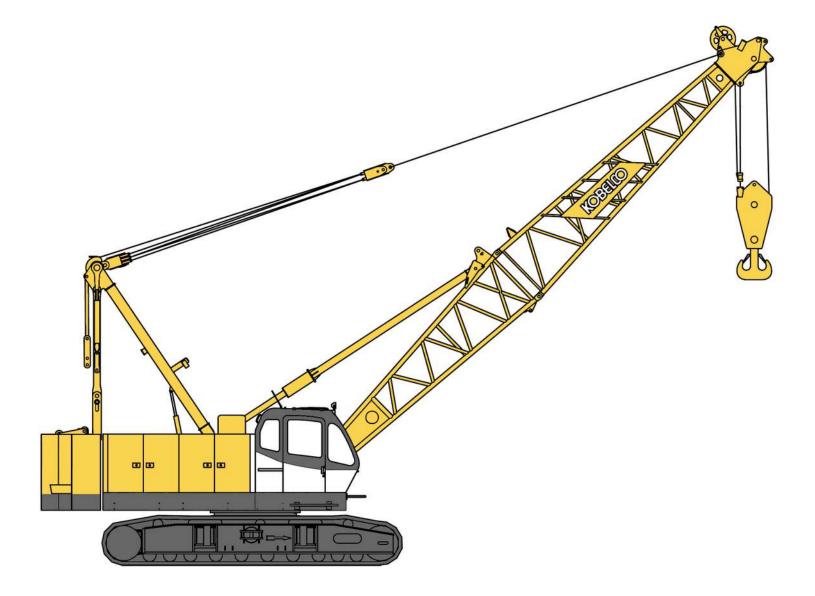


CK350-]]]

HYDRAULIC CRAWLER CRANE



Max. Lift Capacity: 85 US Tons Max. Boom Length: 200 ft Max. Boom + Jib Length: 180 ft + 60 ft

SPECIFICATIONS FOR CK850-III CRAWLER CRANE

The Kobelco CK850-III Crawler Crane is designed from the ground up for reliable operation, convenient maintenance and easy transport. Please consult your Kobelco distributor for additional information regarding specifications, operating parameters and maintenance requirements.

1. GENERAL DESCRIPTION

TypeCrawler mounted, fully revolvingMaximum lifting capacity170,000 lbs (77,100 kg)
(at 11' operating radius, with 40' boom)Basic boom length40' (12.2 m)Maximum boom length200' (61.0 m)Basic boom & jib length80' + 30' (24.4 m + 9.1 m)Maximum boom & jib length80' + 30' (24.4 m + 9.1 m)

180' + 60' (54.9 m + 18.3 m)

Working weightApprox. 162,700 lbs (73,800 kg)Ground bearing pressure Approx. 11.2 psi (77.1 kPa)Gradeability40 %Calculations to determine working weight, groundpressure and gradeability include the weight of theupper and lower works of the crane, counterweightsand carbody weights, 40' boom and hook block.

2. GENERAL DIMENSIONS

Height to top of gantry (lowered)	10' 10" (3.3 m)
Width of upper machine with operation	tor's cab
	10' 6" (3.20 m)
Radius of rear end (counterweight)	14' 1" (4.28 m)
Counterweight ground clearance	3' 7" (1.10 m)
Center of rotation to boom foot pin	3' 7" (1.10 m)
Height from ground to boom foot pi	i n 5' 9" (1.75 m)
Height over gantry (raised)	20' 3" (6.18 m)
Overall length of crawler	19' 8" (5.99 m)
Center to center of tumblers	16' 10" (5.13 m)
Overall width of crawlers	16' 3" (4.94 m)
Shoe width	36" (0.91 m)
Ground clearance of carbody	15" (0.39 m)

3. WORKING SPEED

Hoist line speed (front and rear drum)						
390 ~ 10 1	ft/min (120 ~ 3 m/min)					
Lowering line speed (front and	rear drum)					
390 ~ 10	ft/min (120 ~ 3 m/min)					
Boom hoist line speed						
230 ~ 7	' ft/min (70 ~ 2 m/min)					
Boom lowering line speed						
230 ~ 7	' ft/min (70 ~ 2 m/min)					
Swing speed	4.0 rpm (4.0 min ⁻¹)					

Travel speed (High / Low)

1.18 / 0.75 mph (1.9 / 1.2 km/hour)

Line speed based on single line, no load and first layer of rope on the drum. Line speed is controllable by Dial-type Speed Control System.

4. UPPER MACHINERY

4.1 Power plant

Diesel engine, make and model Hino J08E-TM (Comply with EPA "Tier 3") No. of cylinders 6 Bore X stroke 4-13/32" X 5-1/8" (112 mm X 130 mm) Cycles 4 Total displacement 469 cu.in (7,684 cm³) **Rated output SAE GROSS** 213 HP / 2,000 rpm (159 kW / 2,000 min⁻¹) Maximum torque 588 lbs-ft / 1,600 rpm (797 Nm / 1,600 min⁻¹) Starter 24 Volts / 5.0 kW Alternator 24 Volts / 60 Amp **Batteries** Two 12 volt, 150 AH/20 HR capacity series connected. Radiator Corrugated type core, thermostatically controlled. Throttle Twist grip type hand throttle, electrically controlled. Air cleaner Dry type with replaceable paper element. Fuel tank capacity 106 US gal. (400 liters) Lube oil filter Full flow and by-pass type with spin off type cartridge. **Fuel filter** Heavy duty with spin off type cartridge. Approximate fuel consumption 0.342 lb / HP-hr (208 g / kW-hr) 10.53 US gal. / hr at 100 % HP 4.2 Hydraulic pumps All driven from heavy duty pump drive. Load hoist, boom hoist and propel 2 Piston pumps (252 ℓ/min x 2) Swing 1 Piston pump (175 ℓ/min) Control system and auxiliary

2 Gear pumps (61 *l*/min x 40 *l*/min) Brake cooling system

2 Gear pumps (73 ℓ/min x 2)

Load hoist, boom hoist, and propel

2 Piston pumps, max flow rate 67 US gal./min x 2 (252 l/min x 2)

Swing

1 Piston pump, max flow rate 46 US gal./min (175 l/min)

Control system and auxiliary

2 Gear pumps, max flow rate 16 US gal./min x11 US gal (61 l/min x 40 l/min) Brake cooling system

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

4.3 Counterweight and carbody weight

Counterweight (A)	1 x 27,340 lbs (12,400 kg)
Counterweight (B)	1 x 27,560 lbs (12,500 kg)
Total weight	54,900 lbs (24,900 kg)
Carbody weight	2 x 7,360 lbs (3,340 kg)
Total weight	14,720 lbs (6,680 kg)

4.4 Gantry

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

4.5 Operator's cab

Totally enclosed from weather, this full-vision cab has safety glass all around. The adjustable, high-backed seat with armrest is standard, allowing operators to customize the position. Auxiliary controls and instruments are on a side mounted console. A signal horn, windshield wipers, air conditioner are all standard features.

4.6 Controls

At operator's right are console-mounted adjustable levers for the front and rear drum and the boom hoist control. Beside the operator's seat on the right are two short levers for propel control, individual speed shifts for front drum, rear drum and boom drum. At the operator's left are the console mounted swing lever, knobs for front and rear drum, boom drum pawls, engine start / stop key. A swing brake control switch and signal horn button are on the swing lever.

4.7 Electric system

All wiring corded for easy serving, individual fused branch circuit.

4.8 Hydraulic system

Maximum pressure rating4,620 psi (32.0 MPa)CoolingOil to air heat exchangerFiltrationFull flow filters with replaceable paper elementsReservoir capacity116 US gal. (440 liters)

4.9 Boom hoist

Powered by hydraulic motor through planetary reducer. **Drum** Single drum.

Grooved for 5/8" (16.0 mm) dia. wire rope.

Brake

A spring set, hydraulically-released, multiple-disc holding brake is mounted inside the boom hoist motor and is operated through a counter-balance valve. An external ratchet is fitted for locking the drum.

4.10 Front drum

Powered by hydraulic motor through planetary reducer. **Drum** 21.7" (550 mm) P.C.D. X 21.5" (545 mm) LG.

Grooved for 7/8" (22 mm) dia. wire rope.

Brake

A spring set, hydraulically-released, multiple-disc holding brake is mounted inside the hoist motor and is operated through a counter-balance valve. An external ratchet is fitted for locking the drum.

Free-Fall (Standard)

Wet-type disk brake free-fall is mounted inside the drum.

4.11 Rear drum

Powered by hydraulic motor through planetary reducer.

Drum 21.7" (550 mm) P.C.D. X 21.5" (545 mm) LG. Grooved for 7/8" (22 mm) dia. wire rope.

Brake

A spring set, hydraulically-released, multiple-disc holding brake is mounted inside the hoist motor and is operated through a counter-balance valve. An external ratchet is fitted for locking the drum.

Free-Fall (Standard)

Wet-type disk brake free-fall is mounted inside the drum.

4.12 Third drum (Optional)

Powered by hydraulic motor through planetary reducer.Drum21.7" (550 mm) P.C.D. X 21.5" (545 mm) LG.

Grooved for 7/8" (22.0 mm) dia. wire rope.

Brake

A spring set, hydraulically-released, multiple-disc holding brake is mounted inside the hoist motor and is operated through a counter-balance valve. An external ratchet is fitted for locking the drum.

Free-Fall (Standard for third drum)

Wet-type disk brake free-fall is mounted inside the drum.

4.13 Swing

Swing unit

Hydraulic motor driving through planetary reducer to output swing pinion for 360 degree rotation.

Swing brake

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

Swing circle

Single row ball bearing with internal, integral swing gear.Swing Lock2 Position lock for transportation.

5. LOWER MACHINERY

5.1 Carbody

The durable carbody features steel welded construction with extendible axles.

5.2 Crawler

Crawler assemblies can be hydraulically extended for widetrack operation or retracted for transportation. Crawler belt tension adjusted with hydraulic jack and maintained by shims between the idler block and frame.

5.3 Crawler drive

The independent 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.

5.4 Crawler brakes

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

5.5 Steering mechanism

The hydraulic propel system provides both skid steering (driving one track only) and counter-rotating steering (driving each track in opposite direction).

5.6 Crawler shoes

63 shoes, 36" (914 mm) wide each crawler.

5.7 Track rollers

The track rollers are sealed for maintenance-free operation.

6. CRANE ATTACHMENTS

6.1 Crane boom

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

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

6.2 Boom insert (Optional)

An optional boom inserts is available to provide extension capabilities. It also has welded lattice construction with tubular, high-tension steel chords and pin connections. **Boom insert** 10' (3.1 m), 20' (6.1 m), 40' (12.2 m)

6.3 Jib (Optional)

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

Maximum jib length	60'	(18.3 m)
Basic jib length	30'	(9.1 m)
Jib base section	15'	(4.6 m)
Jib tip section	16'	(4.9 m)

Jib insert

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

Jib inserts are available to provide extension capabilities. They also have welded lattice construction with tubular, hightension steel chords and pin connections. Jib is extendible on booms of 80' (24.4 m) through 180' (54.9 m)

6.4 Auxiliary sheave (Optional)

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

6.5 Boom hoist reeving

Twelve (12) parts of 5/8" (16.0 mm) dia. high strength wire rope.

6.6 Boom backstops

Telescopic type with spring bumper.

7. AUXILIARY EQUIPMENT

7.1 Lights

Two (2) Front flood lights One (1) Cab inside light

7.2 Gauges and warning display

Gauges

One (1) Tachometer One (1) Hour meter One (1) Fuel gauge

One (1) Water temperature gauge for engine

Warning display

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

7.3 Others

Air conditioner Drum turn indicator (front and rear drum) Foot acceleration pedal Electric fuel pump Counterweight self-removal device

8. SAFETY SERVICE

Function lock lever Boom over hoist limit switch Signal horn Front and rear hoist drum lock Swing alarm (buzzer and lamps) Over load preventive device (Load Moment Indicator) Hook over hoist shut off (Anti-two-block) Boom angle indicator Boom hoist drum lock Swing lock Boom backstops

9. TOOLS AND ACCESSORIES

A set of tools and accessories are furnished.

10. OPTIONAL EQUIPMENT

Hydraulic tagline Travel kit Third drum Pillow plate for boom self-erection Custom color Catwalks

All specifications are subject to change without notice.

KOBELCO

Winch Performance Data

Line speed and line pull based on Hino J08E-TM-0N at 2,000 rpm. Line speed and line pull based on single line. Line pull is not based on wire rope strength.

Front & Rear Drum

		Line speed (ft/min)						
	Layer	1	2	3	4	5	6	7
	0	394	420	446	472	499	525	
	5,000	394	420	446	472	499	525	
	10,000	353	353	353	353	353	353	storage
Line Pull	15,000	235	235	235	235	235	235	only
(lbs)	17,000	208	208	208	208	208	208	
	20,100	177	177	177	177	179	182	
	25,000	141	146	148	149	149		
	32,000	115						
Storage Ca	apacity (ft)	130	139	148	156	165	174	183
Rated Line Pul	l = 17,000 lbs	Maxi	mum Line P	ull = 32,000) lbs	Total Storage	Capacity :	= 1,095 ft

Third Drum (Optional)

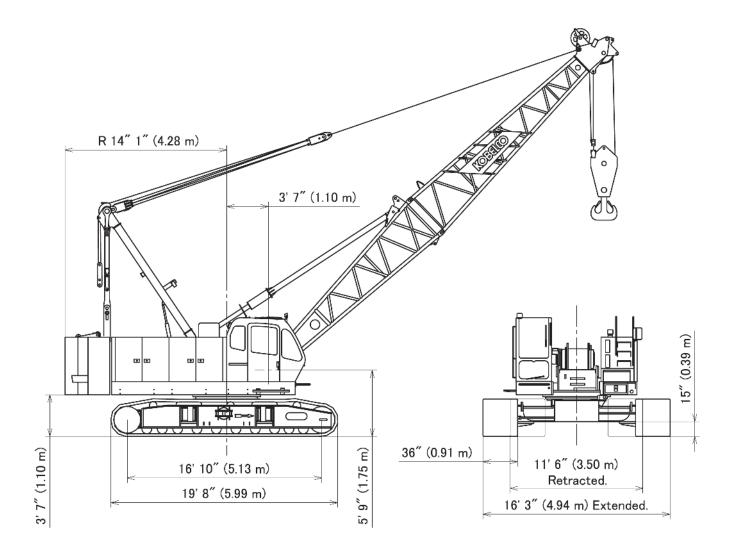
	Line speed (ft/min)							
	Layer	1	2	3	4	5	6	7
	0	394	420	446	472	499	525	
	5,000	394	420	446	472	499	525	
	10,000	353	353	353	353	353	353	storage
Line Pull	15,000	235	235	235	235	235	235	only
(lbs)	17,000	208	208	208	208	208	208	
	20,100	177	177	177	177	179	182	
	25,000	141	146	148	149	149		
	32,000	115						
Storage Capacity (ft)		130	139	148	156	165	174	183
Rated Line Pul	I = 17,000 lbs	Maxi	mum Line P	ull = 32,000) lbs	Total Storage	Capacity =	= 1,095 ft

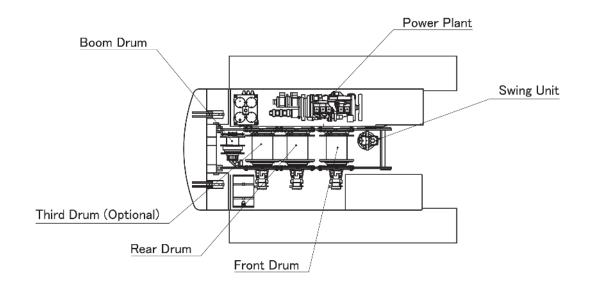
Wire Rope Specifications

Use	Construction	No load diameter	Length	Safety Factor	Required minimum breaking strength
Front drum	6 x 25 Filler IWRC Right hand lay, Regular lay	0.887" to 0.904" (22.54 mm to 22.97 mm)	869' (265 m)	3.5: 1	59,500 lbs (26,990 kg)
Rear drum	6 x 25 Filler IWRC Right hand lay, Regular lay	0.887" to 0.904" (22.54 mm to 22.97 mm)	673' (205 m)	3.5: 1	59,500 lbs (26,990 kg)
Third drum (Optional)	6 x 25 Filler IWRC Right hand lay, Regular lay	0.887" to 0.904" (22.54 mm to 22.97 mm)	869' (265 m)	3.5: 1	59,500 lbs (26,990 kg)
Boom drum	6 x 31 Warrington seal Right hand lay, Regular lay	0.639" to 0.653" (16.24 mm to 16.58 mm)	492' (150 m)	3.5: 1	47,180 lbs (21,400 kg)









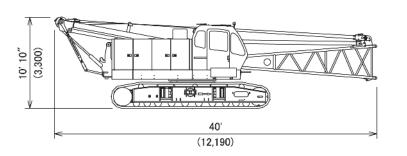


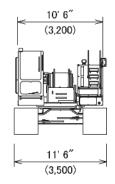
Base Machine -1

When installing optional third drum, add 4,260 lbs (1,930 kg)

Weight: 89,980 lbs (40,820 kg)

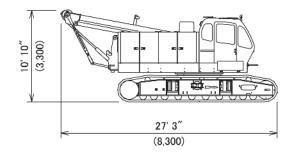
Boom base, Gantry, Crawler, Wire ropes (Front, Rear and Boom hoist drums)





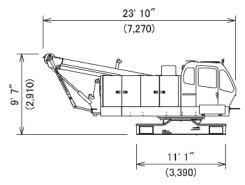
Base Machine -2

Weight: 85,350 lbs (38,700 kg) Gantry, Crawler, Wire ropes (Front, Rear and Boom hoist drums)



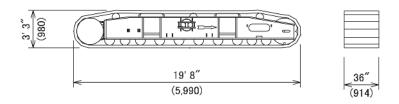
Base Machine -3

Weight: 52,500 lbs (23,800 kg) Gantry, Wire ropes (Front, Rear and Boom hoist drums)



Crawler

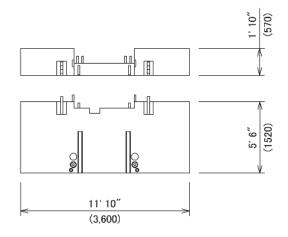
Weight: 16,320 lbs (7,400 kg)





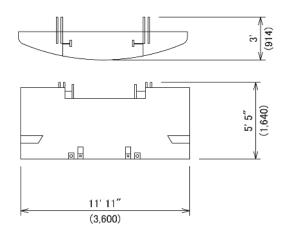
Counterweight (A)

Weight: 27,340 lbs (12,400 kg)



Counterweight (B)

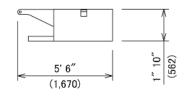
Weight: 27,560 lbs (12,500 kg)



Carbody Weight

Weight: 7,360 lbs (3,340 kg)



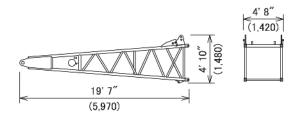


CK850-III Dimensions and Weight



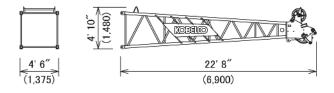
Boom Base

Weight: 2,230 lbs (1,010 kg)



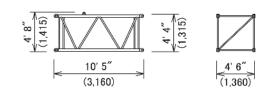
Boom Tip

Weight: 2,380 lbs (1,080 kg) Includes cable roller and guy lines.



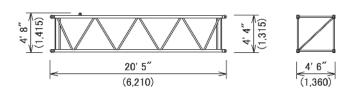
10 ft (3.0 m) Insert Boom

Weight: 750 lbs (340 kg) Includes cable roller and guy lines.



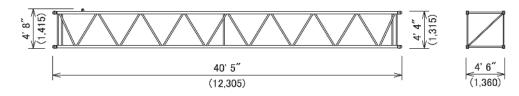
20 ft (6.1 m) Insert Boom

Weight: 1,230 lbs (560 kg) Includes cable roller and guy lines.



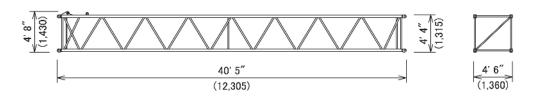
40 ft (12.2 m) Insert Boom

Weight: 2,190 lbs (990 kg) Includes cable roller and guy lines.



40 ft (12.2 m) Insert Boom (with lug)

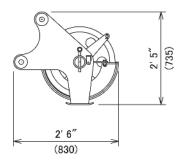
Weight: 2,220 lbs (1,010 kg) Includes cable roller and guy lines.





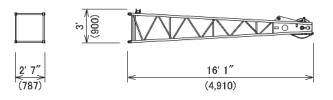
Auxiliary Sheave

Weight: 320 lbs (145 kg)



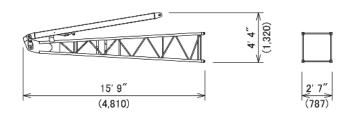
Jib Tip

Weight: 620 lbs (280 kg) Includes cable roller.



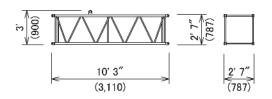
Jib Base and Strut

Weight: 1,210 lbs (550 kg) Includes guy line.



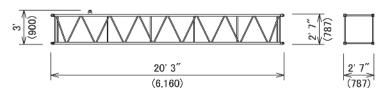
10 ft (3.0 m) Insert Jib

Weight: 290 lbs (130 kg) Includes cable roller and guy line.



20 ft (6.1 m) Jib Insert

Weight: 490 lbs (220 kg) Includes cable roller and guy line.

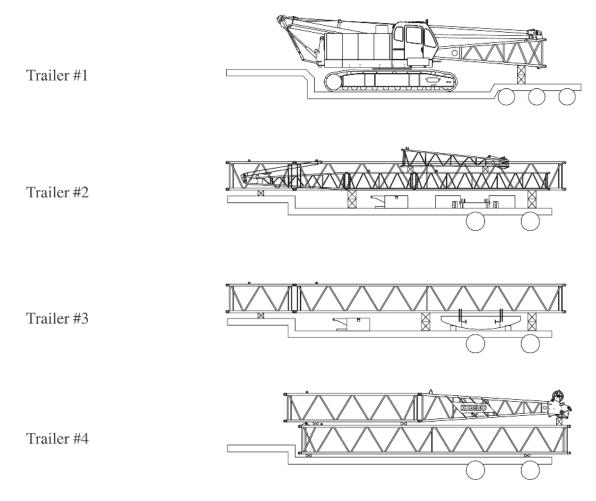




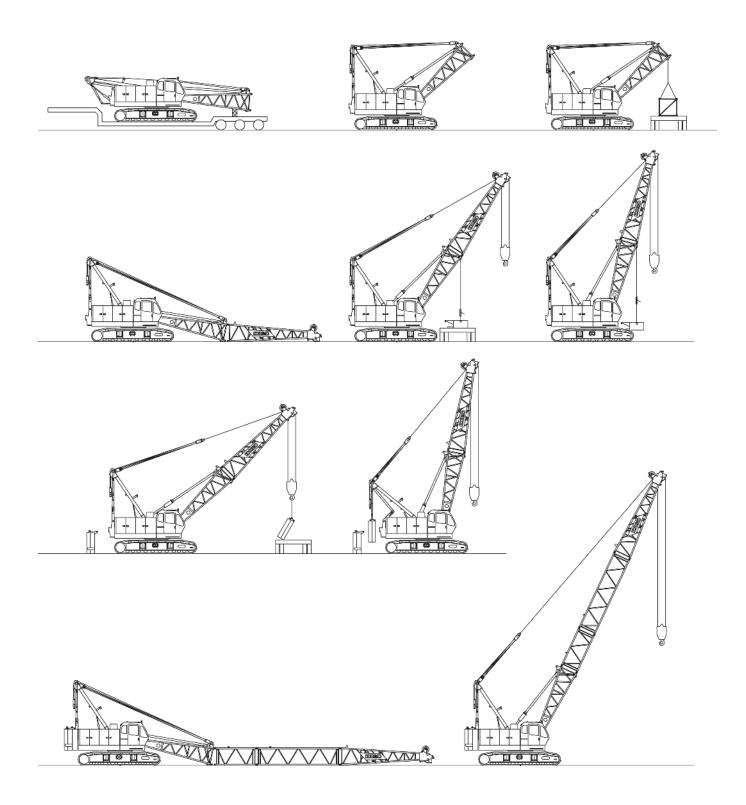
Description of Itom	We	ight		Trailer	Loads	
Description of Item	lbs	(kg)	#1	#2	#3	#4
Base Machine with Boom Base and Crawlers*	89,980	(40,820)	1			
Counterweight (A)	27,340	(12,400)		1		
Counterweight (B)	27,560	(12,500)			1	
Carbody Weight	7,360	(3,340)		1	1	
10 ft Insert Boom and Guy Line	750	(340)		1	1	
20 ft Inser Boom and Guy Line	1,230	(560)				1
40 ft Insert Boom and Guy Line	2,190	(990)		1	1	
40 ft Insert Boom (w/ Lug) and Guy Line	2,220	(1,010)				1
Boom Tip and Guy Line	2,380	(1,080)				1
Jib Base and Guy Line	1,210	(550)		1		
10 ft Inser Jib and Guy Line	290	(130)		1		
20 ft Insert Jib and Guy Line	490	(220)		1		
Jib Tip	620	(280)		1		
Approx. Total Shipping Weight		lbs	89,980	40,250	37,860	5,830
		(kg)	(40,820)	(18,250)	(17,170)	(2,650
an ann an Marian a' an Arra a'				* Third	I drum is not	includer

Shipping plan for 200 ft Boom and 60 ft Jib

Loads for transportation were targeted at 45,000 lbs, 8' 6" wide, 48' long and 13' 6" high from ground. This may vary depending on truck/trailer weight, style of trailer and state low.

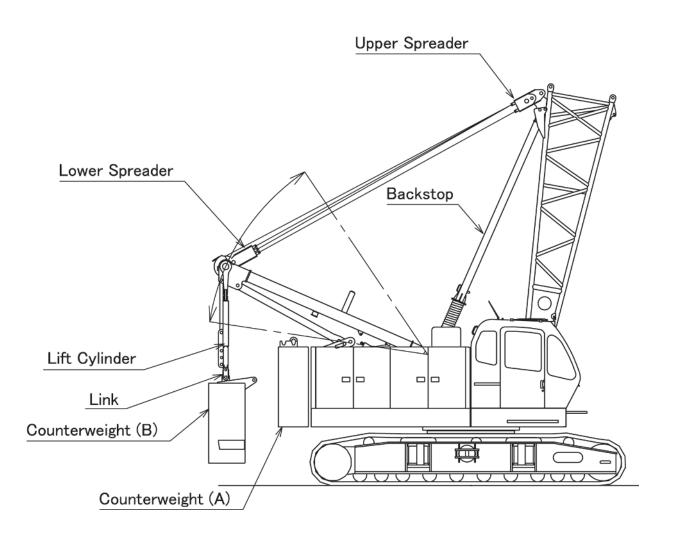


CK850-III Self Assembly Procedure **KOBELCO**



CK850-III Counterweight Self-Removal Device KOBELCO

(Standard equipment)



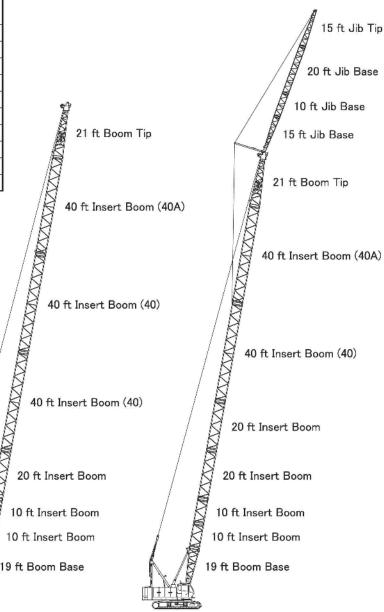


Boom Arrangement

rangei	nem					Jib Arı
	Insert	Boom				
10.#	20.6	40ft	40 ft	Aux.	Fixed	Jib
1010	2010	(40)	(40A)	Sheave	Jib	30 ft
-	-	-	-			40 ft
1		-	-			50 ft
	-		-	- A A		60 ft
		-	-			·
2	1		-			
-	-	-	1		Y2	
1	2	-	-			
1	_	-	1		Y2	
	2	-	-	A 4		
	_	-				
			N	1 A A	20125-0	
	127	-				
		-	10	2 A A	2020 0	
		-				
				- <u> </u>	A. D. C. M.	
						l di
		-				21 ft Boom
					Y2	
		-		Y1		R I
2	1	2	1			
iliary sł	neave	can be	attach	ed.		🖉 40 ft Insert Bo
						12
-				isert		R
						15
						$ \mathcal{R} $
						40 ft Insert Boom
						A
					/	
					/	R
						R
						40 ft Insert Boom (40
						A
					/	R
					/ 1	
					/ k	20 ft Insert Boom
					/ k	4
						10 ft Insert Boom
	10 ft - 1 2 1 1 2 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	Insert 10 ft 20 ft - - 1 - 2 - 1 1 2 - 1 1 2 - 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 3 1 <td>10 π 20 π (40) - - - 1 - - 2 - - 1 1 - 2 1 - 2 1 - 1 2 - 1 2 - 1 2 - 2 2 - 1 1 - 2 2 - 1 1 - 2 2 - 1 1 1 2 1 1 2 2 1 1 2 1 2 2 1 1 2 1 2 1 2 1 1 2 2 1 2 1 1 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 <td>Insert Boom 10 ft 20 ft 40ft (40) 40 ft (40A) - - - 1 - - 1 - - 2 - - 2 - - 1 1 - 2 - - 1 1 - 2 - - 1 1 - 2 1 - 1 2 - 1 2 - 1 2 - 1 1 - 2 2 - 1 1 - 2 2 - 1 1 1 2 1 1 1 2 1 2 1 2 1 1 2 1 1 2 2 <t< td=""><td>Insert Boom 10 ft 20 ft 40ft (40) 40 ft (40A) Aux. Sheave - - - Y1 1 - - Y1 1 - - Y1 2 - - Y1 1 1 - - Y1 2 - - Y1 1 1 - - Y1 2 - - Y1 1 1 - - Y1 1 2 - - Y1 1 2 - - Y1 1 1 - 1 Y1 2 2 - 1 Y1 1 1 1 Y1 Y1 2 2 - 1 Y1 1 1 1 Y1 Y1 1 1 1 Y1 Y1</td><td>Insert Boom Aux. Fixed Jib 10 ft 20 ft 40ft (40) 40 ft (40A) Aux. Fixed Jib - - - Y1 - 1 - - Y1 - 2 1 - - Y1 2 1 - - Y1 2 1 - - Y1 2 2 - - Y1 2 2 - - Y1 Y2 1 1 - 1 Y1 Y2 1 2 - 1 Y1 Y2 1 1 1 Y1 Y2 Y2 1 1 1 Y1</td></t<></td></td>	10 π 20 π (40) - - - 1 - - 2 - - 1 1 - 2 1 - 2 1 - 1 2 - 1 2 - 1 2 - 2 2 - 1 1 - 2 2 - 1 1 - 2 2 - 1 1 1 2 1 1 2 2 1 1 2 1 2 2 1 1 2 1 2 1 2 1 1 2 2 1 2 1 1 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 <td>Insert Boom 10 ft 20 ft 40ft (40) 40 ft (40A) - - - 1 - - 1 - - 2 - - 2 - - 1 1 - 2 - - 1 1 - 2 - - 1 1 - 2 1 - 1 2 - 1 2 - 1 2 - 1 1 - 2 2 - 1 1 - 2 2 - 1 1 1 2 1 1 1 2 1 2 1 2 1 1 2 1 1 2 2 <t< td=""><td>Insert Boom 10 ft 20 ft 40ft (40) 40 ft (40A) Aux. Sheave - - - Y1 1 - - Y1 1 - - Y1 2 - - Y1 1 1 - - Y1 2 - - Y1 1 1 - - Y1 2 - - Y1 1 1 - - Y1 1 2 - - Y1 1 2 - - Y1 1 1 - 1 Y1 2 2 - 1 Y1 1 1 1 Y1 Y1 2 2 - 1 Y1 1 1 1 Y1 Y1 1 1 1 Y1 Y1</td><td>Insert Boom Aux. Fixed Jib 10 ft 20 ft 40ft (40) 40 ft (40A) Aux. Fixed Jib - - - Y1 - 1 - - Y1 - 2 1 - - Y1 2 1 - - Y1 2 1 - - Y1 2 2 - - Y1 2 2 - - Y1 Y2 1 1 - 1 Y1 Y2 1 2 - 1 Y1 Y2 1 1 1 Y1 Y2 Y2 1 1 1 Y1</td></t<></td>	Insert Boom 10 ft 20 ft 40ft (40) 40 ft (40A) - - - 1 - - 1 - - 2 - - 2 - - 1 1 - 2 - - 1 1 - 2 - - 1 1 - 2 1 - 1 2 - 1 2 - 1 2 - 1 1 - 2 2 - 1 1 - 2 2 - 1 1 1 2 1 1 1 2 1 2 1 2 1 1 2 1 1 2 2 <t< td=""><td>Insert Boom 10 ft 20 ft 40ft (40) 40 ft (40A) Aux. Sheave - - - Y1 1 - - Y1 1 - - Y1 2 - - Y1 1 1 - - Y1 2 - - Y1 1 1 - - Y1 2 - - Y1 1 1 - - Y1 1 2 - - Y1 1 2 - - Y1 1 1 - 1 Y1 2 2 - 1 Y1 1 1 1 Y1 Y1 2 2 - 1 Y1 1 1 1 Y1 Y1 1 1 1 Y1 Y1</td><td>Insert Boom Aux. Fixed Jib 10 ft 20 ft 40ft (40) 40 ft (40A) Aux. Fixed Jib - - - Y1 - 1 - - Y1 - 2 1 - - Y1 2 1 - - Y1 2 1 - - Y1 2 2 - - Y1 2 2 - - Y1 Y2 1 1 - 1 Y1 Y2 1 2 - 1 Y1 Y2 1 1 1 Y1 Y2 Y2 1 1 1 Y1</td></t<>	Insert Boom 10 ft 20 ft 40ft (40) 40 ft (40A) Aux. Sheave - - - Y1 1 - - Y1 1 - - Y1 2 - - Y1 1 1 - - Y1 2 - - Y1 1 1 - - Y1 2 - - Y1 1 1 - - Y1 1 2 - - Y1 1 2 - - Y1 1 1 - 1 Y1 2 2 - 1 Y1 1 1 1 Y1 Y1 2 2 - 1 Y1 1 1 1 Y1 Y1 1 1 1 Y1 Y1	Insert Boom Aux. Fixed Jib 10 ft 20 ft 40ft (40) 40 ft (40A) Aux. Fixed Jib - - - Y1 - 1 - - Y1 - 2 1 - - Y1 2 1 - - Y1 2 1 - - Y1 2 2 - - Y1 2 2 - - Y1 Y2 1 1 - 1 Y1 Y2 1 2 - 1 Y1 Y2 1 1 1 Y1 Y2 Y2 1 1 1 Y1

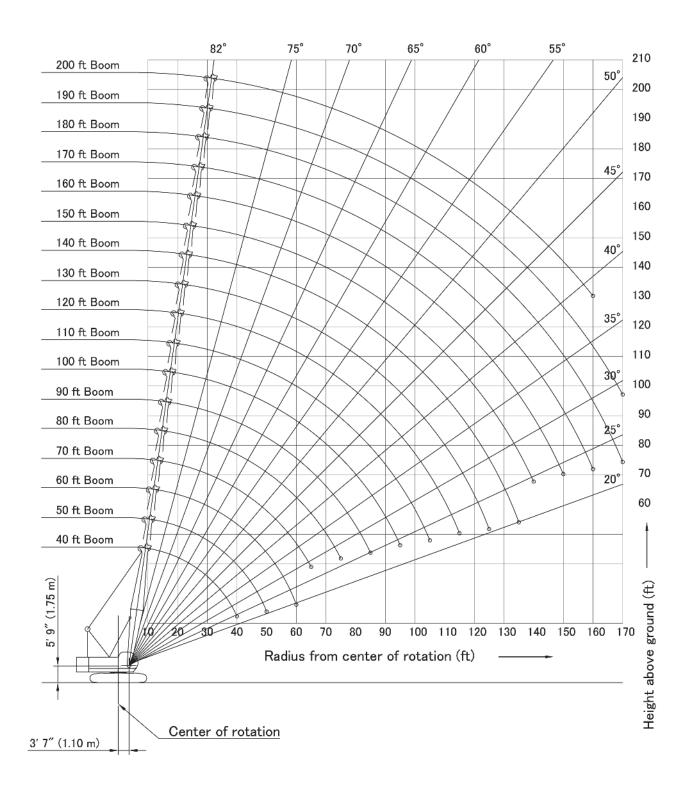
Jib Arrangement

	Insert Jib				
Jib	10 ft	20 ft			
30 ft	—	ĵ			
40 ft	1	_			
50 ft	, T	1			
60 ft	1	1			



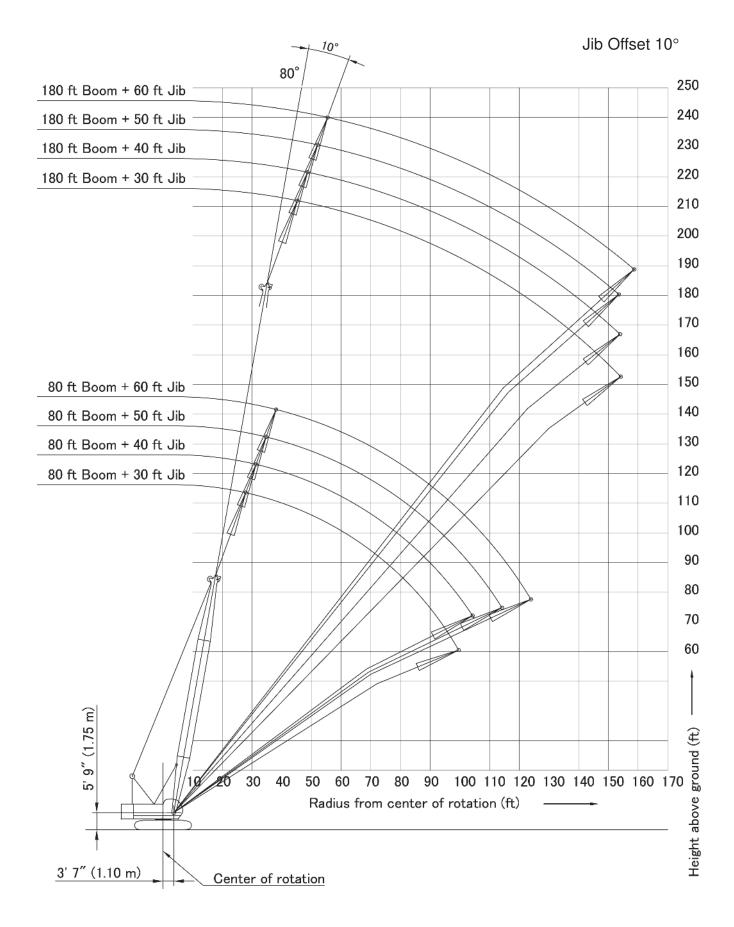
200 ft (61.0 m) Main Boom

180 ft (54.9 m) Main Boom and 60 ft (18.3 m) Fixed Jib



KOBELCO

CK850-III Jib Working Range



KOBELCO

CK850-III Jib Working Range

Jib Offset 30° 300 80° 250 180 ft Boom + 60 ft Jib 240 180 ft Boom + 50 ft Jib 230 180 ft Boom + 40 ft Jib 220 180 ft Boom + 30 ft Jib 210 200 190 180 170 160 150 80 ft Boom + 60 ft Jib 140 80 ft Boom + 50 ft Jib 130 80 ft Boom + 40 ft Jib 120 80 ft Boom + 30 ft Jib 110 100 90 80 70 60 9" (1.75 m) Height above ground (ft) 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 â Radius from center of rotation (ft) 3' 7" (1.10 m) Center of rotation

KOBELCO

KOBELCO CK850-III Main Boom Rated Loads in Pounds Counterweight: 54,900 lbs (24,900 kg) Carbody weight: 14,720 lbs (6,680 kg)

Supplemental Data

- Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
- Rated loads do not exceed 75% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
- The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.

1) The crane must be leveled to within 1% on a firm supporting surface.

2) Boom backstops are required for all boom length.

3) Gantry must be fully raised position for all operations.

4) Crawlers must be fully extended and be locked in position.

- 5) Counterweight: 54,900 lbs
- 6) Carbody weight: 14,720 lbs
- 4. 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.
- 7. When lifting over boom point with jib or auxiliary sheave, rated loads for the boom must be deducted as shown below.

Jib Length	Aux Sheave	30 ft	40 ft	50 ft	60 ft
Deduct (lbs)	320	2,400	3,200	4,200	5,200

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

- 9. Boom lengths for jib mounting are 80 ft (24.4 m) to 180 ft (54.9 m)
- 10. The total load that can be lifted by the auxiliary sheave is: the rated load for the boom (without auxiliary sheave installed) minus 320 lbs; however, the auxiliary sheave rated load should not exceed 17,000 lbs.
- 11. Permissible boom lengths for installing auxiliary sheave are from 40 ft (12.2 m) to 190 ft (57.9 m).
- 12. The boom should be erected over the front of the crawlers, not laterally.
- 13. Least stable position is over the side.
- 14. Maximum hoist load for number of reeving parts of line for hoist rope.

Main Load for Main Boom

No. of Parts of line	1	2	3	4	5
Maximum Loads (lbs)	17,000	34,000	51,000	68,000	85,000
No. of Parts of line	6	7	8	9	10
Maximum Loads (lbs)	102.000	119.000	136.000	153.000	170.000

Main Load for Fixed Jib

No. of Parts of line	1	2
Maximum Loads (lbs)	17,000	24,000

Main Load for Auxialiary Sheave

No. of Parts of line	1
Maximum Loads (lbs)	17,000

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

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

		n Boom R						
40' Bo		hts + 2 Low Weigh	its - Crawlers 50' Bo	-	ed	60' Bo	om	
Load	Boom	360°	Load	Boom	360°	Load	Boom	360°
Radius	Angle	Rated Load	Radius	Angle	Rated Load	Radius	Angle	Rated Load
(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)
10.0	81.7	170,000 *	12.0	81.1	166,400 *	13.0	81.6	154,200 *
11.0	80.3	170,000 *	13.0	79.9	154,400 *	14.0	80.7	143,800 *
12.0	78.8	166,600 *	14.0	78.8	144,000 *	15.0	79.7	134,700 *
13.0	77.4	154,600 *	15.0	77.6	134,900 *	16.0	78.7	126,700 *
14.0	75.9	144,200 *	16.0	76.4	126,900 *	17.0	77.7	119,500 *
15.0	74.4	135,100 *	17.0	75.2	119,700 *	18.0	76.8	113,000 *
16.0	72.9	127,100 *	18.0	74.0	113,200 *	19.0	75.8	105,460
17.0	71.4	119,900 *	19.0	72.8	105,660	20.0	74.8	97,130
18.0	69.9	113,400 *	20.0	71.6	97,350	22.0	72.8	83,790
19.0	68.3	105,820	22.0	69.2	84,010	24.0	70.8	73,560
20.0	66.7	97,500	24.0	66.7	73,810	24.0	68.7	65,490
22.0	63.6	84,190	26.0	64.2	65,760	28.0	66.6	58,970
22.0 24.0	60.3	74,000	28.0 28.0	64.2 61.6	59,230	28.0 30.0	64.5	53,570
24.0 26.0	56.9		28.0 30.0	58.9	53,850	30.0	64.5 62.4	49.030
		65,980			· · · · · · · · · · · · · · · · · · ·			· ·
28.0	53.4	59,480	32.0	56.2	49,310	34.0	60.2	45,170
30.0	49.7	54,100	34.0	53.3	45,480	36.0	58.0	41,840
32.0	45.7	49,580	36.0	50.4	42,150	38.0	55.7	38,950
34.0	41.5	45,740	38.0	47.3	39,280	40.0	53.3	36,410
36.0	36.9	42,460	40.0	44.1	36,750	45.0	47.0	31,230
38.0	31.6	39,590	45.0	34.9	31,590	50.0	40.0	27,290
40.0	25.5	34,830 *	50.0	22.7	26,890 *	55.0	31.7	24,200
						60.0	20.6	21,600 *
70' Bo Load	Boom	360°	80' Bo	Dom Boom	360°	90' Bo	Dom Boom	360°
Radius		Rated Load	Radius		Rated Load	Radius		Rated Load
	Angle			Angle			Angle	
(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)
14.0	82.0	143,600 *	16.0	81.6	126,300 *	17.0	81.9	118,820 *
15.0	81.2	134,500 *	17.0	80.8	119,100 *	18.0	81.2	112,400 *
16.0	80.3	126,500 *	18.0	80.1	112,600 *	19.0	80.6	105,220
17.0	79.5	119,300 *	19.0	79.4	105,290	20.0	79.9	96,870
18.0	78.7	112,800 *	20.0	78.6	96,930	22.0	78.6	83,480
19.0	77.8	105,400	22.0	77.2	83,550	24.0	77.3	73,230
20.0	77.0	97,060	24.0	75.7	73,320	26.0	76.0	65,140
22.0	75.3	83,700	26.0	74.2	65,230	28.0	74.7	58,570
24.0	73.6	73,470	28.0	72.7	58,680	30.0	73.4	53,150
26.0	71.9	65,380	30.0	71.2	53,260	32.0	72.0	48,580
28.0	70.1	58,840	32.0	69.7	48,690	34.0	70.7	44,700
30.0	68.4	53,430	34.0	68.1	44,840	36.0	69.3	41,380
32.0	66.6	48,890	36.0	66.6	41,490	38.0	68.0	38,440
34.0	64.8	45,030	38.0	65.0	38,580	40.0	66.6	35,890
36.0	63.0	41,680	40.0	63.4	36,020	45.0	63.0	30,660
38.0	61.1	38,800	45.0	59.3	30,820	50.0	59.4	26,670
40.0	59.2	36,240	50.0	55.0	26,820	55.0	55.6	23,520
45.0	54.3	31,040	55.0	50.5	23,670	60.0	51.6	20,960
50.0	49.0	27,070	60.0	45.6	21,140	65.0	47.4	18,870
55.0	43.3	23,960	65.0	40.3	19,060	70.0	42.9	17,100
60.0	36.9	21,450	70.0	34.4	17,350	75.0	37.9	15,630
65.0	29.3	19,420	75.0	27.3	15,890	80.0	32.3	14,370
						85.0	25.7	13,310

		n Boom R nts + 2 Low Weigh						
100' Bo	-	nts + 2 Low Weigr	110' B	-	a	120' B	oom	
		360°			360°			360°
Load	Boom		Load	Boom		Load	Boom	
Radius	Angle	Rated Load	Radius	Angle	Rated Load	Radius	Angle	Rated Load
(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)
19.0	81.5	101,850 *	20.0	81.8	92,590 *	22.0	81.5	80,680 *
20.0	80.9	96,800	22.0	80.7	83,260	24.0	80.5	72,950
22.0	79.8	83,400	24.0	79.7	73,010	26.0	79.6	64,810
24.0	78.6	73,120	26.0	78.6	64,900	28.0	78.6	58,240
26.0	77.4	65,010	28.0	77.5	58,330	30.0	77.6	52,800
28.0	76.3	58,440	30.0	76.5	52,880	32.0	76.6	48,230
30.0	75.1	53,020	32.0	75.4	48,320	34.0	75.6	44,330
32.0	73.9	48,450	34.0	74.3	44,440	36.0	74.7	40,980
34.0	72.7	44,550	36.0	73.2	41,090	38.0	73.7	38,050
36.0	71.5	41,200	38.0	72.1	38,160	40.0	72.7	35,470
38.0	70.3	38,290	40.0	71.0	35,600	45.0	70.1	30,220
40.0	69.0	35,730	45.0	68.2	30,350	50.0	67.6	26,210
45.0	65.9	30,480	50.0	65.4	26,340	55.0	65.0	23,010
50.0	62.7	26,470	55.0	62.5	23,170	60.0	62.3	20,450
55.0	59.5	23,320	60.0	59.5	20,610	65.0	59.5	18,320
60.0	56.1	20,740	65.0	56.4	18,490	70.0	56.7	16,530
65.0	52.5	18,620	70.0	53.2	16,710	75.0	53.8	15,010
70.0	48.8	16,860	75.0	49.9	15,210	80.0	50.8	13,710
75.0	44.8	15,360	80.0	46.4	13,910	85.0	47.6	12,580
80.0	40.6	14,080	85.0	42.6	12,800	90.0	44.3	11,590
85.0	35.9	12,980	90.0	38.6	11,830	95.0	40.7	10,730
90.0	30.6	12,010	95.0	34.2	10,970	100.0	36.9	9,960
95.0	24.3	11,190	100.0	29.2	10,250	105.0	32.7	9,280
00.0	2110	,	105.0	23.2	9,610	110.0	27.9	8,680
			100.0	20.2	0,010	115.0	22.2	8,170
								0,110
130' Bo	oom		140' B	oom		150' B	oom	
Load	Boom	360°	Load	Boom	360°	Load	Boom	360°
Radius	Angle	Rated Load	Radius	Angle	Rated Load	Radius	Angle	Rated Load
	- 1			- 1			-	
(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)
24.0	81.3	71,200 *	24.0	81.9	61,720 *	26.0	81.7	52,680 *
26.0	80.4	64,610	26.0	81.1	60,840 *	28.0	80.9	51,800 *
28.0	79.5	58,020	28.0	80.2	57,980	30.0	80.1	51,140 *
30.0	78.6	52,570	30.0	79.4	52,530	32.0	79.3	47,810
32.0	77.7	48,010	32.0	78.6	47,950	34.0	78.6	43,890
34.0	76.8	44,110	34.0	77.7	44,040	36.0	77.8	40,540
36.0	75.9	40,760	36.0	76.9	40,670	38.0	77.0	37,610
38.0	74.9			76.0				26.020
		37,830	38.0	76.0	37,740	40.0	76.2	35,030
40.0	74.0	35,250	40.0	75.2	35,160	45.0	74.2	29,760
40.0 45.0	74.0 71.7	35,250 30,000	40.0 45.0	75.2 73.1	35,160 29,910	45.0 50.0	74.2 72.2	29,760 25,720
40.0 45.0 50.0	74.0 71.7 69.4	35,250 30,000 25,970	40.0 45.0 50.0	75.2 73.1 70.9	35,160 29,910 25,880	45.0 50.0 55.0	74.2 72.2 70.2	29,760 25,720 22,530
40.0 45.0 50.0 55.0	74.0 71.7 69.4 67.0	35,250 30,000 25,970 22,790	40.0 45.0 50.0 55.0	75.2 73.1 70.9 68.7	35,160 29,910 25,880 22,680	45.0 50.0 55.0 60.0	74.2 72.2 70.2 68.2	29,760 25,720 22,530 19,950
40.0 45.0 50.0 55.0 60.0	74.0 71.7 69.4 67.0 64.6	35,250 30,000 25,970 22,790 20,210	40.0 45.0 50.0 55.0 60.0	75.2 73.1 70.9 68.7 66.5	35,160 29,910 25,880 22,680 20,100	45.0 50.0 55.0 60.0 65.0	74.2 72.2 70.2 68.2 66.1	29,760 25,720 22,530 19,950 17,810
40.0 45.0 50.0 55.0 60.0 65.0	74.0 71.7 69.4 67.0 64.6 62.1	35,250 30,000 25,970 22,790 20,210 18,070	40.0 45.0 50.0 55.0 60.0 65.0	75.2 73.1 70.9 68.7 66.5 64.3	35,160 29,910 25,880 22,680 20,100 17,960	45.0 50.0 55.0 60.0 65.0 70.0	74.2 72.2 70.2 68.2 66.1 64.0	29,760 25,720 22,530 19,950 17,810 16,000
40.0 45.0 55.0 60.0 65.0 70.0	74.0 71.7 69.4 67.0 64.6 62.1 59.6	35,250 30,000 25,970 22,790 20,210 18,070 16,290	40.0 45.0 50.0 65.0 65.0 70.0	75.2 73.1 70.9 68.7 66.5 64.3 62.0	35,160 29,910 25,880 22,680 20,100 17,960 16,150	45.0 50.0 55.0 60.0 65.0 70.0 75.0	74.2 72.2 70.2 68.2 66.1 64.0 61.8	29,760 25,720 22,530 19,950 17,810 16,000 14,480
40.0 45.0 55.0 60.0 65.0 70.0 75.0	74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0	35,250 30,000 25,970 22,790 20,210 18,070 16,290 14,770	40.0 45.0 55.0 60.0 65.0 70.0 75.0	75.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6	35,160 29,910 25,880 22,680 20,100 17,960 16,150 14,630	45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	74.2 72.2 70.2 68.2 66.1 64.0 61.8 59.6	29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160
40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0	74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3	35,250 30,000 25,970 22,790 20,210 18,070 16,290 14,770 13,470	40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0	75.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6 59.6 57.2	35,160 29,910 25,880 22,680 20,100 17,960 16,150 14,630 13,310	45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	 74.2 72.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 	29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010
40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5	35,250 30,000 25,970 22,790 20,210 18,070 16,290 14,770 13,470 12,320	40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	75.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6 57.2 54.7	35,160 29,910 25,880 22,680 20,100 17,960 16,150 14,630 13,310 12,160	45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	74.2 72.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 55.1	29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000
40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	 74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5 48.6 	35,250 30,000 25,970 22,790 20,210 18,070 16,290 14,770 13,470 12,320 11,330	40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	75.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6 57.2 54.7 52.2	35,160 29,910 25,880 22,680 20,100 17,960 16,150 14,630 13,310 12,160 11,170	 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 	74.2 72.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 55.1 52.7	29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000 10,110
40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	 74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5 48.6 45.6 	35,250 30,000 25,970 22,790 20,210 18,070 16,290 14,770 13,470 12,320 11,330 10,440	40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	75.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6 57.2 54.7 52.2 49.5	35,160 29,910 25,880 22,680 17,960 16,150 14,630 13,310 12,160 11,170 10,290	45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	74.2 72.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 55.1 52.7 50.3	29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000 10,110 9,320
40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	 74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5 48.6 45.6 42.4 	35,250 30,000 25,970 22,790 20,210 18,070 16,290 14,770 13,470 12,320 11,330 10,440 9,670	40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	75.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6 57.2 54.7 52.2 49.5 46.8	35,160 29,910 25,880 22,680 17,960 16,150 14,630 13,310 12,160 11,170 10,290 9,500	45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	74.2 72.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 55.1 52.7 50.3 47.7	29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000 10,110 9,320 8,640
40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	 74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5 48.6 45.6 42.4 39.0 	35,250 30,000 25,970 22,790 20,210 18,070 16,290 14,770 13,470 12,320 11,330 10,440 9,670 8,990	40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	75.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6 57.2 54.7 52.2 49.5 46.8 43.9	35,160 29,910 25,880 22,680 17,960 16,150 14,630 13,310 12,160 11,170 10,290 9,500 8,790	45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0	74.2 72.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 55.1 52.7 50.3 47.7 45.1	29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000 10,110 9,320 8,640 8,000
40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0	 74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5 48.6 45.6 42.4 39.0 35.4 	35,250 30,000 25,970 22,790 20,210 18,070 16,290 14,770 13,470 12,320 11,330 10,440 9,670 8,990 8,390	40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0	75.2 73.1 70.9 68.7 64.3 62.0 59.6 57.2 54.7 52.2 49.5 46.8 43.9 40.8	35,160 29,910 25,880 22,680 17,960 16,150 14,630 13,310 12,160 11,170 10,290 9,500 8,790 8,790 8,170	45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0	 74.2 72.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 55.1 52.7 50.3 47.7 45.1 42.3 	29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000 10,110 9,320 8,640 8,000 7,420
40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0	 74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5 48.6 45.6 42.4 39.0 35.4 31.3 	35,250 30,000 25,970 22,790 20,210 18,070 16,290 14,770 13,470 12,320 11,330 10,440 9,670 8,990 8,390 7,840	40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0	75.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6 57.2 54.7 52.2 49.5 46.8 43.9	35,160 29,910 25,880 22,680 17,960 16,150 14,630 13,310 12,160 11,170 10,290 9,500 8,790 8,790 8,170 7,620	45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0	74.2 72.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 55.1 52.7 50.3 47.7 45.1	29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000 10,110 9,320 8,640 8,000
40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0	 74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5 48.6 45.6 42.4 39.0 35.4 	35,250 30,000 25,970 22,790 20,210 18,070 16,290 14,770 13,470 12,320 11,330 10,440 9,670 8,990 8,390	40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0	 75.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6 57.2 54.7 52.2 49.5 46.8 43.9 40.8 37.5 34.0 	35,160 29,910 25,880 22,680 17,960 16,150 14,630 13,310 12,160 11,170 10,290 9,500 8,790 8,790 8,170	45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0	 74.2 72.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 55.1 52.7 50.3 47.7 45.1 42.3 	29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000 10,110 9,320 8,640 8,000 7,420
40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0	 74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5 48.6 45.6 42.4 39.0 35.4 31.3 	35,250 30,000 25,970 22,790 20,210 18,070 16,290 14,770 13,470 12,320 11,330 10,440 9,670 8,990 8,390 7,840	40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 105.0 105.0 115.0 115.0 125.0	 75.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6 57.2 54.7 52.2 49.5 46.8 43.9 40.8 37.5 	35,160 29,910 25,880 22,680 17,960 16,150 14,630 13,310 12,160 11,170 10,290 9,500 8,790 8,790 8,170 7,620	45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0	74.2 72.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 55.1 52.7 50.3 47.7 45.1 42.3 39.4 36.2 32.8	29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000 10,110 9,320 8,640 8,000 7,420 6,920
40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0	 74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5 48.6 45.6 42.4 39.0 35.4 31.3 26.7 	35,250 30,000 25,970 22,790 20,210 18,070 16,290 14,770 13,470 12,320 11,330 10,440 9,670 8,990 8,390 7,840 7,860	 40.0 45.0 50.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 105.0 105.0 115.0 125.0 130.0 	 75.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6 57.2 54.7 52.2 49.5 46.8 43.9 40.8 37.5 34.0 30.1 25.7 	35,160 29,910 25,880 22,680 17,960 16,150 14,630 13,310 12,160 11,170 10,290 9,500 8,790 8,790 8,170 7,620 7,120	 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0 125.0 130.0 135.0 	74.2 72.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 55.1 52.7 50.3 47.7 45.1 42.3 39.4 36.2 32.8 29.1	29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000 10,110 9,320 8,640 8,000 7,420 6,920 6,920 6,450 6,040 5,660
40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0	 74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5 48.6 45.6 42.4 39.0 35.4 31.3 26.7 	35,250 30,000 25,970 22,790 20,210 18,070 16,290 14,770 13,470 12,320 11,330 10,440 9,670 8,990 8,390 7,840 7,860	40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 105.0 105.0 115.0 115.0 125.0	75.2 73.1 70.9 68.7 64.3 62.0 59.6 57.2 54.7 52.2 49.5 46.8 43.9 40.8 37.5 34.0 30.1	35,160 29,910 25,880 22,680 17,960 16,150 14,630 13,310 12,160 11,170 10,290 9,500 8,790 8,790 8,170 7,620 7,120 6,650	45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0 125.0 130.0	74.2 72.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 55.1 52.7 50.3 47.7 45.1 42.3 39.4 36.2 32.8	29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000 10,110 9,320 8,640 8,000 7,420 6,920 6,920 6,940

	-III Mai	n Boom R	ated Lo	oads in	Pounds			
	0	hts + 2 Low Weigh		,	ed	4001 0		
160' B	oom		170' B	oom		180' B	oom	
Load	Boom	360°	Load	Boom	360°	Load	Boom	360°
Radius	Angle	Rated Load	Radius	Angle	Rated Load	Radius	Angle	Rated Load
(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)
28.0	81.5	44,090 *	28.0	82.0	38,800 *	30.0	81.8	33,730 *
30.0	80.7	43,430 *	30.0	81.3	38,130 *	32.0	81.1	33,060 *
32.0	80.0	42,760 *	32.0	80.6	37,470 *	34.0	80.5	32,620 *
34.0	79.3	42,100 *	34.0	79.9	37,030 *	36.0	79.8	31,960 *
36.0	78.6	40,520	36.0	79.2	36,370 *	38.0	79.2	31,520 *
38.0	77.8	37,560	38.0	78.6	35,710 *	40.0	78.5	31,080 *
40.0	77.1	34,980	40.0	77.9	34,780	45.0	76.9	29,250
45.0	75.2	29,710	45.0	76.1	29,510	50.0	75.3	25,220
50.0	73.4	25,680	50.0	74.4	25,460	55.0	73.6	22,000
55.0 60.0	71.5 69.6	22,480 19,880	55.0 60.0	72.6 70.9	22,260 19,660	60.0 65.0	72.0 70.3	19,400 17,260
65.0	67.7	17,720	65.0	69.1	17,520	70.0	68.6	15,450
70.0	65.7	15,930	70.0	67.2	15,710	75.0	66.8	13,910
75.0	63.7	14,390	75.0	65.4	14,170	80.0	65.1	12,560
80.0	61.7	13,070	80.0	63.5	12,850	85.0	63.3	11,410
85.0	59.7	11,920	85.0	61.6	11,680	90.0	61.5	10,400
90.0	57.6	10,910	90.0	59.7	10,670	95.0	59.7	9,500
95.0	55.4	10,000	95.0	57.7	9,780	100.0	57.8	8,700
100.0	53.2	9,210	100.0	55.7	8,990	105.0	55.9	8,000
105.0	50.9	8,500	105.0	53.6	8,260	110.0	54.0	7,340
110.0	48.6	7,870	110.0	51.5	7,620	115.0	52.0	6,760
115.0	46.1	7,290	115.0	49.3	7,050	120.0	49.9	6,230
120.0	43.6	6,760	120.0	47.0	6,520	125.0	47.8	5,700
125.0 130.0	40.9 38.1	6,280 5,860	125.0 130.0	44.7 42.2	6,040 5,570	130.0 135.0	45.6 43.3	5,220 4,780
135.0	35.0	5,440	135.0	39.6	5,150	140.0	40.9	4,380
140.0	31.8	5,070	140.0	36.9	4,760	145.0	38.4	4,030
145.0	28.1	4,710	145.0	34.0	4,380	150.0	35.8	3,680
150.0	24.0	4,380	150.0	30.8	4,050	155.0	33.0	3,370
		-,	155.0	27.3	3,760	160.0	29.9	3,100
			160.0	23.3	3,500	165.0	26.5	2,840
						170.0	22.6	2,620
190' B	oom		190' B	oom		200' B	oom	
Load	Boom	360°	Load	Boom	360°	Load	Boom	360°
Radius	Angle	Rated Load	Radius	Angle	Rated Load	Radius	Angle	Rated Load
(ft)	(deg.)		(ft)	(deg.)	(lbs)	(ft)	(deg.)	
32.0		(lbs)					(ueu.)	(105)
		(lbs) 29.540 *	. ,		3 040	. ,		(lbs) 25 790 *
	81.6	(lbs) 29,540 * 28,880 *	160.0	34.8	3,040 2,770	34.0	81.4	25,790 *
34.0 36.0		29,540 *	. ,		2,770	. ,		· · ·
34.0	81.6 81.0	29,540 * 28,880 *	160.0 165.0	34.8 32.0		34.0 36.0	81.4 80.9	25,790 * 25,350 *
34.0 36.0 38.0 40.0	81.6 81.0 80.4 79.8 79.2	29,540 * 28,880 * 28,430 * 27,990 * 27,550 *	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0	81.4 80.9 80.3 79.7 78.2	25,790 * 25,350 * 24,910 * 24,470 * 23,360 *
34.0 36.0 38.0 40.0 45.0	81.6 81.0 80.4 79.8 79.2 77.6	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 *	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0	81.4 80.9 80.3 79.7 78.2 76.8	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 *
34.0 36.0 38.0 40.0 45.0 50.0	81.6 81.0 80.4 79.8 79.2 77.6 76.1	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 *
34.0 36.0 38.0 40.0 45.0 50.0 55.0	81.6 81.0 80.4 79.8 79.2 77.6 76.1 74.5	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310
34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0	81.6 81.0 80.4 79.8 79.2 77.6 76.1 74.5 72.9	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110 19,510	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150
34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0	81.6 81.0 80.4 79.8 77.6 76.1 74.5 72.9 71.3	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110 19,510 17,350	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 70.8	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320
34.0 36.0 38.0 40.0 55.0 55.0 60.0 65.0 70.0	81.6 81.0 80.4 79.8 77.6 76.1 74.5 72.9 71.3 69.7	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110 19,510 17,350 15,540	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 70.8 69.3	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770
34.0 36.0 38.0 45.0 55.0 60.0 65.0 70.0 75.0	81.6 81.0 80.4 79.8 77.6 76.1 74.5 72.9 71.3 69.7 68.1	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110 19,510 17,350 15,540 13,990	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 70.8 69.3 67.7	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430
34.0 36.0 38.0 40.0 55.0 55.0 60.0 65.0 70.0	81.6 81.0 80.4 79.8 77.6 76.1 74.5 72.9 71.3 69.7 68.1 66.5	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110 19,510 17,350 15,540 13,990 12,650	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 70.8 69.3 67.7 66.2	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 11,260
34.0 36.0 38.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0	81.6 81.0 80.4 79.8 77.6 76.1 74.5 72.9 71.3 69.7 68.1	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110 19,510 17,350 15,540 13,990	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 70.8 69.3 67.7	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430
34.0 36.0 38.0 40.0 45.0 50.0 60.0 65.0 70.0 75.0 80.0 85.0	81.6 81.0 80.4 79.8 77.6 76.1 74.5 72.9 71.3 69.7 68.1 66.5 64.8	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110 19,510 17,350 15,540 13,990 12,650 11,500	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 70.8 69.3 67.7 66.2 64.6	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 11,260 10,250 9,340 8,530
34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	81.6 81.0 80.4 79.8 79.2 77.6 76.1 74.5 72.9 71.3 69.7 68.1 66.5 64.8 63.2 61.4 59.7	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110 19,510 17,350 15,540 13,990 12,650 11,500 10,470 9,560 8,770	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 70.8 69.3 67.7 66.2 64.6 63.0 61.4 59.7	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 11,260 10,250 9,340 8,530 7,820
34.0 36.0 38.0 40.0 45.0 50.0 60.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	81.6 81.0 80.4 79.8 79.2 77.6 76.1 74.5 72.9 71.3 69.7 68.1 66.5 64.8 63.2 61.4 59.7 57.9	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110 19,510 17,350 15,540 13,990 12,650 11,500 10,470 9,560 8,770 8,040	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 70.8 69.3 67.7 66.2 64.6 63.0 61.4 59.7 58.1	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 11,260 10,250 9,340 8,530 7,820 7,160
34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0	81.6 81.0 80.4 79.8 79.2 77.6 76.1 74.5 72.9 71.3 69.7 68.1 66.5 64.8 63.2 61.4 59.7 57.9 56.1	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110 19,510 17,350 15,540 13,990 12,650 11,500 10,470 9,560 8,770 8,040 7,400	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 70.8 69.3 67.7 66.2 64.6 63.0 61.4 59.7 58.1 56.3	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 11,260 10,250 9,340 8,530 7,820 7,160 6,560
34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0	81.6 81.0 80.4 79.8 79.2 77.6 76.1 74.5 72.9 71.3 69.7 68.1 64.8 63.2 61.4 59.7 57.9 56.1 54.3	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110 19,510 17,350 15,540 13,990 12,650 11,500 10,470 9,560 8,770 8,040 7,400 6,810	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 70.8 69.3 67.7 66.2 64.6 63.0 61.4 59.7 58.1 56.3 54.6	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 11,260 10,250 9,340 8,530 7,820 7,160 6,560 5,970
34.0 36.0 38.0 40.0 45.0 50.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0	81.6 81.0 80.4 79.8 79.2 77.6 76.1 74.5 72.9 71.3 69.7 68.1 66.5 64.8 63.2 61.4 59.7 57.9 56.1 54.3 52.4	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110 19,510 17,350 15,540 13,990 12,650 11,500 10,470 9,560 8,770 8,040 7,400 6,810 6,280	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0 125.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 70.8 69.3 67.7 66.2 64.6 63.0 61.4 59.7 58.1 56.3 54.6 52.8	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 11,260 10,250 9,340 8,530 7,820 7,160 6,560 5,970 5,440
34.0 36.0 38.0 40.0 45.0 50.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 125.0 125.0	81.6 81.0 80.4 79.8 79.2 77.6 76.1 74.5 72.9 71.3 69.7 68.1 66.5 64.8 63.2 61.4 59.7 57.9 56.1 54.3 52.4 50.5	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110 19,510 17,350 15,540 13,990 12,650 11,500 10,470 9,560 8,770 8,040 7,400 6,810 6,280 5,750	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0 125.0 130.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 70.8 69.3 67.7 66.2 64.6 63.0 61.4 59.7 58.1 56.3 54.6 52.8 51.0	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 11,260 10,250 9,340 8,530 7,820 7,160 6,560 5,970 5,940 4,960
34.0 36.0 38.0 40.0 45.0 50.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 115.0 125.0 130.0	81.6 81.0 80.4 79.8 79.2 77.6 76.1 74.5 72.9 71.3 69.7 68.1 66.5 64.8 63.2 61.4 59.7 57.9 56.1 54.3 52.4 50.5 48.5	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110 19,510 17,350 15,540 13,990 12,650 11,500 10,470 9,560 8,770 8,040 7,400 6,810 6,280 5,750 5,260	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 115.0 120.0 125.0 130.0 135.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 70.8 69.3 67.7 66.2 64.6 63.0 61.4 59.7 58.1 56.3 54.6 52.8 51.0 49.1	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 10,250 9,340 8,530 7,820 7,160 6,560 5,970 5,440 4,960 4,960 4,510
34.0 36.0 38.0 40.0 45.0 50.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 115.0 125.0 130.0 135.0	81.6 81.0 80.4 79.8 79.2 77.6 76.1 74.5 72.9 71.3 69.7 68.1 66.5 64.8 63.2 61.4 59.7 57.9 56.1 54.3 52.4 50.5 48.5 46.4	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110 19,510 17,350 15,540 13,990 12,650 11,500 10,470 9,560 8,770 8,040 7,400 6,810 6,280 5,750 5,260 4,800	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0 125.0 130.0 135.0 140.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 70.8 69.3 67.7 66.2 64.6 63.0 61.4 59.7 58.1 56.3 54.6 52.8 51.0 49.1 47.2	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 10,250 9,340 8,530 7,820 7,160 6,560 5,970 5,940 4,960 4,960 4,100
34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 125.0 130.0 135.0 140.0	81.6 81.0 80.4 79.8 79.2 77.6 76.1 74.5 72.9 71.3 69.7 68.1 66.5 64.8 63.2 61.4 59.7 57.9 56.1 54.3 52.4 50.5 48.5 46.4 44.3	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110 19,510 17,350 15,540 13,990 12,650 11,500 10,470 9,560 8,770 8,040 7,400 6,810 6,280 5,750 5,260 4,800 4,800 4,400	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 90.0 90.0 100.0 105.0 115.0 120.0 125.0 130.0 140.0 145.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 70.8 69.3 67.7 66.2 64.6 63.0 61.4 59.7 58.1 56.3 54.6 52.8 51.0 49.1 47.2 45.2	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 11,260 10,250 9,340 8,530 7,820 7,160 6,560 5,970 5,440 4,960 4,510 4,100 3,700
34.0 36.0 38.0 40.0 45.0 50.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 115.0 125.0 130.0 135.0	81.6 81.0 80.4 79.8 79.2 77.6 76.1 74.5 72.9 71.3 69.7 68.1 66.5 64.8 63.2 61.4 59.7 57.9 56.1 54.3 52.4 50.5 48.5 46.4	29,540 * 28,880 * 28,430 * 27,990 * 27,550 * 26,450 * 25,300 22,110 19,510 17,350 15,540 13,990 12,650 11,500 10,470 9,560 8,770 8,040 7,400 6,810 6,280 5,750 5,260 4,800	160.0 165.0	34.8 32.0	2,770	34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0 125.0 130.0 135.0 140.0	81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 70.8 69.3 67.7 66.2 64.6 63.0 61.4 59.7 58.1 56.3 54.6 52.8 51.0 49.1 47.2	25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 10,250 9,340 8,530 7,820 7,160 6,560 5,970 5,940 4,960 4,960 4,100

CK850-III Jib Rated Loads in Pounds

			FZ LOW	Weights	- Crawle	ers fully ex	tended										
80)' Boc								80	' Boo							
1	4.01	30 Offset	Jib	° Offset	40	° Offset	Jib	° Offset		409	50' Offset	Jib	° Offset	400	60' Offset		Offset
Load	Boom	Rated	Boom		Boom		Boom		Load	Boom	Rated	Boom		Boom	Rated	Boom	Rated
Radius		Load	Angle		Angle		Angle	Load	Radius	Angle	Load	Angle	Load	Angle	Load	Angle	Load
(ft.) 30	(deg.) 79.3	(lbs.) 24,000 *	(deg.)	(lbs.)	(deg.)	(lbs.)	(deg.)	(lbs.)	(ft.) 38	(deg.) 79.3	(lbs.) 20,000 *	(deg.)	(lbs.)	(deg.)	(lbs.)	(deg.)	(lbs.)
32	78.0	24,000 *	+						40	78.4	20,000 *				18,000 *		
34		24,000 *				24,000 *			45 50		20,000 *				17,940 *		
36 38		24,000 * 24,000 *		20,230 *		24,000 * 24,000 *			50 55		18,540 * 16,950 *	78.0	11.080 *		16,330 * 14,900 *		
40	73.8	24,000 *	78.5	19,730 *	76.4	24,000 *			60	1	15,690 *		10,490 *		13,750 *	78.7 8	3,950 '
45 50		24,000 *		18,600 *		24,000 *		15,360 *	65 70	1	14,610 *	73.0	9,980 *		12,780 *	76.4 8	,
50 55		24,000 [*] 23,890		17,610 * 16,710 *		22,150 * 20,280 *		14,480 * 13,640 *	70 75	1	13,660 * 12,760 *	70.4 67.6	9,540 * 9,100 *		11,900 * 11,110 *	74.1 8 71.5 7	
60	62.3	21,340		15,960	66.1	18,800 *	71.6	12,980 *	80	58.7	12,030 *	64.8	8,730 *		10,440 *	69.0 7	7,340 '
65 70		19,200 17,410		15,290 * 14,700 *		17,520 * 16,400 *		12,360 * 11,830 *	85 90		11,390 * 10,800 *	62.0 59.0	8,420 * 8,130 *	59.5 57.0	9,850 * 9,320 *	66.5 7 63.9 6	
75		15,780		14,150 *		15,360 *		11,350 *	95		10,250 *	55.6	7,840 *	54.2	8,810 *	60.9 6	
80		14,460	53.1	13,710 *		14,520 *	59.6	10,930 *	100	46.9	9,780 *	52.3	7,620 *	51.5	8,390 *	58.1 6	
85 90		13,330 12,320				13,470 12,450	52.0	10,560 * 10,250 *	105 110	43.6 40.0	9,360 * 8,990 *			48.7 45.7	8,020 * 7,670 *	55.0 6 51.8 5	<i>'</i>
95		11,370				11,500	52.5	10,230	115	35.8	8,640 *			42.3	7,340 *	51.0 0	,350
100	32.4	10,600				10,710			120					38.8	7,050 *		
105					36.7	10,000			125					35.1	6,810 *		
90)' Boc	om							90	' Boo	m						
)' Jib 30'	Offset	10	40° ° Offset	' Jib 30'	Offset		10°	50' Offset	Jib 30°	' Offset	10°	60' Offset		Offset
Load	Boom	Rated	Boom	Rated	Boom	Rated	Boom	Rated	Load	-	Deted		Rated	Boom	Deted		
Radius	-	Load	Angle		A	Load	Angle	Land		Boom	Rated	Boom		DOOLL	Rated	Boom	Rated
(ft.)	(deg.)	(lbs.)			Angle		-		Radius	Angle	Load	Angle	Load	Angle	Load	Angle	Load
32 34			(deg.)		(deg.)		(deg.)		Radius (ft.)	Angle (deg.)	Load (lbs.)		Load				
		24,000 *	(deg.)				-		Radius (ft.) 38	Angle (deg.) 80.0	Load (lbs.) 20,000 *	Angle	Load	Angle	Load	Angle	Load
36	78.1	24,000 * 24,000	(deg.)		(deg.)	(lbs.)	-		Radius (ft.)	Angle (deg.) 80.0 79.2	Load (lbs.)	Angle	Load	Angle (deg.)	Load	Angle	Load
38	78.1 77.1 76.2	24,000 24,000 24,000 24,000	(deg.)	(lbs.)	(deg.) 79.3 78.4	(lbs.) 24,000 * 24,000 *	(deg.)		Radius (ft.) 38 40 45 50	Angle (deg.) 80.0 79.2 77.1 75.0	Load (lbs.) 20,000 * 20,030 * 20,030 * 19,400 *	Angle (deg.)	Load (lbs.)	Angle (deg.) 78.6 76.6	Load (lbs.) 18,000 * 17,040 *	Angle	Load
38 40	78.1 77.1 76.2 75.2	24,000 * 24,000 * 24,000 * 24,000 *	(deg.)	(lbs.) 20,170 *	(deg.) 79.3 78.4 77.5	(lbs.) 24,000 * 24,000 * 24,000 *	(deg.)		Radius (ft.) 38 40 45 50 55	Angle (deg.) 80.0 79.2 77.1 75.0 72.7	Load (lbs.) 20,000 * 20,030 * 20,030 * 19,400 * 17,790 *	Angle (deg.) 78.9	Load (lbs.) 11,300 *	Angle (deg.) 78.6 76.6 74.5	Load (lbs.) 18,000 * 17,040 * 15,580 *	Angle (deg.)	Load (lbs.)
38 40 45 50	78.1 77.1 76.2 75.2 72.7 70.2	24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 *	(deg.) 79.5 77.0 74.4	(lbs.) 20,170 * 19,060 * 18,120 *	(deg.) 79.3 78.4 77.5 75.2 72.9	(lbs.) 24,000 * 24,000 * 24,000 * 24,000 * 23,320 *	(deg.) 78.2	(lbs.) 14,810 *	Radius (ft.) 38 40 45 50 55 60 65	Angle (deg.) 79.2 77.1 75.0 72.7 70.5 68.3	Load (lbs.) 20,000 * 20,030 * 19,400 * 17,790 * 16,510 * 15,380 *	Angle (deg.) 78.9 76.7 74.4	Load (lbs.) 11,300 * 10,730 * 10,250 *	Angle (deg.) 78.6 76.6 74.5 72.5 70.5	Load (lbs.) 18,000 * 17,040 *	Angle (deg.) 79.5 9 77.4 8	Load (lbs.)
38 40 45 50 55	78.1 77.1 76.2 75.2 72.7 70.2 67.5	24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 23,690	(deg.) 79.5 77.0 74.4 71.6	(lbs.) 20,170 * 19,060 * 18,120 * 17,210 *	(deg.) 79.3 78.4 77.5 75.2 72.9 70.4	(lbs.) 24,000 * 24,000 * 24,000 * 24,000 * 23,320 * 21,400 *	(deg.) 78.2 75.6	(lbs.) 14,810 * 14,020 *	Radius (ft.) 38 40 45 50 55 60 65 70	Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1	Load (lbs.) 20,000 * 20,030 * 19,400 * 17,790 * 16,510 * 15,380 * 14,390 *	Angle (deg.) 78.9 76.7 74.4 72.0	Load (lbs.) 11,300 * 10,730 * 10,250 * 9,780 *	Angle (deg.) 78.6 76.6 74.5 72.5 70.5 68.4	Load (lbs.) 18,000 * 17,040 * 15,580 * 14,410 * 13,400 * 12,520 *	Angle (deg.) 79.5 9 77.4 8 75.3 8	Load (lbs.) 9,100 * 3,660 * 3,240 *
38 40 45 50 55 60	78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9	24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 23,690 21,120	(deg.) 79.5 77.0 74.4 71.6 68.9	(lbs.) 20,170 * 19,060 * 18,120 * 17,210 * 16,460 *	(deg.) 79.3 78.4 77.5 75.2 72.9 70.4 68.1	(lbs.) 24,000 * 24,000 * 24,000 * 23,320 * 21,400 * 19,880 *	(deg.) 78.2 75.6 73.2	(lbs.) 14,810 * 14,020 * 13,330 *	Radius (ft.) 38 40 45 50 55 60 65	Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6	Load (lbs.) 20,000 * 20,030 * 20,030 * 19,400 * 17,790 * 16,510 * 15,380 * 14,390 *	Angle (deg.) 78.9 76.7 74.4 72.0 69.5	Load (lbs.) 11,300 * 10,730 * 10,250 * 9,780 * 9,360 *	Angle (deg.) 78.6 76.6 74.5 72.5 70.5 68.4 66.1	Load (lbs.) 18,000 * 17,040 * 15,580 * 14,410 * 13,400 * 12,520 * 11,680 *	Angle (deg.) 79.5 9 77.4 8 75.3 8 72.9 7	Load (lbs.) 9,100 * 3,660 * 3,240 * 7,870 *
38 40 45 50 55 60 65 70	78.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4	24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 23,690 * 23,690 21,120 19,000 17,190	(deg.) 79.5 77.0 74.4 71.6 68.9 66.1 63.3	(lbs.) 20,170 * 19,060 * 18,120 * 17,210 * 16,460 * 15,800 * 15,210 *	(deg.) 79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2	(lbs.) 24,000 * 24,000 * 24,000 * 23,320 * 21,400 * 19,880 * 18,560 * 17,370	(deg.) 78.2 75.6 73.2 70.7 68.1	(lbs.) 14,810 * 14,020 * 13,330 * 12,760 * 12,230 *	Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85	Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8	Load (lbs.) 20,000 * 20,030 * 20,030 * 19,400 * 10,510 * 15,380 * 14,390 * 13,490 * 12,720 * 12,050 *	Angle (deg.) 78.9 76.7 74.4 72.0 69.5 67.0 64.5	Load (lbs.) 10,730 * 10,250 * 9,780 * 9,360 * 8,990 * 8,680 *	Angle (deg.) 78.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8	Load (lbs.) 18,000 * 17,040 * 15,580 * 14,410 * 13,400 * 12,520 * 11,680 * 11,000 *	Angle (deg.) 79.5 9 77.4 8 75.3 8 72.9 7 70.7 7 68.4 7	Load (lbs.) 9,100 * 3,660 * 3,240 * 7,530 * 7,230 *
38 40 45 50 55 60 65 70 75	78.1 77.1 76.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4	24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 23,690 21,120 19,000 17,190 15,560	(deg.) 79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2	(lbs.) 20,170 * 19,060 * 18,120 * 17,210 * 16,460 * 15,800 * 15,210 * 14,660 *	(deg.) 79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4	(lbs.) 24,000 * 24,000 * 24,000 * 23,320 * 21,400 * 19,880 * 18,560 * 17,370 15,740	(deg.) 78.2 75.6 73.2 70.7 68.1 65.3	(lbs.) 14,810 * 14,020 * 13,330 * 12,760 * 12,230 * 11,720 *	Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90	Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3	Load (lbs.) 20,000 * 20,030 * 20,030 * 19,400 * 17,790 * 16,510 * 15,380 * 14,390 * 12,720 * 12,720 * 12,050 * 11,440 *	Angle (deg.) 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8	Load (lbs.) 11,300 * 10,730 * 10,250 * 9,780 * 9,780 * 8,990 * 8,990 * 8,680 * 8,370 *	Angle (deg.) 78.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5	Load (lbs.) 18,000 * 17,040 * 15,580 * 14,410 * 13,400 * 12,520 * 11,680 * 11,000 * 10,400 * 9,850 *	Angle (deg.) 79.5 9 77.4 8 75.3 8 72.9 7 70.7 7 68.4 7 66.0 6	Load (lbs.) 3,100 * 3,660 * 3,240 * 7,530 * 7,530 * 7,230 * 5,960 *
38 40 45 50 55 60 65 70	78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5	24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 23,690 * 23,690 21,120 19,000 17,190	(deg.) 79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	(lbs.) 20,170 * 19,060 * 18,120 * 17,210 * 16,460 * 15,800 * 15,210 *	(deg.) 79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 57.8	(lbs.) 24,000 * 24,000 * 24,000 * 23,320 * 21,400 * 19,880 * 18,560 * 17,370	(deg.) 78.2 75.6 73.2 70.7 68.1 65.3 62.5	(lbs.) 14,810 * 14,020 * 13,330 * 12,760 * 12,230 *	Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85	Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 53.6	Load (lbs.) 20,000 * 20,030 * 20,030 * 19,400 * 10,510 * 15,380 * 14,390 * 13,490 * 12,720 * 12,050 *	Angle (deg.) 78.9 76.7 74.4 72.0 69.5 67.0 64.5	Load (lbs.) 10,730 * 10,250 * 9,780 * 9,360 * 8,990 * 8,680 *	Angle (deg.) 78.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1	Load (lbs.) 18,000 * 17,040 * 15,580 * 14,410 * 13,400 * 12,520 * 11,680 * 11,000 *	Angle (deg.) 79.5 9 77.4 8 75.3 8 72.9 7 70.7 7 68.4 7	Load (lbs.) 3,100 * 3,660 * 3,240 * 7,530 * 7,530 * 5,960 * 5,700 *
38 40 45 50 65 70 75 80 85 90	78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1	24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 23,690 21,120 19,000 17,190 15,560 14,240 13,090 12,100	(deg.) 79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	(lbs.) 20,170 * 19,060 * 18,120 * 17,210 * 16,460 * 15,800 * 15,210 * 14,660 * 14,190 *	(deg.) 79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 57.8 55.1 52.3	(lbs.) 24,000 * 24,000 * 24,000 * 23,320 * 21,400 * 19,880 * 19,880 * 17,370 15,740 14,410 13,240 12,230	(deg.) 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	(lbs.) 14,810 * 14,020 * 13,330 * 12,760 * 12,230 * 11,720 * 11,300 * 10,930 * 10,580 *	Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105	Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0	Load (lbs.) 20,000 * 20,030 * 19,400 * 19,400 * 16,510 * 15,380 * 14,390 * 12,720 * 12,720 * 12,720 * 12,720 * 11,440 * 10,860 * 9,850 *	Angle (deg.) 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9	Load (lbs.) 11,300 * 10,730 * 10,250 * 9,780 * 9,780 * 8,990 * 8,990 * 8,680 * 8,370 * 8,110 *	Angle (deg.) 78.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2	Load (lbs.) 18,000 * 17,040 * 15,580 * 14,410 * 13,400 * 12,520 * 11,680 * 11,000 * 10,400 * 9,850 * 9,850 * 9,320 * 8,880 * 8,480 *	Angle (deg.) 79.5 9 77.4 8 75.3 8 72.9 7 70.7 7 68.4 7 66.0 6 63.4 6 60.9 6 58.3 6	Load (lbs.) 3,100 * 3,660 * 3,240 * 7,530 * 7,530 * 7,230 * 5,960 * 5,700 * 5,480 * 5,280 *
38 40 45 50 65 70 75 80 85 90 95	78.1 77.1 76.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1 43.4	24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 23,690 21,120 19,000 17,190 15,560 14,240 13,090 12,100 11,150	(deg.) 79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	(lbs.) 20,170 * 19,060 * 18,120 * 17,210 * 16,460 * 15,800 * 15,210 * 14,660 * 14,190 *	(deg.) 79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 57.8 55.1 52.3 49.1	(lbs.) 24,000 * 24,000 * 24,000 * 24,000 * 23,320 * 21,400 * 19,880 * 19,880 * 17,370 15,740 14,410 13,240 12,230 11,280	(deg.) 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	(lbs.) 14,810 * 14,020 * 13,330 * 12,760 * 12,230 * 11,720 * 11,300 * 10,930 *	Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110	Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0 45.0	Load (lbs.) 20,000 * 20,030 * 19,400 * 19,400 * 16,510 * 15,380 * 14,390 * 12,720 * 12,720 * 12,720 * 12,720 * 11,440 * 10,380 * 9,850 9,210	Angle (deg.) 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1	Load (lbs.) 11,300 * 10,730 * 10,250 * 9,780 * 9,780 * 8,990 * 8,680 * 8,370 * 8,370 * 8,110 * 7,870 *	Angle (deg.) 78.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6	Load (lbs.) 18,000 * 17,040 * 15,580 * 14,410 * 13,400 * 12,520 * 11,680 * 11,000 * 10,400 * 9,850 * 9,850 * 9,850 * 8,880 * 8,880 * 8,480 * 8,110 *	Angle (deg.) 79.5 9 77.4 8 75.3 8 72.9 7 70.7 7 68.4 7 66.0 6 63.4 6 60.9 6 58.3 6 55.5 6	Load (lbs.) 3,100 * 3,660 * 3,240 * 7,530 * 7,530 * 5,960 * 5,960 * 5,480 * 5,480 * 5,480 * 5,280 *
38 40 45 50 65 70 75 80 85 90	78.1 77.1 76.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1 43.4	24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 23,690 21,120 19,000 17,190 15,560 14,240 13,090 12,100	(deg.) 79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	(lbs.) 20,170 * 19,060 * 18,120 * 17,210 * 16,460 * 15,800 * 15,210 * 14,660 * 14,190 *	(deg.) 79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 57.8 55.1 52.3 49.1	(lbs.) 24,000 * 24,000 * 24,000 * 23,320 * 21,400 * 19,880 * 19,880 * 17,370 15,740 14,410 13,240 12,230	(deg.) 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	(lbs.) 14,810 * 14,020 * 13,330 * 12,760 * 12,230 * 11,720 * 11,300 * 10,930 * 10,580 *	Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105	Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0	Load (lbs.) 20,000 * 20,030 * 19,400 * 19,400 * 16,510 * 15,380 * 14,390 * 12,720 * 12,720 * 12,720 * 12,720 * 11,440 * 10,860 * 9,850 *	Angle (deg.) 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1	Load (lbs.) 11,300 * 10,730 * 10,250 * 9,780 * 9,780 * 8,990 * 8,680 * 8,370 * 8,370 * 8,110 * 7,870 *	Angle (deg.) 78.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2	Load (lbs.) 18,000 * 17,040 * 15,580 * 14,410 * 13,400 * 12,520 * 11,680 * 11,000 * 10,400 * 9,850 * 9,850 * 9,320 * 8,880 * 8,480 *	Angle (deg.) 79.5 9 77.4 8 75.3 8 72.9 7 70.7 7 68.4 7 66.0 6 63.4 6 60.9 6 58.3 6	Load (lbs.) 3,100 * 3,660 * 3,240 * 7,530 * 7,530 * 5,960 * 5,960 * 5,480 * 5,480 * 5,480 * 5,280 *
38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110	78.1 77.1 76.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1 43.4 39.7	24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 23,690 21,120 19,000 17,190 15,560 14,240 13,090 12,100 11,150 10,360	(deg.) 79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	(lbs.) 20,170 * 19,060 * 18,120 * 17,210 * 16,460 * 15,800 * 15,210 * 14,660 * 14,190 *	(deg.) 79.3 78.4 77.5 75.2 70.4 68.1 65.6 63.2 60.4 55.1 52.3 49.1 46.0 42.7 39.1	(lbs.) 24,000 * 24,000 * 24,000 * 23,320 * 21,400 * 19,880 * 17,370 15,740 14,410 13,240 12,230 11,280 10,490 9,760 9,120	(deg.) 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	(lbs.) 14,810 * 14,020 * 13,330 * 12,760 * 12,230 * 11,720 * 11,300 * 10,930 * 10,580 *	Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 105 120 125	Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0 45.0 41.7 38.2	Load (lbs.) 20,000 * 20,030 * 19,400 * 17,790 * 15,380 * 14,390 * 12,720 * 12,720 * 12,050 * 11,440 * 10,380 * 10,380 * 9,210 *	Angle (deg.) 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1	Load (lbs.) 11,300 * 10,730 * 10,250 * 9,780 * 9,780 * 8,990 * 8,680 * 8,370 * 8,370 * 8,110 * 7,870 *	Angle (deg.) 78.6 74.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7 43.8 40.7	Load (lbs.) 17,040 * 15,580 * 14,410 * 13,400 * 12,520 * 11,680 * 11,000 * 10,400 * 9,850 * 9,320 * 8,880 * 8,880 * 8,840 * 8,110 * 7,760 * 7,450 *	Angle (deg.) 79.5 9 77.4 8 75.3 8 72.9 7 70.7 7 68.4 7 66.0 6 63.4 6 60.9 6 58.3 6 55.5 6	Load (lbs.) 3,100 * 3,660 * 3,240 * 7,530 * 7,530 * 5,960 * 5,960 * 5,480 * 5,480 * 5,480 * 5,280 *
38 40 45 50 55 60 65 70 75 80 85 90 95 100 105	78.1 77.1 76.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1 43.4 39.7	24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 23,690 21,120 19,000 17,190 15,560 14,240 13,090 12,100 11,150 10,360	(deg.) 79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	(lbs.) 20,170 * 19,060 * 18,120 * 17,210 * 16,460 * 15,800 * 15,210 * 14,660 * 14,190 *	(deg.) 79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 57.8 55.1 52.3 49.1 46.0 42.7	(lbs.) 24,000 * 24,000 * 24,000 * 23,320 * 21,400 * 19,880 * 17,370 15,740 14,410 13,240 12,230 11,280 10,490 9,760	(deg.) 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	(lbs.) 14,810 * 14,020 * 13,330 * 12,760 * 12,230 * 11,720 * 11,300 * 10,930 * 10,580 *	Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 105 120 125 130	Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0 45.0 41.7 38.2	Load (lbs.) 20,000 * 20,030 * 19,400 * 17,790 * 15,380 * 14,390 * 12,720 * 12,720 * 12,720 * 13,490 * 13,490 * 13,490 * 10,380 * 10,380 * 10,380 * 9,210 * * 9,210 * * 9,210 * * 9,210 * *	Angle (deg.) 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1	Load (lbs.) 11,300 * 10,730 * 10,250 * 9,780 * 9,780 * 8,990 * 8,680 * 8,370 * 8,370 * 8,110 * 7,870 *	Angle (deg.) 78.6 76.6 74.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7 43.8 40.7 37.4	Load (lbs.) 17,040 * 15,580 * 14,410 * 13,400 * 12,520 * 11,680 * 11,000 * 10,400 * 9,850 * 9,320 * 8,880 * 8,880 * 8,840 * 8,110 * 7,760 * 7,450 * 7,180 * 6,940 *	Angle (deg.) 79.5 9 77.4 8 75.3 8 72.9 7 70.7 7 68.4 7 66.0 6 63.4 6 60.9 6 58.3 6 55.5 6	Load (lbs.) 3,100 * 3,660 * 3,240 * 7,530 * 7,530 * 5,960 * 5,960 * 5,480 * 5,480 * 5,480 * 5,280 *
38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110	78.1 77.1 76.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1 43.4 39.7	24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 23,690 21,120 19,000 17,190 15,560 14,240 13,090 12,100 11,150 10,360	(deg.) 79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	(lbs.) 20,170 * 19,060 * 18,120 * 17,210 * 16,460 * 15,800 * 14,660 * 14,190 *	(deg.) 79.3 78.4 77.5 75.2 70.4 68.1 65.6 63.2 60.4 55.1 52.3 49.1 46.0 42.7 39.1	(lbs.) 24,000 * 24,000 * 24,000 * 23,320 * 21,400 * 19,880 * 17,370 15,740 14,410 13,240 12,230 11,280 10,490 9,760 9,120	(deg.) 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	(lbs.) 14,810 * 14,020 * 13,330 * 12,760 * 12,230 * 11,720 * 11,300 * 10,930 * 10,580 *	Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 105 120 125	Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0 45.0 41.7 38.2	Load (lbs.) 20,000 * 20,030 * 19,400 * 17,790 * 15,380 * 14,390 * 12,720 * 12,720 * 12,720 * 13,490 * 13,490 * 13,490 * 10,380 * 10,380 * 10,380 * 9,210 * * 9,210 * * 9,210 * * 9,210 * *	Angle (deg.) 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1	Load (lbs.) 11,300 * 10,730 * 10,250 * 9,780 * 9,780 * 8,990 * 8,680 * 8,370 * 8,370 * 8,110 * 7,870 *	Angle (deg.) 78.6 74.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7 43.8 40.7	Load (lbs.) 17,040 * 15,580 * 14,410 * 13,400 * 12,520 * 11,680 * 11,000 * 10,400 * 9,850 * 9,320 * 8,880 * 8,880 * 8,840 * 8,110 * 7,760 * 7,450 *	Angle (deg.) 79.5 9 77.4 8 75.3 8 72.9 7 70.7 7 68.4 7 66.0 6 63.4 6 60.9 6 58.3 6 55.5 6	Load (lbs.) 3,100 * 3,660 * 3,240 * 7,530 * 7,530 * 5,960 * 5,960 * 5,480 * 5,480 * 5,480 * 5,280 *
38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110	78.1 77.1 76.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1 43.4 39.7	24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 23,690 21,120 19,000 17,190 15,560 14,240 13,090 12,100 11,150 10,360	(deg.) 79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	(lbs.) 20,170 * 19,060 * 18,120 * 17,210 * 16,460 * 15,800 * 14,660 * 14,190 *	(deg.) 79.3 78.4 77.5 75.2 70.4 68.1 65.6 63.2 60.4 55.1 52.3 49.1 46.0 42.7 39.1	(lbs.) 24,000 * 24,000 * 24,000 * 23,320 * 21,400 * 19,880 * 17,370 15,740 14,410 13,240 12,230 11,280 10,490 9,760 9,120	(deg.) 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	(lbs.) 14,810 * 14,020 * 13,330 * 12,760 * 12,230 * 11,720 * 11,300 * 10,930 * 10,580 *	Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 105 120 125 130	Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0 45.0 41.7 38.2	Load (lbs.) 20,000 * 20,030 * 19,400 * 17,790 * 15,380 * 14,390 * 12,720 * 12,720 * 12,720 * 13,490 * 13,490 * 13,490 * 10,380 * 10,380 * 10,380 * 9,210 * * 9,210 * * 9,210 * * 9,210 * *	Angle (deg.) 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1	Load (lbs.) 11,300 * 10,730 * 10,250 * 9,780 * 9,780 * 8,990 * 8,680 * 8,370 * 8,370 * 8,110 * 7,870 *	Angle (deg.) 78.6 76.6 74.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7 43.8 40.7 37.4	Load (lbs.) 17,040 * 15,580 * 14,410 * 13,400 * 12,520 * 11,680 * 11,000 * 10,400 * 9,850 * 9,320 * 8,880 * 8,880 * 8,840 * 8,110 * 7,760 * 7,450 * 7,180 * 6,940 *	Angle (deg.) 79.5 9 77.4 8 75.3 8 72.9 7 70.7 7 68.4 7 66.0 6 63.4 6 60.9 6 58.3 6 55.5 6	Load (lbs.) 3,100 * 3,660 * 3,240 * 7,530 * 7,530 * 5,960 * 5,960 * 5,480 * 5,480 * 5,480 * 5,280 *
38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110	78.1 77.1 76.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1 43.4 39.7	24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 23,690 21,120 19,000 17,190 15,560 14,240 13,090 12,100 11,150 10,360	(deg.) 79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	(lbs.) 20,170 * 19,060 * 18,120 * 17,210 * 16,460 * 15,800 * 14,660 * 14,190 *	(deg.) 79.3 78.4 77.5 75.2 70.4 68.1 65.6 63.2 60.4 55.1 52.3 49.1 46.0 42.7 39.1	(lbs.) 24,000 * 24,000 * 24,000 * 23,320 * 21,400 * 19,880 * 17,370 15,740 14,410 13,240 12,230 11,280 10,490 9,760 9,120	(deg.) 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	(lbs.) 14,810 * 14,020 * 13,330 * 12,760 * 12,230 * 11,720 * 11,300 * 10,930 * 10,580 *	Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 105 120 125 130	Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0 45.0 41.7 38.2	Load (lbs.) 20,000 * 20,030 * 19,400 * 17,790 * 15,380 * 14,390 * 12,720 * 12,720 * 12,720 * 13,490 * 13,490 * 13,490 * 10,380 * 10,380 * 10,380 * 9,210 * * 9,210 * * 9,210 * * 9,210 * *	Angle (deg.) 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1	Load (lbs.) 11,300 * 10,730 * 10,250 * 9,780 * 9,780 * 8,990 * 8,680 * 8,370 * 8,370 * 8,110 * 7,870 *	Angle (deg.) 78.6 76.6 74.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7 43.8 40.7 37.4	Load (lbs.) 17,040 * 15,580 * 14,410 * 13,400 * 12,520 * 11,680 * 11,000 * 10,400 * 9,850 * 9,320 * 8,880 * 8,880 * 8,840 * 8,110 * 7,760 * 7,450 * 7,180 * 6,940 *	Angle (deg.) 79.5 9 77.4 8 75.3 8 72.9 7 70.7 7 68.4 7 66.0 6 63.4 6 60.9 6 58.3 6 55.5 6	Load (lbs.) 3,100 * 3,660 * 3,240 * 7,530 * 7,530 * 5,960 * 5,960 * 5,480 * 5,480 * 5,480 * 5,480 * 5,480 *
38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110	78.1 77.1 76.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1 43.4 39.7	24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 23,690 21,120 19,000 17,190 15,560 14,240 13,090 12,100 11,150 10,360	(deg.) 79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	(lbs.) 20,170 * 19,060 * 18,120 * 17,210 * 16,460 * 15,800 * 14,660 * 14,190 *	(deg.) 79.3 78.4 77.5 75.2 70.4 68.1 65.6 63.2 60.4 57.8 55.1 52.3 49.1 46.0 42.7 39.1	(lbs.) 24,000 * 24,000 * 24,000 * 23,320 * 21,400 * 19,880 * 17,370 15,740 14,410 13,240 12,230 11,280 10,490 9,760 9,120	(deg.) 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	(lbs.) 14,810 * 14,020 * 13,330 * 12,760 * 12,230 * 11,720 * 11,720 * 11,300 * 10,930 * 10,580 *	Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 105 120 125 130	Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0 45.0 41.7 38.2	Load (lbs.) 20,000 * 20,030 * 19,400 * 17,790 * 15,380 * 14,390 * 12,720 * 12,720 * 12,720 * 13,490 * 13,490 * 13,490 * 10,380 * 10,380 * 10,380 * 9,210 * * 9,210 * * 9,210 * * 9,210 * *	Angle (deg.) 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1	Load (lbs.) 11,300 * 10,730 * 10,250 * 9,780 * 9,780 * 8,990 * 8,680 * 8,370 * 8,370 * 8,110 * 7,870 *	Angle (deg.) 78.6 76.6 74.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7 43.8 40.7 37.4	Load (lbs.) 17,040 * 15,580 * 14,410 * 13,400 * 12,520 * 11,680 * 11,000 * 10,400 * 9,850 * 9,320 * 8,880 * 8,880 * 8,840 * 8,110 * 7,760 * 7,450 * 7,180 * 6,940 *	Angle (deg.) 79.5 9 77.4 8 75.3 8 72.9 7 70.7 7 68.4 7 66.0 6 63.4 6 60.9 6 58.3 6 55.5 6	Load (lbs.) 3,100 * 3,660 * 3,240 * 7,530 * 7,530 * 5,960 * 5,960 * 5,480 * 5,480 * 5,480 * 5,480 * 5,480 *

	Counte 0' Bo		+ 2 Low	Weights ·	- Crawle	ers fully ex	tended		_ 100)' Bo	om						
			0' Jib			40	' Jib					Jib			60'	Jib	
Load Radius (ft.) 32 34 36 38 40 45 50 55 60 65 70 75	Boom Angle (deg.) 79.9 79.0 78.1 77.2 76.4 74.1 71.8 69.3 67.0 64.5	° Offset Rated Load	30° Boom Angle (deg.) * * * * * * * * * * * * * * * * * * *	² Offset Rated Load (lbs.) 19,480 ⁴ 18,560 ⁴ 17,650 ⁴ 16,260 ⁴ 15,670 ⁴	Boom Angle (deg.) 79.2 78.4 76.3 74.2 71.9 69.7 67.5 65.3	[°] Offset Rated Load (lbs.) 24,000 * 24,000 * 24,000 * 24,000 *	30° Boom Angle (deg.) 79.1 76.7 74.5 72.2	² Offset Rated Load (lbs.) 15,100 * 14,320 * 13,660 * 13,090 * 12,560 *	Load Radius (ft.) 40 45 50 55 60 65 70 75 80 85 90 95	Boom Angle (deg.) 79.9 78.0 76.0 73.9 71.9 69.9 67.8 65.6 63.4 61.2 59.0	° Offset Rated Load	30° Boom Angle (deg.) 79.7 79.7 75.5	 Offset Rated Load (lbs.) 11,500 * 10,950 * 10,470 * 10,470 * 9,610 * 9,230 * 8,920 * 8,610 * 8,330 * 	Boom Angle (deg.) 79.3 77.5 75.5 73.7 71.8 69.9 67.8	° Offset Rated Load	30° Boom Angle (deg.) 78.3 76.3 74.2 72.1 70.0 67.9	Load
80 85 90 95 100 105 110 115 120 125	56.7 54.0 51.2 48.1 45.0 41.7 38.1 34.0	13,970 12,830 11,810 10,860 9,360 8,730 8,130	60.2 57.4 54.5 51.2 0' Jib	14,300 13,110 12,050 11,060	62.8 60.4 58.0 55.5 52.8 50.1 47.2 44.3 40.9 37.4 33.7	14,150 13,000 11,970 11,020 9,500 8,860 8,220 7,690 7,230	64.9	12,050 * 11,640 * 11,260 * 10,910 * 10,580 * 10,310 *	100 105 110 115 120 125 130 135 140 145	54.1 51.6 49.0 46.1 43.2 40.2 36.8 33.2	10,310 9,590 8,950 8,310 7,780 7,290 6,830 6,430	59.1 56.4 53.7	8,090 * 7,870 * 7,690 *	59.5 57.3 55.1 52.7 50.2 47.7 45.1 42.3 39.4 35.9 32.4	9,810 * 9,340 * 8,920 * 8,550 * 8,170 * 7,340 6,870 6,480 6,480 6,060 5,730	63.2 60.9 58.4 55.7 53.1	6,670 6,450 6,280 6,100 5,950
Load Radius (ft.)	Boom	Load	30° Boom Angle (deg.)	Offset Rated Load (lbs.)	Boom Angle	Load	Boom Angle		Load Radius (ft.)	Boom Angle	Load	Boom Angle	P Offset Rated Load (lbs.)	Boom Angle		Boom Angle	
34 36 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 120	79.8 79.0 78.2 77.3 75.3 73.2 70.9 68.7 66.5 64.3 61.8 59.4 57.0 54.5	24,000 24,000 24,000 24,000 24,000 23,320 20,740 18,580 16,770 15,140	79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7 60.2 57.6 54.8	19,860 * 18,930 * 18,070 * 17,350 *	79.9 79.2 77.2 75.3 73.2 71.2 69.1 67.1 62.7 60.5 58.2 55.7	24,000 * 24,000 * 24,000 * 23,500 * 20,960 18,800 16,970 15,340 13,990 12,830 11,810 10,840 10,050 9,320	79.9 77.7 75.6 73.5 71.4 69.1 66.9 64.6 62.2 59.7	15,360 * 14,610 * 13,970 * 13,400 * 12,870 * 12,380 * 11,940 * 11,570 * 11,220 *	45 50 55 60 65 70 75 80 85 90 95 100 105 110	78.8 76.9 75.0 73.1 71.2 69.3 67.2 65.2 63.2 61.2 58.9	20,000 * 20,000 * 19,330 * 17,980 * 16,820 * 15,800 * 14,020 * 14,020 * 12,960 11,920 10,160 9,430 8,770 8,130 7,600 7,120 6,650 6,260 5,860	78.5 76.5	11,150 * 10,250 * 9,830 * 9,470 * 9,140 * 8,840 * 8,550 * 8,310 * 8,090 * 7,890 * 7,690 *	80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 63.6	18,000 * 18,000 * 16,820 * 15,600 * 13,640 * 12,050 * 12,050 * 11,410 * 10,840 * 10,270 * 9,780 * 9,780 * 9,360 * 8,840 * 7,640 * 7,640 * 5,880 * 5,880 *	79.1 77.2 75.2 73.3 71.4 69.4 67.2 65.2 63.0 60.9 58.4 56.1	8,970 8,570 8,200 7,890 7,580 7,580 7,580 7,580 6,830 6,830 6,430 6,430 6,430 6,100 5,970

			+ 2 Low	Weights	- Crawle	ers fully ex	tended		_1.20	י Po	om –						
120	0' Bo)' Jib			40	' Jib		120	0' Bo)' Jib			60'	lih	
	10	° Offset		Offset	10	° Offset		° Offset		10	° Offset		° Offset	10	° Offset		Offset
Load	Boom		Boom		Boom		Boom		Load	Boom		Boom		Boom		Boom	
Radius			Angle	Load	Angle		Angle	Load	Radius	Angle		Angle		Angle		Angle	
(ft.) 36	(deg.)	(lbs.) 24,000 *	(deg.)	(lbs.)	(deg.)) (lbs.)	(deg.)	(lbs.)	(ft.) 45	(deg.)	(lbs.) 20,000 *	(deg.)	(lbs.)	(deg.)	(lbs.)	(deg.)	(lbs.)
38		24,000							50		20,000 *	t		78.9	18,000 *		
40		24,000 *			79.9	24,000 *			55		20,000 *	r			17,390 *		
45		24,000 *		20,190		24,000 *			60		18,690 *		11,330 *		16,180 *		
50		24,000 *		19,290			70 5	44.000 +	65		17,500 *		10,860 *		15,120 *		9,080 *
55 60		23,100 20,520	75.6 73.5	18,450 17,720	* 74.3 * 72.4		78.5 76.6	14,880 * 14,240 *	70 75		16,440 * 15,250		10,420 * 10,030 *		14,170 * 13,290 *		8,700 * 8,350 *
65	68.2		71.4	,	* 70.5	18,580	74.7	13,690 *	80		13,910	71.7	9.670 *	68.7			8.040 *
70	66.1	-	69.3	16,490		16,770		13,160 *	85		12,740	69.7	9,340 *	67.0	11,900 *		7,730 *
75		14,920	67.0	15,340	66.5	15,100		12,670 *	90		11,700	67.8	9,060 *		11,300 *		7,470 *
80 85		13,600	64.8	13,970	64.5	13,770		12,250 *	95		10,730	65.6	8,770 *		10,730 *		7,230 *
85 90	59.5 57.3	12,430 11,410	62.6 60.2	12,780 11,720	62.5 60.5	12,610 11,570	66.4 64.3	11,860 * 11,500 *	100 105	59.0 57.0	9,920 9,190	63.6 61.4	8,500 * 8,280 *	61.5 59.6	9,980 9,250	1	7,010 * 6,790 *
95	54.8	10,470	57.7	10,730	58.2	,	62.0	11,130	110	54.9	8,530	59.3	8,060 *	57.7	8,590		6,610 *
100	52.4	9,650	55.2	9,890	56.0	9,810	59.7	10,290	115	52.6	7,890	56.8	7,870 *	55.6	7,950	1	6,410 *
105	49.9	8,950	52.6	9,140	53.8	9,080	57.4	9,520	120	50.4	7,360	54.5	7,690 *	53.6	7,400		6,260 *
110 115	47.3 44.5	8,310 7,690			51.5 49.0	8,440 7,800	55.0 52.3	8,840 8,150	125 130	48.1 45.7	6,850 6,410	52.1	7,250	51.5 49.3	6,920 6,450		6,100 * 5,970 *
120	44.5	7,050			49.0	7,800	52.5	0,150	135	43.1	5,990			49.3	6, 040	1	5,860 *
125	38.5	6,670			43.8	6,790			140	40.3	5,590			44.6	5,640		-,
130	35.3	6,230			41.1	6,320			145	37.4	5,240			42.2	5,290		
135	31.7	5,840			38.1	5,930			150	34.3	4,910			39.6	4,960		
140					34.7	5,530			155 160					36.8 33.6	4,650 4,340		
									100					33.0	4,340		
12																	
10	0' Bo								130)' Bo							
13		30)' Jib 30'	° Offset	10		' Jib 30'	° Offset	13(50)' Jib 30'	° Offset	10	60' ° Offset		Offset
	10	30 ° Offset	30	² Offset		° Offset	30	° Offset		10	50 ° Offset	30	° Offset		° Offset	30°	Offset
Load	10 Boom	30 ° Offset Rated	30' Boom	Rated	Boom	° Offset Rated	30' Boom	Rated	Load	10 Boom	50 ° Offset Rated	30 Boom	Rated	Boom	° Offset Rated	30° Boom	Rated
	10 Boom	30 ° Offset Rated Load	30			° Offset Rated Load	30	Rated Load		10	50 ° Offset Rated Load	30	Rated Load		° Offset Rated Load	30°	Rated Load
Load Radius (ft.)	10 Boom Angle (deg.)	30 ° Offset Rated Load (Ibs.)	30 Boom Angle (deg.)	Rated Load	Boom Angle	° Offset Rated Load	30 Boom Angle	Rated Load	Load Radius (ft.)	10 Boom Angle (deg.)	50 ° Offset Rated Load (lbs.)	30 Boom Angle	Rated Load	Boom Angle	° Offset Rated Load	30° Boom Angle	Rated Load
Load Radius	10 Boom Angle (deg.) 79.7	30 ° Offset Rated Load	30 Boom Angle (deg.)	Rated Load	Boom Angle	° Offset Rated Load	30 Boom Angle	Rated Load	Load Radius	10 Boom Angle (deg.) 80.0	50 ° Offset Rated Load	30 [°] Boom Angle (deg.)	Rated Load	Boom Angle (deg.)	° Offset Rated Load	30° Boom Angle	Rated Load
Load Radius (ft.) 38 40 45	10 Boom Angle (deg.) 79.7 79.0 77.1	30 ° Offset Rated Load (lbs.) 24,000 * 24,000 *	30 Boom Angle (deg.)	Rated Load (Ibs.)	Boom Angle (deg.) 78.8	° Offset Rated Load (Ibs.) 24,000 *	30 [°] Boom Angle (deg.)	Rated Load	Load Radius (ft.) 45 50 55	10 Boom Angle (deg.) 80.0 78.4 76.7	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 *	30 [°] Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.) 79.5 77.9	° Offset Rated Load (lbs.) 18,000 * 17,920 *	30° Boom Angle	Rated Load
Load Radius (ft.) 38 40 45 50	10 Boom Angle (deg.) 79.7 79.0 77.1 75.3	30 ° Offset Rated Load (lbs.) 24,000 * 24,000 * 24,000 *	30 [°] Boom Angle (deg.)	Rated Load (Ibs.)	Boom Angle (deg.) 78.8 * 77.1	 Offset Rated Load (lbs.) 24,000 * 24,000 * 	30 Boom Angle (deg.)	Rated Load (Ibs.)	Load Radius (ft.) 45 50 55 60	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 19,330 *	30 [°] Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.) 79.5 77.9 76.3	[°] Offset Rated Load (lbs.) 18,000 * 17,920 * 16,710 *	30° Boom Angle	Rated Load
Load Radius (ft.) 38 40 45 50 55	10 Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4	30 ° Offset Rated Load (lbs.) 24,000 * 24,000 * 24,000 * 24,000 *	30 Boom Angle (deg.) 78.5 76.5	Rated Load (Ibs.) 19,620 18,780	Boom Angle (deg.) 78.8 * 77.1 * 75.2	 Offset Rated Load (lbs.) 24,000 * 24,000 * 23,170 	30 Boom Angle (deg.) 79.3	Rated Load (Ibs.) 15,100 *	Load Radius (ft.) 45 50 55 60 65	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 19,330 * 18,140 *	30 Boom Angle (deg.) 79.9 78.2	Rated Load (lbs.) 11,480 * 11,020 *	Boom Angle (deg.) 79.5 77.9 76.3 74.8	[°] Offset Rated Load (lbs.) 18,000 * 17,920 * 16,710 * 15,630 *	30° Boom Angle (deg.)	Rated Load (lbs.)
Load Radius (ft.) 38 40 45 50	10 Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5	30 ° Offset Rated Load (lbs.) 24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 * 24,000 *	30 Boom Angle (deg.) 78.5 76.5 74.6	Rated Load (Ibs.)	Boom Angle (deg.) 78.8 * 77.1 * 75.2 * 73.5	 Offset Rated Load (lbs.) 24,000 * 24,000 * 23,170 20,540 	30 Boom Angle (deg.) 79.3 77.5	Rated Load (lbs.) 1 5,100 * 14,500 *	Load Radius (ft.) 45 50 55 60 65 70	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 19,330 * 18,140 * 16,710	30 Boom Angle (deg.) 79.9 78.2 76.5	Rated Load (lbs.)	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2	[°] Offset Rated Load (lbs.) 18,000 * 17,920 * 16,710 *	30° Boom Angle (deg.) 78.7	Rated Load (lbs.) 8,840 *
Load Radius (ft.) 38 40 45 50 55 60	10 Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7	30 ° Offset Rated Load (lbs.) 24,000 24,000 24,000 22,880 20,300 18,140 16,330	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7	Rated Load (lbs.) 19,620 18,780 18,070 17,430 16,860	Boom Angle (deg.) 78.8 * 77.1 * 75.2 * 73.5 * 71.7 69.9	 Offset Rated Load (lbs.) 24,000 * 24,000 * 23,170 20,540 18,380 16,550 	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8	Rated Load (lbs.) 15,100 * 14,500 * 13,930 * 13,420 *	Load Radius (ft.) 45 50 55 60 65 70 75 80	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 19,330 * 18,140 * 16,710 15,030 13,690	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8	Rated Load (lbs.) 11,480 * 10,620 * 10,620 * 9,850 *	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2 71.5 69.9	° Offset Rated Load (lbs.) 18,000 * 17,920 * 16,710 * 15,630 * 14,680 * 13,800 * 13,050 *	30° Boom Angle (deg.) 78.7 76.9 75.3	Rated Load (lbs.) 8,840 * 8,480 * 8,170 *
Load Radius (ft.) 38 40 45 50 55 60 65 70 75	10 Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6	30 ° Offset Rated Load (lbs.) 24,000 24,000 24,000 22,880 20,300 18,140 16,330 14,680	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7 68.6	Rated Load (lbs.) 19,620 18,780 18,070 17,430 16,860 15,140	Boom Angle (deg.) 78.8 * 77.1 * 75.2 * 73.5 * 71.7 69.9 68.0	 Offset Rated Load (lbs.) 24,000 * 24,000 * 23,170 20,540 18,380 16,550 14,880 	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8	Rated Load (lbs.) 15,100 * 14,500 * 13,930 * 13,420 * 12,940 *	Load Radius (ft.) 45 50 55 60 65 70 75 80 85	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 19,330 * 18,140 * 16,710 15,030 13,690 12,520	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0	Rated Load (lbs.) 11,480 * 10,620 * 10,620 * 9,850 * 9,540 *	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3	* Offset Rated Load (lbs.) 18,000 * 17,920 * 16,710 * 15,630 * 14,680 * 13,800 * 13,050 *	30° Boom Angle (deg.) 78.7 76.9 75.3 73.6	Rated Load (lbs.) 8,840 * 8,480 * 8,170 * 7,890 *
Load Radius (ft.) 38 40 45 50 55 60 65 70 75 80	10 Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.6	30 ° Offset Rated Load (lbs.) 24,000 * 24,000 * 2	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7 68.6 66.6	Rated Load (lbs.) 19,620 18,780 18,070 17,430 16,860 15,140 13,770	Boom Angle (deg.) 78.8 * 77.1 * 75.2 * 73.5 * 71.7 69.9 68.0 66.2	 Offset Rated Load (lbs.) 24,000 * 24,000 * 23,170 20,540 18,380 16,550 14,880 13,550 	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8 69.9	Rated Load (lbs.) 15,100 * 14,500 * 13,930 * 13,420 * 12,940 * 12,520 *	Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 19,330 * 18,140 * 16,710 15,030 13,690 12,520 11,480	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0 69.2	Rated Load (lbs.) 11,480 * 10,620 * 9,850 * 9,540 * 9,230 *	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6	* Offset Rated Load (lbs.) 18,000 * 17,920 * 16,710 * 15,630 * 14,680 * 13,050 * 13,050 * 11,570	30° Boom Angle (deg.) 78.7 76.9 75.3 73.6 71.9	Rated Load (lbs.) 8,840 * 8,480 * 8,170 * 7,890 * 7,620 *
Load Radius (ft.) 38 40 45 50 55 60 65 70 75	10 Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.6 63.6 61.6	30 ° Offset Rated Load (lbs.) 24,000 24,000 24,000 22,880 20,300 18,140 16,330 14,680	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5	Rated Load (lbs.) 19,620 18,780 18,070 17,430 16,860 15,140	Boom Angle (deg.) 78.8 * 77.1 * 75.2 * 73.5 * 71.7 69.9 68.0 66.2	 Offset Rated Load (lbs.) 24,000 * 24,000 * 23,170 20,540 18,380 16,550 14,880 13,550 12,380 	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8 69.9 68.0	Rated Load (lbs.) 15,100 * 14,500 * 13,930 * 13,420 * 12,940 *	Load Radius (ft.) 45 50 55 60 65 70 75 80 85	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 19,330 * 18,140 * 16,710 15,030 13,690 12,520	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0	Rated Load (lbs.) 11,480 * 10,620 * 10,620 * 9,850 * 9,540 *	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6	* Offset Rated Load (lbs.) 18,000 * 17,920 * 16,710 * 15,630 * 14,680 * 13,800 * 13,050 *	30° Boom Angle (deg.) 78.7 76.9 75.3 73.6 71.9 70.0	Rated Load (lbs.) 8,840 * 8,480 * 8,170 * 7,890 * 7,620 * 7,360 *
Load Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85	10 Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.6 63.6 61.6	30 ° Offset Rated Load (lbs.) 24,000 * 24,000 * 2	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5	Rated Load (lbs.) 19,620 18,780 18,070 17,430 16,860 15,140 13,770 12,580	Boom Angle (deg.) * 77.1 * 75.2 * 73.5 * 71.7 69.9 68.0 66.2 64.3	 Offset Rated Load (lbs.) 24,000 * 24,000 * 23,170 20,540 18,380 16,550 14,880 13,550 12,380 11,350 	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8 69.9 68.0 66.1	Rated Load (lbs.) 15,100 * 14,500 * 13,930 * 13,420 * 12,940 * 12,520 * 12,140 *	Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 19,330 * 18,140 * 16,710 15,030 13,690 12,520 11,480 10,510	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2	Rated Load (lbs.) 11,480 * 10,620 * 9,850 * 9,540 * 9,230 * 8,950 *	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8	* Offset Rated Load (lbs.) 18,000 * 17,920 * 16,710 * 15,630 * 14,680 * 13,050 * 13,050 * 12,360 * 11,570 10,580 9,760 9,030	30° Boom Angle (deg.) 78.7 76.9 75.3 73.6 71.9 70.0 68.3	Rated Load (lbs.) 8,840 * 8,480 * 8,170 * 7,890 * 7,620 *
Load Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100	10 Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.6 61.6 59.6 57.3 55.2	30 ° Offset Rated Load (lbs.) 24,000 * 24,000 * 2	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9	Rated Load (lbs.) 19,620 18,780 18,070 17,430 16,860 15,140 13,770 12,580 11,530 10,510 9,700	Boom Angle (deg.) 78.8 * 77.1 * 75.2 * 73.5 * 71.7 69.9 68.0 66.2 64.3 62.4 64.3 62.4 60.3 58.3	 Offset Rated Load (lbs.) 24,000 * 24,000 * 24,000 * 23,170 20,540 18,380 16,550 14,880 13,550 12,380 11,350 10,380 9,560 	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8 69.9 68.0 66.1 63.9 61.9	Rated Load (lbs.) 15,100 * 14,500 * 13,930 * 13,420 * 12,520 * 12,520 * 12,140 * 11,770 * 10,950 10,090	Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1 57.2	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 19,330 * 18,140 * 16,710 13,690 12,520 11,480 10,510 9,700 8,950 8,310	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3 63.4 61.4	Rated Load (lbs.) 11,480 * 10,620 * 10,620 * 9,850 * 9,540 * 9,230 * 8,950 * 8,700 * 8,480 * 8,260 *	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6	* Offset Rated Load (lbs.) 18,000 * 17,920 * 16,710 * 15,630 * 14,680 * 13,050 * 13,050 * 12,360 * 11,570 10,580 9,760 9,030 8,370	30° Boom Angle (deg.) 78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6	Rated Load (lbs.) 8,840 * 8,480 * 8,170 * 7,890 * 7,620 * 7,360 * 7,140 * 6,940 *
Load Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105	10 Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.6 61.6 59.6 57.3 55.2 52.9	30 ^o Offset Rated Load (lbs.) 24,000 24,000 24,000 22,880 20,300 18,140 16,330 14,680 13,350 12,210 11,170 10,220 9,430 8,700	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9 55.6	Rated Load (lbs.) 19,620 18,780 18,070 17,430 16,860 15,140 13,770 12,580 11,530 10,510 9,700 8,950	Boom Angle (deg.) 78.8 * 77.1 * 75.2 * 73.5 * 71.7 69.9 68.0 66.2 64.3 62.4 60.3 58.3 58.3 56.3	 Offset Rated Load (lbs.) 24,000 * 24,000 * 24,000 * 23,170 20,540 18,380 16,550 14,880 13,550 12,380 11,350 10,380 9,560 8,860 	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8 69.9 68.0 66.1 63.9 61.9 59.8	Rated Load (lbs.) 15,100 * 14,500 * 13,930 * 13,420 * 12,520 * 12,940 * 12,520 * 12,140 * 11,770 * 10,950 10,090 9,340	Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1 57.2 55.1	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 19,330 * 18,140 * 16,710 13,690 12,520 11,480 10,510 9,700 8,950 8,310 7,670	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3 63.4 61.4 59.2	Rated Load (lbs.) 11,480 * 10,620 * 9,850 * 9,540 * 9,230 * 8,950 * 8,700 * 8,480 * 8,260 * 8,040 *	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7	* Offset Rated Load (lbs.) 18,000 * 17,920 * 16,710 * 15,630 * 14,680 * 13,050 * 13,050 * 12,360 * 11,570 10,580 9,760 9,030 8,370 7,730	30° Boom Angle (deg.) 78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6	Rated Load (lbs.) 8,840 * 8,480 * 8,170 * 7,890 * 7,620 * 7,360 * 7,140 * 6,740 * 6,740 *
Load Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110	10 Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.6 61.6 59.6 57.3 55.2 52.9 50.6	30 ^o Offset Rated Load (lbs.) 24,000 24,000 24,000 22,880 20,300 18,140 16,330 14,680 13,350 12,210 11,170 10,220 9,430 8,700 8,060	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9	Rated Load (lbs.) 19,620 18,780 18,070 17,430 16,860 15,140 13,770 12,580 11,530 10,510 9,700	Boom Angle (deg.) 78.8 * 77.1 * 75.2 * 73.5 * 71.7 69.9 68.0 66.2 64.3 62.4 60.3 58.3 58.3 54.2	 Offset Rated Load (lbs.) 24,000 * 24,000 * 24,000 * 23,170 20,540 18,380 16,550 14,880 13,550 12,380 11,350 10,380 9,560 8,860 8,200 	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6	Rated Load (lbs.) 15,100 * 14,500 * 13,930 * 13,420 * 12,520 * 12,940 * 12,520 * 12,140 * 11,770 * 10,950 10,090 9,340 8,640	Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1 57.2 55.1 53.1	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 19,330 * 18,140 * 16,710 13,690 12,520 11,480 10,510 9,700 8,950 8,310 7,670 7,120	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3 63.4 61.4 59.2 57.1	Rated Load (lbs.) 11,480 * 10,620 * 9,850 * 9,540 * 9,230 * 8,950 * 8,700 * 8,480 * 8,260 * 8,040 *	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9	* Offset Rated Load (lbs.) 18,000 * 17,920 * 16,710 * 15,630 * 14,680 * 13,050 * 13,050 * 12,360 * 11,570 10,580 9,760 9,030 8,370 7,730 7,180	30° Boom Angle (deg.) 78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7	Rated Load (lbs.) 8,840 * 8,480 * 8,170 * 7,890 * 7,620 * 7,360 * 7,140 * 6,740 * 6,740 * 6,740 * 6,560 * 6,390 *
Load Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105	10 Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.6 61.6 59.6 57.3 55.2 52.9	30 ^o Offset Rated Load (lbs.) 24,000 24,000 24,000 22,880 20,300 18,140 16,330 14,680 13,350 12,210 11,170 10,220 9,430 8,700	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9 55.6	Rated Load (lbs.) 19,620 18,780 18,070 17,430 16,860 15,140 13,770 12,580 11,530 10,510 9,700 8,950	Boom Angle (deg.) 78.8 * 77.1 * 75.2 * 73.5 * 71.7 69.9 68.0 66.2 64.3 62.4 60.3 58.3 58.3 56.3	 Offset Rated Load (lbs.) 24,000 * 24,000 * 24,000 * 23,170 20,540 18,380 16,550 14,880 13,550 12,380 13,550 12,380 13,350 10,380 9,560 8,860 8,200 7,560 	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8 69.9 68.0 66.1 63.9 61.9 59.8	Rated Load (lbs.) 15,100 * 14,500 * 13,930 * 13,420 * 12,520 * 12,940 * 12,520 * 12,140 * 11,770 * 10,950 10,090 9,340	Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1 57.2 55.1	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 19,330 * 18,140 * 16,710 13,690 12,520 11,480 10,510 9,700 8,950 8,310 7,670	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3 63.4 61.4 59.2	Rated Load (lbs.) 11,480 * 10,620 * 9,850 * 9,540 * 9,230 * 8,950 * 8,700 * 8,480 * 8,260 * 8,040 *	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7	* Offset Rated Load (lbs.) 18,000 * 17,920 * 16,710 * 15,630 * 14,680 * 13,050 * 13,050 * 12,360 * 11,570 10,580 9,760 9,030 8,370 7,730	30° Boom Angle (deg.) 78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7 58.7	Rated Load (lbs.) 8,840 * 8,480 * 8,170 * 7,890 * 7,620 * 7,360 * 7,140 * 6,740 * 6,740 *
Load Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125	10 Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.6 61.6 59.6 57.3 55.2 52.9 50.6 48.1 45.6 43.0	30 Offset Rated Load (lbs.) 24,000 24,000 24,000 24,000 22,880 20,300 18,140 16,330 14,680 13,350 12,210 11,170 10,220 9,430 8,700 8,060 7,450 6,920 6,430	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9 55.6	Rated Load (lbs.) 19,620 18,780 18,070 17,430 16,860 15,140 13,770 12,580 11,530 10,510 9,700 8,950	Boom Angle (deg.) 78.8 * 77.1 * 75.2 * 73.5 * 71.7 69.9 68.0 66.2 64.3 62.4 60.3 58.3 54.2 58.3 54.2 51.9 49.7 47.4	 Offset Rated Load (lbs.) 24,000 * 24,000 * 24,000 * 23,170 20,540 18,380 16,550 14,880 13,550 12,380 13,550 12,380 13,350 10,380 9,560 8,860 8,200 7,560 7,030 6,540 	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	Rated Load (lbs.) 15,100 * 14,500 * 13,930 * 13,420 * 12,520 * 12,520 * 12,140 * 11,770 * 10,950 10,090 9,340 8,640 7,980	Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 105 110 125 130 135	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1 57.2 55.1 53.1 51.0 48.8 46.6	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 19,330 * 18,140 * 16,710 13,690 12,520 11,480 10,510 9,700 8,950 8,310 7,670 7,120 6,630 6,170 5,750	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3 63.4 61.4 59.2 57.1 54.9	Rated Load (lbs.) 11,480 * 10,620 * 9,850 * 9,540 * 9,230 * 8,950 * 8,700 * 8,480 * 8,260 * 8,260 * 8,040 *	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9 54.0 52.0 50.0	* Offset Rated Load (lbs.) * 17,920 * 16,710 * 15,630 * 14,680 * 13,050 * 13,050 * 12,360 * 11,570 10,580 9,760 9,030 8,370 7,730 7,180 6,670 6,230 5,820	30° Boom Angle (deg.) 78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	Rated Load (lbs.) 8,840 * 8,480 * 8,170 * 7,890 * 7,620 * 7,140 * 6,740 * 6,740 * 6,390 * 6,390 * 6,390 * 6,390 *
Load Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130	10" Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.6 61.6 59.6 57.3 55.2 52.9 50.6 48.1 45.6 43.0 40.2	30 ^o Offset Rated Load (lbs.) 24,000 24,000 24,000 24,000 22,880 20,300 18,140 16,330 14,680 13,350 12,210 11,170 10,220 9,430 8,700 8,060 7,450 6,920 6,430 5,990	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9 55.6	Rated Load (lbs.) 19,620 18,780 18,070 17,430 16,860 15,140 13,770 12,580 11,530 10,510 9,700 8,950	Boom Angle (deg.) 78.8 * 77.1 * 75.2 * 73.5 * 71.7 69.9 68.0 66.2 64.3 62.4 60.3 58.3 54.2 58.3 54.2 51.9 49.7 47.4	 Offset Rated Load (lbs.) 24,000 * 24,000 * 24,000 * 23,170 20,540 18,380 16,550 14,880 13,550 14,880 13,550 12,380 13,550 12,380 13,550 12,380 13,550 13,550 14,880 35,550 14,880 36,550 14,880 13,550 14,880 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 1	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	Rated Load (lbs.) 15,100 * 14,500 * 13,930 * 13,420 * 12,520 * 12,520 * 12,140 * 11,770 * 10,950 10,090 9,340 8,640 7,980	Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 105 110 125 130 135 140	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1 57.2 55.1 53.1 51.0 48.8 46.6 44.1	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 19,330 * 18,140 * 16,710 13,690 12,520 11,480 10,510 9,700 8,950 8,310 7,670 7,120 6,630 6,170 5,350	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3 63.4 61.4 59.2 57.1 54.9	Rated Load (lbs.) 11,480 * 10,620 * 9,850 * 9,540 * 9,230 * 8,950 * 8,700 * 8,480 * 8,260 * 8,260 * 8,040 *	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9 54.0 52.0 50.0 47.8	* Offset Rated Load (lbs.) * 17,920 * 16,710 * 15,630 * 14,680 * 13,050 * 13,050 * 12,360 * 11,570 10,580 9,760 9,030 8,370 7,730 7,180 6,670 6,230 5,820 5,400	30° Boom Angle (deg.) 78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	Rated Load (lbs.) 8,840 * 8,480 * 8,170 * 7,890 * 7,620 * 7,360 * 7,140 * 6,740 * 6,740 * 6,390 * 6,390 * 6,390 *
Load Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135	10" Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.6 61.6 59.6 55.2 55.2 55.2 50.6 48.1 45.6 43.0 40.2 37.3	30 Offset Rated Load (lbs.) 24,000 * 24,000 * 24,	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9 55.6	Rated Load (lbs.) 19,620 18,780 18,070 17,430 16,860 15,140 13,770 12,580 11,530 10,510 9,700 8,950	Boom Angle (deg.) 78.8 * 77.1 * 75.2 * 73.5 * 71.7 69.9 68.0 66.2 64.3 62.4 60.3 58.3 54.2 58.3 54.2 51.9 49.7 47.4 45.0 42.5	 Offset Rated Load (lbs.) 24,000 * 24,000 * 24,000 * 23,170 20,540 18,380 16,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 15,500 16,550 17,360 7,030 6,540 6,080 5,680 	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	Rated Load (lbs.) 15,100 * 14,500 * 13,930 * 13,420 * 12,520 * 12,520 * 12,140 * 11,770 * 10,950 10,090 9,340 8,640 7,980	Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 105 110 125 130 135 140 145	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1 57.2 55.1 57.2 55.1 53.1 51.0 48.8 46.6 44.1 41.7	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 19,330 * 18,140 * 16,710 13,690 12,520 11,480 10,510 9,700 8,950 8,310 7,670 7,120 6,630 6,170 5,350 5,350 5,000	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3 63.4 61.4 59.2 57.1 54.9	Rated Load (lbs.) 11,480 * 10,620 * 9,850 * 9,540 * 9,230 * 8,950 * 8,700 * 8,480 * 8,260 * 8,260 * 8,040 *	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9 54.0 52.0 52.0 52.0 50.0 47.8 45.6	 Offset Rated Load (lbs.) 18,000 * 17,920 * 16,710 * 15,630 * 14,680 * 13,050 * 13,050 * 12,360 * 11,570 10,580 9,760 9,760 9,030 8,370 7,730 7,180 6,670 6,230 5,820 5,400 5,040 	30° Boom Angle (deg.) 78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	Rated Load (lbs.) 8,840 * 8,480 * 8,170 * 7,890 * 7,620 * 7,140 * 6,740 * 6,740 * 6,390 * 6,390 * 6,390 * 6,390 *
Load Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130	10" Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.6 61.6 59.6 57.3 55.2 52.9 50.6 48.1 45.6 43.0 40.2	30 ^o Offset Rated Load (lbs.) 24,000 24,000 24,000 24,000 22,880 20,300 18,140 16,330 14,680 13,350 12,210 11,170 10,220 9,430 8,700 8,060 7,450 6,920 6,430 5,990	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9 55.6	Rated Load (lbs.) 19,620 18,780 18,070 17,430 16,860 15,140 13,770 12,580 11,530 10,510 9,700 8,950	Boom Angle (deg.) 78.8 * 77.1 * 75.2 * 73.5 * 71.7 69.9 68.0 66.2 64.3 62.4 60.3 58.3 54.2 58.3 54.2 51.9 49.7 47.4 45.0 42.5 39.6	 Offset Rated Load (lbs.) 24,000 * 24,000 * 24,000 * 23,170 20,540 18,380 16,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 15,500 16,550 16,550 17,360 10,380 9,560 8,860 8,200 7,560 7,030 6,540 6,080 5,260 	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	Rated Load (lbs.) 15,100 * 14,500 * 13,930 * 13,420 * 12,520 * 12,520 * 12,140 * 11,770 * 10,950 10,090 9,340 8,640 7,980	Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 105 110 125 130 135 140	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1 57.2 55.1 53.1 57.2 55.1 53.1 51.0 48.8 46.6 44.1 41.7 39.1	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 19,330 * 18,140 * 16,710 13,690 12,520 11,480 10,510 9,700 8,950 8,310 7,670 7,120 6,630 6,170 5,350 5,350 5,000 4,670	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3 63.4 61.4 59.2 57.1 54.9	Rated Load (lbs.) 11,480 * 10,620 * 9,850 * 9,540 * 9,230 * 8,950 * 8,700 * 8,480 * 8,260 * 8,260 * 8,040 *	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9 54.0 52.0 50.0 47.8 45.6 43.3	 Offset Rated Load (lbs.) 18,000 * 17,920 * 16,710 * 15,630 * 14,680 * 13,050 * 13,050 * 12,360 * 11,570 10,580 9,760 9,760 9,030 8,370 7,730 7,180 6,670 6,230 5,400 5,400 5,400 4,710 	30° Boom Angle (deg.) 78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	Rated Load (lbs.) 8,840 * 8,480 * 8,170 * 7,890 * 7,620 * 7,140 * 6,740 * 6,740 * 6,390 * 6,390 * 6,390 * 6,390 *
Load Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140	10" Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.6 61.6 59.6 55.2 55.2 55.2 50.6 48.1 45.6 43.0 40.2 37.3	30 Offset Rated Load (lbs.) 24,000 * 24,000 * 24,	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9 55.6	Rated Load (lbs.) 19,620 18,780 18,070 17,430 16,860 15,140 13,770 12,580 11,530 10,510 9,700 8,950	Boom Angle (deg.) 78.8 * 77.1 * 75.2 * 73.5 * 71.7 69.9 68.0 66.2 64.3 62.4 60.3 58.3 54.2 58.3 54.2 51.9 49.7 47.4 45.0 42.5	 Offset Rated Load (lbs.) 24,000 * 24,000 * 24,000 * 23,170 20,540 18,380 16,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 15,500 16,550 16,550 17,360 10,380 9,560 8,860 8,200 7,560 7,030 6,540 6,080 5,260 	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	Rated Load (lbs.) 15,100 * 14,500 * 13,930 * 13,420 * 12,520 * 12,520 * 12,140 * 11,770 * 10,950 10,090 9,340 8,640 7,980	Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 105 110 125 130 135 140 145 150	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1 57.2 55.1 57.2 55.1 53.1 51.0 48.8 46.6 44.1 41.7	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 19,330 * 18,140 * 16,710 13,690 12,520 11,480 10,510 9,700 8,950 8,310 7,670 7,120 6,630 6,170 5,350 5,350 5,000	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3 63.4 61.4 59.2 57.1 54.9	Rated Load (lbs.) 11,480 * 10,620 * 9,850 * 9,540 * 9,230 * 8,950 * 8,700 * 8,480 * 8,260 * 8,260 * 8,040 *	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9 54.0 52.0 52.0 52.0 50.0 47.8 45.6	 Offset Rated Load (lbs.) 18,000 * 17,920 * 16,710 * 15,630 * 14,680 * 13,050 * 13,050 * 12,360 * 11,570 10,580 9,760 9,760 9,030 8,370 7,730 7,180 6,670 6,230 5,820 5,400 5,040 	30° Boom Angle (deg.) 78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	Rated Load (lbs.) 8,840 * 8,480 * 8,170 * 7,890 * 7,620 * 7,140 * 6,740 * 6,740 * 6,390 * 6,390 * 6,390 * 6,390 *
Load Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145	10" Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.6 61.6 59.6 55.2 55.2 55.2 50.6 48.1 45.6 43.0 40.2 37.3	30 Offset Rated Load (lbs.) 24,000 * 24,000 * 24,	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9 55.6	Rated Load (lbs.) 19,620 18,780 18,070 17,430 16,860 15,140 13,770 12,580 11,530 10,510 9,700 8,950	Boom Angle (deg.) 78.8 * 77.1 * 75.2 * 73.5 * 71.7 69.9 68.0 66.2 64.3 62.4 60.3 58.3 54.2 58.3 54.2 51.9 49.7 47.4 45.0 42.5 39.6 36.8	 Offset Rated Load (lbs.) 24,000 * 24,000 * 23,170 20,540 18,380 16,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 15,500 14,880 15,500 14,880 15,500 14,880 15,500 14,880 15,500 14,880 15,500 15,500 16,550 1	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	Rated Load (lbs.) 15,100 * 14,500 * 13,930 * 13,420 * 12,520 * 12,520 * 12,140 * 11,770 * 10,950 10,090 9,340 8,640 7,980	Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1 57.2 55.1 57.2 55.1 53.1 51.0 48.8 46.6 44.1 41.7 39.1 36.3	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 19,330 * 19,330 * 18,140 * 16,710 13,690 12,520 11,480 10,510 9,700 8,950 8,310 7,670 7,120 6,630 6,170 5,350 5,000 4,670 4,670 4,360	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3 63.4 61.4 59.2 57.1 54.9	Rated Load (lbs.) 11,480 * 10,620 * 9,850 * 9,540 * 9,230 * 8,950 * 8,700 * 8,480 * 8,260 * 8,260 * 8,040 *	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9 54.0 52.0 52.0 52.0 52.0 52.0 52.0 53.0 47.8 45.6 43.3 41.0 38.3 35.6	 Offset Rated Load (lbs.) 18,000 * 17,920 * 16,710 * 15,630 * 14,680 * 13,050 * 13,050 * 12,360 * 11,570 10,580 9,760 9,760 9,030 8,370 7,730 7,180 6,670 6,230 5,400 5,400 5,400 5,400 4,710 4,400 4,070 3,760 	30° Boom Angle (deg.) 78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	Rated Load (lbs.) 8,840 * 8,480 * 8,170 * 7,890 * 7,620 * 7,360 * 7,140 * 6,940 * 6,740 * 6,390 * 6,390 * 6,390 * 6,390 *
Load Radius (ft.) 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145	10" Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.6 61.6 59.6 55.2 55.2 55.2 50.6 48.1 45.6 43.0 40.2 37.3	30 Offset Rated Load (lbs.) 24,000 * 24,000 * 24,	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9 55.6	Rated Load (lbs.) 19,620 18,780 18,070 17,430 16,860 15,140 13,770 12,580 11,530 10,510 9,700 8,950	Boom Angle (deg.) 78.8 * 77.1 * 75.2 * 73.5 * 71.7 69.9 68.0 66.2 64.3 62.4 60.3 58.3 54.2 58.3 54.2 51.9 49.7 47.4 45.0 42.5 39.6 36.8	 Offset Rated Load (lbs.) 24,000 * 24,000 * 23,170 20,540 18,380 16,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 14,880 13,550 15,500 14,880 15,500 14,880 15,500 14,880 15,500 14,880 15,500 14,880 15,500 15,500 16,550 1	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	Rated Load (lbs.) 15,100 * 14,500 * 13,930 * 13,420 * 12,520 * 12,520 * 12,140 * 11,770 * 10,950 10,090 9,340 8,640 7,980	Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 100 105 100 115 120 125 130 135 140 145 150 155 160	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1 57.2 55.1 57.2 55.1 53.1 51.0 48.8 46.6 44.1 41.7 39.1 36.3	50 ° Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 19,330 * 19,330 * 18,140 * 16,710 13,690 12,520 11,480 10,510 9,700 8,950 8,310 7,670 7,120 6,630 6,170 5,350 5,000 4,670 4,670 4,360	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3 63.4 61.4 59.2 57.1 54.9	Rated Load (lbs.) 11,480 * 10,620 * 9,850 * 9,540 * 9,230 * 8,950 * 8,700 * 8,480 * 8,260 * 8,260 * 8,040 *	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9 54.0 52.0 50.0 47.8 45.6 43.3 41.0 38.3	 Offset Rated Load (lbs.) 18,000 * 17,920 * 16,710 * 15,630 * 14,680 * 13,050 * 13,050 * 12,360 * 11,570 10,580 9,760 9,030 8,370 7,730 7,180 6,670 6,230 5,820 5,400 5,400 5,400 4,070 	30° Boom Angle (deg.) 78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	Rated Load (lbs.) 8,840 * 8,480 * 8,170 * 7,890 * 7,620 * 7,140 * 6,740 * 6,740 * 6,390 * 6,390 * 6,390 * 6,390 *

CK850-III Jib Rated Loads in Pounds

2	Counte	erweights	+ 2 Low	Weights	- Crawle	ers fully e	xtended										
14()' Bo								140)' Bo							
	4.00		0' Jib	Offerst	40)' Jib	Offeret		10		Jib	Offerst	40	60'		Offeret
Load	Boom	° Offset Rated	Boom	° Offset Rated	Boom	° Offset Rated	Boom	° Offset Rated	Load	Boom	° Offset Rated	Boom	° Offset Rated	Boom	° Offset Rated	Boom	Offset Rated
Radius	Angle		Angle		Angle		Angle		Radius	Angle		Angle		Angle		Angle	Load
(ft.)	(deg.)		(deg.)		(deg.)		(deg.)		(ft.)	(deg.)		(deg.)		(deg.)		(deg.)	
40		24,000	*						50		20,000 *						
45		24,000				24,000			55	1	20,000 *				18,000 *		
50		24,000		19,900 *		24,000		45.000 +	60 05		19,970 *	70.0	44 470 4		17,210 *		
55 60		22,680 20,080	77.4 75.6	19,090 * 18,400 *		22,970 20,340	79.9 78.2	15,320 * 14,720 *	65 70	1	18,360 16,510	1	11,170 * 10,780 *	75.6 74.1	16,130 * 15,160 *	70.2	8,950 *
65		17,940		17,760		18,180	76.5	14,170 *	75		14,830		10,380 *		14,260 *		8,590 *
70		16,110		16,680		16,330	74.8	13,690 *	80	1	13,490		10,030 *		13,490 *		8,310 *
75	67.2		70.0	14,960	69.3	14,680	72.9	13,180 *	85	67.8	12,300	72.1	9,720 *	69.4	12,410	74.5	8,020 *
80		13,130		13,600		13,330		12,760 *	90	1	11,260	70.4	9,430 *		11,350		7,760 *
85	63.5			12,380	65.9	12,160	69.4	12,380 *	95	64.4		68.6	9,120 *	66.2	10,380		7,510 *
90 95	61.6 59.5	10,950 9,980	64.3 62.2	11,330 10,310	64.1	11,130 10,160	67.6 65.6	11,810 10,780	100 105	62.7 60.9	9,470 8,730	66.8	8,880 * 8,660 *	64.6	9,540		7,270 * 7,070 *
100	59.5 57.5	9,980	60.1	9,500	62.2 60.3	9,340	63.7	9,920	110	59.2	8,730 8,060	65.0 63.2	8,440 *	61.4	8,810 8,150		
105	55.5	8,460	58.1	8,750	58.5	8,610	61.8	9,140	115	57.2	7,420	61.2	8,000	59.6	7,490		6,700 *
110	53.4	7,820	55.9	8,060	56.6	7,950	59.8	8,460	120	55.4	6,900	59.3	7,420	57.9	6,960		6,520 *
115	51.1	7,180	53.5	7,400	54.5	7,340	57.6	7,780	125	53.5	6,390	57.3	6,900	56.1	6,450	60.7	6,370 *
120	48.9	6,650	51.3	6,850	52.5	6,790	55.5	7,200	130	51.6	5,930	55.3	6,390	54.3	5,990	58.8	6,230 *
125 130	46.6 44.2	6,170 5,730			50.4 48.2	6,300 5,840	53.4	6,670	135 140	49.5 47.3	5,510 5,090	53.1	5,950	52.5 50.5	5,570 5,150	56.9 54.7	6,100 *
130	44.2 4 1.7	5,330			46.0	5,640			140	47.3	5,090 4,730			48.5	4.800		5,640 5,240
140	38.8	4,910			43.5	5,020			150	42.9	4,400			46.5	4,470	02.7	0,240
145	36.0	4,560			41.1	4,670			155	40.5	4,030			44.4	4,100		
150	32.9	4,210			38.5	4,320			160	37.8	3,680			42.0	3,720		
155					35.7	3,940			165	35.1	3,370			39.7	3,410		
160					32.5	3,610			170	32.2	3,080			37.3	3,130		
									175					34.6	2,840		
15)' Bo	om							150)' Bo	om						
150)' Bo	30	0' Jib)' Jib		150)' Bo	50'	Jib			60'		
150				° Offset	10	4(° Offset		° Offset	15(° Offset	10	60' ° Offset		Offset
Load	10° Boom	30 ° Offset Rated			10 Boom	° Offset			150 Load		50'			10 Boom	° Offset		
Load Radius	10° Boom Angle	30 ° Offset Rated Load	30 Boom Angle	Rated Load	Boom Angle	° Offset Rated Load	30 Boom Angle	Rated Load	Load Radius	10° Boom Angle	50' ° Offset Rated Load	30 Boom Angle	Rated Load	Boom Angle	° Offset Rated Load	30° Boom Angle	Rated Load
Load	10° Boom	30 ° Offset Rated Load	30' Boom	Rated Load	Boom	° Offset Rated Load	30 Boom	Rated Load	Load	10° Boom	50' ° Offset Rated Load	30 Boom	Rated Load	Boom	° Offset Rated Load	30° Boom	Rated Load
Load Radius (ft.) 45	10° Boom Angle (deg.) 78.6	° Offset Rated Load (Ibs.) 24,000	30 Boom Angle (deg.)	Rated Load (lbs.)	Boom Angle (deg.) 80.0	° Offset Rated Load (lbs.) 24,000	30 Boom Angle (deg.)	Rated Load	Load Radius (ft.) 50	10 Boom Angle (deg.) 79.6	50' Offset Rated Load (lbs.) 20,000 *	30 Boom Angle	Rated Load	Boom Angle (deg.)	° Offset Rated Load (lbs.)	30° Boom Angle	Rated Load
Load Radius (ft.) 45 50	10 ^o Boom Angle (deg.) 78.6 77.0	30 ° Offset Rated Load (Ibs.) 24,000 24,000	30 [°] Boom Angle (deg.) * * 79.9	Rated Load (lbs.)	Boom Angle (deg.) 80.0 * 78.5	 Offset Rated Load (lbs.) 24,000 24,000 	30 Boom Angle (deg.)	Rated Load	Load Radius (ft.) 50 55	10 [°] Boom Angle (deg.) 79.6 78.1	50" " Offset Rated Load (lbs.) 20,000 * 20,000 *	30 Boom Angle	Rated Load	Boom Angle (deg.) 79.1	° Offset Rated Load (lbs.) 18,000 *	30° Boom Angle	Rated Load
Load Radius (ft.) 45 50 55	10° Boom Angle (deg.) 78.6 77.0 75.3	30 ° Offset Rated Load (Ibs.) 24,000 22,530	30 Boom Angle (deg.) * * 79.9 78.1	Rated Load (Ibs.) 20,170	Boom Angle (deg.) 80.0 * 78.5 * 76.8	[°] Offset Rated Load (lbs.) 24,000 24,000 22,810	30 Boom Angle (deg.)	Rated Load (Ibs.)	Load Radius (ft.) 50 55 60	10 ³ Boom Angle (deg.) 79.6 78.1 76.6	50' Coffset Rated Load (lbs.) 20,000 * 20,000 * 20,000 *	30 Boom Angle (deg.)	Rated Load (Ibs.)	Boom Angle (deg.) 79.1 77.7	* Offset Rated Load (lbs.) 18,000 * 17,700 *	30° Boom Angle	Rated Load
Load Radius (ft.) 45 50 55 60	10 ⁰ Boom Angle (deg.) 78.6 77.0 75.3 73.6	30 ° Offset Rated Load (lbs.) 24,000 24,000 22,530 19,920	30 Boom Angle (deg.) * * 79.9 78.1 76.4	Rated Load (lbs.) 20,170 19,370	Boom Angle (deg.) 80.0 * 78.5 * 76.8 * 75.3	[°] Offset Rated Load (lbs.) 24,000 24,000 22,810 20,190	30 Boom Angle (deg.) * *	Rated Load (lbs.) 14,920 *	Load Radius (ft.) 50 55 60 65	10' Boom Angle (deg.) 79.6 78.1 76.6 75.1	50' Coffset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 18,200	30 Boom Angle (deg.) 79.4	Rated Load (lbs.)	Boom Angle (deg.) 79.1 77.7 76.3	 Offset Rated Load (lbs.) 18,000 * 17,700 * 16,600 * 	30° Boom Angle (deg.)	Rated Load (lbs.)
Load Radius (ft.) 45 50 55	10° Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0	30 ° Offset Rated Load (Ibs.) 24,000 22,530	30 Boom Angle (deg.) * * 79.9 78.1 76.4	Rated Load (lbs.) 20,170	Boom Angle (deg.) 80.0 * 78.5 * 76.8 * 75.3	[°] Offset Rated Load (lbs.) 24,000 24,000 22,810	30 Boom Angle (deg.) * * * 78.9 77.3	Rated Load (Ibs.)	Load Radius (ft.) 50 55 60	10' Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7	50' Coffset Rated Load (lbs.) 20,000 * 20,000 * 20,000 *	30 Boom Angle (deg.) 79.4 77.9	Rated Load (lbs.) 11,330 * 10,930 *	Boom Angle (deg.) 79.1 77.7 76.3 74.9	* Offset Rated Load (lbs.) 18,000 * 17,700 *	30° Boom Angle (deg.) 79.9	Rated Load
Load Radius (ft.) 45 50 55 60 65 70 75	10° Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5	3(° Offset Rated Load (lbs.) 24,000 24,000 22,530 19,920 17,790 15,960 14,300	30 Boom Angle (deg.) * * 79.9 78.1 76.4 74.8 73.1 71.2	Rated Load (lbs.) 20,170 19,370 18,690 18,070 16,550 14,830	Boom Angle (deg.) * 78.5 * 76.8 * 75.3 * 73.7 72.1 70.5	 Offset Rated Load (lbs.) 24,000 24,000 22,810 20,190 18,030 16,180 14,520 	30 Boom Angle (deg.) * * 78.9 77.3 75.7 73.9	Rated Load (lbs.) 14,920 * 14,390 * 13,910 * 13,420 *	Load Radius (ft.) 55 60 65 70 75 80	10 [°] Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5	50' ² Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 18,200 16,350 14,680 13,330	30 Boom Angle (deg.) 79.4 77.9 76.3	Rated Load (lbs.) 11,330 * 10,930 * 10,530 *	Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 73.4 73.4	 Offset Rated Load (lbs.) 18,000 * 17,700 * 16,600 * 15,650 * 14,720 * 13,420 	30° Boom Angle (deg.) 79.9 78.3 76.8	Rated Load (lbs.) 9,060 * 8,700 * 8,420 *
Load Radius (ft.) 45 50 55 60 65 70 75 80	10° Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8	3(° Offset Rated Load (lbs.) 24,000 24,000 22,530 19,920 17,790 15,960 14,300 12,980	30 Boom Angle (deg.) 79.9 78.1 76.4 74.8 73.1 71.2 69.5	Rated Load (lbs.) 20,170 19,370 18,690 18,070 16,550 14,830 13,470	Boom Angle (deg.) * 78.5 * 76.8 * 75.3 * 73.7 72.1 70.5 68.8	 Offset Rated Load (lbs.) 24,000 24,000 22,810 20,190 18,030 16,180 14,520 13,180 	30 Boom Angle (deg.) * * 78.9 77.3 75.7 73.9 72.3	Rated Load (lbs.) 14,920 * 14,390 * 13,910 * 13,420 * 13,000 *	Load Radius (ft.) 55 60 65 70 75 80 85	10 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0	50' ² Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 18,200 16,350 14,680 13,330 12,140	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1	Rated Load (lbs.) 11,330 * 10,930 * 10,530 * 9,870 *	Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 73.4 73.4 71.9 70.5	* Offset Rated Load (lbs.) 18,000 * 17,700 * 16,600 * 15,650 * 14,720 * 13,420 12,230	30° Boom Angle (deg.) 79.9 78.3 76.8 75.3	Rated Load (lbs.) 9,060 * 8,700 * 8,420 * 8,130 *
Load Radius (ft.) 45 50 55 60 65 70 75 80 85	10° Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1	3(0 ° Offset Rated Load (lbs.) 24,000 24,000 22,530 19,920 17,790 15,960 14,300 12,980 11,810	30 Boom Angle (deg.) * * 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7	Rated Load (lbs.) 20,170 19,370 18,690 18,070 16,550 14,830 13,470 12,250	Boom Angle (deg.) * 78.5 * 76.8 * 75.3 * 75.3 * 73.7 72.1 70.5 68.8 67.2	 Offset Rated Load (lbs.) 24,000 24,000 22,810 20,190 18,030 16,180 14,520 13,180 12,010 	30 Boom Angle (deg.) * * * 78.9 77.3 75.7 73.9 72.3 70.6	Rated Load (lbs.) 14,920 * 14,390 * 13,910 * 13,420 * 13,000 * 12,630 *	Load Radius (ft.) 55 60 65 70 75 80 85 90	10 [°] Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5	50' ² Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 18,200 16,350 14,680 13,330 12,140 11,110	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5	Rated Load (lbs.) 11,330 * 10,930 * 10,530 * 9,870 * 9,870 *	Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 73.4 73.4 70.5 69.0	* Offset Rated Load (lbs.) 18,000 * 17,700 * 16,600 * 15,650 * 14,720 * 13,420 12,230 11,190	30° Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8	Rated Load (lbs.) 9,060 * 8,700 * 8,420 * 8,130 * 7,890 *
Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90	10 ^d Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3	3(6 ° Offset Rated Load (lbs.) 24,000 24,000 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800	30 Boom Angle (deg.) * * 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9	Rated Load (lbs.) 20,170 19,370 18,690 18,070 16,550 14,830 13,470 12,250 11,190	Boom Angle (deg.) * 78.5 * 76.8 * 75.3 * 75.3 * 73.7 72.1 70.5 68.8 67.2 65.6	 Offset Rated Load (lbs.) 24,000 22,810 20,190 18,030 16,180 14,520 13,180 12,010 10,970 	30 Boom Angle (deg.) * * * 78.9 77.3 75.7 73.9 72.3 70.6 68.9	Rated Load (lbs.) 14,920 * 14,390 * 13,910 * 13,420 * 13,000 * 12,630 * 11,680	Load Radius (ft.) 55 60 65 70 75 80 85 90 95	10' Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8	50' ² Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 18,200 16,350 14,680 13,330 12,140 11,110 10,110	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8	Rated Load (lbs.) 11,330 * 10,530 * 10,530 * 9,870 * 9,870 * 9,590 * 9,300 *	Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 73.4 71.9 70.5 69.0 67.4	* Offset Rated Load (lbs.) 18,000 * 17,700 * 16,600 * 15,650 * 14,720 * 13,420 12,230 11,190 10,200	30° Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 72.2	Rated Load (lbs.) 9,060 * 8,700 * 8,420 * 8,130 * 7,890 * 7,620 *
Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95	10 ^d Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 61.4	3(6 ° Offset Rated Load (lbs.) 24,000 24,000 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830	30 Boom Angle (deg.) * * 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9	Rated Load (lbs.) 20,170 19,370 18,690 18,070 16,550 14,830 13,470 12,250 11,190 10,180	Boom Angle (deg.) * 78.5 * 76.8 * 75.3 * 75.3 * 73.7 72.1 70.5 68.8 67.2 65.6 63.8	 Offset Rated Load (lbs.) 24,000 24,000 22,810 20,190 18,030 16,180 14,520 13,180 12,010 10,970 10,000 	30 Boom Angle (deg.) * * * 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1	Rated Load (lbs.) 14,920 * 14,390 * 13,910 * 13,420 * 13,000 * 12,630 * 11,680 10,670	Load Radius (ft.) 55 60 65 70 75 80 85 90 95 100	10' Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2	50' ² Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 18,200 16,350 14,680 13,330 12,140 11,110 9,300	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2	Rated Load (lbs.) 11,330 * 10,930 * 10,530 * 9,870 * 9,870 * 9,300 * 9,300 *	Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9	 Offset Rated Load (lbs.) 18,000 * 17,700 * 16,600 * 15,650 * 14,720 * 13,420 12,230 11,190 10,200 9,390 	30° Boom Angle (deg.) 79.9 78.3 76.8 75.3 75.3 73.8 72.2 70.6	Rated Load (lbs.) 9,060 * 8,700 * 8,420 * 8,130 * 7,890 * 7,620 * 7,400 *
Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90	10 ^d Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3	3(6 ° Offset Rated Load (lbs.) 24,000 24,000 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800	30 Boom Angle (deg.) * * 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9	Rated Load (lbs.) 20,170 19,370 18,690 18,070 16,550 14,830 13,470 12,250 11,190	Boom Angle (deg.) * 78.5 * 76.8 * 75.3 * 75.3 * 73.7 72.1 70.5 68.8 67.2 65.6	 Offset Rated Load (lbs.) 24,000 22,810 20,190 18,030 16,180 14,520 13,180 12,010 10,970 	30 Boom Angle (deg.) * * * 78.9 77.3 75.7 73.9 72.3 70.6 68.9	Rated Load (lbs.) 14,920 * 14,390 * 13,910 * 13,420 * 13,000 * 12,630 * 11,680	Load Radius (ft.) 55 60 65 70 75 80 85 90 95	10' Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8	50' ² Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 18,200 16,350 14,680 13,330 12,140 11,110 10,110	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8	Rated Load (lbs.) 11,330 * 10,530 * 10,530 * 9,870 * 9,870 * 9,590 * 9,300 *	Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 73.4 71.9 70.5 69.0 67.4	* Offset Rated Load (lbs.) 18,000 * 17,700 * 16,600 * 15,650 * 14,720 * 13,420 12,230 11,190 10,200	30° Boom Angle (deg.) 79.9 78.3 76.8 75.3 75.3 73.8 72.2 70.6 69.1	Rated Load (lbs.) 9,060 * 8,700 * 8,420 * 8,130 * 7,890 * 7,620 *
Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110	10 [°] Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 65.1 63.3 61.4 59.6 57.7 55.8	3(6 ° Offset Rated Load (lbs.) 24,000 24,000 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830 9,010 8,310 7,640	30 Boom Angle (deg.) * * 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 62.1	Rated Load (lbs.) 20,170 19,370 18,690 18,070 16,550 14,830 13,470 12,250 11,190 10,180 9,340 8,590 7,910	Boom Angle (deg.) * 78.5 * 76.8 * 75.3 * 75.3 * 73.7 72.1 70.5 68.8 67.2 65.6 63.8 62.1	 Offset Rated Load (lbs.) 24,000 24,000 22,810 20,190 18,030 16,180 14,520 13,180 12,010 10,970 10,000 9,190 8,460 7,800 	30 Boom Angle (deg.) * * * 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3	Rated Load (lbs.) 14,920 * 14,390 * 13,910 * 13,420 * 13,000 * 13,630 * 11,680 10,670 9,810 9,030 8,330	Load Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 115	10" Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1	50' Coffset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 18,200 16,350 14,680 13,330 12,140 11,110 9,300 8,570 7,910 7,270	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9	Rated Load (lbs.) 11,330 * 10,530 * 10,530 * 9,870 * 9,870 * 9,300 * 9,300 * 8,810 * 8,810 *	Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 64.4	 Offset Rated Load (lbs.) 18,000 * 17,700 * 16,600 * 15,650 * 14,720 * 13,420 12,230 11,190 10,200 9,390 8,640 7,980 7,340 	30° Boom Angle (deg.) 79.9 78.3 76.8 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3	Rated Load (lbs.) 9,060 * 8,700 * 8,420 * 8,130 * 7,890 * 7,620 * 7,620 * 7,200 * 7,200 * 6,830 *
Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115	10 [°] Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 65.1 63.3 61.4 59.6 57.7 55.8 53.7	3(6 ° Offset Rated Load (lbs.) 24,000 24,000 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830 9,010 8,310 7,640 7,640 7,030	30 Boom Angle (deg.) * * 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 62.1 60.2 58.2 58.2 56.1	Rated Load (lbs.) 20,170 19,370 18,690 18,070 16,550 14,830 13,470 12,250 11,190 10,180 9,340 8,590 7,910 7,270	Boom Angle (deg.) * 78.5 * 76.8 * 75.3 * 75.3 * 73.7 72.1 70.5 68.8 67.2 65.6 63.8 62.1 60.4 58.6 56.7	 Offset Rated Load (lbs.) 24,000 24,000 22,810 20,190 18,030 16,180 14,520 13,180 12,010 10,970 10,000 9,190 8,460 7,800 7,160 	30 Boom Angle (deg.) * * * 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7	Rated Load (lbs.) 14,920 * 14,390 * 13,910 * 13,420 * 13,000 * 13,630 * 11,680 10,670 9,810 9,030 8,330 7,670	Load Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 115 120	10" Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4	50' Coffset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 18,200 16,350 14,680 13,330 12,140 11,110 9,300 8,570 7,910 7,270 6,720	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2	Rated Load (lbs.) 11,330 * 10,530 * 10,530 * 9,870 * 9,870 * 9,300 * 9,060 * 8,810 * 8,570 7,890 7,290	Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 64.4 62.9 61.2 59.6	 Offset Rated Load (lbs.) 18,000 * 17,700 * 16,600 * 15,650 * 14,720 * 13,420 12,230 11,190 10,200 9,390 8,640 7,980 7,340 6,790 	30° Boom Angle (deg.) 79.9 78.3 76.8 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3	Rated Load (lbs.) 9,060 * 8,700 * 8,420 * 8,130 * 7,890 * 7,620 * 7,620 * 7,400 * 7,200 * 7,200 * 6,830 * 6,650 *
Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120	10 [°] Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 65.1 63.3 61.4 59.6 57.7 55.8 53.7 51.7	3(6 ° Offset Rated Load (lbs.) 24,000 24,000 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830 9,010 8,310 7,640 7,640 7,030 6,500	30 Boom Angle (deg.) * * 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 62.1 60.2 58.2 58.2 58.2 56.1 54.0	Rated Load (lbs.) 20,170 19,370 18,690 18,070 16,550 14,830 13,470 12,250 11,190 10,180 9,340 8,590 7,910 7,270 6,700	Boom Angle (deg.) * 78.5 * 76.8 * 75.3 * 75.3 * 73.7 72.1 70.5 68.8 67.2 65.6 63.8 62.1 60.4 58.6 56.7 54.8	 Offset Rated Load (lbs.) 24,000 24,000 22,810 20,190 18,030 16,180 14,520 13,180 12,010 10,970 10,000 9,190 8,460 7,800 7,160 6,610 	30 Boom Angle (deg.) * * * 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7 57.8	Rated Load (lbs.) 14,920 * 14,390 * 13,910 * 13,420 * 13,000 * 12,630 * 11,680 10,670 9,810 9,030 8,330 7,670 7,090	Load Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125	10" Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7	50' Coffset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 18,200 16,350 14,680 13,330 12,140 11,110 10,110 9,300 8,570 7,910 7,270 6,720 6,210	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2 59.3	Rated Load (lbs.) 11,330 * 10,530 * 10,530 * 9,870 * 9,870 * 9,300 * 9,060 * 8,810 * 8,570 7,890 7,290 6,760	Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 64.4 65.9 64.4 62.9 61.2 59.6 58.0	 Offset Rated Load (lbs.) 18,000 * 17,700 * 16,600 * 15,650 * 14,720 * 13,420 12,230 11,190 10,200 9,390 8,640 7,980 7,340 6,790 6,280 	30° Boom Angle (deg.) 79.9 78.3 76.8 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3	Rated Load (lbs.) 9,060 * 8,700 * 8,420 * 8,130 * 7,890 * 7,620 * 7,620 * 7,620 * 7,200 * 7,200 * 6,830 * 6,650 * 6,500 *
Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125	10 ^d Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 61.4 59.6 57.7 55.8 53.7 51.7 49.6	3(6 ° Offset Rated Load (lbs.) 24,000 24,000 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830 9,010 8,310 7,640 7,640 7,640 5,990	30 Boom Angle (deg.) * * 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 62.1 60.2 58.2 58.2 56.1	Rated Load (lbs.) 20,170 19,370 18,690 18,070 16,550 14,830 13,470 12,250 11,190 10,180 9,340 8,590 7,910 7,270	Boom Angle (deg.) * 78.5 * 76.8 * 75.3 * 75.3 * 73.7 72.1 70.5 68.8 67.2 65.6 63.8 62.1 60.4 58.6 54.8 52.9	 Offset Rated Load (lbs.) 24,000 24,000 22,810 20,190 18,030 16,180 14,520 13,180 12,010 10,970 10,000 9,190 8,460 7,800 7,160 6,610 6,120 	30 Boom Angle (deg.) * * * 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 57.8 55.8	Rated Load (lbs.) 14,920 * 14,390 * 13,910 * 13,420 * 13,000 * 13,630 * 11,680 10,670 9,810 9,030 8,330 7,670 7,090 6,560	Load Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130	10" Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9	50' Coffset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 18,200 16,350 14,680 13,330 12,140 11,110 10,110 9,300 8,570 7,910 7,270 6,720 6,210 5,750	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2 59.3 57.5	Rated Load (lbs.) 11,330 * 10,530 * 10,530 * 9,870 * 9,870 * 9,300 * 9,300 * 9,060 * 8,810 * 8,570 7,890 7,290 6,760 6,280	Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 64.4 65.9 64.4 62.9 61.2 59.6 58.0 56.3	 Offset Rated Load (lbs.) 18,000 * 17,700 * 16,600 * 15,650 * 14,720 * 13,420 12,230 11,190 10,200 9,390 8,640 7,980 7,340 6,790 6,280 5,820 	30° Boom Angle (deg.) 79.9 78.3 76.8 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3	Rated Load (lbs.) 9,060 * 8,700 * 8,420 * 8,130 * 7,890 * 7,620 * 7,620 * 7,620 * 7,200 * 7,200 * 7,200 * 6,830 * 6,650 * 6,500 * 6,370 *
Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130	10 ^d Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 61.4 59.6 57.7 55.8 53.7 51.7 49.6 47.5	3(6 ° Offset Rated Load (lbs.) 24,000 24,000 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830 9,010 8,310 7,640 7,640 7,030 6,500 5,990 5,550	30 Boom Angle (deg.) * * 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 62.1 60.2 58.2 58.2 58.2 56.1 54.0	Rated Load (lbs.) 20,170 19,370 18,690 18,070 16,550 14,830 13,470 12,250 11,190 10,180 9,340 8,590 7,910 7,270 6,700	Boom Angle (deg.) * 78.5 * 76.8 * 75.3 * 75.3 * 73.7 72.1 70.5 68.8 67.2 65.6 63.8 62.1 60.4 58.6 56.7 54.8 52.9 51.0	 Offset Rated Load (lbs.) 24,000 24,000 22,810 20,190 18,030 16,180 14,520 13,180 12,010 10,970 10,000 9,190 8,460 7,800 7,160 6,610 6,120 5,660 	30 Boom Angle (deg.) * * * 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7 57.8	Rated Load (lbs.) 14,920 * 14,390 * 13,910 * 13,420 * 13,000 * 12,630 * 11,680 10,670 9,810 9,030 8,330 7,670 7,090	Load Radius (ft.) 50 55 60 65 70 75 80 85 90 95 100 105 100 105 110 115 120 125 130 135	10" Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 52.0	50' Coffset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 20,000 * 18,200 16,350 14,680 13,330 12,140 11,110 10,110 9,300 8,570 7,910 7,270 6,210 5,750 5,330	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2 59.3 57.5 55.6	Rated Load (lbs.) 11,330 * 10,530 * 10,530 * 10,530 * 9,870 * 9,870 * 9,300 * 9,300 * 9,060 * 8,810 * 8,570 7,890 7,290 6,760 6,280 5,820	Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 67.4 65.9 64.4 62.9 61.2 59.6 58.0 58.0 54.6	 Offset Rated Load (lbs.) 18,000 * 17,700 * 16,600 * 15,650 * 14,720 * 13,420 12,230 11,190 10,200 9,390 8,640 7,980 7,340 6,790 6,280 5,400 	30° Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4 60.7 58.9	Rated Load (lbs.) 9,060 * 8,700 * 8,420 * 8,130 * 7,890 * 7,620 * 7,620 * 7,620 * 7,620 * 7,010 * 6,830 * 6,650 * 6,500 * 6,370 *
Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125	10 ^d Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 61.4 59.6 57.7 55.8 53.7 51.7 49.6	3(6 ° Offset Rated Load (lbs.) 24,000 24,000 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830 9,010 8,310 7,640 7,640 7,640 5,990	30 Boom Angle (deg.) * * 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 62.1 60.2 58.2 58.2 58.2 56.1 54.0	Rated Load (lbs.) 20,170 19,370 18,690 18,070 16,550 14,830 13,470 12,250 11,190 10,180 9,340 8,590 7,910 7,270 6,700	Boom Angle (deg.) * 78.5 * 76.8 * 75.3 * 75.3 * 73.7 72.1 70.5 68.8 67.2 65.6 63.8 62.1 60.4 58.6 54.8 52.9	 Offset Rated Load (lbs.) 24,000 24,000 22,810 20,190 18,030 16,180 14,520 13,180 12,010 10,970 10,000 9,190 8,460 7,800 7,160 6,610 6,120 5,660 5,260 	30 Boom Angle (deg.) * * * 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 57.8 55.8	Rated Load (lbs.) 14,920 * 14,390 * 13,910 * 13,420 * 13,000 * 13,630 * 11,680 10,670 9,810 9,030 8,330 7,670 7,090 6,560	Load Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130	10" Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9	50' Coffset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 20,000 * 18,200 16,350 14,680 13,330 12,140 11,110 10,110 9,300 8,570 7,910 7,270 6,210 5,750 5,330 4,930	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2 59.3 57.5	Rated Load (lbs.) 11,330 * 10,530 * 10,530 * 9,870 * 9,870 * 9,300 * 9,300 * 9,060 * 8,810 * 8,570 7,890 7,290 6,760 6,280	Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 64.4 65.9 64.4 62.9 61.2 59.6 58.0 56.3	 Offset Rated Load (lbs.) 18,000 * 17,700 * 16,600 * 15,650 * 14,720 * 13,420 12,230 11,190 10,200 9,390 8,640 7,980 7,340 6,790 6,280 5,400 4,980 	30° Boom Angle (deg.) 79.9 78.3 76.8 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3	Rated Load (lbs.) 9,060 * 8,700 * 8,420 * 8,130 * 7,890 * 7,620 * 7,620 * 7,620 * 7,620 * 7,010 * 6,830 * 6,650 * 6,500 * 6,500 * 6,370 * 5,970 5,530
Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 105 110 125 130 135	10 ^d Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 61.4 59.6 57.7 55.8 53.7 51.7 49.6 47.5 45.3	3(6 ° Offset Rated Load (lbs.) 24,000 24,000 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830 9,010 8,310 7,640 7,640 7,030 6,500 5,990 5,550 5,150	30 Boom Angle (deg.) * * 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 62.1 60.2 58.2 58.2 58.2 56.1 54.0	Rated Load (lbs.) 20,170 19,370 18,690 18,070 16,550 14,830 13,470 12,250 11,190 10,180 9,340 8,590 7,910 7,270 6,700	Boom Angle (deg.) * 78.5 * 76.8 * 75.3 * 75.3 * 73.7 72.1 70.5 68.8 67.2 65.6 63.8 62.1 60.4 58.6 56.7 54.8 52.9 51.0 49.0	 Offset Rated Load (lbs.) 24,000 24,000 22,810 20,190 18,030 16,180 14,520 13,180 12,010 10,970 10,000 9,190 8,460 7,800 7,160 6,610 6,120 5,660 	30 Boom Angle (deg.) * * * 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 57.8 55.8	Rated Load (lbs.) 14,920 * 14,390 * 13,910 * 13,420 * 13,000 * 13,630 * 11,680 10,670 9,810 9,030 8,330 7,670 7,090 6,560	Load Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140	10" Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 52.0 50.0	50' Coffset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 18,200 16,350 14,680 13,330 12,140 11,110 9,300 8,570 7,910 7,270 6,210 5,750 5,330	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2 59.3 57.5 55.6	Rated Load (lbs.) 11,330 * 10,530 * 10,530 * 10,530 * 9,870 * 9,870 * 9,300 * 9,300 * 9,060 * 8,810 * 8,570 7,890 7,290 6,760 6,280 5,820	Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 64.4 62.9 61.2 59.6 58.0 54.6 58.0 54.6 52.8	 Offset Rated Load (lbs.) 18,000 * 17,700 * 16,600 * 15,650 * 14,720 * 13,420 12,230 11,190 10,200 9,390 8,640 7,980 7,340 6,790 6,280 5,400 	30° Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4 60.7 58.9 57.0 55.1	Rated Load (lbs.) 9,060 * 8,700 * 8,420 * 8,130 * 7,890 * 7,620 * 7,620 * 7,620 * 7,620 * 7,200 * 7,200 * 6,830 * 6,650 * 6,500 * 6,500 * 6,370 *
Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 105 110 125 130 125 130 135 140 145 150	10 ^d Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 61.4 59.6 57.7 55.8 53.7 51.7 49.6 47.5 45.3 42.8 40.3 37.8	3(6 ° Offset Rated Load (lbs.) 24,000 24,000 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830 9,010 8,310 7,640 7,640 7,030 6,500 5,990 5,550 5,150 4,730 4,320 3,940	30 Boom Angle (deg.) * * 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 62.1 60.2 58.2 58.2 58.2 56.1 54.0	Rated Load (lbs.) 20,170 19,370 18,690 18,070 16,550 14,830 13,470 12,250 11,190 10,180 9,340 8,590 7,910 7,270 6,700	Boom Angle (deg.) * 78.5 * 76.8 * 75.3 * 75.3 * 72.1 70.5 68.8 67.2 65.6 63.8 62.1 60.4 58.6 56.7 54.8 52.9 51.0 49.0 46.7 44.6 42.3	 Offset Rated Load (lbs.) 24,000 24,000 22,810 20,190 18,030 16,180 14,520 13,180 12,010 10,970 10,000 9,190 8,460 7,800 7,160 6,610 6,120 5,660 5,260 4,850 4,450 4,050 	30 Boom Angle (deg.) * * * 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 57.8 55.8	Rated Load (lbs.) 14,920 * 14,390 * 13,910 * 13,420 * 13,000 * 13,630 * 11,680 10,670 9,810 9,030 8,330 7,670 7,090 6,560	Load Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 155	10" Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 52.0 50.0 48.1 46.1 43.9	50' Coffset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 20,000 * 18,200 16,350 14,680 13,330 12,140 11,110 10,110 9,300 8,570 7,910 7,270 6,210 5,750 5,330 4,930 4,560 4,160 3,790	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2 59.3 57.5 55.6	Rated Load (lbs.) 11,330 * 10,530 * 10,530 * 10,530 * 9,870 * 9,870 * 9,300 * 9,300 * 9,060 * 8,810 * 8,570 7,890 7,290 6,760 6,280 5,820	Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 64.4 62.9 61.2 59.6 58.0 54.6 58.0 54.6 52.8 51.0 49.2 47.3	 Offset Rated Load (lbs.) 18,000 * 17,700 * 16,600 * 15,650 * 14,720 * 13,420 12,230 11,190 10,200 9,390 8,640 7,980 7,340 6,790 6,280 5,400 4,980 4,620 4,230 3,850 	30° Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4 60.7 58.9 57.0 55.1	Rated Load (lbs.) 9,060 * 8,700 * 8,420 * 8,130 * 7,890 * 7,620 * 7,620 * 7,620 * 7,620 * 7,620 * 7,620 * 7,620 * 6,830 * 6,650 * 6,500 * 6,500 * 6,500 * 5,970 5,530 5,130
Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 105 110 125 130 125 130 135 140 145 150	10° Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 61.4 59.6 57.7 55.8 53.7 51.7 49.6 47.5 45.3 42.8 40.3 37.8 35.0	3(6 ° Offset Rated Load (lbs.) 24,000 24,000 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830 9,010 8,310 7,640 7,030 6,500 5,990 5,550 5,150 4,730 4,320 3,940 3,590	30 Boom Angle (deg.) * * 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 62.1 60.2 58.2 58.2 58.2 56.1 54.0	Rated Load (lbs.) 20,170 19,370 18,690 18,070 16,550 14,830 13,470 12,250 11,190 10,180 9,340 8,590 7,910 7,270 6,700	Boom Angle (deg.) * 78.5 * 76.8 * 75.3 * 73.7 72.1 70.5 68.8 67.2 65.6 63.8 62.1 60.4 58.6 56.7 54.8 52.9 51.0 49.0 46.7 44.6 42.3 39.9	 Offset Rated Load (lbs.) 24,000 24,000 22,810 20,190 18,030 16,180 14,520 13,180 12,010 10,970 10,000 9,190 8,460 7,800 7,160 6,610 6,610 6,610 5,660 5,260 4,850 4,450 4,050 3,700 	30 Boom Angle (deg.) * * * 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 57.8 55.8	Rated Load (lbs.) 14,920 * 14,390 * 13,910 * 13,420 * 13,000 * 13,630 * 11,680 10,670 9,810 9,030 8,330 7,670 7,090 6,560	Load Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 155 160	10" Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 52.0 50.0 48.1 46.1 43.9 41.6	50' Coffset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 20,000 * 18,200 16,350 14,680 13,330 12,140 11,110 10,110 9,300 8,570 7,910 7,270 6,210 5,750 5,330 4,930 4,560 4,160 3,790 3,430	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2 59.3 57.5 55.6	Rated Load (lbs.) 11,330 * 10,530 * 10,530 * 10,530 * 9,870 * 9,870 * 9,300 * 9,300 * 9,060 * 8,810 * 8,570 7,890 7,290 6,760 6,280 5,820	Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 64.4 62.9 61.2 59.6 58.0 54.6 58.0 54.6 58.0 54.6 52.8 51.0 49.2 47.3 45.2	 Offset Rated Load (lbs.) 18,000 * 17,700 * 16,600 * 15,650 * 14,720 * 13,420 12,230 11,190 10,200 9,390 8,640 7,980 7,340 6,790 6,280 5,400 4,980 4,620 4,230 3,850 3,480 	30° Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4 60.7 58.9 57.0 55.1	Rated Load (lbs.) 9,060 * 8,700 * 8,420 * 8,130 * 7,890 * 7,620 * 7,620 * 7,620 * 7,620 * 7,620 * 7,620 * 7,620 * 6,830 * 6,650 * 6,500 * 6,500 * 6,500 * 5,970 5,530 5,130
Load Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 100 105 110 115 120 125 130 135 140 145 150 155 160	10 ^d Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 61.4 59.6 57.7 55.8 53.7 51.7 49.6 47.5 45.3 42.8 40.3 37.8	3(6 ° Offset Rated Load (lbs.) 24,000 24,000 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830 9,010 8,310 7,640 7,640 7,030 6,500 5,990 5,550 5,150 4,730 4,320 3,940	30 Boom Angle (deg.) * * 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 62.1 60.2 58.2 58.2 58.2 56.1 54.0	Rated Load (lbs.) 20,170 19,370 18,690 18,070 16,550 14,830 13,470 12,250 11,190 10,180 9,340 8,590 7,910 7,270 6,700	Boom Angle (deg.) * 78.5 * 76.8 * 75.3 * 73.7 72.1 70.5 68.8 67.2 65.6 63.8 62.1 60.4 58.6 56.7 54.8 52.9 51.0 49.0 46.7 44.6 42.3 39.9 37.3	 Offset Rated Load (lbs.) 24,000 24,000 22,810 20,190 18,030 16,180 14,520 13,180 12,010 10,970 10,000 9,190 8,460 7,800 7,160 6,610 6,120 5,660 5,260 4,850 4,450 4,050 3,700 3,350 	30 Boom Angle (deg.) * * * 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 57.8 55.8	Rated Load (lbs.) 14,920 * 14,390 * 13,910 * 13,420 * 13,000 * 13,630 * 11,680 10,670 9,810 9,030 8,330 7,670 7,090 6,560	Load Radius (ft.) 50 55 60 65 70 75 80 85 90 95 100 105 100 105 110 115 120 135 140 135 140 145 155 160 165	10' Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 52.0 50.0 48.1 46.1 43.9 41.6 39.3	50' ² Offset Rated Load (lbs.) 20,000 * 20,000 * 20,000 * 20,000 * 13,300 14,680 13,330 12,140 13,330 12,140 13,330 12,140 13,330 12,140 11,110 9,300 8,570 7,910 7,270 6,720 6,720 6,720 6,720 5,330 4,930 4,560 4,160 3,790 3,430 3,100	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2 59.3 57.5 55.6	Rated Load (lbs.) 11,330 * 10,530 * 10,530 * 10,530 * 9,870 * 9,870 * 9,300 * 9,300 * 9,060 * 8,810 * 8,570 7,890 7,290 6,760 6,280 5,820	Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 61.2 59.6 58.0 54.6 58.0 54.6 58.0 54.6 52.8 51.0 49.2 47.3 45.2 43.1	 Offset Rated Load (lbs.) 18,000 * 17,700 * 16,600 * 15,650 * 14,720 * 13,420 12,230 11,190 10,200 9,390 8,640 7,980 7,340 6,790 6,280 5,400 4,980 4,620 4,230 3,850 3,480 3,170 	30° Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4 60.7 58.9 57.0 55.1	Rated Load (lbs.) 9,060 * 8,700 * 8,420 * 8,130 * 7,890 * 7,620 * 7,620 * 7,620 * 7,620 * 7,620 * 7,620 * 7,620 * 6,830 * 6,650 * 6,500 * 6,500 * 6,500 * 5,970 5,530 5,130
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CK850-III Jib Rated Loads in Pounds

2 Counterweights + 2 Low Weights - Crawlers fully extended

160 Boom 100 Othet 100 Othet 00 Jb 0 10 Jb 0 0 0 Jb 0 0 10 Jb 0 10 Jb 10 Jb 10 Jb 10 Jb 1				+ 2 LOW	weights -	Clawie	ers fully ex	tended											
10° Offset 30° Offset 100° TA'	160)' Bo	om							160)' Boo	om							
Lack Boom Rated Room Rated																			
Radius Angle Load Angle Load <thload< th=""> Load <thload< th=""> <th< td=""><td></td><td>10°</td><td></td><td>30°</td><td>Offset</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Offset</td><td>10</td><td></td><td>30°</td><td></td></th<></thload<></thload<>		10°		30°	Offset									Offset	10		30°		
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(ft.) (deg.) (lbs.) (deg.)		10°			Offset	10						Offset	30			Offset	30°		
45 79.8 23,360 * 79.4 23,360 * 79.6 20,800 * 55 79.2 18,500 * 80.0 17,000 * 16,400 * 55 76.8 22,150 79.4 19,860 * 78.1 20,000 * 65 76.5 17,100 * 77.5 15,800 * 16,400 * 60 75.3 19,550 77.9 19,220 * 76.7 19,200 * 80.0 15,290 * 70 75.2 15,980 79.1 11,170 * 76.2 10,800 * 74.9 13,980 * 79.4 8,900 70 72.4 15,560 74.9 16,220 73.9 15,800 77.1 14,300 * 80 72.4 12,940 76.2 10,490 * 73.6 13,980 * 79.4 8,900 75 70.8 13,880 73.2 14,500 72.4 14,130 75.6 13,840 * 85 71.0 11,750 74.8 10,800 * 71.0 10.800 75.4 8,100 71.9 9,610 * 69.5 9,810 60.5 9,810 65.3 8,150 68.2 9,70 71.9		Boom	Offset	30			° Offset	30		Load		Offset	30			Offset	30°		
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50 78.3 22,830* 79.6 20,800* 60 77.9 17,800* 78.8 16,400* 78.8 16,400* 77.5 15,800* 60 75.3 19,500 77.9 19,200* 67.7 19,200* 65 76.8 17,100* 77.5 15,800* 77.5 15,800* 77.5 15,800* 79.4 19,200* 76.7 19,200* 80.0 15,200* 70.7 75.2 15,980 77.6 11,170* 76.4 13,880* 79.4 8,900 70 72.4 15,560 74.9 16,20 73.9 15,800 77.1 14,300 800 72.4 12,940 76.2 10,490* 7.3.6 13,800 76.7 8,350 70 72.4 15,560 71.7 13,090 71.0 12,760 71.4 13,420 90 66.2 10,690 74.8 10,180 76.7 8,350 76.7 8,360 70.7 76.4 8,400 70.7 7.57 76.8 13,800 77.5 9,610 76.2 10,400 76.3 17.3 1	Radius	Boom Angle	Offset Rated Load	30° Boom Angle	Rated Load	Boom Angle	° Offset Rated Load	30 Boom Angle	Rated Load	Radius	Boom Angle	^o Offset Rated Load	30° Boom Angle	Rated Load	Boom Angle	^o Offset Rated Load	30° Boom Angle	Rated Load	
60 75.3 19,550 77.9 19,220 * 70 75.2 15,980 79.1 11,170 * 76.2 15,200 * 65 73.8 17,370 76.4 18,120 75.3 17,630 78.6 14,770 * 75 73.8 14,280 77.6 10,800 * 74.9 13,980 * 74.4 8,900 70 72.4 15,560 71.9 16,220 73.9 15,800 77.1 14,300 * 80 72.4 12,940 76.2 10,490 * 73.6 13,050 78.1 8,100 75 70.8 13,880 73.2 14,500 72.4 13,400 * 80 61.0,690 73.4 9,890 * 71.0 10,800 75.4 8,100 80 69.3 12,560 71.1 11,800 69.5 11,310 100 66.7 8,880 70.4 9,360 * 68.2 8,970 75.5 7.640 95 64.5 9,390 65.2 8,970 65.0 <td>Radius (ft.)</td> <td>Boom Angle (deg.)</td> <td>Offset Rated Load (Ibs.)</td> <td>30° Boom Angle (deg.)</td> <td>Rated Load</td> <td>Boom Angle</td> <td>° Offset Rated Load</td> <td>30 Boom Angle</td> <td>Rated Load</td> <td>Radius (ft.)</td> <td>Boom Angle (deg.)</td> <td>^e Offset Rated Load (lbs.)</td> <td>30° Boom Angle (deg.)</td> <td>Rated Load</td> <td>Boom Angle (deg.)</td> <td>^o Offset Rated Load (Ibs.)</td> <td>30° Boom Angle (deg.)</td> <td>Rated Load</td>	Radius (ft.)	Boom Angle (deg.)	Offset Rated Load (Ibs.)	30° Boom Angle (deg.)	Rated Load	Boom Angle	° Offset Rated Load	30 Boom Angle	Rated Load	Radius (ft.)	Boom Angle (deg.)	^e Offset Rated Load (lbs.)	30° Boom Angle (deg.)	Rated Load	Boom Angle (deg.)	^o Offset Rated Load (Ibs.)	30° Boom Angle (deg.)	Rated Load	
60 75.3 19,550 77.9 19,220 * 70 75.2 15,980 79.1 11,170 * 76.2 15,200 * 65 73.8 17,370 76.4 18,120 75.3 17,630 78.6 14,770 * 75 73.8 14,280 77.6 10,800 * 74.9 13,980 * 79.4 8,900 70 72.4 15,560 74.9 16,220 73.9 15,800 77.1 14,300 * 80 72.4 12,940 76.2 10,490 * 73.6 13,050 78.1 8,610 75 70.8 13,880 73.2 14,500 72.4 13,440 * 80 71.0 11,750 74.8 10,180 * 72.3 11,860 75.7 8,350 80 69.3 12,560 71.1 11,800 72.6 12,450 95 68.2 9,720 71.9 9,610 * 69.5 9,810 73.9 7,870 90 66.2 10,360 66.6 9,810	Radius (ft.) 45	Boom Angle (deg.) 79.8	Offset Rated Load (Ibs.) 23,360	30° Boom Angle (deg.)	Rated Load	Boom Angle (deg.)	° Offset Rated Load (lbs.)	30 Boom Angle	Rated Load	Radius (ft.) 55	Boom Angle (deg.) 79.2	Offset Rated Load (lbs.)	30° Boom Angle (deg.)	Rated Load	Boom Angle (deg.) 80.0	Offset Rated Load (Ibs.)	30° Boom Angle (deg.)	Rated Load	
65 73.8 17,370 76.4 18,120 75.3 17,630 78.6 14,770 * 75 73.8 14,280 77.6 10,800 * 74.9 13,980 * 79.4 8,900 70 72.4 15,560 74.9 16,220 73.9 15,800 77.1 14,300 * 80 72.4 12,940 76.2 10,490 * 73.6 13,050 78.1 8,610 75 70.8 13,880 73.2 14,500 72.4 14,130 75.6 13,840 * 85 71.0 11,750 74.8 10,180 * 72.3 11,860 75.7 8,350 80 69.3 12,560 71.7 13,090 71.0 12,760 74.1 13,420 * 90 66.2 9,800 * 69.2 8,970 73.8 7,870 74.8 10,800 * 74.9 9,810 * 74.9 7,870 71.0 7,630 7,9 7,870 63.6 8,220 71.1 7,370 7,630 64.9 9,4	Radius (ft.) 45 50	Boom Angle (deg.) 79.8 78.3	^o Offset Rated Load (Ibs.) 23,360 22,830	30° Boom Angle (deg.) *	Rated Load (Ibs.)	Boom Angle (deg.) 79.6	° Offset Rated Load (lbs.) 20,800 *	30 Boom Angle (deg.)	Rated Load	Radius (ft.) 55 60	Boom Angle (deg.) 79.2 77.9	^o Offset Rated Load (lbs.) 18,500 17,800	30° Boom Angle (deg.) *	Rated Load	Boom Angle (deg.) 80.0 78.8	^o Offset Rated Load (lbs.) 17,000 * 16,400 *	30° Boom Angle (deg.)	Rated Load	
70 72.4 15,560 74.9 16,220 73.9 15,800 77.1 14,300 * 80 72.4 12,940 76.2 10,490 * 73.6 13,050 78.1 8,610 75 70.8 13,880 73.2 14,500 72.4 14,130 75.6 13,840 * 85 71.0 11,750 74.8 10,180 * 72.3 11,860 76.7 8,350 80 69.3 12,560 71.7 13,090 71.0 12,760 74.1 13,420 * 90 69.6 10,690 73.4 9,890 * 71.0 10,800 75.4 8,110 85 67.7 11,390 70.1 11,880 69.5 11,590 72.6 12,450 95 68.2 9,720 71.9 9,610 * 69.5 9,810 73.9 7,870 90 66.2 10,300 66.9 9,810 66.5 9,560 69.5 10,301 105 65.3 8,150 68.9 8,970 66.8 8,220 71.1 7,450 100 62.9 8,590 <td< td=""><td>Radius (ft.) 45 50 55</td><td>Boom Angle (deg.) 79.8 78.3 76.8</td><td>Offset Rated Load (lbs.) 23,360 22,830 22,150</td><td>30° Boom Angle (deg.) * * 79.4</td><td>Rated Load (Ibs.) 19,860 *</td><td>Boom Angle (deg.) 79.6 78.1</td><td> Offset Rated Load (lbs.) 20,800 * 20,000 * </td><td>30 Boom Angle (deg.)</td><td>Rated Load (Ibs.)</td><td>Radius (ft.) 55 60 65</td><td>Boom Angle (deg.) 79.2 77.9 76.5</td><td>^o Offset Rated Load (Ibs.) 18,500 17,800 17,100</td><td>30° Boom Angle (deg.) * *</td><td>Rated Load (Ibs.)</td><td>Boom Angle (deg.) 80.0 78.8 77.5</td><td>^o Offset Rated Load (lbs.) 17,000 * 16,400 * 15,800 *</td><td>30° Boom Angle (deg.)</td><td>Rated Load</td></td<>	Radius (ft.) 45 50 55	Boom Angle (deg.) 79.8 78.3 76.8	Offset Rated Load (lbs.) 23,360 22,830 22,150	30° Boom Angle (deg.) * * 79.4	Rated Load (Ibs.) 19,860 *	Boom Angle (deg.) 79.6 78.1	 Offset Rated Load (lbs.) 20,800 * 20,000 * 	30 Boom Angle (deg.)	Rated Load (Ibs.)	Radius (ft.) 55 60 65	Boom Angle (deg.) 79.2 77.9 76.5	^o Offset Rated Load (Ibs.) 18,500 17,800 17,100	30° Boom Angle (deg.) * *	Rated Load (Ibs.)	Boom Angle (deg.) 80.0 78.8 77.5	^o Offset Rated Load (lbs.) 17,000 * 16,400 * 15,800 *	30° Boom Angle (deg.)	Rated Load	
75 70.8 13,880 73.2 14,500 72.4 14,130 75.6 13,840 * 85 71.0 11,750 74.8 10,180 * 72.3 11,860 76.7 8,350 80 69.3 12,560 71.7 13,090 71.0 12,760 74.1 13,420 * 90 69.6 10,690 73.4 9,890 * 71.0 10,800 75.4 8,110 85 67.7 11,390 70.1 11,880 69.5 11,590 72.6 12,450 95 68.2 9,720 71.9 9,610 * 69.5 9,810 73.9 78.70 90 66.2 10,300 66.5 9,600 69.5 10,330 105 65.3 8,150 68.9 8,970 66.8 8,220 71.1 7,450 100 62.9 8,590 65.2 8,970 65.0 8,020 68.0 115 62.3 6,830 65.8 8,970 66.8 8,220 7,11 7,450 105 61.3 7,870	Radius (ft.) 45 50 55 60	Boom Angle (deg.) 79.8 78.3 76.8 75.3	Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550	30° Boom Angle (deg.) * * 79.4 77.9	Rated Load (lbs.) 19,860 * 19,220 *	Boom Angle (deg.) 79.6 78.1 76.7	* Offset Rated Load (lbs.) 20,800 * 20,000 * 19,200 *	30 Boom Angle (deg.) 80.0	Rated Load (lbs.) 15,290 *	Radius (ft.) 55 60 65 70	Boom Angle (deg.) 79.2 77.9 76.5 75.2	^o Offset Rated Load (Ibs.) 18,500 17,800 17,100 15,980	30° Boom Angle (deg.) * * 79.1	Rated Load (lbs.)	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2	^o Offset Rated Load (lbs.) 17,000 * 16,400 * 15,800 * 15,200 *	30° Boom Angle (deg.)	Rated Load (lbs.)	
80 69.3 12,560 71.7 13,090 71.0 12,760 74.1 13,420 * 90 69.6 10,690 73.4 9,890 * 71.0 10,800 75.4 8,110 85 67.7 11,390 70.1 11,880 69.5 11,590 72.6 12,450 95 68.2 9,720 71.9 9,610 * 69.5 9,810 73.9 7,870 90 66.2 10,360 68.6 10,820 68.1 10,560 71.1 11,370 100 66.7 8,880 70.4 9,360 * 68.2 8,970 72.5 7,640 95 64.5 9,390 66.9 9,810 66.5 9,560 69.5 10,300 105 65.3 8,150 68.9 8,970 66.8 8,220 71.1 7,450 100 62.9 8,590 65.2 8,970 65.0 8,750 68.0 9,470 110 63.9 7,470 67.4 8,240 65.5 7,560 69.7 7,250 105 61.3 7,870 63.6	Radius (ft.) 45 50 55 60 65	Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8	^o Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370	30° Boom Angle (deg.) * * * 79.4 77.9 76.4	Rated Load (lbs.) 19,860 * 19,220 * 18,120	Boom Angle (deg.) 79.6 78.1 76.7 75.3	* Offset Rated Load (lbs.) 20,800 * 20,000 * 19,200 * 17,630	30 Boom Angle (deg.) 80.0 78.6	Rated Load (lbs.) 15,290 * 14,770 *	Radius (ft.) 55 60 65 70 70 75	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8	^o Offset Rated Load (Ibs.) 18,500 17,800 17,100 15,980 14,280	30° Boom Angle (deg.) * * * * 79.1 77.6	Rated Load (lbs.) 11,170	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2 * 74.9	[°] Offset Rated Load (lbs.) 17,000 * 16,400 * 15,800 * 15,200 * 13,980 *	30° Boom Angle (deg.) 79.4	Rated Load (lbs.) 8,900 *	
90 66.2 10,360 68.6 10,820 68.1 10,560 71.1 11,370 100 66.7 8,880 70.4 9,360 * 68.2 8,970 72.5 7,640 95 64.5 9,390 66.9 9,810 66.5 9,560 69.5 10,330 105 65.3 8,150 68.9 8,970 66.8 8,220 71.1 7,450 100 62.9 8,590 65.2 8,970 65.0 8,750 68.0 9,470 110 63.9 7,470 67.4 8,240 65.5 7,560 69.7 7,250 105 61.3 7,870 63.6 8,220 63.5 8,020 64.4 8,680 115 62.3 6,830 65.8 7,560 64.0 6,920 68.2 7,050 110 59.7 7,200 61.9 7,530 61.9 7,360 64.8 8,000 120 60.8 6,280 64.3 6,960 62.6 6,340 66.7 6,900 115 57.9 6,560 60.1 6,870	Radius (ft.) 45 50 55 60 65 70	Boom Angle (deg.) 79.8 78.3 76.8 75.3 75.3 73.8 72.4	^o Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370 15,560	30° Boom Angle (deg.) * * * * 79.4 77.9 76.4 74.9	Rated Load (lbs.) 19,860 * 19,220 * 18,120 16,220	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9	* Offset Rated Load (lbs.) 20,800 * 20,000 * 19,200 * 17,630 15,800	30 [°] Boom Angle (deg.) 80.0 78.6 77.1	Rated Load (lbs.) 15,290 * 14,770 * 14,300 *	Radius (ft.) 55 60 65 70 75 80	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4	^e Offset Rated Load (Ibs.) 18,500 17,800 17,100 15,980 14,280 12,940	30° Boom Angle (deg.) * * * * 79.1 77.6 76.2	Rated Load (lbs.) 11,170 10,800 10,490	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2 * 74.9 * 73.6	 Offset Rated Load (lbs.) 17,000 * 16,400 * 15,800 * 15,200 * 13,980 * 13,050 	30° Boom Angle (deg.) 79.4 78.1	Rated Load (lbs.) 8,900 * 8,610 *	
90 66.2 10,360 68.6 10,820 68.1 10,560 71.1 11,370 100 66.7 8,880 70.4 9,360 * 68.2 8,970 72.5 7,640 95 64.5 9,390 66.9 9,810 66.5 9,560 69.5 10,330 105 65.3 8,150 68.9 8,970 66.8 8,220 71.1 7,450 100 62.9 8,590 65.2 8,970 65.0 8,750 68.0 9,470 110 63.9 7,470 67.4 8,240 65.5 7,560 69.7 7,250 105 61.3 7,870 63.6 8,220 63.5 8,020 64.4 8,680 115 62.3 6,830 65.8 7,560 64.0 6,920 68.2 7,050 110 59.7 7,200 61.9 7,530 61.9 7,360 64.8 8,000 120 60.8 6,280 64.3 6,960 62.6 6,340 66.7 6,900 115 57.9 6,560 60.1 6,870	Radius (ft.) 45 50 55 60 65 70 75	Boom Angle (deg.) 79.8 78.3 76.8 75.3 76.8 75.3 73.8 72.4 70.8	^o Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370 15,560 13,880	30° Boom Angle (deg.) * * * * 79.4 77.9 76.4 74.9 73.2	Rated Load (lbs.) 19,860 * 19,220 * 18,120 16,220 14,500	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4	° Offset Rated Load (lbs.) 20,800 ★ 20,000 ★ 19,200 ★ 17,630 15,800 14,130	30 Boom Angle (deg.) 80.0 78.6 77.1 75.6	Rated Load (lbs.) 15,290 * 14,770 * 14,300 * 13,840 *	Radius (ft.) 55 60 65 70 75 80 85	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0	^o Offset Rated Load (lbs.) 17,800 17,800 15,980 14,280 12,940 11,750	30° Boom Angle (deg.) * * * 79.1 77.6 76.2 74.8	Rated Load (lbs.) 11,170 10,800 10,490 10,180	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2 * 76.2 * 74.9 * 73.6 * 72.3	 Offset Rated Load (lbs.) 17,000 * 16,400 * 15,200 * 13,980 * 13,050 11,860 	30° Boom Angle (deg.) 79.4 78.1 76.7	Rated Load (lbs.) 8,900 * 8,610 * 8,350 *	
95 64.5 9,390 66.9 9,810 66.5 9,560 69.5 10,330 105 65.3 8,150 68.9 8,970 66.8 8,220 71.1 7,450 100 62.9 8,590 65.2 8,970 65.0 8,750 68.0 9,470 110 63.9 7,470 67.4 8,240 65.5 7,560 69.7 7,250 105 61.3 7,870 63.6 8,220 63.5 8,020 66.4 8,680 115 62.3 6,830 65.8 7,560 64.0 6,920 68.2 7,050 110 59.7 7,200 61.9 7,530 61.9 7,360 64.8 8,000 120 60.8 6,280 64.3 6,960 62.6 6,340 66.7 6,900 115 57.9 6,560 60.1 6,870 58.7 6,170 61.5 6,720 130 57.7 5,310 61.1 5,930 59.7 5,370	Radius (ft.) 45 50 55 60 65 70 75 80	Boom Angle (deg.) 79.8 78.3 76.8 75.3 76.8 75.3 73.8 72.4 70.8 69.3	^o Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370 15,560 13,880 12,560	30 [°] Boom Angle (deg.) * * * * * * * * * * * * * * * * * * *	Rated Load (lbs.) 19,860 * 19,220 * 18,120 16,220 14,500 13,090	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0	° Offset Rated Load (lbs.) 20,800 ★ 20,000 ★ 19,200 ★ 17,630 15,800 14,130 12,760	30 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1	Rated Load (lbs.) 15,290 * 14,770 * 14,300 * 13,840 * 13,420 *	Radius (ft.) 55 60 65 70 75 80 85 90	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6	^o Offset Rated Load (lbs.) 18,500 17,800 17,100 15,980 14,280 12,940 11,750 10,690	30° Boom Angle (deg.) * * * * * 79.1 77.6 76.2 74.8 73.4	Rated Load (lbs.) 11,170 10,800 10,490 10,180 9,890	Boom Angle (deg.) 78.8 77.5 76.2 74.9 73.6 73.6 73.6 73.6 71.0	 Offset Rated Load (lbs.) 17,000 * 16,400 * 15,200 * 13,980 * 13,050 11,860 10,800 	30° Boom Angle (deg.) 79.4 78.1 76.7 75.4	Rated Load (lbs.) 8,900 * 8,610 * 8,350 * 8,110 *	
100 62.9 8,590 65.2 8,970 65.0 8,750 68.0 9,470 110 63.9 7,470 67.4 8,240 65.5 7,560 69.7 7,250 105 61.3 7,870 63.6 8,220 63.5 8,020 66.4 8,680 115 62.3 6,830 65.8 7,560 64.0 6,920 68.2 7,050 110 59.7 7,200 61.9 7,530 61.9 7,360 64.8 8,000 120 60.8 6,280 64.3 6,960 62.6 6,340 66.7 6,900 115 57.9 6,560 60.1 6,870 60.3 6,720 63.1 7,310 125 59.3 5,770 62.7 6,410 61.1 5,860 65.2 6,610 120 56.2 6,040 58.3 6,300 58.7 6,170 61.5 6,720 130 57.7 5,310 61.1 5,930 59.7 5,370 63.7 6,100 125 54.4 5,550 56.5 5,790	Radius (ft.) 45 50 55 60 65 70 75 80 85	Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7	^o Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370 15,560 13,880 12,560 11,390	30° Boom Angle (deg.) * * * 79.4 77.9 76.4 74.9 73.2 71.7 70.1	Rated Load (lbs.) 19,860 * 19,220 * 18,120 16,220 14,500 13,090 11,880	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5	° Offset Rated Load (lbs.) 20,800 ★ 20,000 ★ 19,200 ★ 17,630 15,800 14,130 12,760 11,590	30 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6	Rated Load (lbs.) 15,290 * 14,770 * 14,300 * 13,840 * 13,420 *	Radius (ft.) 55 60 65 70 75 80 85 90 95	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2	 Offset Rated Load (lbs.) 18,500 17,800 17,800 15,980 14,280 12,940 14,750 10,690 9,720 	30° Boom Angle (deg.) * * * * 79.1 77.6 76.2 74.8 73.4 73.4 71.9	Rated Load (lbs.) 11,170 10,800 10,490 9,890 9,610	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2 * 76.2 * 71.9 * 73.6 * 72.3 * 71.0 * 69.5	 Offset Rated Load (lbs.) 17,000 * 16,400 * 15,200 * 13,980 * 13,050 11,860 10,800 9,810 	30° Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9	Rated Load (lbs.) 8,900 * 8,610 * 8,350 * 8,110 * 7,870 *	
105 61.3 7,870 63.6 8,220 63.5 8,020 66.4 8,680 115 62.3 6,830 65.8 7,560 64.0 6,920 68.2 7,050 110 59.7 7,200 61.9 7,530 61.9 7,360 64.8 8,000 120 60.8 6,280 64.3 6,960 62.6 6,340 66.7 6,900 115 57.9 6,560 60.1 6,870 60.3 6,720 63.1 7,310 125 59.3 5,770 62.7 6,410 61.1 5,860 65.2 6,610 120 56.2 6,040 58.3 6,300 58.7 6,170 61.5 6,720 130 57.7 5,310 61.1 5,930 59.7 5,370 63.7 6,100 125 54.4 5,550 56.5 5,790 57.0 5,680 59.8 6,190 135 56.1 4,870 59.5 5,460 58.2 4,960 62.2 5,610 130 52.6 5,070 54.7 5,310	Radius (ft.) 45 50 55 60 65 70 75 80 85 90	Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2	^o Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370 15,560 13,880 12,560 11,390 10,360	30° Boom Angle (deg.) * * * 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6	Rated Load (lbs.) 19,860 * 19,220 * 18,120 16,220 14,500 13,090 11,880 10,820	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1	° Offset Rated Load (lbs.) 20,800 ★ 20,000 ★ 19,200 ★ 17,630 15,800 14,130 12,760 11,590 10,560	30 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6 71.1	Rated Load (lbs.) 15,290 * 14,770 * 14,300 * 13,840 * 13,420 * 12,450 11,370	Radius (ft.) 55 60 65 70 75 80 85 90 95 100	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7	 Offset Rated Load (lbs.) 18,500 17,800 17,800 15,980 14,280 12,940 14,750 10,690 9,720 8,880 	30° Boom Angle (deg.) * * * * * * * * * * * * * * * * * * *	Rated Load (lbs.) 11,170 10,800 10,490 9,890 9,610 9,360	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2 * 76.2 * 76.2 * 73.6 * 73.6 * 72.3 * 71.0 * 69.5 * 68.2	 Offset Rated Load (lbs.) 17,000 * 16,400 * 15,200 * 13,980 * 13,050 11,860 10,800 9,810 8,970 	30° Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1	Rated Load (lbs.) 8,900 * 8,610 * 8,350 * 8,110 * 7,870 * 7,640 * 7,450 *	
115 57.9 6,560 60.1 6,870 60.3 6,720 63.1 7,310 125 59.3 5,770 62.7 6,410 61.1 5,860 65.2 6,610 120 56.2 6,040 58.3 6,300 58.7 6,170 61.5 6,720 130 57.7 5,310 61.1 5,930 59.7 5,370 63.7 6,100 125 54.4 5,550 56.5 5,790 57.0 5,680 59.8 6,190 135 56.1 4,870 59.5 5,460 58.2 4,960 62.2 5,640 130 52.6 5,070 54.7 5,310 55.4 5,220 58.1 5,700 140 54.4 4,360 57.7 5,000 56.6 4,450 60.5 5,180 135 50.8 4,560 52.8 4,850 53.7 4,730 56.4 5,260 145 52.8 3,920 56.0 4,620 53.5 3,610 57.3 4,380 140 48.8 4,070 51.8 4,230	Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95	Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5	 Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 	30° Boom Angle (deg.) * * * * 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9	Rated Load (lbs.) 19,860 * 19,220 * 18,120 16,220 14,500 13,090 11,880 10,820 9,810	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5	° Offset Rated Load (lbs.) 20,800 ★ 20,000 ★ 19,200 ★ 17,630 15,800 14,130 12,760 11,590 10,560 9,560	30' Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6 71.1 69.5	Rated Load (lbs.) 15,290 * 14,770 * 14,300 * 13,840 * 13,420 * 12,450 11,370 10,330	Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3	 Offset Rated Load (lbs.) 18,500 17,800 17,800 15,980 14,280 12,940 14,750 10,690 9,720 8,880 8,150 	30° Boom Angle (deg.) * * * * * * * * * * * * * * * * * * *	Rated Load (lbs.) 11,170 10,800 10,490 9,890 9,610 9,360 8,970	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2 * 76.5 * 76.2 * 76.2 * 76.5 * 76.2 * 76.5 * 76.6 * 76	 Offset Rated Load (lbs.) 17,000 * 16,400 * 15,200 * 13,980 * 13,050 11,860 10,800 9,810 8,970 8,220 	30° Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1	Rated Load (lbs.) 8,900 * 8,610 * 8,350 * 8,110 * 7,870 * 7,640 * 7,450 *	
120 56.2 6,040 58.3 6,300 58.7 6,170 61.5 6,720 130 57.7 5,310 61.1 5,930 59.7 5,370 63.7 6,100 125 54.4 5,550 56.5 5,790 57.0 5,680 59.8 6,190 135 56.1 4,870 59.5 5,460 58.2 4,960 62.2 5,640 130 52.6 5,070 54.7 5,310 55.4 5,220 58.1 5,700 140 54.4 4,360 57.7 5,000 56.6 4,450 60.5 5,180 135 50.8 4,560 52.8 4,850 53.7 4,730 56.4 5,260 145 52.8 3,920 56.0 4,620 55.1 4,010 58.9 4,780 140 48.8 4,070 51.8 4,230 54.4 4,820 150 51.1 3,520 54.2 4,160 53.5 3,610 57.3 4,380 145 46.9 3,650 50.1 3,810 52.6 4,360	Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105	Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3	 Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 8,590 7,870 	30° Boom Angle (deg.) * * * * 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2	Rated Load (lbs.) 19,860 * 19,220 * 18,120 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,220	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0	 Offset Rated Load (lbs.) 20,800 * 20,000 * 19,200 * 17,630 15,800 14,130 12,760 11,590 10,560 9,560 8,750 8,020 	30' Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6 71.1 69.5 68.0	Rated Load (lbs.) 15,290 * 14,770 * 14,300 * 13,840 * 13,420 * 12,450 11,370 10,330 9,470 8,680	Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 115	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9	 Offset Rated Load (lbs.) 18,500 17,800 17,800 15,980 14,280 12,940 14,750 10,690 9,720 8,880 8,150 7,470 6,830 	30° Boom Angle (deg.) * * * * * 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4	Rated Load (lbs.) 11,170 10,800 10,490 9,890 9,610 9,360 8,970 8,240 7,560	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2 * 76.5 * 76.2 * 76.5 * 76.2 * 76.5 * 76.5	 Offset Rated Load (lbs.) 17,000 * 16,400 * 15,200 * 13,980 * 13,050 11,860 10,800 9,810 8,970 8,220 7,560 6,920 	30° Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2	Rated Load (lbs.) 8,900 * 8,610 * 8,350 * 8,110 * 7,870 * 7,640 * 7,450 * 7,250 * 7,050 *	
125 54.4 5,550 56.5 5,790 57.0 5,680 59.8 6,190 135 56.1 4,870 59.5 5,460 58.2 4,960 62.2 5,640 130 52.6 5,070 54.7 5,310 55.4 5,220 58.1 5,700 140 54.4 4,360 57.7 5,000 56.6 4,450 60.5 5,180 135 50.8 4,560 52.8 4,850 53.7 4,730 56.4 5,260 145 52.8 3,920 56.0 4,620 55.1 4,010 58.9 4,780 140 48.8 4,070 51.8 4,230 54.4 4,820 150 51.1 3,520 54.2 4,160 53.5 3,610 57.3 4,380 145 46.9 3,650 50.1 3,810 52.6 4,360 155 49.3 3,150 52.4 3,760 51.9 3,240 55.6 3,960 150 44.8 3,280 48.2 3,410 160 47.4 2,790 50.2	Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105	Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7	 Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 8,590 7,870 7,200 	30° Boom Angle (deg.) * * * 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6	Rated Load (lbs.) 19,860 * 19,220 * 18,120 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,920 7,530	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5	 Offset Rated Load (lbs.) 20,800 * 20,000 * 19,200 * 17,630 15,800 14,130 12,760 11,590 10,560 9,560 8,750 8,020 7,360 	30' Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 72.6 71.1 69.5 68.0 66.4	Rated Load (lbs.) 15,290 * 14,770 * 14,300 * 13,840 * 13,420 * 13,420 * 11,370 10,330 9,470 8,680 8,000	Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 115	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8	 Offset Rated Load (lbs.) 18,500 17,800 17,800 15,980 14,280 12,940 14,750 10,690 9,720 8,880 8,150 7,470 6,830 6,280 	30° Boom Angle (deg.) * * * * * * * * * * * * * * * * * * *	Rated Load (lbs.) 11,170 10,800 10,490 9,890 9,610 9,360 8,970 8,240 7,560 6,960	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2 * 74.9 * 73.6 * 72.3 * 71.0 * 69.5 * 68.2 66.8 65.5 64.0	 Offset Rated Load (lbs.) 17,000 * 16,400 * 15,200 * 13,980 * 13,050 11,860 10,800 9,810 8,970 8,220 7,560 6,920 6,340 	30° Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7	Rated Load (lbs.) 8,900 * 8,610 * 8,350 * 8,110 * 7,870 * 7,640 * 7,450 * 7,250 * 7,250 * 6,900 *	
130 52.6 5,070 54.7 5,310 55.4 5,220 58.1 5,700 140 54.4 4,360 57.7 5,000 56.6 4,450 60.5 5,180 135 50.8 4,560 52.8 4,850 53.7 4,730 56.4 5,260 145 52.8 3,920 56.0 4,620 55.1 4,010 58.9 4,780 140 48.8 4,070 51.8 4,230 54.4 4,820 150 51.1 3,520 54.2 4,160 53.5 3,610 57.3 4,380 145 46.9 3,650 50.1 3,810 52.6 4,360 155 49.3 3,150 52.4 3,760 51.9 3,240 55.6 3,960 150 44.8 3,280 48.2 3,410 160 47.4 2,790 50.2 2,860 53.8 3,540 155 42.7 2,930 46.3 3,060 165 165 47.4 2,790 48.5 2,530 52.0 3,170 50.2 2,860	Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115	Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9	 Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 8,590 7,870 7,200 6,560 	30° Boom Angle (deg.) * * * 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1	Rated Load (lbs.) 19,860 * 19,220 * 18,120 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,220 7,530 6,870	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 61.9 60.3	 [◦] Offset Rated Load (lbs.) 20,800 * 20,000 * 19,200 * 17,630 15,800 14,130 12,760 11,590 10,560 9,560 8,750 8,020 7,360 6,720 	30' Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 69.5 68.0 66.4 64.8 63.1	Rated Load (lbs.) 15,290 * 14,770 * 14,300 * 13,840 * 13,420 * 13,420 * 11,370 10,330 9,470 8,680 8,000 7,310	Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8	 Offset Rated Load (lbs.) 18,500 17,800 17,800 15,980 14,280 12,940 14,750 10,690 9,720 8,880 8,150 7,470 6,830 6,280 5,770 	30° Boom Angle (deg.) * * * * * * * * * * * * * * * * * * *	Rated Load (lbs.) 11,170 10,800 10,490 9,890 9,610 9,360 8,970 8,240 7,560 6,960 6,410	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2 * 74.9 * 73.6 * 72.3 * 71.0 * 69.5 * 68.2 66.8 65.5 64.0 62.6 61.1	 Offset Rated Load (lbs.) 17,000 * 16,400 * 15,200 * 13,980 * 13,050 11,860 10,800 9,810 8,970 8,220 7,560 6,920 6,340 5,860 	30° Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7 65.2	Rated Load (lbs.) 8,900 * 8,610 * 8,350 * 8,110 * 7,870 * 7,640 * 7,450 * 7,250 * 7,050 * 6,900 *	
135 50.8 4,560 52.8 4,850 53.7 4,730 56.4 5,260 145 52.8 3,920 56.0 4,620 55.1 4,010 58.9 4,780 140 48.8 4,070 51.8 4,230 54.4 4,820 150 51.1 3,520 54.2 4,160 53.5 3,610 57.3 4,380 145 46.9 3,650 50.1 3,810 52.6 4,360 155 49.3 3,150 52.4 3,760 51.9 3,240 55.6 3,960 150 44.8 3,280 48.2 3,410 - 160 47.4 2,790 50.2 2,860 53.8 3,540 155 42.7 2,930 46.3 3,060 - 165 - - - 48.5 2,530 52.0 3,170	Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120	Boom Angle (deg.) 79.8 76.8 75.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2	 Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 8,590 7,870 7,200 6,560 6,040 	30° Boom Angle (deg.) * * * 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3	Rated Load (lbs.) 19,860 * 19,220 * 18,120 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,220 7,530 6,870 6,300	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 61.9 60.3	 [◦] Offset Rated Load (lbs.) 20,800 * 20,000 * 19,200 * 19,200 * 17,630 15,800 14,130 12,760 14,130 12,760 14,130 12,760 14,130 12,760 5,800 3,500 8,020 7,360 6,720 6,170 	30' Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 69.5 68.0 66.4 64.8 63.1	Rated Load (lbs.) 15,290 * 14,770 * 14,300 * 13,840 * 13,420 * 13,420 * 11,370 10,330 9,470 8,680 8,000 7,310 6,720	Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 105 110 125 130	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7	 Offset Rated Load (lbs.) 18,500 17,800 17,800 15,980 14,280 12,940 14,750 10,690 9,720 8,880 8,150 7,470 6,830 6,280 5,770 5,310 	30° Boom Angle (deg.) * * * * * 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 62.7	Rated Load (lbs.) 11,170 10,800 10,490 9,890 9,610 9,360 8,970 8,240 7,560 6,960 6,410 5,930	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2 * 74.9 * 73.6 * 72.3 * 71.0 * 69.5 * 68.2 66.8 65.5 64.0 62.6 61.1 59.7	 Offset Rated Load (lbs.) 17,000 * 16,400 * 15,800 * 15,200 * 13,980 * 13,050 11,860 10,800 9,810 8,970 8,220 7,560 6,920 6,340 5,860 5,370 	30° Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7 68.2 66.7 65.2 63.7	Rated Load (lbs.) 8,900 * 8,610 * 8,350 * 8,110 * 7,870 * 7,640 * 7,450 * 7,250 * 7,250 * 6,900 * 6,610 6,100	
140 48.8 4,070 51.8 4,230 54.4 4,820 150 51.1 3,520 54.2 4,160 53.5 3,610 57.3 4,380 145 46.9 3,650 50.1 3,810 52.6 4,360 155 49.3 3,150 52.4 3,760 51.9 3,240 55.6 3,960 150 44.8 3,280 48.2 3,410 - 160 47.4 2,790 50.2 2,860 53.8 3,540 155 42.7 2,930 46.3 3,060 - 165 - - - 48.5 2,530 52.0 3,170	Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125	Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4	 Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 8,590 7,870 7,200 6,560 6,040 5,550 	30° Boom Angle (deg.) * * * 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 65.2 63.6 61.9 65.3 55.5	Rated Load (lbs.) 19,860 * 19,220 * 18,120 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,220 7,530 6,870 6,300 5,790	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 61.9 60.3 58.7 57.0	 [◦] Offset Rated Load (lbs.) 20,800 * 20,000 * 19,200 * 17,630 15,800 14,130 12,760 11,590 10,560 9,560 8,750 8,020 7,360 6,720 6,170 5,680 	30' Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 68.0 66.4 64.8 63.1 61.5 59.8	Rated Load (lbs.) 15,290 * 14,770 * 14,300 * 13,840 * 13,420 * 13,420 * 11,370 10,330 9,470 8,680 8,000 7,310 6,720 6,190	Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 105 110 125 130 135	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7 56.1	 Offset Rated Load (lbs.) 18,500 17,800 17,800 15,980 14,280 12,940 14,750 10,690 9,720 8,880 8,150 7,470 6,830 6,280 5,770 5,310 4,870 	30° Boom Angle (deg.) * * * * 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 68.9 67.4 65.8 64.3 62.7 61.1 59.5	Rated Load (lbs.) 11,170 10,800 10,490 9,890 9,610 9,360 8,970 8,240 7,560 6,960 6,410 5,930 5,460	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2 * 74.9 * 73.6 * 72.3 * 71.0 * 69.5 * 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2	 Offset Rated Load (lbs.) 17,000 * 16,400 * 15,200 * 13,980 * 13,050 11,860 10,800 9,810 8,970 8,220 7,560 6,920 6,340 5,860 5,370 4,960 	30° Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7 65.2 63.7 62.2	Rated Load (lbs.) 8,900 * 8,610 * 8,350 * 8,110 * 7,870 * 7,640 * 7,450 * 7,250 * 7,250 * 6,900 * 6,610 6,100 5,640	
145 46.9 3,650 50.1 3,810 52.6 4,360 155 49.3 3,150 52.4 3,760 51.9 3,240 55.6 3,960 150 44.8 3,280 48.2 3,410 160 47.4 2,790 50.2 2,860 53.8 3,540 155 42.7 2,930 46.3 3,060 165 165 165 165 48.5 2,530 52.0 3,170	Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130	Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4	 Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 8,590 7,870 7,200 6,560 6,040 5,550 5,070 	30° Boom Angle (deg.) * * * 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 65.2 63.6 61.9 65.3 55.5	Rated Load (lbs.) 19,860 * 19,220 * 18,120 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,220 7,530 6,870 6,300 5,790 5,310	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 61.9 60.3 58.7 57.0 55.4	 [◦] Offset Rated Load (lbs.) 20,800 * 20,000 * 19,200 * 19,200 * 17,630 14,130 12,760 14,130 12,760 14,130 12,760 14,590 10,560 9,560 8,750 8,020 7,360 6,720 6,170 5,680 5,220 	30' Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 68.0 66.4 64.8 63.1 61.5 59.8	Rated Load (lbs.) 15,290 * 14,770 * 14,300 * 13,840 * 13,420 * 13,420 * 11,370 10,330 9,470 8,680 8,000 7,310 6,720 6,190 5,700	Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 105 110 125 130 135	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7 56.1	 Offset Rated Load (lbs.) 18,500 17,800 17,800 15,980 14,280 12,940 14,750 10,690 9,720 8,880 8,150 7,470 6,830 6,280 5,770 5,310 4,870 4,360 	30° Boom Angle (deg.) * * * * 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 68.9 67.4 65.8 64.3 62.7 61.1 59.5	Rated Load (lbs.) 11,170 10,800 10,490 9,890 9,610 9,360 8,970 8,240 7,560 6,960 6,410 5,930 5,460 5,000	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2 * 74.9 * 73.6 * 72.3 * 71.0 * 69.5 * 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2	 Offset Rated Load (lbs.) 17,000 * 16,400 * 15,800 * 15,200 * 13,980 * 13,050 11,860 10,800 9,810 8,970 8,220 7,560 6,920 6,340 5,860 5,370 4,960 4,450 	30° Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7 65.2 63.7 62.2 60.5	Rated Load (lbs.) 8,900 * 8,610 * 8,350 * 8,110 * 7,870 * 7,640 * 7,450 * 7,250 * 7,250 * 6,900 * 6,610 6,100 5,640 5,180	
150 44.8 3,280 48.2 3,410 160 47.4 2,790 50.2 2,860 53.8 3,540 155 42.7 2,930 46.3 3,060 165 160 47.4 2,790 50.2 2,860 53.8 3,540	Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135	Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4 52.6 50.8	 Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 8,590 7,870 7,200 6,560 6,040 5,550 5,070 4,560 	30° Boom Angle (deg.) * * * 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 65.2 63.6 61.9 65.3 55.5 54.7	Rated Load (lbs.) 19,860 * 19,220 * 18,120 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,220 7,530 6,870 6,300 5,790 5,310	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 65.0 63.5 61.9 60.3 58.7 57.0 55.4 53.7	 [◦] Offset Rated Load (lbs.) 20,800 * 20,000 * 19,200 * 19,200 * 17,630 14,130 12,760 14,130 12,760 14,130 12,760 14,130 12,760 5,600 5,220 4,730 	30' Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.7 75.6 75.6 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.875.8 75.8 75.8 75.8 75.87	Rated Load (lbs.) 15,290 * 14,770 * 14,300 * 13,840 * 13,420 * 13,420 * 11,370 10,330 9,470 8,680 8,000 7,310 6,720 6,190 5,700 5,260	Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 105 120 125 130 135 140 145	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7 56.1 54.4 52.8	 Offset Rated Load (lbs.) 18,500 17,800 17,800 15,980 14,280 12,940 14,750 10,690 9,720 8,880 8,150 7,470 6,830 6,280 5,770 5,310 4,870 4,360 3,920 	30° Boom Angle (deg.) * * * 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 62.7 61.1 59.5 57.7 56.0	Rated Load (lbs.) 11,170 10,800 10,490 9,890 9,610 9,360 8,970 8,240 7,560 6,960 6,410 5,930 5,460 5,000 4,620	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2 * 74.9 * 73.6 * 72.3 * 71.0 * 69.5 * 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2 56.6 55.1	 Offset Rated Load (lbs.) 17,000 * 16,400 * 15,800 * 15,200 * 13,980 * 13,050 11,860 10,800 9,810 8,970 8,220 7,560 6,920 6,340 5,860 5,370 4,960 4,450 4,010 	30° Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7 65.2 63.7 65.2 63.7 62.2 60.5 58.9	Rated Load (lbs.) 8,900 * 8,610 * 8,350 * 8,110 * 7,870 * 7,640 * 7,450 * 7,250 * 7,250 * 6,900 * 6,610 6,100 5,640 5,180 4,780	
155 42.7 2,930 46.3 3,060 165 48.5 2,530 52.0 3,170	Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135	Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4 52.6 50.8 48.8	 Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 8,590 7,870 7,200 6,560 6,040 5,550 5,070 4,560 4,070 	30° Boom Angle (deg.) * * * 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 65.2 63.6 61.9 65.3 55.5 54.7	Rated Load (lbs.) 19,860 * 19,220 * 18,120 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,220 7,530 6,870 6,300 5,790 5,310	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 65.0 63.5 61.9 60.3 58.7 57.0 55.4 53.7	 [◦] Offset Rated Load (lbs.) 20,800 * 20,000 * 19,200 * 19,200 * 17,630 14,130 12,760 14,130 12,760 14,130 12,760 5,600 8,020 7,360 6,720 6,170 5,680 5,220 4,730 4,230 	30' Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.7 75.6 75.6 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.8 75.875.8 75.8 75.8 75.8 75.87	Rated Load (lbs.) 15,290 * 14,770 * 14,300 * 13,840 * 13,420 * 13,420 * 11,370 10,330 9,470 8,680 8,000 7,310 6,720 6,190 5,700 5,260 4,820	Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 125 130 135 140 145 150	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7 56.1 54.4 52.8 51.1	 Offset Rated Load (lbs.) 18,500 17,800 17,800 15,980 14,280 12,940 14,750 10,690 9,720 8,880 8,150 7,470 6,830 6,280 5,770 5,310 4,870 4,360 3,920 3,520 	30° Boom Angle (deg.) * * * 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 62.7 61.1 59.5 57.7 56.0 54.2	Rated Load (lbs.) 11,170 10,800 10,490 9,890 9,610 9,360 8,970 8,240 7,560 6,960 6,410 5,930 5,460 5,000 4,620 4,160	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2 * 74.9 * 73.6 * 72.3 * 71.0 * 69.5 * 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2 56.6 55.1 53.5	 Offset Rated Load (lbs.) 17,000 * 16,400 * 15,800 * 15,200 * 13,980 * 13,050 11,860 10,800 9,810 8,970 8,220 7,560 6,920 6,340 5,860 5,370 4,960 4,450 4,010 3,610 	30° Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7 65.2 63.7 65.2 63.7 62.2 60.5 58.9 57.3	Rated Load (lbs.) 8,900 * 8,610 * 8,350 * 8,110 * 7,870 * 7,640 * 7,450 * 7,250 * 7,250 * 6,900 * 6,610 6,100 5,640 5,180 4,380	
	Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145	Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4 52.6 50.8 48.8	 Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 8,590 7,870 7,200 6,560 6,040 5,550 5,070 4,560 4,070 3,650 	30° Boom Angle (deg.) * * * 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 65.2 63.6 61.9 65.3 55.5 54.7	Rated Load (lbs.) 19,860 * 19,220 * 18,120 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,220 7,530 6,870 6,300 5,790 5,310	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 65.0 63.5 61.9 60.3 58.7 57.0 55.4 53.7 51.8 50.1	 Offset Rated Load (lbs.) 20,800 * 20,000 * 19,200 * 19,200 * 17,630 14,130 12,760 14,130 12,760 14,130 12,760 5,600 8,750 8,020 7,360 6,720 6,170 5,680 5,220 4,730 4,230 3,810 	30' Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.6 75.1 75.6 75.6 75.6 75.1 75.6 75.6 75.1 75.6 75.6 75.6 75.1 75.6 75.6 75.6 75.6 75.6 75.6 75.7 75.6 75.6 75.6 75.6 75.6 75.6 75.7 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.8 55.8 55.8 55.8 55.4 55.4 55.4 55.4 55.455.4	Rated Load (lbs.) 15,290 * 14,770 * 14,300 * 13,840 * 13,420 * 13,420 * 11,370 10,330 9,470 8,680 8,000 7,310 6,720 6,190 5,700 5,260 4,820	Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 125 130 135 140 145 150	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7 56.1 54.4 52.8 51.1 49.3	 Offset Rated Load (lbs.) 18,500 17,800 17,800 15,980 14,280 12,940 14,750 10,690 9,720 8,880 8,150 7,470 6,830 6,280 5,770 5,310 4,870 4,360 3,920 3,520 3,150 	30° Boom Angle (deg.) * * * 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 62.7 61.1 59.5 57.7 56.0 54.2	Rated Load (lbs.) 11,170 10,800 10,490 9,890 9,610 9,360 8,970 8,240 7,560 6,960 6,410 5,930 5,460 5,000 4,620 4,160	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2 * 74.9 * 73.6 * 72.3 * 71.0 * 69.5 * 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2 56.6 55.1 53.5 51.9	 Offset Rated Load (lbs.) 17,000 * 16,400 * 15,800 * 15,200 * 13,980 * 13,050 11,860 10,800 9,810 8,970 8,220 7,560 6,920 6,340 5,860 5,370 4,960 4,450 4,010 3,610 3,240 	30° Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7 65.2 63.7 65.2 63.7 65.2 63.7 55.6	Rated Load (lbs.) 8,900 * 8,610 * 8,350 * 8,110 * 7,870 * 7,640 * 7,450 * 7,250 * 7,050 * 6,900 * 6,610 6,100 5,640 5,180 4,380 3,960	
160 40.4 2,570 44.2 2,680	Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150	Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4 52.6 50.8 48.8 46.9 44.8	 Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 8,590 7,870 7,200 6,560 6,040 5,550 5,070 4,560 4,070 3,650 3,280 	30° Boom Angle (deg.) * * * 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 65.2 63.6 61.9 65.3 55.5 54.7	Rated Load (lbs.) 19,860 * 19,220 * 18,120 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,220 7,530 6,870 6,300 5,790 5,310	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 61.9 60.3 58.7 57.0 55.4 53.7 51.8 50.1 48.2	 Offset Rated Load (lbs.) 20,800 * 20,000 * 19,200 * 19,200 * 17,630 14,130 12,760 14,130 12,760 14,130 12,760 5,600 8,750 8,020 7,360 6,720 6,170 5,680 5,220 4,730 4,230 3,810 3,410 	30' Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.6 75.1 75.6 75.6 75.6 75.1 75.6 75.6 75.1 75.6 75.6 75.6 75.1 75.6 75.6 75.6 75.6 75.6 75.6 75.7 75.6 75.6 75.6 75.6 75.6 75.6 75.7 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.8 55.8 55.8 55.8 55.4 55.4 55.4 55.4 55.455.4	Rated Load (lbs.) 15,290 * 14,770 * 14,300 * 13,840 * 13,420 * 13,420 * 11,370 10,330 9,470 8,680 8,000 7,310 6,720 6,190 5,700 5,260 4,820	Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7 56.1 54.4 52.8 51.1 49.3	 Offset Rated Load (lbs.) 18,500 17,800 17,800 15,980 14,280 12,940 14,750 10,690 9,720 8,880 8,150 7,470 6,830 6,280 5,770 5,310 4,870 4,360 3,920 3,520 3,150 	30° Boom Angle (deg.) * * * 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 62.7 61.1 59.5 57.7 56.0 54.2	Rated Load (lbs.) 11,170 10,800 10,490 9,890 9,610 9,360 8,970 8,240 7,560 6,960 6,410 5,930 5,460 5,000 4,620 4,160	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2 * 74.9 * 73.6 * 72.3 * 71.0 * 69.5 * 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2 56.6 51.1 53.5 51.9 50.2	 Offset Rated Load (lbs.) 17,000 * 16,400 * 15,800 * 15,200 * 13,980 * 13,050 11,860 10,800 9,810 8,970 8,220 7,560 6,920 6,340 5,860 5,370 4,960 4,450 4,010 3,610 3,240 2,860 	30° Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7 65.2 63.7 65.2 63.7 65.2 63.7 55.6 53.8	Rated Load (lbs.) 8,900 * 8,610 * 8,350 * 8,110 * 7,870 * 7,640 * 7,450 * 7,250 * 7,250 * 6,900 * 6,610 6,100 5,640 5,180 4,380 3,960 3,540	
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	Radius (ft.) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155	Boom Angle (deg.) 79.8 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 75.3 76.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4 57.9 56.2 54.4 57.9 56.2 54.5 57.9 57.9 57.9 56.2 54.4 57.9 57.9 56.2 54.4 57.9 57.9 56.2 54.4 57.9 57.9 56.2 54.4 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 57.9 56.2 54.4 52.6 50.8 48.8 48.8 46.9 50.8 44.8 44.8 44.8 44.8 44.8 44.8	 Offset Rated Load (lbs.) 23,360 22,830 22,150 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 8,590 7,870 7,200 6,560 6,040 5,550 5,070 4,560 4,070 3,650 3,280 2,930 	30° Boom Angle (deg.) * * * 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 65.2 63.6 61.9 65.3 55.5 54.7	Rated Load (lbs.) 19,860 * 19,220 * 18,120 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,220 7,530 6,870 6,300 5,790 5,310	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 65.0 63.5 61.9 60.3 58.7 57.0 55.4 53.7 51.8 50.1 48.2 46.3	 Offset Rated Load (lbs.) 20,800 * 20,000 * 19,200 * 19,200 * 17,630 14,130 12,760 14,130 12,760 14,130 12,760 14,130 12,760 5,600 8,750 8,020 7,360 6,720 6,170 5,680 5,220 4,730 4,230 3,810 3,410 3,060 	30' Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.1 75.6 75.6 75.1 75.6 75.6 75.6 75.1 75.6 75.6 75.1 75.6 75.6 75.6 75.1 75.6 75.6 75.6 75.6 75.6 75.6 75.7 75.6 75.6 75.6 75.6 75.6 75.6 75.7 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.8 55.8 55.8 55.8 55.4 55.4 55.4 55.4 55.455.4	Rated Load (lbs.) 15,290 * 14,770 * 14,300 * 13,840 * 13,420 * 13,420 * 11,370 10,330 9,470 8,680 8,000 7,310 6,720 6,190 5,700 5,260 4,820	Radius (ft.) 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160	Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7 56.1 54.4 52.8 51.1 49.3	 Offset Rated Load (lbs.) 18,500 17,800 17,800 15,980 14,280 12,940 14,750 10,690 9,720 8,880 8,150 7,470 6,830 6,280 5,770 5,310 4,870 4,360 3,920 3,520 3,150 	30° Boom Angle (deg.) * * * 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 62.7 61.1 59.5 57.7 56.0 54.2	Rated Load (lbs.) 11,170 10,800 10,490 9,890 9,610 9,360 8,970 8,240 7,560 6,960 6,410 5,930 5,460 5,000 4,620 4,160	Boom Angle (deg.) 80.0 78.8 77.5 * 76.2 * 74.9 * 73.6 * 72.3 * 71.0 * 69.5 * 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2 56.6 51.1 53.5 51.9 50.2	 Offset Rated Load (lbs.) 17,000 * 16,400 * 15,800 * 15,200 * 13,980 * 13,050 11,860 10,800 9,810 8,970 8,220 7,560 6,920 6,340 5,860 5,370 4,960 4,450 4,010 3,610 3,240 2,860 	30° Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7 65.2 63.7 65.2 63.7 65.2 63.7 55.6 53.8	Rated Load (lbs.) 8,900 * 8,610 * 8,350 * 8,110 * 7,870 * 7,640 * 7,450 * 7,250 * 7,250 * 6,900 * 6,610 6,100 5,640 5,180 4,380 3,960 3,540	

CK850-III Jib Rated Loads in Pounds 2 Counterweights + 2 Low Weights - Crawlers fully extended

2	Counte	rweights	+ 2 Low	Weights	 Crawle 	ers fully e	xtended										
180)' Bo	om							18	0' Bo	om						
		30)' Jib			4	0' Jib				50)' Jib			60'	Jib	
	10°	Offset	30°	° Offset	10°	Offset	30°	° Offset		10	° Offset	30	° Offset	10	° Offset	30°	Offset
Load	Boom	Rated	Boom	Rated	Boom	Rated	Boom	Rated	Load	Boom	Rated	Boom	Rated	Boom	Rated	Boom	Rated
Radius	Angle	Load	Angle	Load	Angle	Load	Angle	Load	Radius	Angle	Load	Angle	Load	Angle	Load	Angle	Load
(ft.)	(deg.)	(lbs.)	(deg.)	(lbs.)	(deg.)	(lbs.)	(deg.)	(lbs.)	(ft.)	(deg.)	(lbs.)	(deg.)	(lbs.)	(deg.)	(lbs.)	(deg.)	(lbs.)
50	78.9	19,770 *	ł						55	79.7	17,000	*					
55	77.4	19,240 *	* 79.9	19,060	* 78.7	18,500	*		60		16,400	*		79.3	15,000 *		
60	76.0	18,760 *	78.5	18,580	* 77.3	17,800	*		65	77.1	15,800	*			14,500 *		
65		17,190		17,960		17,100	* 79.1				15,200		11,300 *	1	14,000 *		
70		15,360		16,070		15,630	77.7		* 75		13,980		10,930 *	1	13,500 *		8,990 *
75		13,710		14,350		13,950	76.3		* 80		12,760		10,600 *	1	12,870		8,700 *
80		12,360		12,940		12,580	74.9		85		11,570		10,310 *	1	11,680		8,460 *
85		11,190		11,720		11,410	73.5		90		10,5 1 0		10,030 *		10,620		8,200 *
90		10,180		10,640		10,360	72.1	,	95	69.2	9,520	72.7	9,740 *	70.4	9,630		7,950 *
95	65.8	9,190	68.1	9,630	67.6	9,390	70.5	10,180	100	67.8	8,700	71.4	9,500 *	69.2	8,790		7,760 *
100	64.3	8,390	66.5	8,790	66.2	8,570	69.1	9,320	105	66.5	7,950	70.0	8,810	67.9	8,040		7,530 *
105	62.8	7,670	65.0	8,040	64.8	7,820	67.6	8,550	110	65.1	7,290	68.5	8,110	66.6	7,360		7,360 *
110	61.3	7,010	63.4	7,360	63.3	7,160	66.1	7,840	115	63.6	6,630	67.0	7,400	65.2	6,720		7,160 *
115	59.6	6,370	61.7	6,670	61.8	6,520	64.5	7,160	120	62.2	6,080	65.6	6,810	63.8	6,170		7,010 *
120	58.0	5,840	60.1	6,120	60.3	5,970	63.0	6,560	125	60.8	5,570	64.1	6,260	62.5	5,660		6,480
125	56.4	5,310	58.4	5,590	58.8	5,460	61.4	6,040	130	59.3	5,090	62.6	5,770	61.1	5,180		5,970
130	54.7	4,780	56.7	5,110	57.2	4,960	59.8	5,550	135	57.8	4,580	61.1	5,310	59.7	4,670		5,480
135	53.0	4,270	55.0	4,580	55.6	4,450	58.2	5,090	140	56.2	4,070	59.4	4,850	58.2	4,160		5,020
140	51.2	3,790	53.1	4,070	53.9	3,940	56.4	4,580	145	54.7	3,630	57.8	4,380	56.8	3,720		4,620
145	49.4	3,370	51.3	3,610	52.3	3,520	54.7	4,120	150	53.1	3,240	56.2	3,940	55.3	3,320		4,160
150	47.6	2,970			50.6	3,130	53.0	3,680	155	51.5	2,860	54.5	3,520	53.8	2,930		3,740
155	45.7	2,600			48.8	2,750			160			52.7	3,100	52.2	2,550		3,320
									165								2,950
									170							52.4	2,600
I									1								
I									1								

Boom:

Welded lattice construction using tubular, high-tensile steel Chords with pin connections between sections. Basic boom length: 40 ft (12.2 m) Max. boom length: 70 ft (21.3 m) Limit on clamshell bucket weight: 4,600 lb (2,100 kg) Optional tagline: hydraulic operated type and spring type

Boom Component Chart

Boom length ft (m)	Boom arrangement				
40 (12.2)	Base-Tip				
50 (15.2)	Base-A-Tip				
60 (18.3)	Base-A-A-Tip, Base-B-Tip				
70 (21.3)	Base-A-B-Tip				

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 conc

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 suction.

4. The combined weight of the bucket and load must not exceed these capacities.

5. Boom length for clamshell operation should not exceed 70 ft (21.3 m).

Load	40' Boom		50' Boom			60' Boom		70' Boom	
	Boom	Rated	Boom	Rated	Load	Boom	Rated	Boom	Rated
Radius	Angle	Load	Angle	Load	Radius	Angle	Load	Angle	Load
(ft)	(deg.)	(lbs)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(deg.)	(lbs)
22.0	63.6	16,000 *			30.0	64.5	16,000 *		
24.0	60.3	16,000 *			32.0	62.4	16,000 *		
26.0	56.9	16,000 *	64.2	16,000 *	34.0	60.2	16,000 *	64.8	16,000
28.0	53.4	16,000 *	61.6	16,000 *	36.0	58.0	16,000 *	63.0	16,000
30.0	49.7	16,000 *	58.9	16,000 *	38.0	55.7	16,000 *	61.1	16,000
32.0	45.7	16,000 *	56.2	16,000 *	40.0	53.3	16,000 *	59.2	16,000
34.0	41.5	16,000 *	53.3	16,000 *	42.0	50.9	16,000 *	57.3	16,000
36.0	36.9	16,000 *	50.4	16,000 *	44.0	48.3	16,000 *	55.3	15,800
38.0	31.6	16,000 *	47.3	16,000 *	46.0	45.7	16,000 *	53.3	15,600
40.0	25.5	16,000 *	44.1	16,000 *	48.0	42.9	15,200 *	51.2	15,200
42.0			40.6	16,000 *	50.0	40.0	14,500 *	49.0	14,300
44.0			36.9	16,000 *	52.0	36.9	13,600	46.8	13,600
46.0			32.8	16,000 *	54.0	33.5	13,000	44.5	13,000
48.0			28.2	15,400 *	56.0	29.8	12,300	42.1	12,300
					58.0	25.6	11,900	39.6	11,600
					60.0			36.9	11,200
					62.0			34.0	10,800
					64.0			30.9	10,100
					66.0			27.5	9,700



Note: Due to our policy of continual product improvement, all designs and specifications are subject to change without advance notice. Pictures inside this publication may show machines with optional equipment. This manual and the specifications herein were prepared for the market served by Kobelco Cranes North America Inc., including North America and Latin America. Kobelco product specifications in other world markets may differ.

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