Reeves		10	Reeves		10	Reeves		10

80' Boom											
110 ft Jib			120 ft Jib			130 ft Jib			140 ft Jib		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
24.0	79.2	263,600 *	24.0	79.2	260,100 *	24.0	79.2	256,100 *	24.0	79.2	251,900 *
26.0	77.7	263,600 *	26.0	77.7	260,100 *	26.0	77.7	256,100 *	26.0	77.7	251,900 *
28.0	76.2	247,500 *	28.0	76.2	244,200 *	28.0	76.2	240,600 *	28.0	76.2	236,600 *
30.0	74.7	229,600 *	30.0	74.7	226,600 *	30.0	74.7	223,200 *	30.0	74.7	219,600 *
32.0	73.2	213,500 *	32.0	73.2	210,600 *	32.0	73.2	207,300 *	32.0	73.2	203,800 *
34.0	71.6	196,600	34.0	71.6	193,700	34.0	71.6	190,500	34.0	71.6	187,200
36.0	70.1	179,100	36.0	70.1	176,300	36.0	70.1	173,100	36.0	70.1	169,900
38.0	68.5	161,600	38.0	68.5	158,900	38.0	68.5	155,800	38.0	68.5	152,700
40.0	66.9	146,100	40.0	66.9	143,400	40.0	66.9	140,400	40.0	66.9	137,300
42.0	65.3	134,700	42.0	65.3	132,100	42.0	65.3	129,200	42.0	65.3	126,200
44.0	63.7	123,400	44.0	63.7	120,700	44.0	63.7	117,900	44.0	63.7	115,000
46.0	62.0	112,100	46.0	62.0	109,500	46.0	62.0	106,800	46.0	62.0	104,000
48.0	60.3	104,600	48.0	60.3	102,000	48.0	60.3	99,300	48.0	60.3	96,500
50.0	58.6	97,100	50.0	58.6	94,600	50.0	58.6	91,800	50.0	58.6	89,100
55.0	54.1	81,000	55.0	54.1	78,500	55.0	54.1	75,700	55.0	54.1	73,200
60.0	49.4	68,100	60.0	49.4	65,700	60.0	49.4	63,000	60.0	49.4	60,600
65.0	44.2	57,700	65.0	44.2	55,400	65.0	44.2	52,800	65.0	44.2	50,400
Reeves		10	Reeves		10	Reeves		10	Reeves		10

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

80' Boom											
150 ft Jib			160 ft Jib			170 ft Jib			180 ft Jib		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
24.0	79.2	245,800 *	24.0	79.2	242,900 *	24.0	79.2	240,000 *	24.0	79.2	235,200 *
26.0	77.7	245,800 *	26.0	77.7	242,900 *	26.0	77.7	240,000 *	26.0	77.7	235,200 *
28.0	76.2	231,000 *	28.0	76.2	228,400 *	28.0	76.2	225,700 *	28.0	76.2	221,200 *
30.0	74.7	214,500 *	30.0	74.7	212,100 *	30.0	74.7	209,500 *	30.0	74.7	205,400 *
32.0	73.2	198,900 *	32.0	73.2	196,500 *	32.0	73.2	194,000 *	32.0	73.2	190,200 *
34.0	71.6	182,400	34.0	71.6	180,000	34.0	71.6	177,700	34.0	71.6	173,900
36.0	70.1	165,300	36.0	70.1	163,000	36.0	70.1	160,700	36.0	70.1	157,000
38.0	68.5	148,200	38.0	68.5	145,900	38.0	68.5	143,700	38.0	68.5	140,100
40.0	66.9	132,900	40.0	66.9	130,900	40.0	66.9	128,500	40.0	66.9	125,000
42.0	65.3	121,800	42.0	65.3	120,500	42.0	65.3	117,500	42.0	65.3	114,200
44.0	63.7	110,700	44.0	63.7	110,100	44.0	63.7	106,500	44.0	63.7	103,300
46.0	62.0	99,800	46.0	62.0	99,800	46.0	62.0	95,600	46.0	62.0	92,500
48.0	60.3	92,500	48.0	60.3	92,500	48.0	60.3	88,300	48.0	60.3	85,300
50.0	58.6	85,100	50.0	58.6	85,100	50.0	58.6	81,100	50.0	58.6	78,000
55.0	54.1	69,400	55.0	54.1	69,400	55.0	54.1	65,600	55.0	54.1	62,600
60.0	49.4	56,900	60.0	49.4	56,900	60.0	49.4	53,200	60.0	49.4	50,400
65.0	44.2	47,000	65.0	44.2	46,800	65.0	44.2	43,300	65.0	44.2	40,600
Reeves		10	Reeves		10	Reeves		10	Reeves		8
80' Boom											
190 ft Jib			200 ft Jib								
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)						
24.0	79.2	228,600 *	24.0	79.2	222,400 *						
26.0	77.7	228,600 *	26.0	77.7	222,400 *						
28.0	76.2	215,100 *	28.0	76.2	209,400 *						
30.0	74.7	199,900 *	30.0	74.7	194,600 *						
32.0	73.2	184,800 *	32.0	73.2	179,700 *						
34.0	71.6	168,800	34.0	71.6	163,800						
36.0	70.1	152,000	36.0	70.1	147,300						
38.0	68.5	135,300	38.0	68.5	130,800						
40.0	66.9	120,400	40.0	66.9	116,100						
42.0	65.3	109,600	42.0	65.3	105,300						
44.0	63.7	98,800	44.0	63.7	94,500						
46.0	62.0	88,100	46.0	62.0	83,900						
48.0	60.3	81,000	48.0	60.3	76,900						
50.0	58.6	73,900	50.0	58.6	69,800						
55.0	54.1	58,600	55.0	54.1	54,800						
60.0	49.4	46,400	60.0	49.4	42,900						
65.0	44.2	36,800	65.0	44.2	33,300						
Reeves		8	Reeves		8						

Refer to notes on page 55 to 56.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

90' Boom											
70 ft Jib			80 ft Jib			90 ft Jib			100 ft Jib		
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)
28.0	77.8	259,700 *	28.0	77.8	257,000 *	28.0	77.8	255,300 *	28.0	77.8	253,600 *
30.0	76.4	241,600 *	30.0	76.4	237,200 *	30.0	76.4	235,700 *	30.0	76.4	233,900 *
32.0	75.1	223,100 *	32.0	75.1	218,800 *	32.0	75.1	217,300 *	32.0	75.1	215,700 *
34.0	73.8	205,500	34.0	73.8	201,400	34.0	73.8	199,900	34.0	73.8	198,400
36.0	72.4	188,800	36.0	72.4	184,800	36.0	72.4	183,300	36.0	72.4	181,900
38.0	71.0	172,000	38.0	71.0	168,100	38.0	71.0	166,700	38.0	71.0	165,400
40.0	69.7	156,800	40.0	69.7	153,100	40.0	69.7	151,800	40.0	69.7	150,500
42.0	68.3	145,200	42.0	68.3	141,600	42.0	68.3	140,400	42.0	68.3	139,000
44.0	66.9	133,700	44.0	66.9	130,100	44.0	66.9	128,900	44.0	66.9	127,600
46.0	65.5	122,300	46.0	65.5	118,700	46.0	65.5	117,600	46.0	65.5	116,300
48.0	64.0	114,500	48.0	64.0	111,000	48.0	64.0	109,900	48.0	64.0	108,700
50.0	62.5	106,700	50.0	62.5	103,300	50.0	62.5	102,200	50.0	62.5	101,000
55.0	58.8	90,000	55.0	58.8	86,700	55.0	58.8	85,700	55.0	58.8	84,600
60.0	54.8	76,600	60.0	54.8	73,600	60.0	54.8	72,700	60.0	54.8	71,600
65.0	50.7	65,900	65.0	50.7	63,000	65.0	50.7	62,100	65.0	50.7	61,000
70.0	46.2	57,200	70.0	46.2	54,300	70.0	46.2	53,400	70.0	46.2	52,500
Reeves		10	Reeves		10	Reeves		10	Reeves		10

90' Boom											
110 ft Jib			120 ft Jib			130 ft Jib			140 ft Jib		
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)
28.0	77.8	248,900 *	28.0	77.8	245,800 *	28.0	77.8	242,600 *	28.0	77.8	238,800 *
30.0	76.4	229,600 *	30.0	76.4	226,500 *	30.0	76.4	223,400 *	30.0	76.4	220,000 *
32.0	75.1	211,400 *	32.0	75.1	208,500 *	32.0	75.1	205,400 *	32.0	75.1	202,200 *
34.0	73.8	194,300	34.0	73.8	191,500	34.0	73.8	188,500	34.0	73.8	185,400
36.0	72.4	177,900	36.0	72.4	175,200	36.0	72.4	172,200	36.0	72.4	169,200
38.0	71.0	161,500	38.0	71.0	158,800	38.0	71.0	155,900	38.0	71.0	153,000
40.0	69.7	146,700	40.0	69.7	144,100	40.0	69.7	141,300	40.0	69.7	138,400
42.0	68.3	135,400	42.0	68.3	132,800	42.0	68.3	130,000	42.0	68.3	127,200
44.0	66.9	124,000	44.0	66.9	121,500	44.0	66.9	118,800	44.0	66.9	115,900
46.0	65.5	112,800	46.0	65.5	110,400	46.0	65.5	107,700	46.0	65.5	104,900
48.0	64.0	105,200	48.0	64.0	102,800	48.0	64.0	100,200	48.0	64.0	97,500
50.0	62.5	97,600	50.0	62.5	95,200	50.0	62.5	92,700	50.0	62.5	90,100
55.0	58.8	81,300	55.0	58.8	79,000	55.0	58.8	76,500	55.0	58.8	74,100
60.0	54.8	68,300	60.0	54.8	66,100	60.0	54.8	63,700	60.0	54.8	61,300
65.0	50.7	57,900	65.0	50.7	55,700	65.0	50.7	53,500	65.0	50.7	51,000
70.0	46.2	49,500	70.0	46.2	47,300	70.0	46.2	45,100	70.0	46.2	42,900
Reeves		10	Reeves		10	Reeves		10	Reeves		10

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

90' Boom											
150 ft Jib			160 ft Jib			170 ft Jib			180 ft Jib		
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)
28.0	77.8	233,700 *	28.0	77.8	231,200 *	28.0	77.8	228,700 *	28.0	77.8	224,700 *
30.0	76.4	214,900 *	30.0	76.4	212,500 *	30.0	76.4	210,100 *	30.0	76.4	206,400 *
32.0	75.1	197,300 *	32.0	75.1	195,100 *	32.0	75.1	192,800 *	32.0	75.1	189,100 *
34.0	73.8	180,600	34.0	73.8	178,500	34.0	73.8	176,300	34.0	73.8	172,600
36.0	72.4	164,600	36.0	72.4	162,500	36.0	72.4	160,400	36.0	72.4	156,800
38.0	71.0	148,500	38.0	71.0	146,500	38.0	71.0	144,500	38.0	71.0	141,100
40.0	69.7	134,000	40.0	69.7	132,100	40.0	69.7	130,100	40.0	69.7	126,800
42.0	68.3	122,900	42.0	68.3	121,000	42.0	68.3	119,100	42.0	68.3	115,800
44.0	66.9	111,800	44.0	66.9	110,000	44.0	66.9	108,000	44.0	66.9	104,900
46.0	65.5	100,900	46.0	65.5	99,100	46.0	65.5	97,100	46.0	65.5	94,100
48.0	64.0	93,600	48.0	64.0	91,800	48.0	64.0	89,800	48.0	64.0	86,800
50.0	62.5	86,200	50.0	62.5	84,500	50.0	62.5	82,500	50.0	62.5	79,500
55.0	58.8	70,500	55.0	58.8	68,700	55.0	58.8	66,800	55.0	58.8	64,000
60.0	54.8	57,800	60.0	54.8	56,300	60.0	54.8	54,300	60.0	54.8	51,600
65.0	50.7	47,700	65.0	50.7	47,500	65.0	50.7	44,200	65.0	50.7	41,700
70.0	46.2	39,500	70.0	46.2	39,500	70.0	46.2	36,200	70.0	46.2	33,700
Reeves		10	Reeves		10	Reeves		10	Reeves		10
90' Boom											
190 ft Jib			200 ft Jib								
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)						
28.0	77.8	219,000 *	28.0	77.8	213,800 *						
30.0	76.4	200,900 *	30.0	76.4	195,900 *						
32.0	75.1	183,900 *	32.0	75.1	179,000 *						
34.0	73.8	167,700	34.0	73.8	162,900						
36.0	72.4	152,000	36.0	72.4	147,400						
38.0	71.0	136,300	38.0	71.0	131,800						
40.0	69.7	122,200	40.0	69.7	117,800						
42.0	68.3	111,400	42.0	68.3	107,200						
44.0	66.9	100,600	44.0	66.9	96,500						
46.0	65.5	89,900	46.0	65.5	85,900						
48.0	64.0	82,700	48.0	64.0	78,800						
50.0	62.5	75,500	50.0	62.5	71,700						
55.0	58.8	60,100	55.0	58.8	56,500						
60.0	54.8	47,900	60.0	54.8	44,400						
65.0	50.7	38,200	65.0	50.7	34,700						
70.0	46.2	30,400	70.0	46.2	27,000						
Reeves		8	Reeves		8						

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

100' Boom											
150 ft Jib			160 ft Jib			170 ft Jib			180 ft Jib		
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)
28.0	79.0	217,700 *	28.0	79.0	215,400 *	28.0	79.0	212,800 *	28.0	79.0	209,000 *
30.0	77.8	207,000 *	30.0	77.8	204,900 *	30.0	77.8	202,500 *	30.0	77.8	198,700 *
32.0	76.6	192,400 *	32.0	76.6	190,300 *	32.0	76.6	188,100 *	32.0	76.6	184,300 *
34.0	75.4	177,700	34.0	75.4	175,800	34.0	75.4	173,600	34.0	75.4	170,000
36.0	74.2	163,100	36.0	74.2	161,200	36.0	74.2	159,100	36.0	74.2	155,600
38.0	73.0	148,400	38.0	73.0	146,600	38.0	73.0	144,600	38.0	73.0	141,200
40.0	71.8	134,900	40.0	71.8	133,100	40.0	71.8	131,200	40.0	71.8	127,900
42.0	70.6	123,800	42.0	70.6	122,100	42.0	70.6	120,200	42.0	70.6	116,900
44.0	69.3	112,700	44.0	69.3	111,000	44.0	69.3	109,100	44.0	69.3	106,000
46.0	68.1	101,800	46.0	68.1	100,000	46.0	68.1	98,200	46.0	68.1	95,200
48.0	66.8	94,400	48.0	66.8	92,600	48.0	66.8	90,900	48.0	66.8	87,900
50.0	65.5	87,000	50.0	65.5	85,200	50.0	65.5	83,500	50.0	65.5	80,600
55.0	62.3	71,200	55.0	62.3	70,100	55.0	62.3	67,700	55.0	62.3	65,100
60.0	58.9	58,600	60.0	58.9	58,600	60.0	58.9	55,100	60.0	58.9	52,700
65.0	55.4	48,400	65.0	55.4	48,400	65.0	55.4	45,100	65.0	55.4	42,600
70.0	51.7	40,200	70.0	51.7	40,200	70.0	51.7	36,900	70.0	51.7	34,600
75.0	47.8	33,200	75.0	47.8	33,200	75.0	47.8	30,000	75.0	47.8	27,700
Reeves		8	Reeves		8	Reeves		8	Reeves		8
100' Boom											
190 ft Jib			200 ft Jib								
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)						
28.0	79.0	203,500 *	28.0	79.0	198,400 *						
30.0	77.8	193,500 *	30.0	77.8	188,700 *						
32.0	76.6	179,400 *	32.0	76.6	174,700 *						
34.0	75.4	165,200	34.0	75.4	160,600						
36.0	74.2	150,900	36.0	74.2	146,500						
38.0	73.0	136,700	38.0	73.0	132,400						
40.0	71.8	123,500	40.0	71.8	119,400						
42.0	70.6	112,700	42.0	70.6	108,600						
44.0	69.3	101,900	44.0	69.3	97,900						
46.0	68.1	91,200	46.0	68.1	87,200						
48.0	66.8	83,900	48.0	66.8	80,100						
50.0	65.5	76,700	50.0	65.5	73,000						
55.0	62.3	61,200	55.0	62.3	57,800						
60.0	58.9	49,000	60.0	58.9	45,700						
65.0	55.4	39,100	65.0	55.4	36,000						
70.0	51.7	31,100	70.0	51.7	28,000						
75.0	47.8	24,300	75.0	47.8	21,300						
Reeves		8	Reeves		8						

Refer to notes on page 55 to 56.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

110' Boom											
70 ft Jib			80 ft Jib			90 ft Jib			100 ft Jib		
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	79.0	219,200 *	30.0	79.0	215,500 *	30.0	79.0	211,500 *	30.0	79.0	208,900 *
32.0	77.9	213,000 *	32.0	77.9	209,400 *	32.0	77.9	205,600 *	32.0	77.9	203,100 *
34.0	76.8	202,100	34.0	76.8	198,600	34.0	76.8	194,900	34.0	76.8	192,600
36.0	75.7	188,100	36.0	75.7	184,700	36.0	75.7	181,000	36.0	75.7	178,800
38.0	74.6	174,000	38.0	74.6	170,700	38.0	74.6	167,100	38.0	74.6	165,000
40.0	73.5	160,700	40.0	73.5	157,400	40.0	73.5	154,000	40.0	73.5	152,000
42.0	72.4	149,000	42.0	72.4	145,800	42.0	72.4	142,500	42.0	72.4	140,500
44.0	71.3	137,300	44.0	71.3	134,200	44.0	71.3	131,000	44.0	71.3	129,000
46.0	70.2	125,800	46.0	70.2	122,700	46.0	70.2	119,600	46.0	70.2	117,600
48.0	69.1	118,000	48.0	69.1	114,900	48.0	69.1	111,900	48.0	69.1	109,900
50.0	67.9	110,200	50.0	67.9	107,100	50.0	67.9	104,200	50.0	67.9	102,200
55.0	65.0	93,400	55.0	65.0	90,400	55.0	65.0	87,600	55.0	65.0	85,600
60.0	62.1	79,900	60.0	62.1	77,100	60.0	62.1	74,400	60.0	62.1	72,500
65.0	59.0	69,000	65.0	59.0	66,300	65.0	59.0	63,700	65.0	59.0	61,900
70.0	55.8	60,100	70.0	55.8	57,500	70.0	55.8	54,800	70.0	55.8	53,200
75.0	52.5	52,400	75.0	52.5	49,900	75.0	52.5	47,300	75.0	52.5	45,700
80.0	49.0	45,700	80.0	49.0	43,300	80.0	49.0	40,900	80.0	49.0	39,200
85.0	45.4	40,200	85.0	45.4	37,800	85.0	45.4	35,500	85.0	45.4	33,800
Reeves		8	Reeves		8	Reeves		8	Reeves		8

110' Boom											
110 ft Jib			120 ft Jib			130 ft Jib			140 ft Jib		
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	79.0	204,700 *	30.0	79.0	200,800 *	30.0	79.0	198,000 *	30.0	79.0	194,700 *
32.0	77.9	199,100 *	32.0	77.9	195,300 *	32.0	77.9	192,600 *	32.0	77.9	189,500 *
34.0	76.8	188,700	34.0	76.8	185,000	34.0	76.8	182,400	34.0	76.8	179,300
36.0	75.7	174,900	36.0	75.7	171,400	36.0	75.7	168,900	36.0	75.7	165,900
38.0	74.6	161,200	38.0	74.6	157,800	38.0	74.6	155,400	38.0	74.6	152,500
40.0	73.5	148,300	40.0	73.5	145,000	40.0	73.5	142,600	40.0	73.5	139,700
42.0	72.4	136,900	42.0	72.4	133,700	42.0	72.4	131,300	42.0	72.4	128,500
44.0	71.3	125,600	44.0	71.3	122,400	44.0	71.3	120,000	44.0	71.3	117,300
46.0	70.2	114,300	46.0	70.2	111,200	46.0	70.2	108,800	46.0	70.2	106,200
48.0	69.1	106,700	48.0	69.1	103,600	48.0	69.1	101,300	48.0	69.1	98,700
50.0	67.9	99,000	50.0	67.9	96,100	50.0	67.9	93,800	50.0	67.9	91,300
55.0	65.0	82,600	55.0	65.0	79,800	55.0	65.0	77,600	55.0	65.0	75,300
60.0	62.1	69,600	60.0	62.1	66,800	60.0	62.1	64,800	60.0	62.1	62,600
65.0	59.0	59,000	65.0	59.0	56,300	65.0	59.0	54,400	65.0	59.0	52,200
70.0	55.8	50,300	70.0	55.8	47,800	70.0	55.8	45,900	70.0	55.8	43,800
75.0	52.5	43,000	75.0	52.5	40,600	75.0	52.5	38,600	75.0	52.5	36,600
80.0	49.0	36,700	80.0	49.0	34,300	80.0	49.0	32,300	80.0	49.0	30,400
85.0	45.4	31,400	85.0	45.4	28,900	85.0	45.4	27,000	85.0	45.4	25,200
Reeves		8	Reeves		8	Reeves		8	Reeves		8

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

110' Boom											
150 ft Jib			160 ft Jib			170 ft Jib			180 ft Jib		
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	79.0	189,900 *	30.0	79.0	187,700 *	30.0	79.0	185,500 *	30.0	79.0	181,800 *
32.0	77.9	184,800 *	32.0	77.9	182,700 *	32.0	77.9	180,700 *	32.0	77.9	177,100 *
34.0	76.8	174,800	34.0	76.8	172,900	34.0	76.8	170,900	34.0	76.8	167,400
36.0	75.7	161,600	36.0	75.7	159,700	36.0	75.7	157,700	36.0	75.7	154,400
38.0	74.6	148,300	38.0	74.6	146,500	38.0	74.6	144,600	38.0	74.6	141,400
40.0	73.5	135,800	40.0	73.5	134,000	40.0	73.5	132,100	40.0	73.5	129,000
42.0	72.4	124,600	42.0	72.4	122,900	42.0	72.4	121,000	42.0	72.4	118,000
44.0	71.3	113,500	44.0	71.3	111,800	44.0	71.3	110,000	44.0	71.3	107,100
46.0	70.2	102,400	46.0	70.2	100,900	46.0	70.2	99,100	46.0	70.2	96,300
48.0	69.1	95,000	48.0	69.1	93,500	48.0	69.1	91,700	48.0	69.1	88,900
50.0	67.9	87,600	50.0	67.9	86,100	50.0	67.9	84,300	50.0	67.9	81,600
55.0	65.0	71,800	55.0	65.0	70,200	55.0	65.0	68,600	55.0	65.0	66,000
60.0	62.1	59,100	60.0	62.1	57,600	60.0	62.1	56,000	60.0	62.1	53,600
65.0	59.0	48,800	65.0	59.0	47,500	65.0	59.0	45,900	65.0	59.0	43,500
70.0	55.8	40,600	70.0	55.8	40,200	70.0	55.8	37,600	70.0	55.8	35,400
75.0	52.5	33,600	75.0	52.5	33,600	75.0	52.5	30,500	75.0	52.5	28,300
80.0	49.0	27,500	80.0	49.0	27,500	80.0	49.0	24,500	80.0	49.0	22,300
85.0	45.4	22,300	85.0	45.4	22,300	85.0	45.4	19,400	85.0	45.4	17,400
Reeves		8	Reeves		8	Reeves		8	Reeves		8
110' Boom											
190 ft Jib			200 ft Jib								
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)						
30.0	79.0	176,800 *	30.0	79.0	172,000 *						
32.0	77.9	172,200 *	32.0	77.9	167,500 *						
34.0	76.8	162,700	34.0	76.8	158,200						
36.0	75.7	149,800	36.0	75.7	145,500						
38.0	74.6	136,900	38.0	74.6	132,800						
40.0	73.5	124,600	40.0	73.5	120,700						
42.0	72.4	113,800	42.0	72.4	109,900						
44.0	71.3	103,000	44.0	71.3	99,200						
46.0	70.2	92,300	46.0	70.2	88,500						
48.0	69.1	85,000	48.0	69.1	81,400						
50.0	67.9	77,800	50.0	67.9	74,200						
55.0	65.0	62,300	55.0	65.0	58,900						
60.0	62.1	50,100	60.0	62.1	46,800						
65.0	59.0	40,000	65.0	59.0	36,900						
70.0	55.8	32,000	70.0	55.8	29,000						
75.0	52.5	25,100	75.0	52.5	22,200						
80.0	49.0	19,200									
85.0	45.4	14,400									
Reeves		6	Reeves		6						

Refer to notes on page 55 to 56.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

120' Boom											
70 ft Jib			80 ft Jib			90 ft Jib			100 ft Jib		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
34.0	77.9	198,500 *	34.0	77.9	195,000 *	34.0	77.9	192,400 *	34.0	77.9	189,200 *
36.0	76.9	185,700 *	36.0	76.9	182,300 *	36.0	76.9	179,700 *	36.0	76.9	176,700 *
38.0	76.0	172,900 *	38.0	76.0	169,600 *	38.0	76.0	167,100 *	38.0	76.0	164,200 *
40.0	75.0	160,500	40.0	75.0	157,200	40.0	75.0	154,800	40.0	75.0	152,000
42.0	74.0	148,800	42.0	74.0	145,700	42.0	74.0	143,300	42.0	74.0	140,500
44.0	72.9	137,100	44.0	72.9	134,100	44.0	72.9	131,700	44.0	72.9	129,000
46.0	71.9	125,600	46.0	71.9	122,700	46.0	71.9	120,300	46.0	71.9	117,600
48.0	70.9	117,800	48.0	70.9	114,900	48.0	70.9	112,500	48.0	70.9	110,000
50.0	69.9	110,000	50.0	69.9	107,100	50.0	69.9	104,800	50.0	69.9	102,300
55.0	67.3	93,200	55.0	67.3	90,400	55.0	67.3	88,300	55.0	67.3	85,900
60.0	64.6	79,700	60.0	64.6	77,000	60.0	64.6	75,000	60.0	64.6	72,700
65.0	61.9	68,800	65.0	61.9	66,100	65.0	61.9	64,100	65.0	61.9	61,900
70.0	59.1	59,900	70.0	59.1	57,300	70.0	59.1	55,400	70.0	59.1	53,200
75.0	56.2	52,200	75.0	56.2	49,600	75.0	56.2	47,900	75.0	56.2	45,700
80.0	53.2	45,500	80.0	53.2	43,100	80.0	53.2	41,300	80.0	53.2	39,200
85.0	50.1	40,000	85.0	50.1	37,500	85.0	50.1	35,800	85.0	50.1	33,800
90.0	46.7	35,100	90.0	46.7	32,800	90.0	46.7	31,000	90.0	46.7	29,000
95.0	43.2	30,900	95.0	43.2	28,700	95.0	43.2	27,000	95.0	43.2	25,000
Reeves		8	Reeves		8	Reeves		8	Reeves		8

120' Boom											
110 ft Jib			120 ft Jib			130 ft Jib			140 ft Jib		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
34.0	77.9	185,400 *	34.0	77.9	181,800 *	34.0	77.9	179,200 *	34.0	77.9	176,200 *
36.0	76.9	173,000 *	36.0	76.9	169,500 *	36.0	76.9	166,900 *	36.0	76.9	164,100 *
38.0	76.0	160,600 *	38.0	76.0	157,200 *	38.0	76.0	154,700 *	38.0	76.0	152,000 *
40.0	75.0	148,500	40.0	75.0	145,200	40.0	75.0	142,800	40.0	75.0	140,200
42.0	74.0	137,000	42.0	74.0	133,900	42.0	74.0	131,600	42.0	74.0	128,900
44.0	72.9	125,600	44.0	72.9	122,600	44.0	72.9	120,400	44.0	72.9	117,700
46.0	71.9	114,300	46.0	71.9	111,500	46.0	71.9	109,300	46.0	71.9	106,600
48.0	70.9	106,700	48.0	70.9	103,900	48.0	70.9	101,700	48.0	70.9	99,200
50.0	69.9	99,100	50.0	69.9	96,300	50.0	69.9	94,200	50.0	69.9	91,700
55.0	67.3	82,800	55.0	67.3	80,000	55.0	67.3	78,000	55.0	67.3	75,700
60.0	64.6	69,600	60.0	64.6	67,000	60.0	64.6	65,000	60.0	64.6	62,800
65.0	61.9	59,000	65.0	61.9	56,600	65.0	61.9	54,600	65.0	61.9	52,400
70.0	59.1	50,300	70.0	59.1	47,900	70.0	59.1	46,100	70.0	59.1	44,000
75.0	56.2	43,000	75.0	56.2	40,600	75.0	56.2	38,700	75.0	56.2	36,800
80.0	53.2	36,700	80.0	53.2	34,300	80.0	53.2	32,400	80.0	53.2	30,600
85.0	50.1	31,100	85.0	50.1	28,900	85.0	50.1	27,200	85.0	50.1	25,200
90.0	46.7	26,600	90.0	46.7	24,300	90.0	46.7	22,600	90.0	46.7	20,800
95.0	43.2	22,600	95.0	43.2	20,400	95.0	43.2	18,700	95.0	43.2	16,900
Reeves		8	Reeves		8	Reeves		8	Reeves		8

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

120' Boom											
150 ft Jib			160 ft Jib			170 ft Jib			180 ft Jib		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
34.0	77.9	171,800 *	34.0	77.9	169,900 *	34.0	77.9	167,900 *	34.0	77.9	164,700 *
36.0	76.9	159,900 *	36.0	76.9	158,000 *	36.0	76.9	156,100 *	36.0	76.9	152,900 *
38.0	76.0	147,900 *	38.0	76.0	146,100 *	38.0	76.0	144,300 *	38.0	76.0	141,200 *
40.0	75.0	136,200	40.0	75.0	134,500	40.0	75.0	132,700	40.0	75.0	129,700
42.0	74.0	125,100	42.0	74.0	123,500	42.0	74.0	121,700	42.0	74.0	118,700
44.0	72.9	114,100	44.0	72.9	112,400	44.0	72.9	110,700	44.0	72.9	107,800
46.0	71.9	103,100	46.0	71.9	101,500	46.0	71.9	99,800	46.0	71.9	96,900
48.0	70.9	95,600	48.0	70.9	94,100	48.0	70.9	92,400	48.0	70.9	89,600
50.0	69.9	88,200	50.0	69.9	86,600	50.0	69.9	85,000	50.0	69.9	82,300
55.0	67.3	72,200	55.0	67.3	70,800	55.0	67.3	69,200	55.0	67.3	66,700
60.0	64.6	59,500	60.0	64.6	58,200	60.0	64.6	56,700	60.0	64.6	54,300
65.0	61.9	49,300	65.0	61.9	48,000	65.0	61.9	46,400	65.0	61.9	44,200
70.0	59.1	40,900	70.0	59.1	39,600	70.0	59.1	38,100	70.0	59.1	35,900
75.0	56.2	33,800	75.0	56.2	32,500	75.0	56.2	31,000	75.0	56.2	28,800
80.0	53.2	27,700	80.0	53.2	26,400	80.0	53.2	24,900	80.0	53.2	22,900
85.0	50.1	22,500	85.0	50.1	21,200	85.0	50.1	19,900	85.0	50.1	17,700
90.0	46.7	18,100	90.0	46.7	17,700	90.0	46.7	15,500			
95.0	43.2	14,400	95.0	43.2	14,400						
Reeves		8	Reeves		6	Reeves		6	Reeves		6

120' Boom											
190 ft Jib			200 ft Jib								
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)						
34.0	77.9	160,100 *	34.0	77.9	155,800 *						
36.0	76.9	148,500 *	36.0	76.9	144,300 *						
38.0	76.0	136,900 *	38.0	76.0	132,800 *						
40.0	75.0	125,500	40.0	75.0	121,600						
42.0	74.0	114,600	42.0	74.0	110,800						
44.0	72.9	103,700	44.0	72.9	100,100						
46.0	71.9	93,000	46.0	71.9	89,400						
48.0	70.9	85,800	48.0	70.9	82,200						
50.0	69.9	78,600	50.0	69.9	75,100						
55.0	67.3	63,100	55.0	67.3	59,700						
60.0	64.6	50,800	60.0	64.6	47,500						
65.0	61.9	40,900	65.0	61.9	37,700						
70.0	59.1	32,700	70.0	59.1	29,800						
75.0	56.2	25,800	75.0	56.2	22,900						
80.0	53.2	19,800									
85.0	50.1	14,800									
Reeves		6	Reeves		6						

Refer to notes on page 55 to 56.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

130' Boom											
70 ft Jib			80 ft Jib			90 ft Jib			100 ft Jib		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
34.0	78.9	184,400 *	34.0	78.9	181,000 *	34.0	78.9	177,800 *	34.0	78.9	174,200 *
36.0	78.0	175,800 *	36.0	78.0	172,800 *	36.0	78.0	169,600 *	36.0	78.0	166,300 *
38.0	77.1	167,200 *	38.0	77.1	164,700 *	38.0	77.1	161,400 *	38.0	77.1	158,400 *
40.0	76.2	157,900	40.0	76.2	155,700	40.0	76.2	152,400	40.0	76.2	149,600
42.0	75.2	147,100	42.0	75.2	144,900	42.0	75.2	141,700	42.0	75.2	138,900
44.0	74.3	136,300	44.0	74.3	134,100	44.0	74.3	130,900	44.0	74.3	128,200
46.0	73.4	125,600	46.0	73.4	123,400	46.0	73.4	120,300	46.0	73.4	117,600
48.0	72.5	117,700	48.0	72.5	115,600	48.0	72.5	112,500	48.0	72.5	110,000
50.0	71.5	109,800	50.0	71.5	107,800	50.0	71.5	104,800	50.0	71.5	102,300
55.0	69.1	93,000	55.0	69.1	91,000	55.0	69.1	88,200	55.0	69.1	85,900
60.0	66.7	79,600	60.0	66.7	77,500	60.0	66.7	74,900	60.0	66.7	72,700
65.0	64.3	68,600	65.0	64.3	66,800	65.0	64.3	64,100	65.0	64.3	61,900
70.0	61.8	59,700	70.0	61.8	57,800	70.0	61.8	55,300	70.0	61.8	53,200
75.0	59.2	52,000	75.0	59.2	50,100	75.0	59.2	47,700	75.0	59.2	45,700
80.0	56.5	45,200	80.0	56.5	43,500	80.0	56.5	41,100	80.0	56.5	39,100
85.0	53.8	39,500	85.0	53.8	37,800	85.0	53.8	35,300	85.0	53.8	33,400
90.0	50.9	34,800	90.0	50.9	33,000	90.0	50.9	30,700	90.0	50.9	28,800
95.0	47.9	30,600	95.0	47.9	28,800	95.0	47.9	26,600	95.0	47.9	24,600
100.0	44.7	26,800	100.0	44.7	25,100	100.0	44.7	22,900	100.0	44.7	21,000
Reeves		8	Reeves		8	Reeves		8	Reeves		8

130' Boom											
110 ft Jib			120 ft Jib			130 ft Jib			140 ft Jib		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
34.0	78.9	171,300 *	34.0	78.9	168,900 *	34.0	78.9	165,200 *	34.0	78.9	161,300 *
36.0	78.0	163,100 *	36.0	78.0	160,900 *	36.0	78.0	157,400 *	36.0	78.0	153,800 *
38.0	77.1	155,000 *	38.0	77.1	152,900 *	38.0	77.1	149,500 *	38.0	77.1	146,400 *
40.0	76.2	146,100	40.0	76.2	144,100	40.0	76.2	140,800	40.0	76.2	138,000
42.0	75.2	135,500	42.0	75.2	133,600	42.0	75.2	130,300	42.0	75.2	127,700
44.0	74.3	125,000	44.0	74.3	123,000	44.0	74.3	119,900	44.0	74.3	117,300
46.0	73.4	114,500	46.0	73.4	112,600	46.0	73.4	109,500	46.0	73.4	107,100
48.0	72.5	106,900	48.0	72.5	105,000	48.0	72.5	102,000	48.0	72.5	99,500
50.0	71.5	99,200	50.0	71.5	97,400	50.0	71.5	94,400	50.0	71.5	92,000
55.0	69.1	82,900	55.0	69.1	81,100	55.0	69.1	78,200	55.0	69.1	75,900
60.0	66.7	69,800	60.0	66.7	68,100	60.0	66.7	65,200	60.0	66.7	63,000
65.0	64.3	59,000	65.0	64.3	57,500	65.0	64.3	54,800	65.0	64.3	52,800
70.0	61.8	50,500	70.0	61.8	49,000	70.0	61.8	46,300	70.0	61.8	44,300
75.0	59.2	43,100	75.0	59.2	41,600	75.0	59.2	38,900	75.0	59.2	37,000
80.0	56.5	36,700	80.0	56.5	35,100	80.0	56.5	32,500	80.0	56.5	30,700
85.0	53.8	30,900	85.0	53.8	29,400	85.0	53.8	27,000	85.0	53.8	25,200
90.0	50.9	26,500	90.0	50.9	24,900	90.0	50.9	22,500	90.0	50.9	20,800
95.0	47.9	22,400	95.0	47.9	20,900	95.0	47.9	18,600	95.0	47.9	16,800
100.0	44.7	18,800	100.0	44.7	17,200	100.0	44.7	15,000			
Reeves		6	Reeves		6	Reeves		6	Reeves		6

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

130' Boom											
150 ft Jib			160 ft Jib			170 ft Jib			180 ft Jib		
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
34.0	78.9	159,900 *	34.0	78.9	155,800 *	34.0	78.9	152,200 *	34.0	78.9	148,400 *
36.0	78.0	151,600 *	36.0	78.0	148,300 *	36.0	78.0	145,400 *	36.0	78.0	142,000 *
38.0	77.1	143,200 *	38.0	77.1	140,900 *	38.0	77.1	138,600 *	38.0	77.1	135,500 *
40.0	76.2	134,300	40.0	76.2	132,500	40.0	76.2	130,800	40.0	76.2	127,900
42.0	75.2	123,900	42.0	75.2	122,200	42.0	75.2	120,600	42.0	75.2	117,800
44.0	74.3	113,600	44.0	74.3	112,000	44.0	74.3	110,300	44.0	74.3	107,600
46.0	73.4	103,300	46.0	73.4	101,800	46.0	73.4	100,200	46.0	73.4	97,600
48.0	72.5	95,900	48.0	72.5	94,400	48.0	72.5	92,800	48.0	72.5	90,300
50.0	71.5	88,500	50.0	71.5	87,000	50.0	71.5	85,400	50.0	71.5	82,900
55.0	69.1	72,700	55.0	69.1	71,200	55.0	69.1	69,700	55.0	69.1	67,200
60.0	66.7	60,000	60.0	66.7	58,600	60.0	66.7	57,100	60.0	66.7	54,700
65.0	64.3	49,700	65.0	64.3	48,400	65.0	64.3	46,800	65.0	64.3	44,600
70.0	61.8	41,400	70.0	61.8	40,100	70.0	61.8	38,500	70.0	61.8	36,500
75.0	59.2	34,200	75.0	59.2	32,800	75.0	59.2	31,400	75.0	59.2	29,400
80.0	56.5	27,900	80.0	56.5	26,600	80.0	56.5	25,300	80.0	56.5	23,300
85.0	53.8	22,500	85.0	53.8	21,200	85.0	53.8	19,900	85.0	53.8	17,900
90.0	50.9	18,100	90.0	50.9	16,900	90.0	50.9	15,600	90.0	50.9	13,600
95.0	47.9	14,300	95.0	47.9	13,700						
Reeves		6	Reeves		6	Reeves		6	Reeves		6

130' Boom											
190 ft Jib			200 ft Jib								
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)						
34.0	78.9	144,100 *	34.0	78.9	139,600 *						
36.0	78.0	137,700 *	36.0	78.0	133,400 *						
38.0	77.1	131,300 *	38.0	77.1	127,200 *						
40.0	76.2	123,800	40.0	76.2	119,800						
42.0	75.2	113,700	42.0	75.2	109,900						
44.0	74.3	103,600	44.0	74.3	99,900						
46.0	73.4	93,600	46.0	73.4	90,100						
48.0	72.5	86,400	48.0	72.5	83,000						
50.0	71.5	79,200	50.0	71.5	75,800						
55.0	69.1	63,800	55.0	69.1	60,600						
60.0	66.7	51,400	60.0	66.7	48,300						
65.0	64.3	41,300	65.0	64.3	38,400						
70.0	61.8	33,300	70.0	61.8	30,400						
75.0	59.2	26,300	75.0	59.2	23,600						
80.0	56.5	20,200									
85.0	53.8	15,000									
Reeves		6	Reeves		6						

Refer to notes on page 55 to 56.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

140' Boom											
70 ft Jib			80 ft Jib			90 ft Jib			100 ft Jib		
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)
40.0	77.2	154,800	40.0	77.2	151,700	40.0	77.2	148,600	40.0	77.2	145,800
42.0	76.3	145,200	42.0	76.3	142,200	42.0	76.3	139,200	42.0	76.3	136,400
44.0	75.5	135,600	44.0	75.5	132,600	44.0	75.5	129,700	44.0	75.5	127,000
46.0	74.6	126,000	46.0	74.6	123,100	46.0	74.6	120,300	46.0	74.6	117,600
48.0	73.8	118,200	48.0	73.8	115,300	48.0	73.8	112,500	48.0	73.8	110,000
50.0	72.9	110,400	50.0	72.9	107,600	50.0	72.9	104,800	50.0	72.9	102,300
55.0	70.7	93,500	55.0	70.7	90,800	55.0	70.7	88,200	55.0	70.7	85,800
60.0	68.5	79,900	60.0	68.5	77,400	60.0	68.5	74,800	60.0	68.5	72,400
65.0	66.3	68,800	65.0	66.3	66,400	65.0	66.3	63,900	65.0	66.3	61,700
70.0	64.0	59,600	70.0	64.0	57,300	70.0	64.0	54,900	70.0	64.0	52,700
75.0	61.6	51,800	75.0	61.6	49,500	75.0	61.6	47,200	75.0	61.6	45,100
80.0	59.2	45,200	80.0	59.2	42,900	80.0	59.2	40,700	80.0	59.2	38,700
85.0	56.8	39,500	85.0	56.8	37,300	85.0	56.8	35,100	85.0	56.8	33,100
90.0	54.2	34,600	90.0	54.2	32,400	90.0	54.2	30,200	90.0	54.2	28,400
95.0	51.6	30,300	95.0	51.6	28,200	95.0	51.6	26,000	95.0	51.6	24,200
100.0	48.9	26,400	100.0	48.9	24,500	100.0	48.9	22,300	100.0	48.9	20,500
110.0	43.0	20,100	110.0	43.0	18,100	110.0	43.0	16,100	110.0	43.0	14,300
Reeves		6	Reeves		6	Reeves		6	Reeves		6

140' Boom											
110 ft Jib			120 ft Jib			130 ft Jib			140 ft Jib		
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)
40.0	77.2	143,600	40.0	77.2	140,500	40.0	77.2	137,000	40.0	77.2	134,400
42.0	76.3	134,300	42.0	76.3	131,300	42.0	76.3	127,800	42.0	76.3	125,300
44.0	75.5	124,900	44.0	75.5	122,000	44.0	75.5	118,600	44.0	75.5	116,100
46.0	74.6	115,600	46.0	74.6	112,800	46.0	74.6	109,500	46.0	74.6	107,100
48.0	73.8	108,000	48.0	73.8	105,200	48.0	73.8	102,000	48.0	73.8	99,600
50.0	72.9	100,300	50.0	72.9	97,600	50.0	72.9	94,400	50.0	72.9	92,100
55.0	70.7	83,900	55.0	70.7	81,300	55.0	70.7	78,300	55.0	70.7	76,100
60.0	68.5	70,600	60.0	68.5	68,200	60.0	68.5	65,400	60.0	68.5	63,200
65.0	66.3	59,700	65.0	66.3	57,300	65.0	66.3	54,600	65.0	66.3	52,600
70.0	64.0	50,900	70.0	64.0	48,600	70.0	64.0	45,900	70.0	64.0	44,000
75.0	61.6	43,300	75.0	61.6	41,100	75.0	61.6	38,500	75.0	61.6	36,600
80.0	59.2	36,900	80.0	59.2	34,700	80.0	59.2	32,100	80.0	59.2	30,300
85.0	56.8	31,400	85.0	56.8	29,200	85.0	56.8	26,700	85.0	56.8	25,000
90.0	54.2	26,600	90.0	54.2	24,600	90.0	54.2	22,100	90.0	54.2	20,400
95.0	51.6	22,400	95.0	51.6	20,500	95.0	51.6	18,100	95.0	51.6	16,400
100.0	48.9	18,800	100.0	48.9	16,800	100.0	48.9	14,600			
110.0	43.0	12,700									
Reeves		6	Reeves		6	Reeves		6	Reeves		6

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

140' Boom											
150 ft Jib			160 ft Jib			170 ft Jib			180 ft Jib		
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)
40.0	77.2	130,700	40.0	77.2	129,200	40.0	77.2	127,400	40.0	77.2	124,400
42.0	76.3	121,600	42.0	76.3	120,200	42.0	76.3	118,500	42.0	76.3	115,500
44.0	75.5	112,500	44.0	75.5	111,200	44.0	75.5	109,600	44.0	75.5	106,600
46.0	74.6	103,500	46.0	74.6	102,200	46.0	74.6	100,700	46.0	74.6	97,800
48.0	73.8	96,100	48.0	73.8	94,800	48.0	73.8	93,300	48.0	73.8	90,500
50.0	72.9	88,800	50.0	72.9	87,400	50.0	72.9	85,900	50.0	72.9	83,300
55.0	70.7	72,900	55.0	70.7	71,600	55.0	70.7	70,100	55.0	70.7	67,700
60.0	68.5	60,200	60.0	68.5	58,800	60.0	68.5	57,500	60.0	68.5	55,100
65.0	66.3	49,700	65.0	66.3	48,400	65.0	66.3	47,100	65.0	66.3	44,900
70.0	64.0	41,100	70.0	64.0	39,900	70.0	64.0	38,600	70.0	64.0	36,400
75.0	61.6	33,800	75.0	61.6	32,600	75.0	61.6	31,300	75.0	61.6	29,200
80.0	59.2	27,700	80.0	59.2	26,400	80.0	59.2	25,100	80.0	59.2	23,100
85.0	56.8	22,300	85.0	56.8	21,200	85.0	56.8	19,900	85.0	56.8	17,900
90.0	54.2	17,900	90.0	54.2	16,800	90.0	54.2	15,500	90.0	54.2	13,500
95.0	51.6	13,900	95.0	51.6	13,400						
Reeves		6	Reeves		6	Reeves		6	Reeves		6

140' Boom											
190 ft Jib			200 ft Jib								
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)						
40.0	77.2	120,400	40.0	77.2	116,700						
42.0	76.3	111,700	42.0	76.3	108,000						
44.0	75.5	103,000	44.0	75.5	99,400						
46.0	74.6	94,300	46.0	74.6	90,800						
48.0	73.8	87,000	48.0	73.8	83,600						
50.0	72.9	79,800	50.0	72.9	76,400						
55.0	70.7	64,200	55.0	70.7	61,000						
60.0	68.5	51,800	60.0	68.5	48,800						
65.0	66.3	41,600	65.0	66.3	38,700						
70.0	64.0	33,400	70.0	64.0	30,500						
75.0	61.6	26,300	75.0	61.6	23,600						
80.0	59.2	20,300									
85.0	56.8	15,200									
Reeves		6	Reeves		6						

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

150' Boom											
70 ft Jib			80 ft Jib			90 ft Jib			100 ft Jib		
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)
40.0	78.0	142,600	40.0	78.0	139,700	40.0	78.0	137,900	40.0	78.0	134,900
42.0	77.3	137,100	42.0	77.3	134,200	42.0	77.3	132,000	42.0	77.3	129,600
44.0	76.5	131,600	44.0	76.5	128,700	44.0	76.5	126,200	44.0	76.5	124,200
46.0	75.7	126,000	46.0	75.7	123,100	46.0	75.7	120,300	46.0	75.7	118,700
48.0	74.9	118,100	48.0	74.9	115,300	48.0	74.9	112,500	48.0	74.9	111,000
50.0	74.1	110,300	50.0	74.1	107,600	50.0	74.1	104,800	50.0	74.1	103,300
55.0	72.1	93,400	55.0	72.1	90,800	55.0	72.1	88,200	55.0	72.1	86,700
60.0	70.0	79,800	60.0	70.0	77,200	60.0	70.0	74,800	60.0	70.0	73,300
65.0	68.0	68,600	65.0	68.0	66,100	65.0	68.0	63,700	65.0	68.0	62,400
70.0	65.8	59,500	70.0	65.8	57,100	70.0	65.8	54,800	70.0	65.8	53,400
75.0	63.7	51,700	75.0	63.7	49,400	75.0	63.7	47,100	75.0	63.7	45,800
80.0	61.5	45,000	80.0	61.5	42,800	80.0	61.5	40,400	80.0	61.5	39,300
85.0	59.3	39,300	85.0	59.3	37,100	85.0	59.3	34,900	85.0	59.3	33,600
90.0	57.0	34,400	90.0	57.0	32,300	90.0	57.0	30,100	90.0	57.0	28,800
95.0	54.6	30,000	95.0	54.6	28,100	95.0	54.6	25,900	95.0	54.6	24,600
100.0	52.2	26,200	100.0	52.2	24,200	100.0	52.2	22,100	100.0	52.2	20,900
110.0	47.1	19,800	110.0	47.1	17,900	110.0	47.1	15,900	110.0	47.1	14,700
Reeves		6	Reeves		6	Reeves		6	Reeves		6

150' Boom											
110 ft Jib			120 ft Jib			130 ft Jib			140 ft Jib		
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)
40.0	78.0	132,500	40.0	78.0	129,000	40.0	78.0	125,700	40.0	78.0	122,700
42.0	77.3	126,900	42.0	77.3	123,600	42.0	77.3	120,400	42.0	77.3	117,600
44.0	76.5	121,300	44.0	76.5	118,200	44.0	76.5	115,100	44.0	76.5	112,500
46.0	75.7	115,600	46.0	75.7	112,800	46.0	75.7	109,700	46.0	75.7	107,300
48.0	74.9	108,000	48.0	74.9	105,200	48.0	74.9	102,200	48.0	74.9	99,800
50.0	74.1	100,300	50.0	74.1	97,600	50.0	74.1	94,700	50.0	74.1	92,400
55.0	72.1	83,900	55.0	72.1	81,300	55.0	72.1	78,400	55.0	72.1	76,300
60.0	70.0	70,600	60.0	70.0	68,200	60.0	70.0	65,400	60.0	70.0	63,400
65.0	68.0	59,700	65.0	68.0	57,500	65.0	68.0	54,800	65.0	68.0	52,800
70.0	65.8	50,900	70.0	65.8	48,700	70.0	65.8	46,200	70.0	65.8	44,200
75.0	63.7	43,300	75.0	63.7	41,100	75.0	63.7	38,700	75.0	63.7	36,800
80.0	61.5	36,900	80.0	61.5	34,700	80.0	61.5	32,300	80.0	61.5	30,600
85.0	59.3	31,400	85.0	59.3	29,200	85.0	59.3	27,000	85.0	59.3	25,200
90.0	57.0	26,600	90.0	57.0	24,600	90.0	57.0	22,200	90.0	57.0	20,600
95.0	54.6	22,400	95.0	54.6	20,500	95.0	54.6	18,100	95.0	54.6	16,500
100.0	52.2	18,700	100.0	52.2	16,800	100.0	52.2	14,600			
110.0	47.1	12,500									
Reeves		6	Reeves		6	Reeves		6	Reeves		6

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

150' Boom											
150 ft Jib			160 ft Jib			170 ft Jib			180 ft Jib		
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)
40.0	78.0	121,100	40.0	78.0	117,600	40.0	78.0	115,700	40.0	78.0	112,800
42.0	77.3	115,400	42.0	77.3	112,600	42.0	77.3	110,800	42.0	77.3	108,000
44.0	76.5	109,600	44.0	76.5	107,600	44.0	76.5	105,900	44.0	76.5	103,200
46.0	75.7	103,800	46.0	75.7	102,400	46.0	75.7	100,900	46.0	75.7	98,200
48.0	74.9	96,400	48.0	74.9	95,000	48.0	74.9	93,600	48.0	74.9	91,000
50.0	74.1	89,000	50.0	74.1	87,600	50.0	74.1	86,200	50.0	74.1	83,700
55.0	72.1	73,100	55.0	72.1	71,800	55.0	72.1	70,500	55.0	72.1	68,100
60.0	70.0	60,400	60.0	70.0	59,000	60.0	70.0	57,700	60.0	70.0	55,500
65.0	68.0	50,000	65.0	68.0	48,600	65.0	68.0	47,300	65.0	68.0	45,100
70.0	65.8	41,300	70.0	65.8	40,100	70.0	65.8	38,800	70.0	65.8	36,800
75.0	63.7	34,000	75.0	63.7	32,800	75.0	63.7	31,600	75.0	63.7	29,600
80.0	61.5	27,700	80.0	61.5	26,600	80.0	61.5	25,500	80.0	61.5	23,500
85.0	59.3	22,500	85.0	59.3	21,400	85.0	59.3	20,100	85.0	59.3	18,300
90.0	57.0	18,000	90.0	57.0	16,900	90.0	57.0	15,700	90.0	57.0	13,800
95.0	54.6	13,900	95.0	54.6	13,400						
Reeves		6	Reeves		6	Reeves		4	Reeves		4

150' Boom											
190 ft Jib			200 ft Jib								
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)						
40.0	78.0	108,900	40.0	78.0	105,200						
42.0	77.3	104,200	42.0	77.3	100,600						
44.0	76.5	99,500	44.0	76.5	95,900						
46.0	75.7	94,700	46.0	75.7	91,200						
48.0	74.9	87,500	48.0	74.9	84,100						
50.0	74.1	80,200	50.0	74.1	77,000						
55.0	72.1	64,700	55.0	72.1	61,600						
60.0	70.0	52,200	60.0	70.0	49,200						
65.0	68.0	42,000	65.0	68.0	39,100						
70.0	65.8	33,700	70.0	65.8	30,900						
75.0	63.7	26,600	75.0	63.7	24,000						
80.0	61.5	20,700									
85.0	59.3	15,500									
Reeves		4	Reeves		4						

Refer to notes on page 55 to 56.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

160' Boom											
70 ft Jib			80 ft Jib			90 ft Jib			100 ft Jib		
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)
40.0	78.8	142,100	40.0	78.8	139,800	40.0	78.8	137,200	40.0	78.8	134,000
42.0	78.1	135,600	42.0	78.1	133,200	42.0	78.1	130,800	42.0	78.1	127,800
44.0	77.3	129,200	44.0	77.3	126,500	44.0	77.3	124,300	44.0	77.3	121,700
46.0	76.6	122,700	46.0	76.6	119,900	46.0	76.6	117,900	46.0	76.6	115,500
48.0	75.8	115,800	48.0	75.8	113,000	48.0	75.8	111,100	48.0	75.8	108,700
50.0	75.1	108,900	50.0	75.1	106,200	50.0	75.1	104,300	50.0	75.1	101,900
55.0	73.2	93,200	55.0	73.2	90,500	55.0	73.2	88,900	55.0	73.2	86,500
60.0	71.3	79,600	60.0	71.3	77,000	60.0	71.3	75,500	60.0	71.3	73,300
65.0	69.4	68,400	65.0	69.4	66,100	65.0	69.4	64,400	65.0	69.4	62,400
70.0	67.5	59,300	70.0	67.5	57,000	70.0	67.5	55,300	70.0	67.5	53,400
75.0	65.5	51,500	75.0	65.5	49,200	75.0	65.5	47,700	75.0	65.5	45,700
80.0	63.5	44,800	80.0	63.5	42,600	80.0	63.5	41,100	80.0	63.5	39,100
85.0	61.4	39,100	85.0	61.4	36,900	85.0	61.4	35,300	85.0	61.4	33,600
90.0	59.3	34,200	90.0	59.3	32,000	90.0	59.3	30,600	90.0	59.3	28,700
95.0	57.2	29,800	95.0	57.2	27,700	95.0	57.2	26,300	95.0	57.2	24,400
100.0	55.0	26,000	100.0	55.0	24,000	100.0	55.0	22,400	100.0	55.0	20,700
110.0	50.4	19,400	110.0	50.4	17,400	110.0	50.4	15,900	110.0	50.4	14,300
120.0	45.4	14,300									
Reeves		6	Reeves		6	Reeves		6	Reeves		6

160' Boom											
110 ft Jib			120 ft Jib			130 ft Jib			140 ft Jib		
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)
40.0	78.8	132,000	40.0	78.8	128,500	40.0	78.8	125,400	40.0	78.8	121,800
42.0	78.1	125,500	42.0	78.1	122,200	42.0	78.1	119,200	42.0	78.1	115,900
44.0	77.3	119,100	44.0	77.3	116,000	44.0	77.3	112,900	44.0	77.3	110,100
46.0	76.6	112,600	46.0	76.6	109,700	46.0	76.6	106,600	46.0	76.6	104,200
48.0	75.8	105,900	48.0	75.8	103,100	48.0	75.8	100,100	48.0	75.8	97,700
50.0	75.1	99,200	50.0	75.1	96,400	50.0	75.1	93,500	50.0	75.1	91,200
55.0	73.2	83,900	55.0	73.2	81,300	55.0	73.2	78,400	55.0	73.2	76,300
60.0	71.3	70,600	60.0	71.3	68,200	60.0	71.3	65,400	60.0	71.3	63,400
65.0	69.4	59,700	65.0	69.4	57,500	65.0	69.4	54,800	65.0	69.4	52,800
70.0	67.5	50,900	70.0	67.5	48,700	70.0	67.5	46,200	70.0	67.5	44,200
75.0	65.5	43,200	75.0	65.5	41,100	75.0	65.5	38,700	75.0	65.5	36,800
80.0	63.5	36,700	80.0	63.5	34,700	80.0	63.5	32,300	80.0	63.5	30,600
85.0	61.4	31,100	85.0	61.4	29,200	85.0	61.4	27,000	85.0	61.4	25,200
90.0	59.3	26,400	90.0	59.3	24,400	90.0	59.3	22,200	90.0	59.3	20,600
95.0	57.2	22,200	95.0	57.2	20,200	95.0	57.2	18,000	95.0	57.2	16,500
100.0	55.0	18,500	100.0	55.0	16,500	100.0	55.0	14,400			
110.0	50.4	12,100									
Reeves		6	Reeves		6	Reeves		6	Reeves		6

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

160' Boom											
150 ft Jib			160 ft Jib			170 ft Jib			180 ft Jib		
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)
40.0	78.8	121,100	40.0	78.8	117,300	40.0	78.8	114,000	40.0	78.8	110,000
42.0	78.1	115,000	42.0	78.1	112,100	42.0	78.1	108,700	42.0	78.1	105,100
44.0	77.3	109,000	44.0	77.3	106,900	44.0	77.3	103,400	44.0	77.3	100,300
46.0	76.6	102,900	46.0	76.6	101,600	46.0	76.6	98,100	46.0	76.6	95,400
48.0	75.8	96,500	48.0	75.8	95,100	48.0	75.8	91,700	48.0	75.8	89,100
50.0	75.1	90,000	50.0	75.1	88,700	50.0	75.1	85,300	50.0	75.1	82,800
55.0	73.2	75,200	55.0	73.2	73,900	55.0	73.2	70,700	55.0	73.2	68,300
60.0	71.3	62,300	60.0	71.3	61,000	60.0	71.3	57,900	60.0	71.3	55,700
65.0	69.4	51,700	65.0	69.4	50,600	65.0	69.4	47,500	65.0	69.4	45,300
70.0	67.5	43,100	70.0	67.5	42,000	70.0	67.5	39,000	70.0	67.5	37,000
75.0	65.5	36,200	75.0	65.5	34,600	75.0	65.5	31,700	75.0	65.5	29,800
80.0	63.5	30,600	80.0	63.5	28,400	80.0	63.5	25,500	80.0	63.5	23,500
85.0	61.4	25,200	85.0	61.4	23,000	85.0	61.4	20,300	85.0	61.4	18,300
90.0	59.3	20,600	90.0	59.3	18,400	90.0	59.3	15,700	90.0	59.3	13,900
95.0	57.2	16,500	95.0	57.2	14,400						
Reeves		6	Reeves		6	Reeves		4	Reeves		4
160' Boom											
190 ft Jib			200 ft Jib								
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)						
40.0	78.8	107,000	40.0	78.8	102,700						
42.0	78.1	102,000	42.0	78.1	98,000						
44.0	77.3	97,000	44.0	77.3	93,300						
46.0	76.6	91,900	46.0	76.6	88,600						
48.0	75.8	85,600	48.0	75.8	82,300						
50.0	75.1	79,300	50.0	75.1	76,100						
55.0	73.2	64,900	55.0	73.2	61,900						
60.0	71.3	52,500	60.0	71.3	49,600						
65.0	69.4	42,400	65.0	69.4	39,600						
70.0	67.5	34,100	70.0	67.5	31,200						
75.0	65.5	27,000	75.0	65.5	24,200						
80.0	63.5	20,900									
85.0	61.4	15,700									
Reeves		4	Reeves		4						

Refer to notes on page 55 to 56.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

170' Boom											
70 ft Jib			80 ft Jib			90 ft Jib			100 ft Jib		
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)
40.0	79.5	141,900 *	40.0	79.5	138,900 *	40.0	79.5	136,300 *	40.0	79.5	133,200 *
42.0	78.8	132,700 *	42.0	78.8	130,000 *	42.0	78.8	127,400 *	42.0	78.8	124,600 *
44.0	78.1	123,500 *	44.0	78.1	121,200 *	44.0	78.1	118,500 *	44.0	78.1	115,900 *
46.0	77.4	114,400	46.0	77.4	112,500	46.0	77.4	109,800	46.0	77.4	107,400
48.0	76.7	109,900	48.0	76.7	108,000	48.0	76.7	105,400	48.0	76.7	103,000
50.0	76.0	105,400	50.0	76.0	103,600	50.0	76.0	100,900	50.0	76.0	98,600
55.0	74.2	92,800	55.0	74.2	91,100	55.0	74.2	88,500	55.0	74.2	86,300
60.0	72.5	79,400	60.0	72.5	77,700	60.0	72.5	75,300	60.0	72.5	73,100
65.0	70.7	68,100	65.0	70.7	66,600	65.0	70.7	64,300	65.0	70.7	62,100
70.0	68.9	59,100	70.0	68.9	57,500	70.0	68.9	55,200	70.0	68.9	53,100
75.0	67.0	51,300	75.0	67.0	49,800	75.0	67.0	47,400	75.0	67.0	45,400
80.0	65.2	44,600	80.0	65.2	43,000	80.0	65.2	40,900	80.0	65.2	38,900
85.0	63.3	38,900	85.0	63.3	37,300	85.0	63.3	35,300	85.0	63.3	33,400
90.0	61.3	34,000	90.0	61.3	32,400	90.0	61.3	30,400	90.0	61.3	28,600
95.0	59.4	29,600	95.0	59.4	28,100	95.0	59.4	26,100	95.0	59.4	24,300
100.0	57.4	25,700	100.0	57.4	24,200	100.0	57.4	22,200	100.0	57.4	20,500
110.0	53.2	19,200	110.0	53.2	17,600	110.0	53.2	15,800	110.0	53.2	14,100
120.0	48.7	14,100									
Reeves		6	Reeves		6	Reeves		6	Reeves		6

170' Boom											
110 ft Jib			120 ft Jib			130 ft Jib			140 ft Jib		
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)
40.0	79.5	131,000 *	40.0	79.5	127,500 *	40.0	79.5	124,400 *	40.0	79.5	122,800 *
42.0	78.8	122,000 *	42.0	78.8	118,800 *	42.0	78.8	115,800 *	42.0	78.8	114,600 *
44.0	78.1	113,100 *	44.0	78.1	110,200 *	44.0	78.1	107,100 *	44.0	78.1	106,400 *
46.0	77.4	104,300	46.0	77.4	101,700	46.0	77.4	98,600	46.0	77.4	98,400
48.0	76.7	100,000	48.0	76.7	97,400	48.0	76.7	94,400	48.0	76.7	94,200
50.0	76.0	95,700	50.0	76.0	93,200	50.0	76.0	90,200	50.0	76.0	90,000
55.0	74.2	83,500	55.0	74.2	81,200	55.0	74.2	78,300	55.0	74.2	78,100
60.0	72.5	70,400	60.0	72.5	68,200	60.0	72.5	65,400	60.0	72.5	65,200
65.0	70.7	59,700	65.0	70.7	57,300	65.0	70.7	54,800	65.0	70.7	54,600
70.0	68.9	50,900	70.0	68.9	48,600	70.0	68.9	46,000	70.0	68.9	45,900
75.0	67.0	43,200	75.0	67.0	41,000	75.0	67.0	38,600	75.0	67.0	38,500
80.0	65.2	36,700	80.0	65.2	34,500	80.0	65.2	32,300	80.0	65.2	32,100
85.0	63.3	31,100	85.0	63.3	29,200	85.0	63.3	26,700	85.0	63.3	26,700
90.0	61.3	26,400	90.0	61.3	24,400	90.0	61.3	22,100	90.0	61.3	22,000
95.0	59.4	22,200	95.0	59.4	20,200	95.0	59.4	18,000	95.0	59.4	17,900
100.0	57.4	18,500	100.0	57.4	16,500	100.0	57.4	14,300	100.0	57.4	14,300
110.0	53.2	12,100									
Reeves		6	Reeves		6	Reeves		6	Reeves		6

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

170' Boom											
150 ft Jib			160 ft Jib			170 ft Jib			180 ft Jib		
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)
40.0	79.5	120,400 *	40.0	79.5	116,800 *	40.0	79.5	113,300 *	40.0	79.5	109,400 *
42.0	78.8	112,500 *	42.0	78.8	109,100 *	42.0	78.8	105,500 *	42.0	78.8	102,100 *
44.0	78.1	104,500 *	44.0	78.1	101,300 *	44.0	78.1	97,800 *	44.0	78.1	94,800 *
46.0	77.4	96,600	46.0	77.4	93,700	46.0	77.4	90,200	46.0	77.4	87,600
48.0	76.7	92,400	48.0	76.7	89,600	48.0	76.7	86,200	48.0	76.7	83,700
50.0	76.0	88,300	50.0	76.0	85,500	50.0	76.0	82,100	50.0	76.0	79,800
55.0	74.2	76,400	55.0	74.2	73,800	55.0	74.2	70,600	55.0	74.2	68,400
60.0	72.5	63,600	60.0	72.5	61,200	60.0	72.5	58,200	60.0	72.5	56,000
65.0	70.7	53,100	65.0	70.7	50,600	65.0	70.7	47,800	65.0	70.7	45,500
70.0	68.9	44,400	70.0	68.9	42,000	70.0	68.9	39,300	70.0	68.9	37,200
75.0	67.0	36,900	75.0	67.0	34,600	75.0	67.0	32,000	75.0	67.0	30,000
80.0	65.2	30,600	80.0	65.2	28,400	80.0	65.2	25,800	80.0	65.2	23,800
85.0	63.3	25,200	85.0	63.3	23,000	85.0	63.3	20,500	85.0	63.3	18,600
90.0	61.3	20,600	90.0	61.3	18,400	90.0	61.3	16,000	90.0	61.3	14,100
95.0	59.4	16,500	95.0	59.4	14,400						
Reeves		6	Reeves		6	Reeves		4	Reeves		4
170' Boom											
190 ft Jib			200 ft Jib								
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)						
40.0	79.5	106,500 *	40.0	79.5	102,400 *						
42.0	78.8	99,000 *	42.0	78.8	95,100 *						
44.0	78.1	91,400 *	44.0	78.1	87,900 *						
46.0	77.4	84,000	46.0	77.4	80,700						
48.0	76.7	80,200	48.0	76.7	76,900						
50.0	76.0	76,400	50.0	76.0	73,100						
55.0	74.2	65,100	55.0	74.2	62,000						
60.0	72.5	52,700	60.0	72.5	49,900						
65.0	70.7	42,600	65.0	70.7	39,800						
70.0	68.9	34,300	70.0	68.9	31,600						
75.0	67.0	27,200	75.0	67.0	24,600						
80.0	65.2	21,100	80.0	65.2	18,500						
85.0	63.3	15,900	85.0	63.3	13,500						
Reeves		4	Reeves		4						

Refer to notes on page 55 to 56.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

180' Boom											
70 ft Jib			80 ft Jib			90 ft Jib			100 ft Jib		
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)
46.0	78.1	112,700	46.0	78.1	110,000	46.0	78.1	107,400	46.0	78.1	105,000
48.0	77.5	108,100	48.0	77.5	105,500	48.0	77.5	102,900	48.0	77.5	100,500
50.0	76.8	103,500	50.0	76.8	101,000	50.0	76.8	98,500	50.0	76.8	96,100
55.0	75.1	91,700	55.0	75.1	89,300	55.0	75.1	86,800	55.0	75.1	84,600
60.0	73.5	79,600	60.0	73.5	77,200	60.0	73.5	74,800	60.0	73.5	72,800
65.0	71.8	68,400	65.0	71.8	66,100	65.0	71.8	63,900	65.0	71.8	61,700
70.0	70.1	59,300	70.0	70.1	57,100	70.0	70.1	54,900	70.0	70.1	52,800
75.0	68.4	51,500	75.0	68.4	49,300	75.0	68.4	47,100	75.0	68.4	45,200
80.0	66.6	44,800	80.0	66.6	42,600	80.0	66.6	40,400	80.0	66.6	38,600
85.0	64.9	38,900	85.0	64.9	36,700	85.0	64.9	34,700	85.0	64.9	32,700
90.0	63.1	34,000	90.0	63.1	31,900	90.0	63.1	29,900	90.0	63.1	28,100
95.0	61.3	29,500	95.0	61.3	27,500	95.0	61.3	25,500	95.0	61.3	23,800
100.0	59.4	25,500	100.0	59.4	23,500	100.0	59.4	21,500	100.0	59.4	19,800
110.0	55.6	19,000	110.0	55.6	17,000	110.0	55.6	15,000	110.0	55.6	13,500
120.0	51.5	13,600									
Reeves		4	Reeves		4	Reeves		4	Reeves		4

180' Boom											
110 ft Jib			120 ft Jib			130 ft Jib			140 ft Jib		
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)
46.0	78.1	102,100	46.0	78.1	99,500	46.0	78.1	98,100	46.0	78.1	95,900
48.0	77.5	97,700	48.0	77.5	95,200	48.0	77.5	93,900	48.0	77.5	91,700
50.0	76.8	93,400	50.0	76.8	90,800	50.0	76.8	89,700	50.0	76.8	87,500
55.0	75.1	81,900	55.0	75.1	79,500	55.0	75.1	78,500	55.0	75.1	76,400
60.0	73.5	70,200	60.0	73.5	67,800	60.0	73.5	66,900	60.0	73.5	65,000
65.0	71.8	59,300	65.0	71.8	57,100	65.0	71.8	56,200	65.0	71.8	54,400
70.0	70.1	50,400	70.0	70.1	48,200	70.0	70.1	47,300	70.0	70.1	45,600
75.0	68.4	42,800	75.0	68.4	40,700	75.0	68.4	39,800	75.0	68.4	38,000
80.0	66.6	36,200	80.0	66.6	34,200	80.0	66.6	33,400	80.0	66.6	31,600
85.0	64.9	30,500	85.0	64.9	28,500	85.0	64.9	27,800	85.0	64.9	26,100
90.0	63.1	25,900	90.0	63.1	23,900	90.0	63.1	23,200	90.0	63.1	21,600
95.0	61.3	21,700	95.0	61.3	19,700	95.0	61.3	19,000	95.0	61.3	17,500
100.0	59.4	17,800	100.0	59.4	15,900	100.0	59.4	15,200			
Reeves		4	Reeves		4	Reeves		4	Reeves		4

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

180' Boom											
150 ft Jib			160 ft Jib			170 ft Jib			180 ft Jib		
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)
46.0	78.1	94,400	46.0	78.1	91,500	46.0	78.1	88,000	46.0	78.1	85,600
48.0	77.5	90,100	48.0	77.5	87,400	48.0	77.5	84,000	48.0	77.5	81,500
50.0	76.8	85,900	50.0	76.8	83,200	50.0	76.8	79,900	50.0	76.8	77,500
55.0	75.1	74,800	55.0	75.1	72,300	55.0	75.1	69,200	55.0	75.1	66,800
60.0	73.5	63,400	60.0	73.5	61,000	60.0	73.5	57,900	60.0	73.5	55,800
65.0	71.8	52,800	65.0	71.8	50,400	65.0	71.8	47,500	65.0	71.8	45,500
70.0	70.1	44,200	70.0	70.1	41,900	70.0	70.1	39,000	70.0	70.1	37,000
75.0	68.4	36,700	75.0	68.4	34,500	75.0	68.4	31,700	75.0	68.4	29,900
80.0	66.6	30,300	80.0	66.6	28,100	80.0	66.6	25,500	80.0	66.6	23,700
85.0	64.9	24,800	85.0	64.9	22,800	85.0	64.9	20,100	85.0	64.9	18,400
90.0	63.1	20,300	90.0	63.1	18,200	90.0	63.1	15,700	90.0	63.1	13,900
95.0	61.3	16,200	95.0	61.3	14,100						
Reeves		4	Reeves		4	Reeves		4	Reeves		4
180' Boom											
190 ft Jib			200 ft Jib								
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)						
46.0	78.1	82,000	46.0	78.1	78,700						
48.0	77.5	78,100	48.0	77.5	74,800						
50.0	76.8	74,100	50.0	76.8	70,900						
55.0	75.1	63,600	55.0	75.1	60,600						
60.0	73.5	52,700	60.0	73.5	49,900						
65.0	71.8	42,400	65.0	71.8	39,800						
70.0	70.1	34,100	70.0	70.1	31,500						
75.0	68.4	27,000	75.0	68.4	24,400						
80.0	66.6	20,900	80.0	66.6	18,500						
85.0	64.9	15,700	85.0	64.9	13,300						
Reeves		4	Reeves		4						

Refer to notes on page 55 to 56.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

190' Boom											
70 ft Jib			80 ft Jib			90 ft Jib			100 ft Jib		
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)
46.0	78.8	110,900 *	46.0	78.8	108,200 *	46.0	78.8	105,600 *	46.0	78.8	103,200 *
48.0	78.1	105,600 *	48.0	78.1	102,900 *	48.0	78.1	100,400 *	48.0	78.1	98,000 *
50.0	77.5	100,300 *	50.0	77.5	97,600 *	50.0	77.5	95,100 *	50.0	77.5	92,800 *
55.0	76.0	88,800	55.0	76.0	86,300	55.0	76.0	83,900	55.0	76.0	81,700
60.0	74.4	78,900	60.0	74.4	76,600	60.0	74.4	74,200	60.0	74.4	72,100
65.0	72.8	68,300	65.0	72.8	65,900	65.0	72.8	63,600	65.0	72.8	61,600
70.0	71.2	59,200	70.0	71.2	56,900	70.0	71.2	54,700	70.0	71.2	52,700
75.0	69.6	51,300	75.0	69.6	49,100	75.0	69.6	47,000	75.0	69.6	45,000
80.0	68.0	44,500	80.0	68.0	42,300	80.0	68.0	40,400	80.0	68.0	38,400
85.0	66.3	38,700	85.0	66.3	36,500	85.0	66.3	34,500	85.0	66.3	32,700
90.0	64.6	33,900	90.0	64.6	31,700	90.0	64.6	29,700	90.0	64.6	27,900
95.0	62.9	29,400	95.0	62.9	27,300	95.0	62.9	25,400	95.0	62.9	23,700
100.0	61.2	25,300	100.0	61.2	23,300	100.0	61.2	21,500	100.0	61.2	19,800
110.0	57.6	18,700	110.0	57.6	16,800	110.0	57.6	15,000	110.0	57.6	13,200
120.0	53.9	13,400									
Reeves		4	Reeves		4	Reeves		4	Reeves		4

190' Boom											
110 ft Jib			120 ft Jib			130 ft Jib			140 ft Jib		
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)
46.0	78.8	100,500 *	46.0	78.8	99,400 *	46.0	78.8	96,600 *	46.0	78.8	94,400 *
48.0	78.1	95,300 *	48.0	78.1	94,300 *	48.0	78.1	91,500 *	48.0	78.1	89,300 *
50.0	77.5	90,000 *	50.0	77.5	89,200 *	50.0	77.5	86,300 *	50.0	77.5	84,300 *
55.0	76.0	78,900	55.0	76.0	78,200	55.0	76.0	75,400	55.0	76.0	73,500
60.0	74.4	69,400	60.0	74.4	68,800	60.0	74.4	66,100	60.0	74.4	64,400
65.0	72.8	59,200	65.0	72.8	58,500	65.0	72.8	55,900	65.0	72.8	54,100
70.0	71.2	50,300	70.0	71.2	49,600	70.0	71.2	47,300	70.0	71.2	45,500
75.0	69.6	42,700	75.0	69.6	42,000	75.0	69.6	39,800	75.0	69.6	38,000
80.0	68.0	36,200	80.0	68.0	35,500	80.0	68.0	33,300	80.0	68.0	31,600
85.0	66.3	30,500	85.0	66.3	29,800	85.0	66.3	27,600	85.0	66.3	26,100
90.0	64.6	25,900	90.0	64.6	25,200	90.0	64.6	23,000	90.0	64.6	21,600
95.0	62.9	21,600	95.0	62.9	21,000	95.0	62.9	18,800	95.0	62.9	17,500
100.0	61.2	17,600	100.0	61.2	17,100	100.0	61.2	15,000			
Reeves		4	Reeves		4	Reeves		4	Reeves		4

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

190' Boom											
150 ft Jib			160 ft Jib			170 ft Jib			180 ft Jib		
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)
46.0	78.8	92,800 *	46.0	78.8	90,000 *	46.0	78.8	86,600 *	46.0	78.8	84,000 *
48.0	78.1	87,800 *	48.0	78.1	85,000 *	48.0	78.1	81,700 *	48.0	78.1	79,200 *
50.0	77.5	82,900 *	50.0	77.5	80,100 *	50.0	77.5	76,800 *	50.0	77.5	74,500 *
55.0	76.0	72,200	55.0	76.0	69,600	55.0	76.0	66,400	55.0	76.0	64,200
60.0	74.4	63,000	60.0	74.4	60,500	60.0	74.4	57,600	60.0	74.4	55,400
65.0	72.8	52,800	65.0	72.8	50,600	65.0	72.8	47,700	65.0	72.8	45,500
70.0	71.2	44,200	70.0	71.2	42,000	70.0	71.2	39,100	70.0	71.2	37,200
75.0	69.6	36,800	75.0	69.6	34,600	75.0	69.6	31,800	75.0	69.6	30,000
80.0	68.0	30,500	80.0	68.0	28,300	80.0	68.0	25,700	80.0	68.0	23,700
85.0	66.3	24,800	85.0	66.3	22,800	85.0	66.3	20,100	85.0	66.3	18,400
90.0	64.6	20,300	90.0	64.6	18,300	90.0	64.6	15,700	90.0	64.6	13,900
95.0	62.9	16,200	95.0	62.9	14,200						
Reeves		4	Reeves		4	Reeves		4	Reeves		4

190' Boom											
190 ft Jib			200 ft Jib								
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)						
46.0	78.8	80,500 *	46.0	78.8	77,400 *						
48.0	78.1	75,800 *	48.0	78.1	72,700 *						
50.0	77.5	71,100 *	50.0	77.5	68,000 *						
55.0	76.0	61,000	55.0	76.0	58,000						
60.0	74.4	52,300	60.0	74.4	49,500						
65.0	72.8	42,600	65.0	72.8	39,900						
70.0	71.2	34,300	70.0	71.2	31,700						
75.0	69.6	27,200	75.0	69.6	24,700						
80.0	68.0	21,100	80.0	68.0	18,700						
85.0	66.3	15,700	85.0	66.3	13,300						
Reeves		4	Reeves		4						

Refer to notes on page 55 to 56.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

200' Boom											
100 ft Jib			110 ft Jib			120 ft Jib			130 ft Jib		
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)
46.0	79.3	101,600 *	46.0	79.3	101,400 *	46.0	79.3	98,300 *	46.0	79.3	95,900 *
48.0	78.7	96,400 *	48.0	78.7	95,900 *	48.0	78.7	93,000 *	48.0	78.7	90,500 *
50.0	78.1	91,100 *	50.0	78.1	90,400 *	50.0	78.1	87,700 *	50.0	78.1	85,100 *
55.0	76.7	79,700	55.0	76.7	78,600	55.0	76.7	76,300	55.0	76.7	73,700
60.0	75.2	70,100	60.0	75.2	69,000	60.0	75.2	66,800	60.0	75.2	64,400
65.0	73.7	61,000	65.0	73.7	59,900	65.0	73.7	57,900	65.0	73.7	55,500
70.0	72.2	52,400	70.0	72.2	51,400	70.0	72.2	49,500	70.0	72.2	47,000
75.0	70.7	44,700	75.0	70.7	43,800	75.0	70.7	41,800	75.0	70.7	39,500
80.0	69.1	38,000	80.0	69.1	37,100	80.0	69.1	35,100	80.0	69.1	32,900
85.0	67.6	32,500	85.0	67.6	31,600	85.0	67.6	29,600	85.0	67.6	27,400
90.0	66.0	27,600	90.0	66.0	26,800	90.0	66.0	24,900	90.0	66.0	22,800
95.0	64.4	23,200	95.0	64.4	22,400	95.0	64.4	20,600	95.0	64.4	18,600
100.0	62.8	19,400	100.0	62.8	18,500	100.0	62.8	16,700	100.0	62.8	14,800
110.0	59.5	13,000	110.0	59.5	12,300						
Reeves		4	Reeves		4	Reeves		4	Reeves		4
200' Boom											
140 ft Jib			150 ft Jib			160 ft Jib			170 ft Jib		
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)
46.0	79.3	92,600 *	46.0	79.3	90,800 *	46.0	79.3	88,000 *	46.0	79.3	84,700 *
48.0	78.7	87,600 *	48.0	78.7	85,900 *	48.0	78.7	83,100 *	48.0	78.7	79,900 *
50.0	78.1	82,600 *	50.0	78.1	81,000 *	50.0	78.1	78,300 *	50.0	78.1	75,100 *
55.0	76.7	71,700	55.0	76.7	70,300	55.0	76.7	67,700	55.0	76.7	64,700
60.0	75.2	62,500	60.0	75.2	61,100	60.0	75.2	58,700	60.0	75.2	55,800
65.0	73.7	53,700	65.0	73.7	52,400	65.0	73.7	50,000	65.0	73.7	47,100
70.0	72.2	45,300	70.0	72.2	44,100	70.0	72.2	41,800	70.0	72.2	39,000
75.0	70.7	37,800	75.0	70.7	36,600	75.0	70.7	34,400	75.0	70.7	31,700
80.0	69.1	31,400	80.0	69.1	30,100	80.0	69.1	28,000	80.0	69.1	25,300
85.0	67.6	25,900	85.0	67.6	24,700	85.0	67.6	22,800	85.0	67.6	20,100
90.0	66.0	21,300	90.0	66.0	20,000	90.0	66.0	18,000	90.0	66.0	15,500
95.0	64.4	17,000	95.0	64.4	15,800	95.0	64.4	13,800			
Reeves		4	Reeves		4	Reeves		4	Reeves		4

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Boom with Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

200' Boom											
180 ft Jib			190 ft Jib			200 ft Jib					
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)			
46.0	79.3	82,000 *	46.0	79.3	78,700 *	46.0	79.3	75,400 *			
48.0	78.7	77,400 *	48.0	78.7	74,100 *	48.0	78.7	70,900 *			
50.0	78.1	72,700 *	50.0	78.1	69,400 *	50.0	78.1	66,400 *			
55.0	76.7	62,500	55.0	76.7	59,300	55.0	76.7	56,400			
60.0	75.2	53,700	60.0	75.2	50,600	60.0	75.2	47,800			
65.0	73.7	45,100	65.0	73.7	42,200	65.0	73.7	39,500			
70.0	72.2	37,100	70.0	72.2	34,300	70.0	72.2	31,800			
75.0	70.7	29,900	75.0	70.7	27,100	75.0	70.7	24,700			
80.0	69.1	23,500	80.0	69.1	20,900	80.0	69.1	18,500			
85.0	67.6	18,300	85.0	67.6	15,700	85.0	67.6	13,500			
90.0	66.0	13,800									
Reeves			Reeves			Reeves					
4			4			4					

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

70' Boom																								
110 ft Jib											120 ft Jib													
Boom Angle (deg.)											Boom Angle (deg.)													
88		83		78		73		68		63		88		83		78		73		68		63		
Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	
46.0	118,900*											46.0	105,100*											
48.0	117,500*											48.0	104,100*											
50.0	116,100*											50.0	103,200*											
55.0	112,100*											55.0	100,600*											
60.0	107,600*	60.0	114,000									60.0	97,700*											
65.0	103,000*	65.0	105,300									65.0	94,700*											
70.0	95,800*	70.0	96,300									70.0	91,400*	70.0	94,700									
75.0	88,200*	75.0	88,200	75.0	86,000							75.0	87,100*	75.0	87,900									
80.0	80,800*	80.0	81,100	80.0	79,200							80.0	81,600*	80.0	80,900	80.0	79,200							
85.0	74,400*	85.0	75,300	85.0	73,300							85.0	75,100*	85.0	75,000	85.0	73,300							
90.0	69,000*	90.0	70,200	90.0	68,300							90.0	69,600*	90.0	69,900	90.0	68,300							
95.0	63,700*	95.0	65,600	95.0	63,900	95.0	62,700					95.0	64,700*	95.0	65,300	95.0	63,900	95.0	62,400					
100.0	58,300*	100.0	61,400	100.0	59,900	100.0	58,800					100.0	60,100*	100.0	61,200	100.0	59,900	100.0	58,400					
110.0	46,700*	110.0	54,500	110.0	53,100	110.0	52,100	110.0	50,700			110.0	51,200*	110.0	54,300	110.0	53,100	110.0	51,800					
				120.0	47,700	120.0	46,700	120.0	45,600	120.0	44,700	120.0	41,500*	120.0	48,400	120.0	47,600	120.0	46,500	120.0	45,400			
						130.0	42,300	130.0	41,200	130.0	40,400	140.0	36,700											
																					150.0	34,200	150.0	33,300
Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	

70' Boom																								
130 ft Jib											140 ft Jib													
Boom Angle (deg.)											Boom Angle (deg.)													
88		83		78		73		68		63		88		83		78		73		68		63		
Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	
55.0	86,400*											55.0	74,100*											
60.0	84,900*											60.0	73,000*											
65.0	83,100*											65.0	71,900*											
70.0	80,900*	70.0	84,400*									70.0	70,900*											
75.0	78,600*	75.0	82,400*									75.0	69,600*	75.0	71,300*									
80.0	76,000*	80.0	79,300									80.0	68,100*	80.0	70,300*									
85.0	73,100*	85.0	74,700									85.0	66,600*	85.0	69,400*									
90.0	69,600*	90.0	69,700	90.0	68,200							90.0	64,300*	90.0	67,300*	90.0	67,500							
95.0	65,300*	95.0	65,200	95.0	63,700							95.0	62,000*	95.0	64,400	95.0	63,700							
100.0	60,800*	100.0	61,200	100.0	59,700	100.0	58,400					100.0	59,600*	100.0	61,000	100.0	59,600							
110.0	53,500*	110.0	54,300	110.0	53,000	110.0	51,800					110.0	53,500*	110.0	54,100	110.0	52,900	110.0	51,600					
120.0	45,500*	120.0	48,700	120.0	47,600	120.0	46,500	120.0	45,400			120.0	47,200*	120.0	48,600	120.0	47,300	120.0	46,200	120.0	45,100			
130.0	37,100*	130.0	44,000	130.0	43,000	130.0	41,900	130.0	40,800	140.0	36,300	140.0	33,400*	140.0	39,300	140.0	39,000	140.0	38,000	140.0	37,100	140.0	36,200	
				140.0	39,100	140.0	38,200	140.0	37,200	140.0	36,300	150.0	33,300	150.0	32,400*	150.0	35,700	150.0	34,800	150.0	34,000	150.0	33,100	
						150.0	34,900	150.0	34,200	150.0	33,300	160.0	30,600							160.0	32,100	160.0	30,400	
																					170.0	29,000	170.0	28,100
Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

70' Boom																							
190 ft Jib												200 ft Jib											
Boom Angle (deg.)												Boom Angle (deg.)											
88		83		78		73		68		63		88		83		78		73		68		63	
Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)
70.0	45,300*											70.0	40,400*										
75.0	44,100*											75.0	39,600*										
80.0	42,500*											80.0	38,400*										
85.0	40,800*											85.0	36,900*										
90.0	39,200*	90.0	40,700*									90.0	35,300*										
95.0	37,600*	95.0	39,000*									95.0	33,900*	95.0	35,300*								
100.0	36,100*	100.0	37,400*									100.0	32,600*	100.0	33,900*								
110.0	33,400*	110.0	34,500*									110.0	30,300*	110.0	31,200*								
120.0	30,800*	120.0	31,900*	120.0	33,200*							120.0	28,000*	120.0	29,000*	120.0	30,000*						
130.0	28,600*	130.0	29,700*	130.0	30,700*							130.0	26,000*	130.0	27,100*	130.0	28,000*						
140.0	26,600*	140.0	27,600*	140.0	28,600*	140.0	29,500*					140.0	24,300*	140.0	25,200*	140.0	26,000*	140.0	26,800*				
150.0	24,800*	150.0	25,700*	150.0	26,600*	150.0	27,500*					150.0	22,800*	150.0	23,500*	150.0	24,400*	150.0	25,000*				
160.0	23,100*	160.0	24,000*	160.0	24,900*	160.0	25,800*	160.0	26,600*			160.0	21,200*	160.0	22,000*	160.0	22,800*	160.0	23,400*	160.0	24,200*		
170.0	21,600*	170.0	22,500*	170.0	23,200*	170.0	24,100*	170.0	24,700*			170.0	19,900*	170.0	20,500*	170.0	21,400*	170.0	22,100*	170.0	22,700*		
180.0	20,100*	180.0	21,000*	180.0	21,800*	180.0	22,500*	180.0	23,300*	180.0	23,900*	180.0	18,600*	180.0	19,400*	180.0	20,100*	180.0	20,700*	180.0	21,400*	180.0	21,800*
190.0	18,100*	190.0	19,600*	190.0	20,500*	190.0	21,200*	190.0	21,800*	190.0	22,500*	190.0	17,400*	190.0	18,100*	190.0	18,700*	190.0	19,400*	190.0	20,100*	190.0	20,700*
				200.0	18,600*	200.0	19,800*	200.0	20,500*	200.0	21,100	200.0	16,100*	200.0	16,900*	200.0	17,700*	200.0	18,300*	200.0	18,800*	200.0	19,500*
								210.0	19,100*	210.0	19,800					210.0	16,500*	210.0	17,100*	210.0	17,800*	210.0	18,200*
												220.0	18,200							220.0	16,800*	220.0	17,200*
Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

80' Boom																							
190 ft Jib												200 ft Jib											
Boom Angle (deg.)												Boom Angle (deg.)											
88		83		78		73		68		63		88		83		78		73		68		63	
Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)
70.0	45,000*											70.0	40,400*										
75.0	43,800*											75.0	39,500*										
80.0	42,300*											80.0	38,100*										
85.0	40,600*											85.0	36,600*										
90.0	39,100*											90.0	35,300*										
95.0	37,500*	95.0	38,900*									95.0	33,800*	95.0	35,200*								
100.0	35,900*	100.0	37,400*									100.0	32,400*	100.0	33,700*								
110.0	33,200*	110.0	34,500*									110.0	30,100*	110.0	31,200*								
120.0	30,800*	120.0	31,900*	120.0	33,000*							120.0	28,000*	120.0	28,900*	120.0	29,900*						
130.0	28,600*	130.0	29,600*	130.0	30,700*							130.0	26,000*	130.0	26,900*	130.0	27,800*						
140.0	26,600*	140.0	27,500*	140.0	28,600*	140.0	29,500*					140.0	24,300*	140.0	25,200*	140.0	26,000*	140.0	26,700*				
150.0	24,800*	150.0	25,700*	150.0	26,600*	150.0	27,500*					150.0	22,600*	150.0	23,500*	150.0	24,100*	150.0	25,000*				
160.0	23,200*	160.0	24,000*	160.0	24,900*	160.0	25,800*	160.0	26,400*			160.0	21,200*	160.0	21,900*	160.0	22,700*	160.0	23,400*	160.0	24,100*		
170.0	21,700*	170.0	22,500*	170.0	23,200*	170.0	24,100*	170.0	24,700*			170.0	19,900*	170.0	20,500*	170.0	21,200*	170.0	21,900*	170.0	22,500*		
180.0	20,300*	180.0	21,100*	180.0	21,800*	180.0	22,500*	180.0	23,300*	180.0	23,900	180.0	18,600*	180.0	19,400*	180.0	20,100*	180.0	20,600*	180.0	21,200*	180.0	21,800*
190.0	18,300*	190.0	19,600*	190.0	20,500*	190.0	21,200*	190.0	21,800*	190.0	22,300	190.0	17,400*	190.0	18,100*	190.0	18,700*	190.0	19,400*	190.0	20,000*	190.0	20,500*
				200.0	18,800*	200.0	19,800*	200.0	20,500*	200.0	20,700	200.0	16,300*	200.0	17,000*	200.0	17,700*	200.0	18,300*	200.0	18,800*	200.0	19,400*
								210.0	19,100*	210.0	19,100					210.0	16,700*	210.0	17,100*	210.0	17,800*	210.0	18,200*
										220.0	18,000							220.0	16,000*	220.0	16,800*	220.0	17,200*
																					230.0	16,200*	
Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2

Refer to notes on page 55 to 56.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

Table with columns for Boom Length (130', 70 ft Jib, 80 ft Jib, 90 ft Jib, 100 ft Jib), Boom Angle (deg.), Load Radius (ft), and Rated Load (lbs). Includes sub-sections for 130' Boom and 130' Boom with 90 ft Jib and 100 ft Jib.

Refer to notes on page 55 to 56.

CK2750G-3

LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

130' Boom																							
190 ft Jib												200 ft Jib											
Boom Angle (deg.)												Boom Angle (deg.)											
88		83		78		73		68		63		88		83		78		73		68		63	
Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)
70.0	41,400*																						
75.0	40,900*											75.0	37,000*										
80.0	40,400*											80.0	36,600*										
85.0	39,900*											85.0	35,900*										
90.0	38,400*											90.0	34,600*										
95.0	36,900*											95.0	33,300*										
100.0	35,400*	100.0	37,000*									100.0	32,000*	100.0	33,500*								
110.0	32,700*	110.0	34,100*									110.0	29,600*	110.0	30,800*								
120.0	30,400*	120.0	31,500*									120.0	27,400*	120.0	28,600*								
130.0	28,200*	130.0	29,300*	130.0	30,400*							130.0	25,600*	130.0	26,600*	130.0	27,500*						
140.0	26,300*	140.0	27,300*	140.0	28,200*							140.0	23,800*	140.0	24,700*	140.0	25,600*						
150.0	24,600*	150.0	25,500*	150.0	26,300*	150.0	27,300*					150.0	22,300*	150.0	23,000*	150.0	23,900*						
160.0	23,000*	160.0	23,800*	160.0	24,700*	160.0	25,300*					160.0	21,000*	160.0	21,700*	160.0	22,300*	160.0	23,100*				
170.0	21,600*	170.0	22,300*	170.0	23,000*	170.0	23,800*					170.0	19,700*	170.0	20,300*	170.0	21,000*	170.0	21,600*				
180.0	20,300*	180.0	21,000*	180.0	21,600*	180.0	22,300*	180.0	22,000			180.0	18,600*	180.0	19,200*	180.0	19,700*	180.0	20,300*	180.0	20,700*		
190.0	18,500*	190.0	19,600*	190.0	20,300*	190.0	20,900*	190.0	20,300			190.0	17,400*	190.0	18,100*	190.0	18,500*	190.0	19,200*	190.0	19,600*		
		200.0	17,600*	200.0	18,700*	200.0	19,400*	200.0	18,700	200.0	17,400	200.0	15,800*	200.0	17,000*	200.0	17,500*	200.0	17,900*	200.0	18,400		
				210.0	16,900*	210.0	17,600*	210.0	17,400	210.0	16,000			210.0	15,800*	210.0	16,500*	210.0	16,900*	210.0	17,100	210.0	15,800
						220.0	15,900*	220.0	16,200	220.0	14,900					220.0	15,000*	220.0	15,800*	220.0	15,900	220.0	14,600
								230.0	15,100	230.0	13,800							230.0	14,900	230.0	14,900	230.0	13,600
										240.0	12,800									240.0	13,300*	240.0	12,600
																						250.0	11,600
Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

140' Boom																							
190 ft Jib												200 ft Jib											
Boom Angle (deg.)												Boom Angle (deg.)											
88		83		78		73		68		63		88		83		78		73		68		63	
Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)
70.0	40,700*																						
75.0	40,200*											75.0	36,400*										
80.0	39,700*											80.0	36,000*										
85.0	39,200*											85.0	35,700*										
90.0	38,100*											90.0	34,400*										
95.0	36,700*											95.0	33,100*										
100.0	35,200*	100.0	37,000*									100.0	31,800*	100.0	33,300*								
110.0	32,600*	110.0	34,100*									110.0	29,400*	110.0	30,700*								
120.0	30,200*	120.0	31,500*									120.0	27,300*	120.0	28,400*								
130.0	28,000*	130.0	29,100*	130.0	30,300*							130.0	25,500*	130.0	26,400*								
140.0	26,300*	140.0	27,100*	140.0	28,200*							140.0	23,800*	140.0	24,700*	140.0	25,600*						
150.0	24,600*	150.0	25,500*	150.0	26,100*							150.0	22,300*	150.0	23,000*	150.0	23,900*						
160.0	23,000*	160.0	23,800*	160.0	24,400*	160.0	25,300*					160.0	20,900*	160.0	21,700*	160.0	22,300*	160.0	23,000*				
170.0	21,400*	170.0	22,300*	170.0	23,000*	170.0	23,600*					170.0	19,700*	170.0	20,300*	170.0	21,000*	170.0	21,400*				
180.0	20,300*	180.0	21,000*	180.0	21,600*	180.0	22,200*	180.0	21,300			180.0	18,500*	180.0	19,100*	180.0	19,600*	180.0	20,200*				
190.0	18,500*	190.0	19,600*	190.0	20,300*	190.0	20,700*	190.0	19,600			190.0	17,400*	190.0	18,100*	190.0	18,500*	190.0	18,900*	190.0	19,200		
		200.0	17,600*	200.0	18,500*	200.0	19,000*	200.0	18,000	200.0	16,500	200.0	14,500*	200.0	17,000*	200.0	17,500*	200.0	17,900*	200.0	17,800		
				210.0	16,700*	210.0	17,400*	210.0	16,900	210.0	15,200											210.0	14,900
						220.0	15,700*	220.0	15,700	220.0	14,200											220.0	13,700
								230.0	14,700	230.0	12,900											230.0	12,700
								240.0	13,200*	240.0	12,100											240.0	11,700
										250.0	11,100											250.0	10,900
																						260.0	10,000
Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

150' Boom												190 ft Jib												200 ft Jib											
												Boom Angle (deg.)						Boom Angle (deg.)						Boom Angle (deg.)											
88		83		78		73		68		63		88		83		78		73		68		63													
Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)												
70.0	39,900*																																		
75.0	39,300*											75.0	35,700*																						
80.0	38,800*											80.0	35,400*																						
85.0	38,300*											85.0	35,000*																						
90.0	37,800*											90.0	34,200*																						
95.0	36,700*											95.0	33,100*																						
100.0	35,200*	100.0	37,000*									100.0	31,800*	100.0	33,300*																				
110.0	32,600*	110.0	34,100*									110.0	29,400*	110.0	30,700*																				
120.0	30,100*	120.0	31,500*									120.0	27,300*	120.0	28,400*																				
130.0	28,000*	130.0	29,100*	130.0	30,300*							130.0	25,300*	130.0	26,400*																				
140.0	26,200*	140.0	27,100*	140.0	28,200*							140.0	23,700*	140.0	24,700*	140.0	25,500*																		
150.0	24,400*	150.0	25,300*	150.0	26,100*							150.0	22,200*	150.0	23,000*	150.0	23,700*																		
160.0	22,900*	160.0	23,600*	160.0	24,400*	160.0	25,300*					160.0	20,800*	160.0	21,400*	160.0	22,200*	160.0	22,900*																
170.0	21,400*	170.0	22,300*	170.0	23,000*	170.0	23,600*					170.0	19,600*	170.0	20,300*	170.0	20,800*	170.0	21,400*																
180.0	20,200*	180.0	21,000*	180.0	21,600*	180.0	22,100*	180.0	20,600			180.0	18,400*	180.0	19,100*	180.0	19,600*	180.0	20,100*																
190.0	18,500*	190.0	19,400*	190.0	20,100*	190.0	20,500*	190.0	19,000			190.0	16,600*	190.0	17,800*	190.0	18,500*	190.0	18,900*	190.0	18,700														
		200.0	17,600*	200.0	18,400*	200.0	18,800*	200.0	17,600			200.0	13,300*	200.0	16,800*	200.0	17,500*	200.0	17,800*	200.0	17,400														
				210.0	16,500*	210.0	17,100*	210.0	16,300	210.0	14,500			210.0	15,800*	210.0	16,500*	210.0	16,700*	210.0	16,000	210.0	14,100												
				220.0	14,800*	220.0	15,700*	220.0	15,100	220.0	13,400					220.0	14,800*	220.0	15,400*	220.0	14,800	220.0	13,000												
						230.0	14,000*	230.0	14,000	230.0	12,300							230.0	13,800*	230.0	13,600	230.0	12,000												
								240.0	13,000	240.0	11,400							240.0	12,300	240.0	12,600	240.0	11,000												
										250.0	10,500									250.0	11,500*	250.0	10,200												
																						260.0	9,400												

Refer to notes on page 55 to 56.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

Table with 4 main sections: 160' Boom (70 ft Jib), 160' Boom (80 ft Jib), 160' Boom (90 ft Jib), and 160' Boom (100 ft Jib). Each section contains columns for Boom Angle (deg.) (88, 83, 78, 73, 68, 63) and rows for Load Radius (ft) (40.0 to 95.0). Each cell contains Load Radius (ft) and Rated Load (lbs). Bottom rows show Reeves counts for each angle.

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

160' Boom																								
190 ft Jib												200 ft Jib												
Boom Angle (deg.)												Boom Angle (deg.)												
88		83		78		73		68		63		88		83		78		73		68		63		
Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	
75.0	38,700*											75.0	35,000*											
80.0	38,200*											80.0	34,700*											
85.0	37,700*											85.0	34,400*											
90.0	37,200*											90.0	33,900*											
95.0	36,200*											95.0	32,800*											
100.0	35,000*	100.0	36,800*									100.0	31,500*											
110.0	32,300*	110.0	33,900*									110.0	29,200*	110.0	30,700*									
120.0	30,000*	120.0	31,300*									120.0	27,100*	120.0	28,400*									
130.0	28,000*	130.0	29,100*									130.0	25,300*	130.0	26,200*									
140.0	26,000*	140.0	27,100*	140.0	27,900*							140.0	23,600*	140.0	24,500*	140.0	25,400*							
150.0	24,400*	150.0	25,200*	150.0	26,100*							150.0	22,100*	150.0	22,800*	150.0	23,700*							
160.0	22,800*	160.0	23,600*	160.0	24,400*	160.0	25,100*					160.0	20,800*	160.0	21,400*	160.0	22,100*							
170.0	21,400*	170.0	22,100*	170.0	22,800*	170.0	23,400*					170.0	19,400*	170.0	20,100*	170.0	20,800*	170.0	21,200*					
180.0	20,100*	180.0	20,700*	180.0	21,400*	180.0	21,700*					180.0	18,200*	180.0	19,000*	180.0	19,500*	180.0	19,900*					
190.0	17,700*	190.0	19,400*	190.0	19,800*	190.0	20,100*	190.0	18,300			190.0	15,300*	190.0	17,800*	190.0	18,300*	190.0	18,700*					
		200.0	17,400*	200.0	18,200*	200.0	18,600*	200.0	16,900			200.0	12,000*	200.0	16,800*	200.0	17,300*	200.0	17,700*	200.0	16,500			
				210.0	16,500*	210.0	16,900*	210.0	15,600	210.0	13,600									210.0	15,200			
				220.0	14,600*	220.0	15,400*	220.0	14,400	220.0	12,400									220.0	14,000	220.0	12,100	
						230.0	13,800*	230.0	13,400	230.0	11,400									230.0	12,900	230.0	11,200	
								240.0	12,400	240.0	10,600									240.0	11,900	240.0	10,200	
										250.0	9,800										250.0	9,400	250.0	8,600
										260.0	8,800										260.0	8,600	260.0	8,600
Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

170' Boom																								
190 ft Jib												200 ft Jib												
Boom Angle (deg.)												Boom Angle (deg.)												
88		83		78		73		68		63		88		83		78		73		68		63		
Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	
75.0	37,800*											75.0	34,300*											
80.0	37,300*											80.0	33,800*											
85.0	36,800*											85.0	33,300*											
90.0	36,300*											90.0	32,800*											
95.0	35,800*											95.0	32,300*											
100.0	35,000*	100.0	36,700*									100.0	31,500*											
110.0	32,300*	110.0	33,900*									110.0	29,200*	110.0	30,600*									
120.0	29,900*	120.0	31,300*									120.0	27,100*	120.0	28,200*									
130.0	27,800*	130.0	28,900*									130.0	25,300*	130.0	26,200*									
140.0	26,000*	140.0	26,900*	140.0	27,900*							140.0	23,600*	140.0	24,500*	140.0	25,400*							
150.0	24,400*	150.0	25,200*	150.0	25,900*							150.0	22,100*	150.0	22,800*	150.0	23,700*							
160.0	22,800*	160.0	23,600*	160.0	24,200*	160.0	24,900*					160.0	20,800*	160.0	21,400*	160.0	22,000*							
170.0	21,400*	170.0	22,100*	170.0	22,700*	170.0	23,200					170.0	19,400*	170.0	20,100*	170.0	20,500*	170.0	21,200*					
180.0	19,500*	180.0	20,700*	180.0	21,300*	180.0	21,300					180.0	17,500*	180.0	18,800*	180.0	19,400*	180.0	19,900*					
190.0	16,100*	190.0	19,200*	190.0	19,600*	190.0	19,600					190.0	13,900*	190.0	17,800*	190.0	18,300*	190.0	18,700*					
		200.0	17,300*	200.0	17,900*	200.0	18,200	200.0	16,100			200.0	10,700*	200.0	16,800*	200.0	17,300*	200.0	17,400*	200.0	15,600			
				210.0	16,300*	210.0	16,700*	210.0	14,700					210.0	15,200*	210.0	15,800*	210.0	16,000*	210.0	14,500			
				220.0	14,600*	220.0	15,000*	220.0	13,700	220.0	11,500						220.0	14,400*	220.0	14,700*	220.0	13,300		
						230.0	13,600*	230.0	12,700	230.0	10,500						230.0	12,900*	230.0	13,300*	230.0	12,300	230.0	10,300
								240.0	11,700	240.0	9,700								240.0	11,800*	240.0	11,300	240.0	9,400
								250.0	10,700	250.0	8,900								260.0	9,500	260.0	9,500	260.0	7,800
										260.0	8,300										270.0	7,200	270.0	7,200
Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

180° Boom																							
190 ft Jib											200 ft Jib												
Boom Angle (deg.)											Boom Angle (deg.)												
88		83		78		73		68		63		88		83		78		73		68		63	
Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)
75.0	36,800*											75.0	33,500*										
80.0	36,500*											80.0	33,200*										
85.0	36,100*											85.0	32,800*										
90.0	35,800*											90.0	32,500*										
95.0	35,500*											95.0	32,000*										
100.0	34,800*	100.0	36,100*									100.0	31,300*										
110.0	32,100*	110.0	33,700*									110.0	29,000*	110.0	30,500*								
120.0	29,800*	120.0	31,300*									120.0	26,900*	120.0	28,200*								
130.0	27,800*	130.0	28,900*									130.0	25,100*	130.0	26,200*								
140.0	25,800*	140.0	26,800*	140.0	27,900*							140.0	23,400*	140.0	24,300*	140.0	25,300*						
150.0	24,100*	150.0	25,000*	150.0	25,900*							150.0	21,900*	150.0	22,800*	150.0	23,500*						
160.0	22,700*	160.0	23,400*	160.0	24,200*							160.0	20,600*	160.0	21,200*	160.0	21,900*						
170.0	21,200*	170.0	21,900*	170.0	22,500*	170.0	22,600					170.0	19,400*	170.0	19,900*	170.0	20,500*	170.0	21,000*				
180.0	18,000*	180.0	20,500*	180.0	21,000*	180.0	20,600					180.0	15,900*	180.0	18,700*	180.0	19,200*	180.0	19,600*				
190.0	14,600*	190.0	19,000*	190.0	19,200*	190.0	19,200					190.0	12,400*	190.0	17,600*	190.0	18,100*	190.0	18,500*				
		200.0	17,100*	200.0	17,600*	200.0	17,600	200.0	15,200			200.0	9,400*	200.0	16,600*	200.0	16,900*	200.0	16,900*	200.0	14,700		
				210.0	16,000*	210.0	16,300	210.0	14,100					210.0	13,800*	210.0	15,600*	210.0	15,600*	210.0	13,600		
				220.0	14,400*	220.0	14,800*	220.0	12,800	220.0	10,600			220.0	10,200*	220.0	14,000*	220.0	14,300*	220.0	12,400		
						230.0	13,300*	230.0	11,800	230.0	9,600												
						240.0	11,800*	240.0	10,900	240.0	8,800											230.0	9,200
								250.0	10,000	250.0	8,100											240.0	8,400
										260.0	7,400											260.0	7,000
																						250.0	7,600
																						260.0	6,300
																						280.0	5,600
Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2

Refer to notes on page 55 to 56.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

Table with 4 main sections: 190' Boom, 70 ft Jib, 80 ft Jib, 90 ft Jib, 100 ft Jib. Columns include Boom Angle (deg.), Load Radius (ft), and Rated Load (lbs). Rows list various load capacities for different boom angles and radii.

Refer to notes on page 55 to 56.

LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

200' Boom																									
100 ft Jib												110 ft Jib													
Boom Angle (deg.)												Boom Angle (deg.)													
88		83		78		73		68		63		88		83		78		73		68		63			
Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)		
46.0	77,000*											46.0	59,500*												
48.0	74,700*											48.0	59,500*												
50.0	72,500*											50.0	59,500*												
55.0	67,200*											55.0	59,500*												
60.0	62,400*											60.0	59,200*												
65.0	58,200*											65.0	57,700*												
70.0	54,600*											70.0	54,400*												
75.0	51,300*	75.0	62,400*									75.0	51,100*												
80.0	48,200*	80.0	58,300*									80.0	48,000*	80.0	56,000*										
85.0	45,500*	85.0	54,400*									85.0	45,300*	85.0	52,600*										
90.0	43,000*	90.0	51,200*									90.0	42,800*	90.0	49,600*										
95.0	40,700*	95.0	48,200*									95.0	40,500*	95.0	46,800*										
100.0	38,600*	100.0	45,500*	100.0	53,000							100.0	38,400*	100.0	44,200*										
110.0	34,700*	110.0	40,600*	110.0	46,900							110.0	34,700*	110.0	39,600*	110.0	46,500								
		120.0	36,400*	120.0	41,900									120.0	35,700*	120.0	41,600								
				130.0	37,900	130.0	34,300								130.0	32,300*	130.0	37,400	130.0	34,100					
				140.0	34,500	140.0	31,100										140.0	34,100	140.0	31,000					
						150.0	28,400	150.0	25,500								150.0	31,100	150.0	28,400					
						160.0	26,000	160.0	23,300										160.0	26,000	160.0	22,800			
								170.0	21,400										170.0	23,900	170.0	21,000			
										180.0	17,200										180.0	19,400	180.0	17,000	
												190.0	15,700								190.0	17,900	190.0	15,600	
																					200.0	14,400	200.0	14,400	
Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	4	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2
200' Boom																									
120 ft Jib												130 ft Jib													
Boom Angle (deg.)												Boom Angle (deg.)													
88		83		78		73		68		63		88		83		78		73		68		63			
Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)		
55.0	59,500*											55.0	59,500*												
60.0	59,200*											60.0	59,200*												
65.0	57,700*											65.0	57,500*												
70.0	54,200*											70.0	54,000*												
75.0	50,900*											75.0	50,700*												
80.0	48,000*	80.0	55,800*									80.0	47,800*												
85.0	45,300*	85.0	52,400*									85.0	45,100*												
90.0	42,800*	90.0	49,400*									90.0	42,600*	90.0	49,100*										
95.0	40,500*	95.0	46,500*									95.0	40,200*	95.0	46,300*										
100.0	38,300*	100.0	44,000*									100.0	38,200*	100.0	43,700*										
110.0	34,600*	110.0	39,600*	110.0	46,200							110.0	34,500*	110.0	39,400*										
120.0	31,300*	120.0	35,700*	120.0	41,200							120.0	31,300*	120.0	35,600*	120.0	40,900								
130.0	28,500*	130.0	32,300*	130.0	37,200							130.0	28,500*	130.0	32,300*	130.0	36,800								
		140.0	29,600*	140.0	33,700	140.0	30,800							140.0	29,300*	140.0	33,500	140.0	30,400						
				150.0	30,800	150.0	28,000							150.0	26,800*	150.0	30,600	150.0	27,700						
				160.0	28,200	160.0	25,700	160.0	22,600							160.0	28,000	160.0	25,400						
						170.0	23,700	170.0	20,600							170.0	25,700	170.0	23,400	170.0	20,300				
								180.0	19,100									180.0	21,500	180.0	18,700				
								190.0	17,600	190.0	15,200							190.0	20,100	190.0	17,200				
										200.0	14,000										200.0	15,800			
																					210.0	12,500			
																					220.0	11,500			
Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2

Refer to notes on page 55 to 56.

CK2750G-3

LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

200' Boom												200' Boom																							
140 ft Jib						150 ft Jib						160 ft Jib						170 ft Jib																	
Boom Angle (deg.)						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	
Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)				
60.0	57,000*											60.0	51,900*																						
65.0	56,600*											65.0	51,400*																						
70.0	53,800*											70.0	50,900*																						
75.0	50,700*											75.0	49,500*																						
80.0	47,700*											80.0	47,300*																						
85.0	44,900*											85.0	44,600*																						
90.0	42,500*	90.0	49,100*									90.0	42,300*																						
95.0	40,200*	95.0	46,300*									95.0	40,000*	95.0	46,000*																				
100.0	38,200*	100.0	43,700*									100.0	37,900*	100.0	43,500*																				
110.0	34,500*	110.0	39,400*									110.0	34,300*	110.0	39,200*																				
120.0	31,300*	120.0	35,500*	120.0	40,800							120.0	31,100*	120.0	35,200*	120.0	40,400																		
130.0	28,500*	130.0	32,300*	130.0	36,800							130.0	28,300*	130.0	32,100*	130.0	36,300																		
140.0	26,100*	140.0	29,400*	140.0	33,200							140.0	25,900*	140.0	29,200*	140.0	32,800																		
150.0	23,800*	150.0	26,900*	150.0	30,400	150.0	27,500					150.0	23,700*	150.0	26,800*	150.0	30,000																		
		160.0	24,700*	160.0	27,800	160.0	25,200			180.0	18,400			160.0	24,600*	160.0	27,600	160.0	24,800			180.0	17,900												
				170.0	25,600	170.0	23,200			190.0	17,000			170.0	22,600*	170.0	25,200	170.0	22,800			190.0	16,300												
				180.0	23,600	180.0	21,500	180.0	18,400	200.0	15,600	200.0	13,300									200.0	15,100												
						190.0	19,800	190.0	17,000	210.0	14,300	210.0	12,300									210.0	13,800	210.0	11,600										
								200.0	15,600	220.0	11,300	220.0	11,300									220.0	12,800	220.0	10,700										
								210.0	14,300													230.0	9,800	230.0	9,800										
																						240.0	9,200	240.0	9,200										
Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2				

Refer to notes on page 55 to 56.

CK2750G-3 LUFFING BOOM/JIB - LIFTING CHART

Luffing Jib Lift Capacity

Counterweights : 200,650 lbs Carbody weights : 60,240 lbs

200' Boom																							
180 ft Jib											190 ft Jib												
Boom Angle (deg.)											Boom Angle (deg.)												
88		83		78		73		68		63		88		83		78		73		68		63	
Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)		
70.0	38,500*											75.0	34,800*										
75.0	38,000*											80.0	34,500*										
80.0	37,500*											85.0	34,100*										
85.0	37,000*											90.0	33,800*										
90.0	36,500*											95.0	33,500*										
95.0	35,600*											100.0	32,800*										
100.0	34,300*	100.0	37,700*									110.0	30,100*	110.0	32,600*								
110.0	31,200*	110.0	34,600*									120.0	27,800*	120.0	29,700*								
120.0	28,700*	120.0	31,600*									130.0	25,600*	130.0	27,500*								
130.0	26,500*	130.0	28,900*									140.0	23,800*	140.0	25,300*	140.0	27,700*						
140.0	24,500*	140.0	26,600*	140.0	29,000*							150.0	22,200*	150.0	23,700*	150.0	25,700*						
150.0	22,600*	150.0	24,600*	150.0	26,800*							160.0	20,600*	160.0	21,900*	160.0	23,900*						
160.0	21,000*	160.0	22,700*	160.0	24,800*							170.0	18,000*	170.0	20,300*	170.0	22,100*						
170.0	19,700*	170.0	21,000*	170.0	22,800*	170.0	21,700					180.0	14,700*	180.0	19,200*	180.0	20,400*	180.0	19,500				
180.0	17,000*	180.0	19,600*	180.0	21,000*	180.0	20,000					190.0	11,700*	190.0	18,100*	190.0	18,700*	190.0	17,900				
		190.0	18,300*	190.0	19,200*	190.0	18,300					200.0	15,400*	200.0	17,100*	200.0	16,500	200.0	16,500	200.0	13,500		
		200.0	16,200*	200.0	17,300*	200.0	16,900	200.0	14,100			210.0	12,500*	210.0	15,600*	210.0	15,200	210.0	12,300				
				210.0	15,600*	210.0	15,600	210.0	12,700														
				220.0	14,200*	220.0	14,500	220.0	11,700														
						230.0	13,300*	230.0	10,700	230.0	8,300												
								240.0	9,900	240.0	7,600												
								250.0	9,200	250.0	7,000												
										260.0	6,300												
Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2

200' Boom																							
200 ft Jib											200 ft Jib												
Boom Angle (deg.)											Boom Angle (deg.)												
88		83		78		73		68		63													
Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)	Load Radius (ft)	Rated Load (lbs)		
75.0	31,700*																						
80.0	31,400*																						
85.0	31,100*																						
90.0	30,700*																						
95.0	30,400*																						
100.0	30,000*																						
110.0	28,900*	110.0	30,200*																				
120.0	26,700*	120.0	28,000*																				
130.0	24,900*	130.0	26,000*																				
140.0	23,200*	140.0	24,100*	140.0	25,100*																		
150.0	21,700*	150.0	22,600*	150.0	23,300*																		
160.0	19,800*	160.0	21,000*	160.0	21,700*																		
170.0	16,300*	170.0	19,700*	170.0	20,300*																		
180.0	12,900*	180.0	18,600*	180.0	19,000*	180.0	19,100																
190.0	9,700*	190.0	17,400*	190.0	17,800*	190.0	17,600																
200.0	6,900*	200.0	14,800*	200.0	16,500*	200.0	16,100																
		210.0	11,400*	210.0	14,900*	210.0	14,700	210.0	11,900														
		220.0	8,000*	220.0	13,600*	220.0	13,600	220.0	10,800														
				230.0	12,200*	230.0	12,200*	230.0	10,100														
				240.0	9,100*	240.0	10,900*	240.0	9,000														
						250.0	9,800*	250.0	8,300														
								260.0	7,600														
Reeves	2	Reeves	2	Reeves	2	Reeves	2	Reeves	2														

Refer to notes on page 55 to 56.



Note : This catalog may contain photographs of machines with specifications, attachments and optional equipment not certified for operation in your country. Please consult KOBELCO for those items you may require. Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

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KOBELCO CONSTRUCTION MACHINERY CO., LTD.

Inquiries To :

5-15, Kitashinagawa 5-chome, Shinagawa-ku, Tokyo 141-8626 JAPAN
Tel : +81-3-5789-2121 Fax : +81-3-5789-3372
URL : <https://www.kobelcocm-global.com/>

KOBELCO CONSTRUCTION MACHINERY U.S.A. INC.

22350 Merchants Way Katy, TX 77449
Tel : +1-281-888-8430
URL : <http://kcmu-cranes.com/home/>

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