

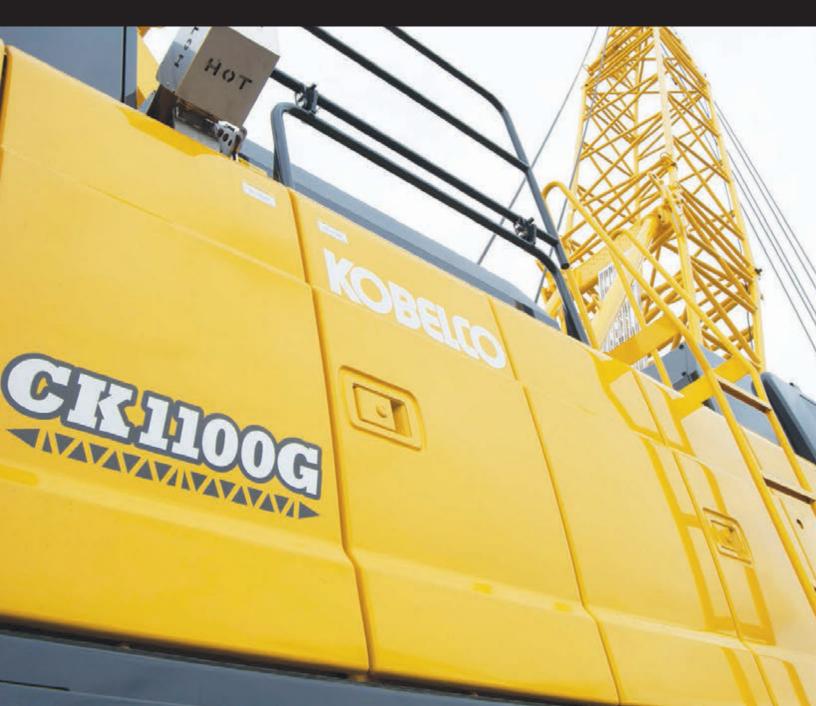


Hydraulic Crawler Crane

consolidatedcrane.com | Houston, TX | 713.641.3330



Max. Lifting Capacity : 110 US Tons Max. Crane Boom Length : 200 ft Max. Fixed Jib Combination : 190 ft + 60 ft



CK1100G Contents



390 ~ 10 ft/min (120 ~ 3 m/min)

390 ~ 10 ft/min (120 ~ 3 m/min)

230 ~ 6.6 ft/min (70 ~ 2 m/min)

230 ~ 6.6 ft/min (70 ~ 2 m/min)

General Description



Type Maximum lift capacity Basic boom length Maximum boom length Basic boom & jib length Maximum boom & jib length Working weight Ground bearing pressure Gradeability Crawler mounted, Lattice boom, Hydraulic controlled 220,000 lbs (99,800 kg) @ 11' operating radius (40' boom) 40' (12.2 m) 200' (61.0 m) 80' + 30' (24.4 m + 9.1 m) 190' + 60' (57.9 m + 18.3 m) Approx. 198,500 lbs (90,020 kg) Approx. 12.9 psi (101 kPa) 40%

Hoist line speed (front and rear drums)

Lowering line speed (front and rear drums)

Boom hoist line speed (front and rear drums)

Boom lowering line speed (front and rear drums)

4.0 rpm

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

Travel speed (high/low) 1.07/0.71 mph (1.7/1.1 km/h)

Calculations to determine working weight, ground bearing pressure, and gradeability include the weight of the upper and lower works of the crane, counterweights, and carbody weights, 40' boom and hook block.

Working Speed

Swing speed (max.)

drum.

General Dimensions

Height to top of gantry (lowered)	10'10" (3.31 m)
Width of upper machine w/operator's cab	9'10" (2.99 m)*
Radius of rear end (counterweights)	15'5" (4.70 m)
Counterweight ground clearance	3'8" (1.12 m)
Center of rotation to boom foot pin	3'7" (1.10 m)
Height from ground to boom foot pin	5'10" (1.77 m)
Height over gantry (raised)	20'4" (6.19 m)
Overall length of crawlers	20'7" (6.28 m)
Overall width of crawlers	17'2" (5.24 m)
Center to center, idler to sprocket	17'10" (5.44 m)
Shoe width	36" (0.91 m)
Ground clearance of body	15" (0.39 m)

Upper Machinery

Power Plant:		
Diesel engine - mai	ke and model	The second se
	Hino J08E-UV	
	(complies with Interim "Tier 4")	
No. of cylinders	6	
Bore X stroke	4-13/16" x 5-7/8"	
	(122 mm x 150 mm)	
Cycles	4	
Total displacement	469 cu.in. (7.684 <i>l</i>)	
Rated output SAE (GROSS	
-	285 HP / 2,100 rpm (213 kW / 2,100 min ⁻¹)	
Maximum torque	-	
-	750 lbs-ft / 1,600 rpm (1,017 Nm / 1,600 min ⁻¹)	
Starter	24 Volts / 5.0 kW	
Alternator	24 Volts / 90 Amp	
Batteries	Two 12 volt, 136 AH/5 HR capacity series connected.	
Radiator	Corrugated type core, thermostatically controlled, with	h cleanout screen.
Throttle	Twist grip type hand throttle, electrically controlled, ir	n conjunction with floor mounted pedal.
Air cleaner	Dry type with replaceable paper element.	-
Fuel tank capacity	106 US gal. (400 liters)	
Lube oil filters	Full flow and by-pass type with element type.	
Fuel filter	Replaceable paper element.	* - 10'5" wide with Catwalks or
		- 10 3 Wide With Catwarks of

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



Self Lifting Device - Standard Equipment

Counterweight and Carbody weight

ē	2 0
Counterweight Base	1 x 18,200 (8,310 kg)
Counterweight (R)	2 x 12,700 (5,750 kg)
Counterweight (L)	2 x 12,700 (5,750 kg)
Total Counterweight	69,000 (31,310 kg)

 Carbody weight
 2 x 15,900 (7,200 kg)

 Total Carbody weight
 31,800 (14,400 kg)



Hydraulic system Maximum pressure rating 4,626 psi (31.9MPa) Cooling Oil to air heat exchanger Filtration Full flow filters with replaceable paper elements Reservoir capacity 116.2 US gal. (440 liters)

Hydraulic pumps:

Load hoist, boom hoist, and propel 2 piston pumps, max flow rate

67.3 US gal/min x 2 (255 *l*/min x 2)

Swing

1 piston pump, max flow rate 46.7 US gal/min (177 *l*/min)

Control system and auxiliary

2 Gear pumps, max flow rate 16.3 US gal/min + 10.6 US gal (61.6 ℓ/min + 40.5 ℓ/min)

Brake cooling system

2 gear pumps, max flow rate 19.4 US gal/min x 2 (73.5 t/min x 2)

Gantry

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

Operators cab

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

Controls

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

Swing:

Swing unit

Hydraulic motor driving spur gears through planetary reducers to output swing pinion for 360 degree rotation.

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

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

Swing lock Manual, 4 position lock for transportation.





Line pull:

Max. line pull (single line) - 46,800 lbf (208 kN) *Rated line pull* - 25,200 lbf (112 kN)

Lower Machinery

Crawlers:

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

Crawler drive:

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

Crawler brakes:

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

Steering mechanism:

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

Crawler shoe: 66 shoes - 36" wide, each crawler.

Track rollers:

The track rollers are sealed for maintenance free operation.

Front drum:

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

Negative brake

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

Drum lock External ratchet for locking drum

Drums:

Front drum -

614 mm P.C.D. x 617 mm Lg., grooved for 26 mm wire rope. Rope capacity is 771' (235 m) working length and 1,181' (360 m) storage length.

Rear drum -

614 mm P.C.D. x 617 mm Lg., grooved for 26 mm wire rope. Rope capacity is 525' (160 m) working length and 1,181' (360 m) storage length.

3rd drum (optional) -

550 mm P.C.D. x 545 mm Lg., grooved for 22 mm wire rope. Rope capacity is 476' (145 m) working length and 1,099' (335 m) storage length.



Crane Attachments

Boom:

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

Maximum boom length Basic boom length Boom base section Boom tip section 200' (61.0 m) 40' (12.2 m) 19'7" (5.97 m) 22'8" (6.91 m)

Boom insert (optional):

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

Boom insert

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

Jib (optional):

Jib inserts are available to provide extension capabilites. 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	15'9" (4.8 m)
Jib tip section	16'5" (5.0 m)
Jib insert	10' (3.1 m), 20' (6.1 m)

Jib is useable on booms of 80' (24.4 m) through 190' (57.9 m)

Standard Equipment

Lights:

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

Gauges and warning display Gauges One (1) tachometer One (1) hour meter One (1) fuel gauge One (1) water temperature Warning display Battery charge Engine oil pressure Air cleaner Engine oil filter Control main pressure Hydraulic oil temperature DPF condition indicator

Others

Air conditioner/heater Drum turn indicator (front/rear) Foot pedal / throttle Electric transfer pump Counterweight self-removal device KCross Telematics Free fall winches

Safety Service

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



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

Boom hoist reeving: Twelve (12) parts of 5/8" (16.0 mm) diameter high strength wire rope.

Boom backstops: Telescopic type with spring bumper

> Safety Service (cont) Level indicator Boom hoist drum lock Swing locks, anti drift, and mechanical Boom backstops Boom base catwalk Upper machinery catwalk, handrails and ladder

Tools and Accessories

A set of tools and accessories are furnished.

Optional Equipment

Third drum Hook block Hook ball Auxiliary sheave Fixed jib Boom inserts Carbody erection cylinder

G-Mode

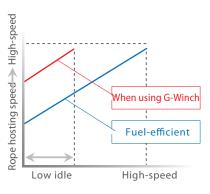
The G-modes are a standard exclusive energy and fuel saving system, with up to 30% in fuel savings. The G-Mode eliminates needless operations and engine functions allowing for reduced fuel consumption by using three basic modes that are all operator selectable.

Auto Idling Stop Mode (AIS):

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

G-Winch Mode:

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



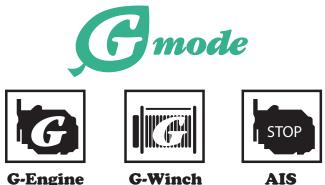
The high speed mode allows the line to be raised or lowered at maximum line speed without raising engine speed when lifting without a load.

G-Engine Mode:

An Industry First

The G-engine mode limits maximum engine speed to 1,750 RPM and controls the pumps to make engine operation in the most efficient condition.





Exhaust cleaning DPR:

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

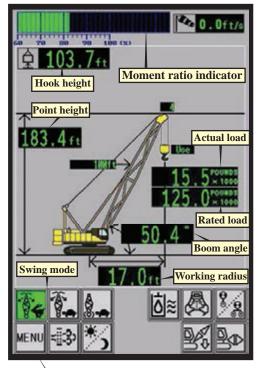
A new clean diesel system - although diesel engines consume less fuel and emit less CO2 than gasoline engines, they also emit more harmful particulate matter and nitrogen oxide (NOx). The "new clean energy system" engine utilizes a DPF to reduce particulate matter, which is also kept to a minimum using negative ions. This system requires the use of low sulfer diesel.

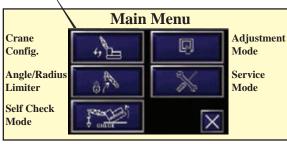
* Warning: High sulfer diesel will damage the engine.

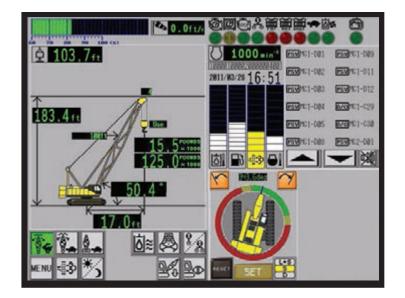
Load Moment Indicator (LMI)

The Kobelco newly designed 12" touch panel screen with sunshade and screen protector is an industry first. This intuitive and easy to understand new touch screen monitor gives the operator a full display of essential data. Universal pictograms are used providing easy visual recognition, making this new technology easy to read and understand the information. This new monitor includes: Hook Height, Engine Speed, Display Lamp of standard functions, Gauges, Over-Swing Prevention Device, Switches, and Error Messages.

Moment Limiter (Left Side)







Gauges (Right Side)

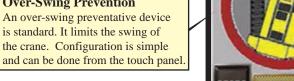
- Ph I 60 000 min PSV MC1-081 PSVMC1-D09 PSVMC1-082 PSVMC1-D11 2011/03/28 16 PSVMC1-D03 PSVMC1-D12 PSVMC1-D84 D/OMC1-C29 070MC1-C38 PSV MC1-D05 PSVMC2-001 PSV MC1-D88 R 0 -1:3>
- Display Lamp Display lamp **G-Engine** G-Winch AIS operation Slow speed state
- Remote control connection Oil cooler operation Free fall (auxiliary) Free fall (3rd)

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

Gauges Hydraulic oil temperature Fuel gauge Diesel particulate filter gauge Coolant temperature

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

Over-Swing Prevention An over-swing preventative device is standard. It limits the swing of the crane. Configuration is simple





Winch Performance Data

Note:

Line speed and line pull based on Hino J08E-UV at 2,100 rpm.

Line speed and line pull based on single line.

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

Front & Rear Drum

Wire Rope Diameter = 26 mm Rated Line Pull = 25,200 lbf (112 kN) Maximum Line Pull = 46,800 lbf (208 kN) Total Storage Capacity = 1,185 ft (361.2 m)

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

Third Drum (for Load hoist)

Wire Rope Diameter = 22 mm Rated Line Pull = 17,000 lbf (78.5 kN) Maximum Line Pull = 32,400 lbf (144 kN) Total Storage Capacity = 1,099 ft (334.9 m)

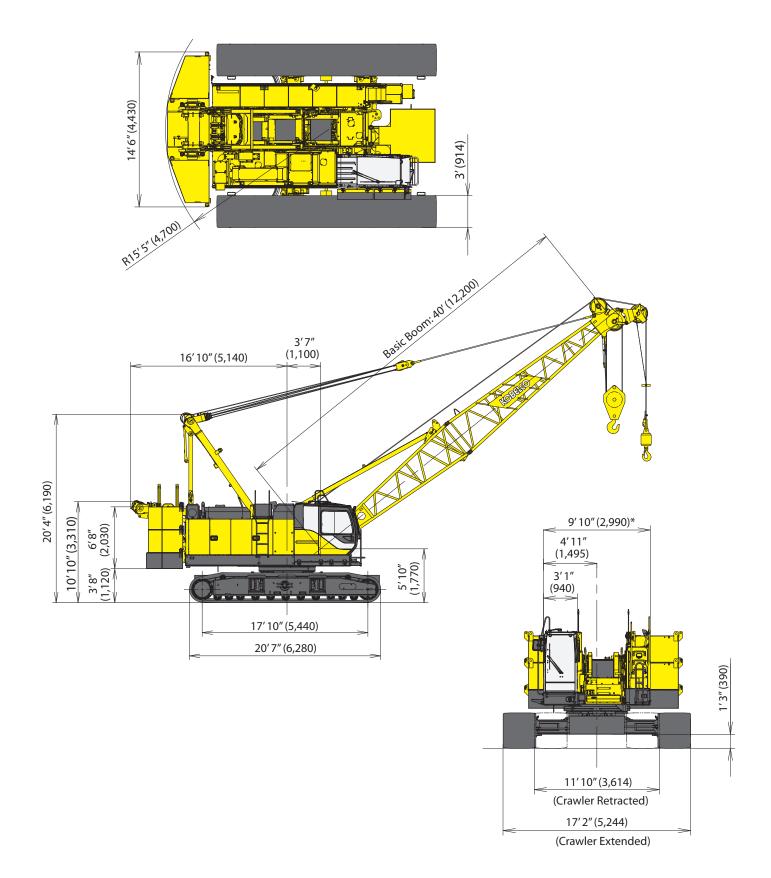
Line speed (ft/min)							
	Layer	1	2	3	4	5	6
	0	394	394	394	394	394	
	5,000	394	394	394	394	394	
	10,000	227	227	227	227	227	
Line Pull	15,000	147	152	161	170	179	storage
(lbs)	17,000	142	151	160	169	178	only
	20,000	140	149	158	167	176	
	25,000	138	147	155	164	172	
	30,000	136	144				
Storage Capacity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

Wire Rope Specifications

Use	Construction	No load diameter	Length	Safety Factor	Required minimum breaking strength
Front drum	6 x 29 Filler IWRC Right hand lay, Regular lay	1.049" to 1.070" (26.65 mm to 27.17 mm)	771ft (235 m)	3.5: 1	120,048 lbf (534 kN)
Rear drum	6 x 29 Filler IWRC Right hand lay, Regular lay	1.049" to 1.070" (26.65 mm to 27.17 mm)	525ft (160 m)	3.5: 1	120,048 lbf (534 kN)
Boom drum	6 x 31 P Warrington seal Right hand lay, Regular lay	0.646" to 0.658" (16.40 mm to 16.72 mm)	492ft (150 m)	3.5: 1	47,210 lbf (210 kN)
Third drum (Optional)	6 x 29 Filler IWRC Right hand lay, Regular lay	0.888" to 0.905" (22.55 mm to 22.99 mm)	476ft (145 m)	3.5: 1	81,606 lbf (363 kN)



General Dimensions



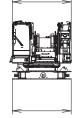
* - 10'5" wide with Catwalks on cab side only. 11' wide with Catwalks on both sides.

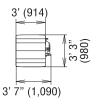
Dimensions: ft-in (mm) Weight: lbs (kg)

Dimensions and Weight

39' 8" (12,090) Base Machine - 1 10°10" (3,310) 11' (3,350) Weight: 95,200 lbs (43,150 kg) Boom base, gantry, crawlers, self removal unit, and wire ropes (front, rear, and boom hoist) 11' 10" (3,610) 26' 11" (8,210) Base Machine - 2 Weight: 90,600 lbs (41,090 kg) 10°10" (3,310) Gantry, crawlers, self removal unit, and wire ropes (front, rear, and boom hoist) 11' 10" (3,610) 26' 11" (8,210) Base Machine - 3 Weight: 88,700 lbs (40,230 kg) 10'10" (3,310) Gantry, crawlers, and wire ropes (front, rear, and boom hoist) 11' 10" (3,610) 39' 8" (12,090) 9' 10" (2,990)* Base Machine - 4 Weight: 61,500 lbs (27,880 kg) 9' 8" (2,930) Boom base, gantry, self removal unit, and wire ropes (front, rear, and boom hoist) 11' 6" (3,500)

9' 10" (2,990) *

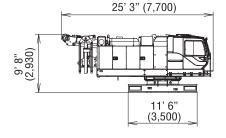


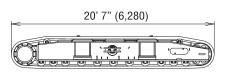


Base Machine - 5

Weight: 56,900 lbs (25,820 kg) Gantry, self removal unit, and wire ropes (front, rear, and boom hoist)

Crawler Weight: 16,850 lbs (7,640 kg)





Dimensions and Weight

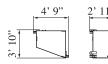
Dimensions: ft-in (mm) Weight: lbs (kg)

3' 3"

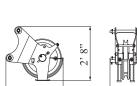


Counterweight (L)

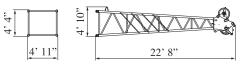
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5' 3"



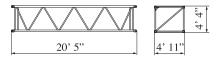
Boom Tip Weight: 2,900 lbs (1,292 kg) Includes cable roller and guy lines



2' 10"

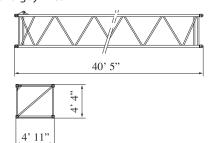
20 ft (6.1 m) Insert Boom

Weight: 1,400 lbs (613 kg) Includes cable roller and guy lines

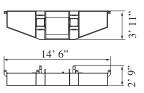


40 ft (12.2 m) Insert Boom (with lug)

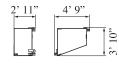
Weight: 2,500 lbs (1,113 kg) Includes cable roller and guy lines



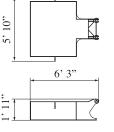
Counterweight Base Weight: 18,200 lbs (8,310 kg)



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



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



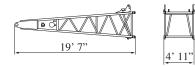
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Auxiliary Sheave Weight: 430 lbs (195 kg)

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

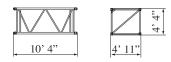
Boom Base

Weight: 3,400 lbs (1,517 kg)



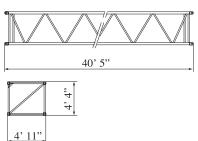
10 ft (3.0 m) Insert Boom

Weight: 800 lbs (364 kg) Includes cable roller and guy lines



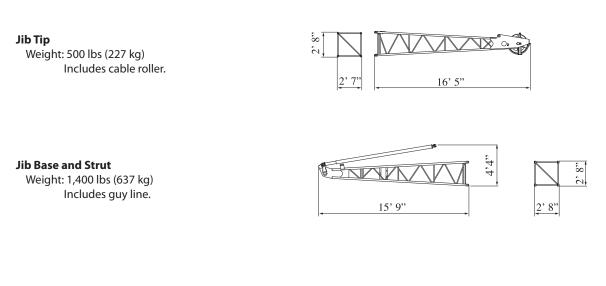
40 ft (12.2 m) Insert Boom

Weight: 2,400 lbs (1,098 kg) Includes cable roller and guy lines



Dimensions and Weight

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



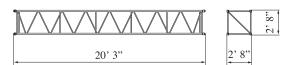
10 ft (3.0 m) Insert Jib

Weight: 280 lbs (128 kg) Includes cable roller and guy line.



20 ft (6.1 m) Jib Insert

Weight: 480 lbs (218 kg) Includes cable roller and guy line.



Transportation Plan

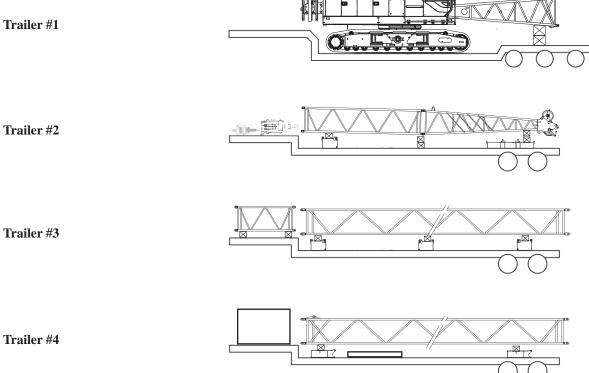
Refer to pages 10-12

Shipping plan for 150 ft Boom

Description of Hom	Wei	ght	Trailer Loads			
Description of Item	lbs	(kg)	#1	#2	#3	#4
Base Machine with Boom Base and Crawlers*	95,200	(43,150)	1			
Counterweight Base	18,200	(8,310)		1		
Counterweight (L)	12,700	(5,750)			2	
Counterweight ('R)	12,700	(5,750)		1	1	
Carbody Weight	15,900	(7,200)				2
10 ft Insert Boom and Guy Line	800	(364)			1	
20 ft Insert Boom and Guy Line	1,400	(613)		1		
40 ft Insert Boom and Guy Line	2,400	(1,098)			1	
40 ft Insert Boom (w/ Lug) and Guy Line (A)	2,500	(1,113)				1
Boom Tip and Guy Line	2,900	(1,292)		1		
Jib Base and Guy Line	1,400	(637)				
10 ft Insert Jib and Guy Line	280	(128)				
20 ft Insert Jib and Guy Line	480	(218)				
Jib Tip	500	(227)				
75 Ton Block	3,000	(1,361)		1		
13 Ton Ball	800	(365)		1		
Ladder Assembly	90	(41)				1
Support Box	5,000	(2,268)				1
Annual Total Oking		lbs	95,200	39,000	41,300	39,390
Approx. Total Shipp	ing weight	(kg)	(43,150)	(17,691)	(18,712)	(17,822

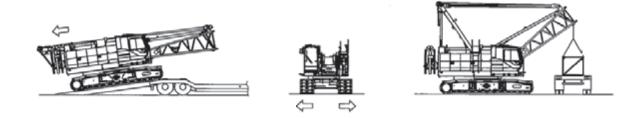
* Third drum is not included. Add 4,200 lbs if third drum is installed.

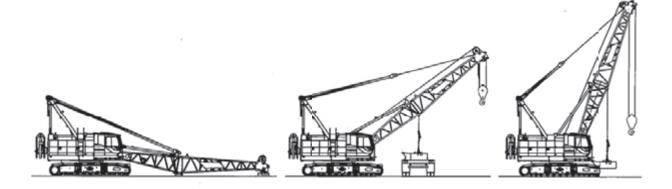
Loads for transportation were targeted at 45,000 lbs, 8' 6" wide, 48' long and 13' 6" high from ground, 48' step deck. This may vary depending on truck/trailer weight, style of trailer and state law.

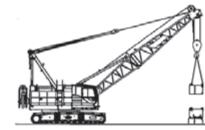


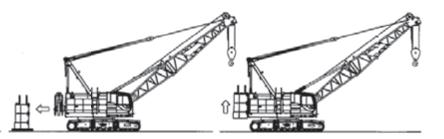


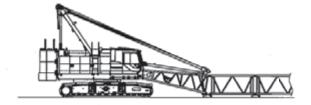
Self-Assembly Procedure

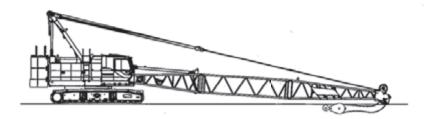




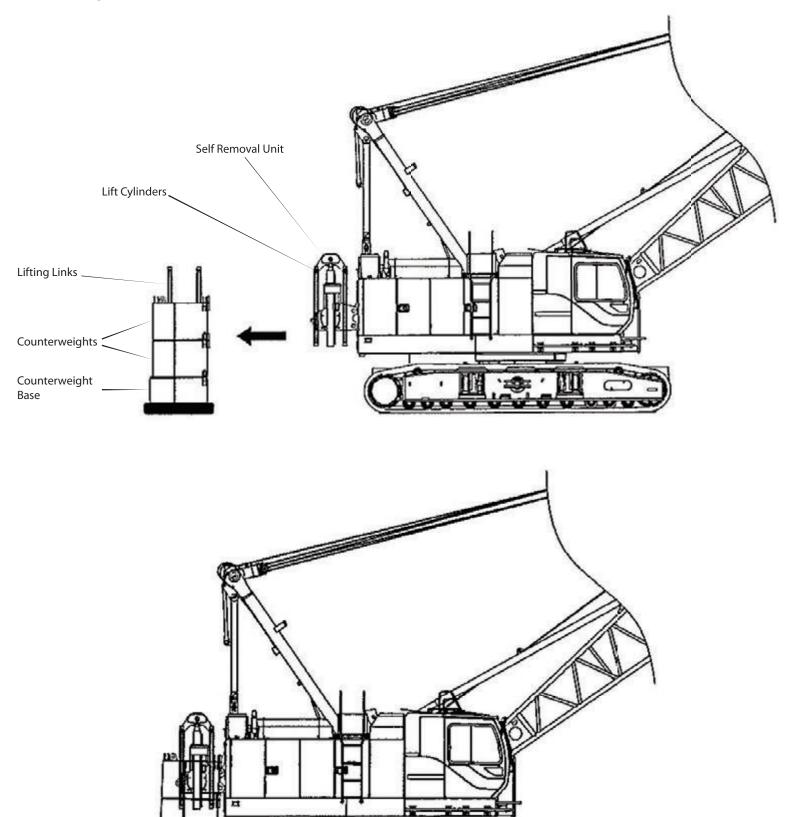








Counterweight Self-Removal Device



Boom and Fixed Jib Arrangement

Boom Arrangement

Boom length ft (m)	Boom arrangement
40 (12.2)	- BÎ
50 (15.2)	
60 (18.3)	
70 (21.3)	× = B 10 20 T
80 (24.4)	
90 (27.4)	
100 (30.5)	B 10 10 20 T B 10 10 40A T B 20 40A T
110 (33.5)	* CB 10 20 40A T
120 (36.6)	
130 (39.6)	Image: Weight of the second
140 (42.7)	Image: Weight of the second

Fixed Jib Arrangement

Fixed Jb	Crane boom length	Jib length ft (m)	Jib arrangement
		30 (9.1)	BĪ
- -	80 ft (24.4 m)	40 (12.2)	B 10
Boom	(190 ft (57.9 m)	50 (15.2)	<u>B</u> 20 T
<u> </u>	(011011)	60 (18.3)	<u> </u>

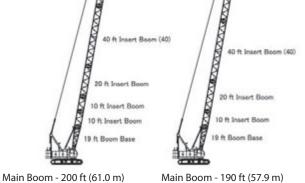
Symbol	Jib Length	Remarks
В	15 ft (4.6 m)	Jib Base
	15 ft (4.6 m)	Jib Top
10	10 ft (3.0 m)	Insert Jib
_20	20 ft (6.1 m)	Insert Jib

Boom length ft (m)	Boom arrangement
150 (45.7)	× CB 10 20 40 40A T
160 (48.8)	Image: Weight of the second
170 (51.8)	** B 10 20 20 40 40A T B 10 40 40 40A T
180 (54.9)	Image: Weight of the second
190 (57.9)	₩ <u>B</u> 10 20 40 40 40 T→
200 (61.0)	

Symbol	Boom Length	Remarks
Cymbol		
	20.0 ft (6.1 m)	Boom Base
	20.0 ft (6.1 m)	Boom Top
10	10.0 ft (3.1 m)	Insert Boom
20	20.0 ft (6.1 m)	Insert Boom
40	40.0 ft (12.2 m)	Insert Boom
40A	40.0 ft (12.2 m)	Insert Boom with lug

✓ mark shows the guy line installing position when the □xed jib is used.
 ※ indicates the most □exible combination of insert lu□ ng

booms, which can be modi ced to form all shorter luicing boom arrangements. 10 ft Jb Base 20 ft Jb Base 20 ft Jb Base 21 ft Boom Tip 40 ft Insert Boom (40A) 40 ft Insert Boom (40A) 40 ft Insert Boom (40)



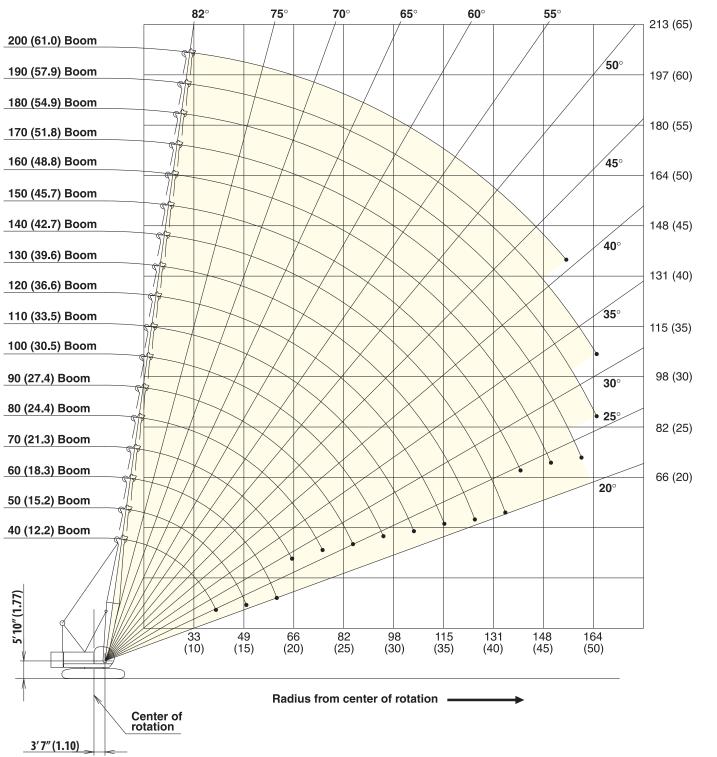
Main Boom - 190 ft (57.9 m) Fixed Jib - 60 ft (18.3 m)



Working Ranges

Main Boom

Unit : ft (m)



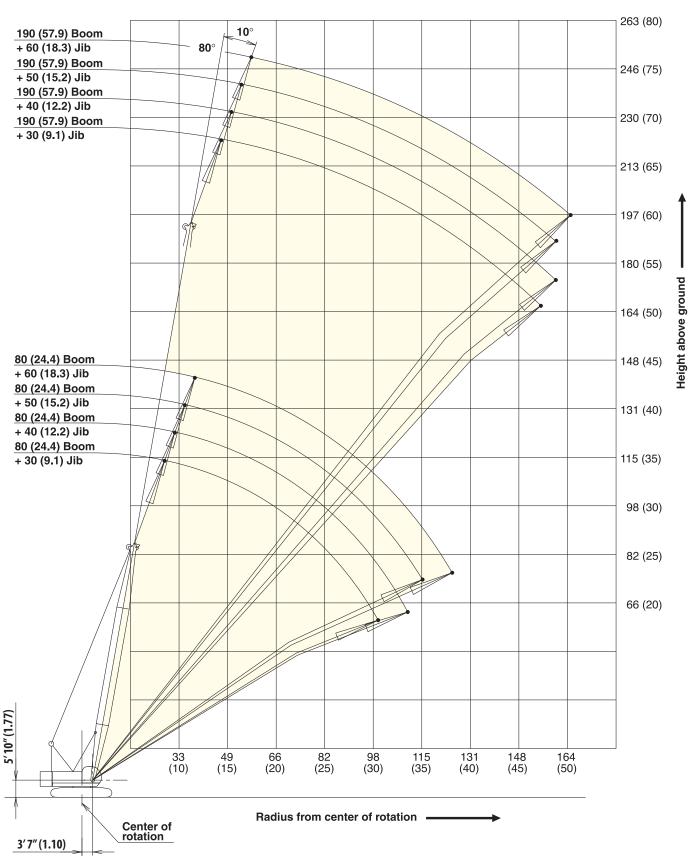
Height above ground



Unit : ft (m)

Working Ranges

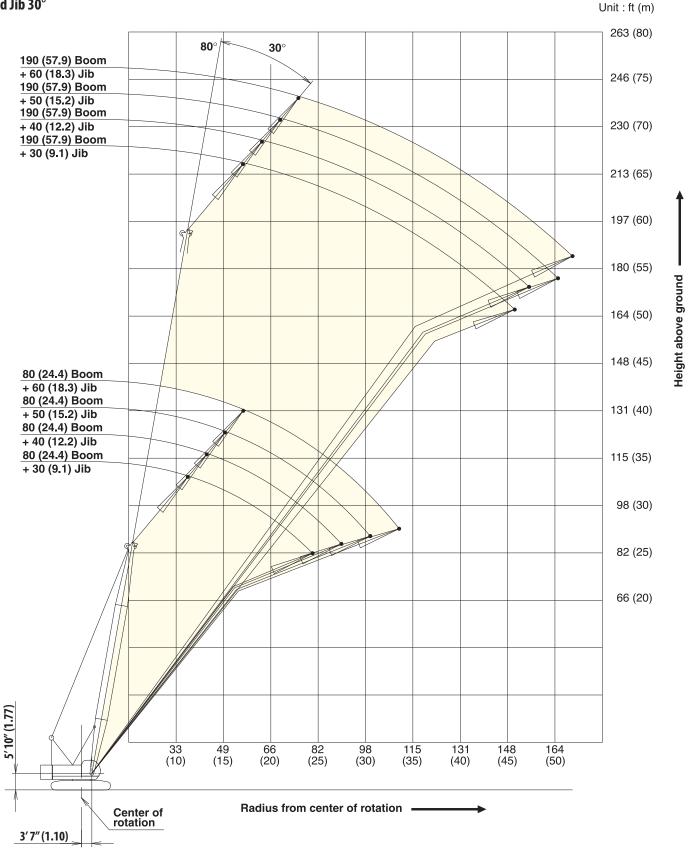
Fixed Jib 10°





Working Ranges

Fixed Jib 30°



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).
- 2. Rated loads do not exceed 75% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
- 3. The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
 - The crane must be leveled to within 1% on a firm supporting surface.
 - Boom backstops are required for all boom length.
 - Gantry must be fully raised position for all operations.
- 4. Do not attempt to lift where no radius on load is listed as crane may tip or collapse.
- 5. Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine rated loads.
- 6. Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
- 7. When lifting over boom point with jib or auxiliary sheave, rated loads for the boom must be deducted as shown below.

Jib Length	Aux Sheave	30 ft	40 ft	50 ft	60 ft
Deduct (lbs)	430	2,500	3,700	5,100	6,700

- 8. 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 190 ft (57.9 m)
- 10. The total load that can be lifted by the auxiliary sheave is the value for 430 lbs deducted from rated load for the boom (without auxiliary sheave installed); however, the auxiliary sheave rated load should not exceed 24,000 lbs.

- 11. Boom lengths that can attach 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. When lifting from or lowering to the ground the boom at length of 190 ft (57.9 m) with jib, the blocks for erections must be placed at the end of the crawlers.
- 13. Least stable position is over the side.
- 14. Maximum hoist load for number of reeving parts of line for hoist rope.

Maximum Load for Main Boom

No. of Parts of line	1	2	3	4	5
Maximum Loads (lbs)	25,200	50,400	75,600	100,800	126,000

No. of Parts of line	6	7	8
Maximum Loads (lbs)	151,200	176,400	220,000

Maximum Load for Fixed Jib

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

Maximum Load Auxiliary Sheave

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

- 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 of than that specified can reduce operating capacity.
- 16. Designed and rated to comply with ANSI Code B30.5.

Main Boom Lift Capacity

Full Counterweight: 69,000 lbs

Carbody Weight: 31,800

40)' Boo	360° Rated Load (lbs) 0.5 220,000 * 9.0 213,300 * 7.5 200,800 * 6.0 188,100 * 3.1 165,500 * 1.6 156,300 * 0.1 147,800 * 8.5 140,500 * 6.9 132,800 3.7 115,600 0.4 101,300 7.0 89,600 3.4 80,900 9.8 73,300 5.8 67,200 1.2 61,700 6.2 56,600 1.1 51,500 * 5.4 45,900 * 8 8 BOOM 360° ngle Rated Load (lbs) 1.9 125,800 * 0.7 125,800 * 0.7 125,800 *	50)' Boo	m	6)' Boo	m	70)' Boo	m	80)' Boo	m
Load	Boom	360	Load	Boom	360°	Load	Boom	360°	Load	Boom	360°	Load	Boom	360°
Radius	Angle		Radius	Angle	Rated Load	Radius	Angle	Rated Load	Radius		Rated Load	Radius	Angle	Rated Load
(ft)	(deg.)		(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)
11.0	80.5		12.0	81.2	213,200 *	13.0	81.7	200,400 *	15.0	81.3	151,000 *	16.0	81.6	151,000 *
12.0	79.0		13.0	80.0	200,600 *	14.0	80.7	187,400 *	16.0	80.4	151,000 *	17.0	80.9	149,300 *
13.0	77.5	· ·	14.0	78.9	187,800 *	15.0	79.8	175,200 *	17.0	79.6	149,400 *	18.0	80.2	146,500 *
14.0		· ·	15.0	77.7	175,600 *	16.0	78.8	164,800 *	18.0	78.7	146,700 *	19.0	79.5	139,400 *
15.0 16.0			16.0 17.0	76.6 75.4	165,300 * 156,000 *	17.0 18.0	77.8 76.8	155,500 * 146,900 *	19.0 20.0	77.9 77.1	139,800 * 132,200	20.0 22.0	78.8 77.3	131,800 115,100
17.0	71.6		18.0	74.2	147,400 *	19.0	75.9	139,800 *	22.0	75.4	115,400	24.0	75.8	101,000
18.0	70.1		19.0	72.9	140,100 *	20.0	74.9	132,200	24.0	73.7	101,300	26.0	74.3	89,200
19.0	68.5		20.0	71.7	132,400	22.0	72.9	115,100	26.0	72.0	89,600	28.0	72.8	80,500
20.0	66.9		22.0	69.3	115,300	24.0	70.9	100,800	28.0	70.3	80,800	30.0	71.2	72,800
22.0	63.7		24.0	66.8	101,000	26.0	68.8	89,100	30.0	68.5	73,000	32.0	69.7	66,600
24.0	60.4		26.0	64.3	89,400	28.0	66.7	80,500	32.0	66.7	67,000	34.0	68.2	61,600
26.0	57.0	· ·	28.0	61.7	80,700	30.0	64.6	72,800	34.0	64.9	62,000	36.0	66.6	57,300
28.0	53.4		30.0	59.1	73,000	32.0	62.5	66,600	36.0	63.0	57,800	38.0	65.1	53,100
30.0	49.8		32.0	56.3	67,000	34.0	60.3	61,600	38.0	61.2 59.3	53,600	40.0	63.5	49,300
32.0			34.0	53.4 50.3	62,000 57,800	36.0	58.0 55.7	57,300 53,100	40.0	59.3 57.3	49,800 46,900	42.0	61.8 60.2	46,600 43,800
34.0 36.0	36.2	· ·	36.0 38.0	47.3	53,600	38.0 40.0	53.4	49,300	42.0 44.0	57.5 55.3	46,900 44,100	44.0 46.0	58.5	4 3,800 41,100
38.0	31.1	· ·	40.0	44.0	49,800	42.0	50.9	46,600	46.0	53.3	41,300	48.0	56.8	39,100
40.0	25.4	· ·	42.0	40.4	47,000	44.0	48.3	43,800	48.0	51.2	39,400	50.0	55.1	37,100
			44.0	36.7	44,300	46.0	45.8	41,100	50.0	49.0	37,400	55.0	50.5	32,700
			46.0	32.9	41,500	48.0	42.8	39,200	55.0	43.2	33,200	60.0	45.7	29,200
			48.0	27.6	38,300	50.0	39.9	37,200	60.0	36.9	29,600	65.0	40.4	26,300
			50.0	22.3	35,100	55.0	31.2	32,900	65.0	29.2	26,800	70.0	34.3	24,100
						60.0	20.7	28,600 *				75.0	26.9	22,100
Ree	ves	8	Ree	ves	8	Ree	ves	8	Ree	ves	6	Ree	ves	6
)' Boo			0' Boo			0' Boo			0' Boo			0' Boo	
Load	Boom	360°	Load	Boom	360°	Load	Boom	36 <i>0</i> °	Load	Boom	36 <i>0</i> °	Load	Boom	360°
Load Radius	Boom Angle	360° Rated Load	Load Radius	Boom Angle	360° Rated Load	Load Radius	Boom Angle	360 [°] Rated Load	Load Radius	Boom Angle	360° Rated Load	Load Radius	Boom Angle	360° Rated Load
Load Radius (ft)	Boom Angle (deg.)	360 [°] Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	360 [°] Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	360 [°] Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 [°] Rated Load (lbs)
Load Radius (ft)	Boom Angle (deg.) 81.9	360° Rated Load (lbs) 125,800 *	Load Radius (ft) 19.0	Boom Angle (deg.) 81.6	360° Rated Load (lbs) 125,600 *	Load Radius (ft) 20.0	Boom Angle (deg.) 81.8	360° Rated Load (lbs) 100,800 *	Load Radius (ft) 22.0	Boom Angle (deg.) 81.6	360 [°] Rated Load (lbs) 98,700 *	Load Radius (ft) 24.0	Boom Angle (deg.) 81.3	360° Rated Load (lbs) 85,100 *
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 *	Load Radius (ft)	Boom Angle (deg.) 81.6 81.0 79.9	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 *	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (Ibs) 100,800 * 100,800 * 96,500 *	Load Radius (ft) 22.0 24.0 26.0	Boom Angle (deg.) 81.6 80.6 79.6	360° Rated Load (Ibs) 98,700 * 94,200 * 88,000 *	Load Radius (ft)	Boom Angle (deg.) 81.3 80.4 79.5	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 *
Load Radius (ft) 17.0 18.0 19.0 20.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 *	Load Radius (ft) 19.0 20.0 22.0 24.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600	Load Radius (ft) 20.0 22.0 24.0 26.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6	360° Rated Load (Ibs) 100,800 * 100,800 * 96,500 * 88,500 *	Load Radius (ft) 22.0 24.0 26.0 28.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6	360° Rated Load (Ibs) 98,700 * 94,200 * 88,000 * 79,900	Load Radius (ft) 24.0 28.0 30.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6	360° Rated Load (Ibs) 85,100 * 83,900 * 78,200 * 71,900
Load Radius (ft) 17.0 18.0 19.0 20.0 22.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7	360° Rated Load (Ibs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 *	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5	360° Rated Load (Ibs) 125,600 * 123,600 * 112,200 * 100,600 88,900	Load Radius (ft) 20.0 22.0 24.0 26.0 28.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6	360° Rated Load (Ibs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200	Load Radius (ft) 22.0 24.0 26.0 28.0 30.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7	360° Rated Load (Ibs) 98,700 * 94,200 * 88,000 * 79,900 72,200	Load Radius (ft) 24.0 28.0 30.0 32.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7	360° Rated Load (Ibs) 85,100 * 83,900 * 78,200 * 71,900 65,900
Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4	360° Rated Load (Ibs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3	360° Rated Load (Ibs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200	Load Radius (ft) 20.0 22.0 24.0 26.0 28.0 30.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5	360° Rated Load (Ibs) 100,800 * 96,500 * 88,500 * 88,500 72,400	Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9	360° Rated Load (Ibs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900
Load Radius (ft) 17.0 18.0 19.0 20.0 22.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7	360° Rated Load (Ibs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 *	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5	360° Rated Load (Ibs) 125,600 * 123,600 * 112,200 * 100,600 88,900	Load Radius (ft) 20.0 22.0 24.0 26.0 28.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6	360° Rated Load (Ibs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200	Load Radius (ft) 22.0 24.0 26.0 28.0 30.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7	360° Rated Load (Ibs) 98,700 * 94,200 * 88,000 * 79,900 72,200	Load Radius (ft) 24.0 28.0 30.0 32.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7	360° Rated Load (Ibs) 85,100 * 83,900 * 78,200 * 71,900 65,900
Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0	Boom Angle (deg.) 81.9 80.7 80.0 78.7 77.4 76.1 74.8 73.5	360° Pated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800	Load Radius (ft) 19.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8	360° Pated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300	Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 32.0 34.0 36.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2	360° Pated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 88,500 * 88,200 72,400 66,300 61,300 57,000	Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 38.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 73.7	360° Pated Load (Ibs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500	Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.9 75.0 74.1	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400
Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0	Boom Angle (deg.) 81.9 81.3 80.7 80.7 80.0 78.0 77.4 76.1 76.1 74.8 73.5 72.1	360° Pated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600	Load Radius (ft) 19.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 36.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 7 7.5 76.3 75.1 74.0 72.8 71.6	360° Pated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000	Load Radius (ft) 20.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 73.2	360° Pated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 52,700	Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 38.0 40.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 75.7 76.7 75.7 74.7 73.7 72.7	360° Pated Load (Ibs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700	Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600
Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1 70.8	360° Pated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600	Load Radius (ft) 19.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 75.5 76.3 75.1 74.0 72.8 71.6 70.3	360° Rated Load (Ibs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700	Load Radius (ft) 20.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 76.5 75.4 74.3 73.2 72.2 71.1	360° Rated Load (Ibs) 100,800 * 96,500 * 88,500 * 88,500 * 80,200 72,400 66,300 61,300 61,300 57,000 52,700 48,900	Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 76.7 74.7 73.7 72.7 71.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 61,100 52,500 48,700 45,800	Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800
Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0	Boom Angle (deg.) 81.9 81.9 81.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1 70.8 69.4	360° Rated Load (Ibs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300	Load Radius (ft) 19.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	Boom Angle (deg.) 81.6 81.0 79.9 7 8.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1	360° Rated Load (Ibs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700 48,900	Load Radius (ft) 20.0 22.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	Boom Angle (deg.) 81.8 80.9 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0	360° Rated Load (Ibs) 100,800 * 96,500 * 88,500 * 88,500 * 80,200 72,400 66,300 61,300 61,300 57,000 52,700 48,900 48,900	Load Radius (ft) 22.0 26.0 28.0 30.0 32.0 34.0 34.0 36.0 38.0 40.0 42.0 44.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 73.7 72.7 71.7 70.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700 45,800 43,000	Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 44.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.9 75.0 74.1 73.2 72.2 71.3	360° Rated Load (/bs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000
Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1 70.8	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100	Load Radius (ft) 19.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 75.5 76.3 75.1 74.0 72.8 71.6 70.3	360° Rated Load (/bs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 61,300 57,000 52,700 48,900 46,200	Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 71.1 70.0 68.9	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 88,200 72,400 66,300 61,300 61,300 57,000 52,700 48,900 46,200 43,400	Load Radius (ft) 22.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 44.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 76.7 74.7 73.7 72.7 71.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700 45,800 43,000 40,200	Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4	360° Rated Load (lbs) 85,100 * 85,100 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 48,400 45,600 42,800 40,000 38,000
Load Radius (ft) 17.0 18.0 19.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 36.0 38.0 40.0 42.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1 70.8 69.4 68.0 66.6 65.2	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500	Load Radius (ft) 19.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4	360° Rated Load (lbs) 125,600 * 123,600 * 123,600 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 57,000 57,000 48,900 48,900 46,200 43,400 40,700	Load Radius (ft) 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 44.0 44.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 71.1 70.0 68.9 68.9 67.8 66.6	360° Rated Load (lbs) 100,800 * 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 48,900 46,200 43,400 40,700 38,700	Load Radius (ft) 22.0 24.0 28.0 38.0 38.0 34.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7 76.7 73.7 72.7 71.7 70.7 69.7 68.6 67.6	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700 45,800 45,800 43,000 38,300 36,300	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 55.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600
Load Radius (ft) 17.0 18.0 19.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 36.0 38.0 40.0 42.0 44.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 76.1 74.8 73.5 72.1 70.8 69.4 68.0 66.6 65.2 63.8	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500 43,700	Load Radius (ft) 19.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 38.0 40.0 42.0 44.0 46.0 48.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1	360° Rated Load (lbs) 125,600 * 123,600 * 123,600 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700 48,900 48,900 43,400 40,700 38,700	Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 44.0 45.0 50.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 71.1 70.0 68.9 67.8 66.6 65.4	360° Rated Load (lbs) 100,800 * 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 38,700 36,600	Load Radius (ft) 22.0 24.0 28.0 38.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 55.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7 76.7 71.7 71.7 71.7 70.7 69.7 68.6 67.6 65.0	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700 45,800 43,000 40,200 38,300 32,000	Load Radius (ft) 24.0 28.0 32.0 32.0 34.0 36.0 40.0 42.0 44.0 44.0 46.0 55.0 55.0 60.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 28,100
Load Radius (ft) 17.0 18.0 19.0 20.0 24.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0	Boom Angle (deg.) 81.9 81.3 80.7 80.7 80.7 77.4 76.1 77.4 76.1 77.4 76.1 77.4 76.1 76.8 69.4 69.4 69.4 65.2 63.8 62.4	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500 40,900	Load Radius (ft) 19.0 22.0 24.0 24.0 28.0 30.0 32.0 34.0 38.0 40.0 38.0 40.0 44.0 44.0 44.0 48.0 50.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1 62.8	360° Rated Load (lbs) 125,600 * 123,600 * 123,600 * 123,600 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700 48,900 48,900 46,200 43,400 40,700 38,700 36,600	Load Radius (ft) 20.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 46.0 55.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 71.1 70.0 68.9 67.8 66.6 65.4 62.5	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 38,700 36,600 32,300	Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 38.0 40.0 42.0 44.0 46.0 45.0 55.0 60.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7 76.7 73.7 76.7 71.7 70.7 69.7 68.6 67.6 65.0 62.3	360° Rated Load (Ibs) 98,700 * 94,200 * 88,000 * 79,900 66,100 61,100 56,800 52,500 48,700 45,800 43,000 40,200 38,300 36,300 32,000 28,300	Load Radius (ft) 24.0 28.0 32.0 32.0 34.0 36.0 38.0 40.0 40.0 40.0 44.0 46.0 46.0 55.0 60.0 65.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 62.2	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 60,900 56,600 52,300 48,400 42,800 42,800 40,000 38,000 36,000 31,600 25,200
Load Radius (ft) 17.0 18.0 19.0 20.0 24.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.5 73.5 72.1 70.8 69.4 68.0 66.6 65.2 63.8 62.4 60.9	360° Rated Load (Ibs) 125,800 * 125,800 * 125,800 * 125,800 * 12,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 40,500 43,700 40,900 38,900	Load Radius (ft) 19.0 22.0 24.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0 44.0 46.0 48.0 50.0 55.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 76.3 75.1 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 65.4 65.4 64.1 62.8 59.5	360° Rated Load (Ibs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 48,900 46,200 48,900 35,700 38,700 36,600 32,300	Load Radius (ft) 20.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 55.0 60.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 67.8 66.6 65.4 62.5 59.5	360° Rated Load (Ibs) 100,800 * 96,500 * 88,500 * 88,500 * 80,200 72,400 66,300 61,300 61,300 52,700 48,900 46,200 43,400 40,700 36,600 32,300 28,700	Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 38.0 40.0 42.0 44.0 44.0 46.0 45.0 55.0 60.0 65.0	Boom Angle (deg.) 81.6 80.6 79.6 78.7 77.7 76.7 75.7 76.7 73.7 72.7 71.7 70.7 69.7 69.7 69.7 69.6 67.6 65.0 62.3 59.6	360° Rated Load (Ibs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 66,100 61,100 52,500 48,700 45,800 43,000 45,800 43,000 38,300 32,000 28,300 25,400	Load Radius (ft) 24.0 28.0 32.0 32.0 34.0 36.0 38.0 40.0 44.0 48.0 55.0 60.0 65.0 60.0 65.0 70.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6	360° Rated Load (Ibs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 28,100 25,200 22,900
Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 45.0 50.0	Boom Angle (deg.) 81.9 81.3 80.7 80.7 80.7 77.4 76.1 77.4 76.1 77.4 76.1 77.4 76.1 76.8 69.4 69.4 69.4 65.2 63.8 62.4	360° Rated Load (Ibs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 40,500 43,700 40,900 38,900 36,900	Load Radius (ft) 19.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0	Boom Angle (deg.) 81.6 81.0 77.5 76.3 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1 62.8 59.5 56.1	360° Rated Load (Ibs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 36,600 32,300 28,700	Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 34.0 34.0 38.0 34.0 38.0 40.0 44.0 48.0 55.0 60.0 65.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 67.8 66.6 65.4 65.5 59.5 56.5	360° Rated Load (Ibs) 100,800 * 100,800 * 96,000 * 88,500 * 88,500 * 80,200 72,400 66,300 61,300 61,300 61,300 57,000 52,700 48,900 48,900 43,400 40,700 38,700 36,600 32,300 28,700 25,900	Load Radius (ft) 22.0 26.0 28.0 30.0 32.0 34.0 34.0 36.0 34.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 55.0 60.0 57.0	Boom Angle (deg.) 81.6 80.6 79.6 77.7 76.7 75.7 76.7 74.7 75.7 74.7 72.7 71.7 70.7 69.7 68.6 67.6 65.0 62.3 59.6 56.8	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700 45,800 43,000 40,200 38,300 36,300 32,000 28,300 25,400 23,200	Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 48.0 55.0 60.0 65.0 65.0 65.0 65.0 70.0 75.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.9 75.0 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 69.4 62.2 59.6 57.0	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 31,600 28,100 25,200 22,900 20,900
Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 45.0 55.0 60.0	Boom Angle (deg.) 81.9 81.3 80.7 78.7 77.4 76.1 74.8 73.5 72.1 70.8 69.4 65.2 63.8 62.4 65.2 63.8 62.4 65.2 59.4 55.7 51.7	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500 43,700 40,900 38,900 36,900 32,500 29,000	Load Radius (ft) 19.0 22.0 24.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0 44.0 46.0 48.0 50.0 55.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 65.4 65.4 65.4 65.4 65.5 56.1 52.5 48.8	360° Rated Load (lbs) 125,600 * 123,600 * 123,600 * 100,600 88,900 80,200 72,400 66,300 66,300 61,300 61,300 57,000 57,000 48,900 46,200 48,900 46,200 43,400 40,700 36,600 32,300 28,700 25,900 23,500	Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 34.0 36.0 34.0 36.0 34.0 44.0 44.0 44.0 48.0 55.0 60.0 65.0 65.0 77.0 75.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 67.8 66.6 65.4 62.5 59.5 56.5 53.2 49.9	360° Rated Load (lbs) 100,800 * 96,500 * 88,500 * 88,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 38,700 36,600 32,300 28,700 25,900 23,500 21,400	Load Radius (ft) 22.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 44.0 46.0 44.0 50.0 55.0 60.0 65.0 70.0 80.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 73.7 72.7 71.7 70.7 69.7 68.6 67.6 65.0 62.3 50.8 50.8	360° Rated Load (lbs) 98,700 * 94,200 * 94,200 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700 48,700 48,700 43,000 40,200 38,300 36,300 32,000 28,300 25,400 23,200 21,200 19,400	Load Radius (ft) 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 48.0 55.0 60.0 65.0 60.0 65.0 75.0 80.0 85.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 62.2 57.0 57.0 57.0 57.0	360° Rated Load (Ibs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 28,100 25,200 22,900
Load Radius (ft) 17.0 18.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0	Boom Angle (deg.) 81.9 81.3 80.7 78.7 77.4 76.1 74.8 73.5 72.1 70.8 69.4 68.0 65.2 63.8 62.4 65.2 63.8 62.4 65.2 55.7 51.7 47.4	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 61,600 61,600 57,300 53,100 49,300 46,500 43,700 40,900 38,900 32,500 29,000 26,100	Load Radius (ft) 19.0 22.0 24.0 24.0 26.0 30.0 32.0 34.0 36.0 34.0 36.0 34.0 36.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 55.0 65.0 70.0 75.0	Boom Angle (deg.) 81.6 81.0 77.5 76.3 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1 62.8 59.5 56.1 52.5 48.8 44.8	360° Rated Load (lbs) 125,600 * 123,600 * 123,600 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 57,000 48,900 46,200 48,900 46,200 43,400 40,700 38,700 36,600 32,300 25,900 23,500 21,400	Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 44.0 44.0 55.0 60.0 65.0 60.0 65.0 70.0 75.0 80.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 67.8 66.6 65.4 62.5 59.5 56.5 56.5 53.2 49.9 46.4	360° Rated Load (lbs) 100,800 * 100,800 * 100,800 * 96,500 * 88,500 * 88,500 * 88,200 61,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 38,700 32,300 28,700 23,500 21,400 19,600	Load Radius (ft) 22.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 46.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 70.0 85.0 85.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 73.7 72.7 71.7 70.7 69.7 68.6 67.6 65.0 62.3 59.6 55.8 53.8 50.8 47.7	360° Rated Load (lbs) 98,700 * 94,200 * 94,200 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700 45,800 43,000 40,200 38,300 36,300 32,000 28,300 25,400 23,200 21,200 19,400 17,700	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 55.0 60.0 65.0 60.0 65.0 75.0 80.0 85.0 90.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 64.6 62.2 57.0 57.0 57.0 57.0 51.6 48.7	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 25,200 22,900 20,900 19,000 17,500 16,100
Load Radius (ft) 17.0 18.0 19.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0	Boom Angle (deg.) 81.9 81.3 80.7 78.0 78.7 77.4 76.1 74.8 73.5 72.1 70.8 69.4 68.0 66.6 65.2 63.8 62.4 62.4 62.4 63.8 62.4 65.2 51.7 51.7 47.4 42.9	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 49,300 40,900 38,900 36,900 32,500 29,000 26,100 23,800	Load Radius (ft) 19.0 22.0 24.0 24.0 30.0 32.0 34.0 38.0 40.0 38.0 42.0 44.0 46.0 48.0 55.0 60.0 55.0 60.0 775.0 80.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 66.6 65.4 64.1 62.8 59.5 56.1 52.5 56.1 54.8 44.8 40.5	360° Rated Load (lbs) 125,600 * 123,600 * 123,600 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700 48,900 48,900 48,900 43,400 40,700 38,700 36,600 32,300 25,900 23,500 21,400 19,600	Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 44.0 44.0 55.0 60.0 65.0 70.0 85.0 85.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 71.1 70.0 68.9 67.8 66.6 65.4 62.5 59.5 56.5 59.5 56.5 54.9 946.4 42.6	360° Rated Load (lbs) 100,800 * 100,800 * 100,800 * 96,500 * 88,500 72,400 66,300 61,300 57,000 52,700 48,900 46,200 48,900 46,200 48,900 36,600 32,300 25,900 23,500 21,400 19,600 18,100	Load Radius (ft) 22.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 46.0 46.0 55.0 60.0 65.0 75.0 60.0 65.0 70.0 75.0 85.0 90.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 73.7 74.7 73.7 72.7 71.7 76.7 69.7 68.6 67.6 65.0 62.3 59.6 50.8 53.8 53.8 50.8 47.7 44.3	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 88,000 * 79,900 66,100 61,100 56,800 52,500 48,700 45,800 45,800 45,800 43,000 36,300 32,000 28,300 25,400 23,200 21,200 19,400 17,700 16,500	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 48.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 69.4 67.1 64.6 62.2 59.6 57.0 54.3 51.6 48.7 45.6	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 28,100 25,200 20,900 19,000 17,500 16,100 15,000
Load Radius (ft) 17.0 18.0 19.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 76.1 74.8 73.5 72.1 70.8 69.4 68.0 66.6 65.2 63.8 62.4 65.2 63.8 62.4 62.4 65.2 59.4 59.4 59.4 51.7 51.7 47.4 42.9 37.9	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 100,800 89,100 80,500 72,800 66,600 61,600 61,600 57,300 65,7,300 49,300 49,300 40,900 38,900 36,900 36,900 29,000 26,100 23,800 21,800	Load Radius (ft) 19.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 38.0 40.0 44.0 46.0 48.0 55.0 60.0 55.0 60.0 75.0 80.0 85.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 63.7 6 7.9 66.6 65.4 64.1 62.8 59.5 56.1 52.5 56.1 52.8 54.8 54.8 54.8 54.8 54.8 55.1 56.1 56.1 56.1 56.1 56.1 57.5 56.1 57.5 57.5 57.1 57.5 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.157.1 57.1 57.157.1 57.1 57.157.1 57.15	360° Rated Load (lbs) 125,600 * 123,600 * 123,600 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700 48,900 43,400 40,700 38,700 36,600 32,300 25,900 23,500 21,400 19,600 18,100	Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0 75.0 88.0 85.0 90.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 71.1 70.0 68.9 67.8 66.6 65.4 62.5 59.5 56.5 59.5 56.5 53.2 49.9 46.4 42.6 38.6	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 88,500 72,400 66,300 61,300 57,000 52,700 48,900 46,200 48,900 46,200 48,900 36,600 32,300 25,900 23,500 21,400 19,600 18,100 16,800	Load Radius (ft) 22.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 42.0 44.0 46.0 50.0 55.0 60.0 65.0 70.0 75.0 85.0 85.0 90.0 95.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7 76.7 71.7 71.7 71.7 70.7 69.7 68.6 67.6 65.0 62.3 59.6 56.8 53.8 50.8 53.8 53.8 53.8 54.7 74.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700 45,800 45,800 43,000 40,200 38,300 36,300 32,000 28,300 25,400 23,200 21,200 19,400 17,700 16,500 15,300	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 44.0 48.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 69.4 67.1 64.6 62.2 59.6 57.0 51.6 48.7 45.6 42.4	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 25,200 20,900 19,000 17,500 16,100 15,000 14,000
Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	Boom Angle (deg.) 81.9 81.9 80.7 78.7 77.4 76.1 74.8 73.5 72.1 70.8 69.4 68.0 66.6 65.2 63.8 62.4 60.9 59.4 55.7 51.7 47.4 22.9 37.9 32.2	360° Rated Load (Ibs) 125,800 * 125,800 * 125,800 * 125,800 * 125,800 * 125,800 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 40,900 38,900 36,900 32,500 29,000 26,100 23,800 21,800 20,100	Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 55.0 60.0 55.0 60.0 55.0 60.0 55.0 85.0 90.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 65.4 65.4 65.4 65.4 65.4 65.4 65.4 65.4	360° Rated Load (Ibs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 61,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 38,700 36,600 32,300 28,700 23,500 21,400 19,600 18,100 16,900	Load Radius (ft) 20.0 24.0 28.0 30.0 32.0 34.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 67.8 66.6 65.4 62.5 59.5 56.5 59.5 56.5 59.5 56.5 53.2 49.9 46.4 42.6 38.6 34.1	360° Rated Load (Ibs) 100,800 * 100,800 * 96,500 * 88,500 * 88,500 * 80,200 72,400 66,300 61,300 61,300 52,700 48,900 46,200 43,400 40,700 36,600 32,300 25,900 23,500 21,400 19,600 16,800 15,600	Load Radius (ft) 22.0 24.0 28.0 30.0 32.0 34.0 34.0 34.0 34.0 42.0 44.0 46.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 80.0 85.0 90.0 95.0 100.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 73.7 71.7 70.7 69.7 69.7 69.7 69.7 69.6 50.8 55.8 50.8 50.8 50.8 50.8 50.8 50.8	360° Rated Load (Ibs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700 45,800 43,000 45,800 43,000 38,300 32,000 28,300 25,400 23,200 21,200 19,400 17,700 16,500 15,300 14,200	Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 48.0 50.0 50.0 60.0 65.0 70.0 75.0 80.0 85.0 95.0 95.0 100.0 110.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.9 75.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 69.4 62.2 59.6 57.0 51.6 48.7 51.6 48.7 45.6 48.7 45.6	360° Rated Load (Ibs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 31,600 28,100 25,200 22,900 20,900 19,000 17,500 16,100 15,000 14,000 12,100
Load Radius (ft) 17.0 18.0 19.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 76.1 76.1 74.8 73.5 72.1 70.8 69.4 68.0 65.2 63.8 65.2 63.8 62.4 65.2 63.8 62.4 65.2 63.8 62.4 65.2 59.4 55.7 51.7 47.4 42.9 37.9	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 100,800 89,100 80,500 72,800 66,600 61,600 61,600 57,300 65,600 49,300 49,300 49,300 40,900 38,900 36,900 36,900 29,000 26,100 23,800 21,800	Load Radius (ft) 19.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 38.0 40.0 44.0 46.0 48.0 55.0 60.0 55.0 60.0 75.0 80.0 85.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 63.7 6 7.9 66.6 65.4 64.1 62.8 59.5 56.1 52.5 56.1 52.8 54.8 54.8 54.8 54.8 54.8 55.1 56.1 56.1 56.1 56.1 56.1 57.5 56.1 57.5 57.5 57.1 57.5 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.1 57.157.1 57.1 57.157.1 57.157.1 57.157.157	360° Rated Load (lbs) 125,600 * 123,600 * 123,600 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 38,700 36,600 32,300 25,900 23,500 21,400 19,600 18,100	Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0 75.0 88.0 85.0 90.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 71.1 70.0 68.9 67.8 66.6 65.4 62.5 59.5 56.5 59.5 56.5 53.2 49.9 46.4 42.6 38.6	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 88,500 72,400 66,300 61,300 57,000 52,700 48,900 46,200 48,900 46,200 48,900 36,600 32,300 25,900 23,500 21,400 19,600 18,100 16,800	Load Radius (ft) 22.0 24.0 28.0 38.0 33.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0 55.0 60.0 65.0 70.0 75.0 85.0 85.0 90.0 95.0	Boom Angle (deg.) 81.6 80.6 79.6 77.7 76.7 75.7 74.7 75.7 74.7 71.7 70.7 69.7 69.7 68.6 67.6 62.3 59.6 56.8 50.8 50.8 50.8 47.7 44.3 40.7 36.9 27.8	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700 45,800 45,800 43,000 40,200 38,300 36,300 32,000 28,300 25,400 23,200 21,200 19,400 17,700 16,500 15,300	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 44.0 48.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 69.4 67.1 64.6 62.2 59.6 57.0 51.6 48.7 45.6 42.4	360° Rated Load (lbs) 85,100 * 83,900 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 25,200 20,900 19,000 19,000 16,100 15,000 14,000

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

Refer to notes on page 20.

Main Boom Lift Capacity

Full Counterweight: 69,000 lbs

Carbody Weight: 31,800

14	0' Boo	om	15	0' Boo	om	16	0' Boo	om	17	0' Boo	om	18	0' Boo	om
Load	Boom	360 [°]	Load	Boom	360 [°]	Load	Boom	360 [°]	Load	Boom	360 [°]	Load	Boom	360 [°]
Radius (ft)	Angle (deg.)	Rated Load (lbs)	Radius (ft)	Angle (deg.)	Rated Load (lbs)	Radius (ft)	Angle (deg.)	Rated Load (lbs)	Radius (ft)	Angle (deg.)	Rated Load (lbs)	Radius (ft)	Angle (deg.)	Rated Load (lbs)
24.0	81.9	72,900 *	26.0	81.7	62,200 *	28.0	81.5	50,200 *	30.0	81.3	44,500 *	30.0	81.8	39,300 *
26.0	81.1	71,800 *	28.0	80.9	61,300 *	30.0	80.8	50,100 *	32.0	80.7	43,900 *	32.0	81.2	38,800 *
28.0 30.0	80.3 79.4	70,800 * 69,000 *	30.0 32.0	80.1 79.4	60,400 * 59,400 *	32.0 34.0	80.1 79.4	49,700 * 49,200 *	34.0 36.0	80.0 79.3	43,200 * 42,500 *	34.0 36.0	80.5 79.9	38,200 * 37,600 *
32.0	78.6	64,700 *	34.0	78.6	57,200 *	36.0	78.6	48,500 *	38.0	78.6	41,900 *	38.0	79.2	37,000 *
34.0	77.8	60,500	36.0	77.8	54,100 *	38.0	77.9	47,800 *	40.0	77.9	41,200 * 40.600 *	40.0	78.6	36,400 *
36.0 38.0	76.9 76.1	56,200 52,000	38.0 40.0	77.0 76.3	51,000 * 48,000	40.0 42.0	77.2 76.4	46,600 * 44,300 *	42.0 44.0	77.2 76.5	40,600 * 40,000 *	42.0 44.0	77.9 77.2	35,800 * 35,100 *
40.0	75.2	48,200	42.0	75.5	45,200	44.0	75.6	42,100 *	46.0	75.8	39,300 *	46.0	76.6	34,500 *
42.0 44.0	74.4 73.5	45,400 42,600	44.0 46.0	74.7 73.9	42,400 39,600	46.0 48.0	74.9 74.1	39,800 37,800	48.0 50.0	75.1 74.4	37,400 * 35,400 *	48.0 50.0	75.9 75.3	33,900 * 33,300 *
46.0	73.3 72.7	39,800	48.0	73.9	37,500	50.0	73.4	35,800	55.0	72.6	31,200	55.0	73.7	30,800 *
48.0	71.8	37,800	50.0	72.3	35,500	55.0	71.5	31,400	60.0	70.9	27,600	60.0	72.0	27,400
50.0 55.0	71.0 68.8	35,800 31,400	55.0 60.0	70.3 68.2	31,200 27,600	60.0 65.0	69.6 67.7	27,800 25,000	65.0 70.0	69.1 67.3	24,600 22,300	65.0 70.0	70.3 68.6	24,400 21,900
60.0	66.6	27,800	65.0	66.2	24,800	70.0	65.8	22,600	75.0	65.4	20,300	75.0	66.9	19,900
65.0 70.0	64.3 62.0	25,000 22,600	70.0 75.0	64.0 61.9	22,400 20,300	75.0 80.0	63.8 61.8	20,500 18,700	80.0 85.0	63.5 61.6	18,500 16,800	80.0 85.0	65.2 63.4	18,100 16,600
75.0	62.0 59.7	20,500	80.0	59.6	18,500	85.0	59.7	17,000	90.0	59.7	15,400	90.0	63.4 61.6	15,200
80.0	57.3	18,700	85.0	57.4	17,000	90.0	57.6	15,700	95.0	57.8	14,300	95.0	59.8	14,000
85.0 90.0	54.8 52.2	17,200 15,900	90.0 95.0	55.2 52.8	15,700 14,400	95.0 100.0	55.4 53.2	14,500 13,500	100.0 110.0	55.8 51.5	13,300 11,500	100.0 110.0	57.9 54.0	12,900 11,100
95.0	49.5	14,600	100.0	50.3	13,400	110.0	48.6	11,700	120.0	47.0	9,800	120.0	49.9	9,600
100.0	46.8	13,600	110.0	45.1	11,700	120.0	43.6	10,100	130.0	42.2	8,700	130.0	45.6	8,500
110.0 120.0	40.8 34.0	11,900 10,300	120.0 130.0	39.3 32.8	10,300 8,900	130.0 140.0	38.1 31.6	8,900 7,900	140.0 150.0	36.8 30.5	7,700 6,800	140.0 150.0	40.9 35.7	7,400 6,500
130.0	25.7	9,200	140.0	24.3	8,000	150.0	23.7	7,100	160.0	23.2	5,900	160.0	29.7	5,600
135.0	20.5	8,830										165.0	26.5	5,100
Ree	ves	4	Ree	eves	4	Ree	ves	2	i kee	ves	2	l Ree	eves	2
40			20			1.00	100		100	100	_	1.00	100	
	0' Boom			0' Boom										
19 Load Radius	Boom	360°	20 Load Radius	Boom	om 360° Rated Load									
Load Radius (ft)	Boom Angle (deg.)	360 [°] Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)									
Load Radius (ft) 32.0	Boom Angle (deg.) 81.6	360 [°] Rated Load (lbs) 34,400 *	Load Radius (ft) 34.0	Boom Angle (deg.) 81.5	360° Rated Load (lbs) 30,300 *									
Load Radius (ft)	Boom Angle (deg.)	360 [°] Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)									
Load Radius (ft) 32.0 34.0 36.0 38.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 *	Load Radius (ft) 34.0 36.0 38.0 40.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7	360° Pated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 *									
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2	360° Rated Load (Ibs) 34,400 * 33,800 * 33,300 * 32,700 * 32,200 *	Load Radius (ft) 34.0 36.0 38.0 40.0 42.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1	360° Rated Load (/bs) 30,300 * 29,700 * 29,200 * 28,200 * 28,200 *									
Load Radius (ft) 32.0 34.0 36.0 38.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 *	Load Radius (ft) 34.0 36.0 38.0 40.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7	360° Pated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 *									
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 31,100 * 30,600 *	Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.4	360° Pated Load (Ibs) 30,300 * 29,200 * 29,200 * 28,200 * 27,700 * 27,300 * 26,800 *									
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.7	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 31,100 * 30,600 * 30,100 *	Load Radius (ft) 34.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8	360° Pated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,300 * 27,300 * 26,800 * 26,800 *									
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 40.0 42.0 44.0 48.0 55.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.6 78.6 77.4 76.7 76.1 74.5	360° Rated Load (Ibs) 34,400 * 33,800 * 33,300 * 32,200 * 32,200 * 31,700 * 31,100 * 30,600 * 30,600 * 29,600 * 28,100 *	Load Radius (ft) 34.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8	360° Pated Load (Ibs) 30,300 * 29,700 * 29,200 * 28,200 * 28,200 * 27,300 * 26,800 * 26,800 * 26,800 * 26,800 * 24,900 *									
Load Radius (ft) 32.0 34.0 38.0 40.0 40.0 42.0 44.0 46.0 55.0 55.0 60.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.1 74.5 73.0	360° Rated Load (Ibs) 34,400 * 33,800 * 33,300 * 32,200 * 32,200 * 31,700 * 31,100 * 30,600 * 30,600 * 29,600 * 28,100 * 28,100 *	Load Radius (ft) 34.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4	360° Pated Load (Ibs) 30,300 * 29,700 * 29,200 * 28,200 * 28,200 * 27,700 * 27,300 * 26,800 * 26,800 * 26,300 * 26,300 * 24,900 * 23,200 *									
Load Radius (ft) 32.0 34.0 38.0 40.0 40.0 42.0 44.0 48.0 50.0 55.0 60.0 65.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.6 78.6 77.4 76.7 76.1 74.5	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,200 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 * 28,100 * 28,100 * 26,200 *	Load Radius (ft) 34.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 70.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8	360° Pated Load (Ibs) 30,300 * 29,700 * 29,200 * 28,200 * 28,200 * 27,700 * 27,300 * 26,300 * 26,300 * 26,300 * 24,900 * 23,200 * 23,200 * 20,000 *									
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0	Boom Angle (deg.) 81.6 81.0 80.4 79.2 78.6 78.0 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,200 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 * 28,100 * 28,100 * 28,100 * 28,100 * 26,200 * 24,000 * 24,000 * 24,000 *	Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	Boom Angle (deg.) 81.5 80.9 80.3 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9 69.3 67.8	360° Pated Load (lbs) 30,300 * 29,700 * 29,200 * 28,200 * 28,200 * 27,300 * 26,800 * 26,300 * 26,300 * 24,900 * 23,200 * 21,500 * 21,500 * 21,500 * 15,500 * 17,100 *									
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 48.0 55.0 55.0 60.0 65.0 75.0 80.0	Boom Angle (deg.) 81.6 81.0 80.4 79.2 78.6 78.0 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2 66.5	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 * 28,100 * 30,100 * 28,100 * 30,100 * 30,000 * 30,100 * 30,000 * 3	Load Radius (ft) 34.0 36.0 38.0 40.0 44.0 44.0 44.0 46.0 48.0 50.0 55.0 65.0 65.0 70.0 75.0 80.0 85.0	Boom Angle (deg.) 81.5 80.9 80.3 79.1 78.6 78.0 77.4 76.8 73.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,700 * 27,300 * 26,800 * 26,300 * 24,900 * 23,200 * 24,900 * 23,200 * 24,900 * 1,500 * 15,900 *									
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0	Boom Angle (deg.) 81.6 81.0 80.4 79.2 78.6 78.0 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 * 28,100 * 28,100 * 26,200 * 24,000 * 2	Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	Boom Angle (deg.) 81.5 80.9 80.3 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9 69.3 67.8	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,200 * 27,700 * 27,300 * 26,800 * 26,300 * 24,900 * 24,900 * 23,200 * 21,500 * 21,500 * 21,500 * 15,500 * 17,100 *									
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 44.0 55.0 60.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.1 74.5 73.0 71.4 69.8 68.2 69.8 64.9 63.2 64.5	360° Rated Load (Ibs) 34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 31,100 * 30,600 * 29,600 * 29,600 * 24,000 * 2	Load Radius (ft) 34.0 38.0 40.0 42.0 44.0 46.0 48.0 55.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 75.3 73.8 75.3 73.8 75.3 69.3 67.8 69.3 67.8 63.0 61.4	360° Rated Load (Ibs) 30,300 * 29,700 * 29,200 * 28,200 * 28,200 * 27,300 * 26,800 * 26,800 * 26,800 * 26,300 * 24,900 * 23,200 * 24,900 * 23,200 * 24,900 * 15,000 * 15,900 * 14,700 13,500 12,400									
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 40.0 42.0 44.0 46.0 55.0 60.0 65.0 70.0 85.0 80.0 85.0 90.0 95.0 100.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.1 74.5 73.0 71.4 69.8 68.2 69.8 64.9 63.2 64.9 63.2 61.5 59.7	360° Rated Load (Ibs) 34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 30,600 * 30,600 * 29,600 * 28,100 * 26,200 * 24,000 * 2	Load Radius (ft) 34.0 38.0 40.0 42.0 44.0 46.0 48.0 55.0 60.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 90.0 90.0 910.0 110.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 75.3 73.8 72.4 70.9 69.3 67.8 64.2 64.6 63.0 61.4 58.1	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,200 * 28,200 * 27,300 * 26,800 * 26,300 * 26,300 * 26,300 * 24,900 * 23,200 * 24,900 * 23,200 * 24,900 * 15,000 * 15,900 * 15,900 * 14,700 13,500 12,400 10,600									
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 44.0 55.0 60.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.1 74.5 73.0 71.4 69.8 68.2 69.8 64.9 63.2 64.5	360° Rated Load (Ibs) 34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 31,100 * 30,600 * 29,600 * 29,600 * 24,000 * 2	Load Radius (ft) 34.0 38.0 40.0 42.0 44.0 46.0 48.0 55.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 75.3 73.8 75.3 73.8 75.3 69.3 67.8 69.3 67.8 63.0 61.4	360° Rated Load (Ibs) 30,300 * 29,700 * 29,200 * 28,200 * 28,200 * 27,300 * 26,800 * 26,800 * 26,800 * 26,300 * 24,900 * 23,200 * 24,900 * 23,200 * 24,900 * 15,000 * 15,900 * 14,700 13,500 12,400									
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 48.0 50.0 55.0 60.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 90.0 95.0 100.0 110.0 120.0 130.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2 64.9 63.2 61.5 59.7 56.2 52.5 48.5	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,200 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 * 28,100 * 29,600 * 28,100 * 29,600 * 24,000 * 2	Load Radius (ft) 34.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 120.0 130.0 140.0	Boom Angle (deg.) 81.5 80.9 80.3 79.1 78.6 78.0 77.4 76.8 75.3 75.3 75.3 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1 54.6 51.1 47.2	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,300 * 26,800 * 26,300 * 26,300 * 24,900 * 24,900 * 24,900 * 21,500 * 20,000 * 15,900 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800 6,500									
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 90.0 95.0 100.0 110.0 120.0 130.0	Boom Angle (deg.) 81.6 81.0 80.4 79.2 78.6 78.0 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5 59.7 56.2 52.5 48.5 44.3	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 32,700 * 32,200 * 31,100 * 30,600 * 30,100 * 29,600 * 28,100 * 29,600 * 28,100 * 29,600 * 24,000 * 2,000 *	Load Radius (ft) 34.0 38.0 40.0 44.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 120.0 140.0 140.0 150.0	Boom Angle (deg.) 81.5 80.9 80.3 79.1 78.6 78.0 77.4 76.8 73.8 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1 54.6 51.1 47.2 43.1	360° Pated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,700 * 27,300 * 26,800 * 26,300 * 26,300 * 24,900 * 23,200 * 24,900 * 15,900 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800 6,500 5,200 *									
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 44.0 55.0 60.0 55.0 60.0 55.0 60.0 55.0 60.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 120.0 140.0 150.0 160.0	Boom Angle (deg.) 81.6 81.0 87.8 79.2 78.6 78.0 77.4 76.1 74.5 73.0 71.4 69.8 68.2 64.9 63.2 64.9 63.2 64.5 59.7 56.2 52.5 54.3 39.7 34.8	360° Rated Load (Ibs) 34,400 * 33,800 * 33,300 * 32,200 * 31,700 * 31,100 * 30,600 * 29,600 * 29,600 * 24,000 * 2	Load Radius (ft) 34.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 120.0 130.0 140.0	Boom Angle (deg.) 81.5 80.9 80.3 79.1 78.6 78.0 77.4 76.8 75.3 75.3 75.3 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1 54.6 51.1 47.2	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,300 * 26,800 * 26,300 * 26,300 * 24,900 * 24,900 * 24,900 * 21,500 * 20,000 * 15,900 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800 6,500									
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 48.0 55.0 60.0 55.0 60.0 55.0 60.0 55.0 60.0 70.0 85.0 90.0 95.0 100.0 110.0 120.0 130.0 140.0 150.0	Boom Angle (deg.) 81.6 81.0 80.4 79.2 78.6 78.0 77.4 76.1 74.5 73.0 71.4 69.8 68.2 64.9 63.2 64.9 63.2 64.9 63.2 59.7 56.2 59.7 56.2 52.5 48.5 44.3 39.7	360° Rated Load (Ibs) 34,400 * 33,800 * 33,300 * 32,200 * 32,200 * 31,100 * 30,000 * 29,600 * 24,000 * 2	Load Radius (ft) 34.0 38.0 40.0 42.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 130.0 140.0 155.0	Boom Angle (deg.) 81.5 80.9 80.3 79.1 78.6 78.0 77.4 76.8 73.8 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1 54.6 51.1 47.2 43.1	360° Pated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,700 * 27,300 * 26,800 * 26,300 * 26,300 * 24,900 * 23,200 * 24,900 * 15,900 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800 6,500 5,200 *									

Fixed Jib Lift Capacity

Full Counterweight: 69,000 lbs Carbody Weight: 31,800

	80	' Boo r	n																				
		30 f	t J ib					40 f	t Jib					50 f	t Jib					60 f	t Jib		
	() set An	gle (d	eg.)			() set An	gle (d	leg.)			() set An	gle (d	eg.)			() set Ar	gle (d	eg.)	
laad	10	Defead	Land	30		land	10		Land	30	Detect	Land	10	Detect	laad	30	r	Land	10	Deter	laad	30	Defed
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (Ibs)
30.0 32.0 34.0 36.0 38.0	79.3 78.0 77.0 75.9 74.9 73.8	24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	38.0 40.0	79.6 78.5	21,000* 21,000 *	34.0 36.0 38.0 40.0 45.0 50.0	79.3 78.3 77.4 76.4 73.9 71.4	24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	45.0 50.0	79.7 77.1	15,360*	38.0 40.0 45.0 50.0 55.0 60.0	79.3 78.4 76.1 73.8 71.3 68.9	20,000* 20,000* 20,000* 20,000* 18,560* 17,080*	55.0 60.0	78.0 75.5	11,080* 10,490 *	40.0 45.0 50.0 55.0 60.0 65.0	79.8 77.7 75.6 73.3 71.2 69.0	18,000* 18,000 * 17,850* 16,180 * 14,850* 13,730 *	60.0 65.0	78.7 76.4	8,950* 8,480 *
40.0 45.0 50.0 55.0 60.0	71.1 68.3 65.3 62.4	24,000* 24,000* 24,000* 24,000*	45.0 50.0 55.0 60.0	75.7 72.8 69.7 66.7	20,700* 19,510* 18,380* 17,500*	55.0 60.0 65.0 70.0	68.7 66.1 63.4 60.6	22,480* 20,700* 19,180* 17,870*	55.0 60.0 65.0 70.0	74.3 71.6 68.8 65.9	14,480* 13,640* 12,980* 12,360* 11,830 *	65.0 70.0 75.0 80.0	66.5 64.0 61.3 58.7	15,800* 14,720* 13,710* 12,870*	65.0 70.0 75.0 80.0	73.0 70.4 67.6 64.8	9,980* 9,540* 9,100* 8,730*	70.0 75.0 80.0 85.0	66.7	12,760* 11,860* 11,130* 10,470*	70.0 75.0 80.0 85.0	74.1 71.5 69.0 66.5	8,060* 7,670* 7,340* 7,030*
65.0 70.0 75.0 80.0	59.3 56.2 52.8 49.3	22,920 20,810 18,910 17,370	65.0 70.0 75.0 80.0	63.6 60.3 56.7 53.1	16,710* 16,020* 15,380* 14,850*	75.0 80.0 85.0 90.0	57.6 54.6 51.5 48.3	16,660* 15,670 * 14,810* 14,040 *	75.0 80.0 85.0 90.0	62.7 59.6 56.3 52.9	11,350* 10,930* 10,560* 10,250*	85.0 90.0 95.0 100.0	56.0 53.2 50.0 46.9	12,140* 11,500 * 10,890* 10,360 *	85.0 90.0 95.0 100.0	62.0 59.0 55.6 52.3	8,420* 8,130* 7,840* 7,620*	90.0 95.0 100.0 105.0	57.0 54.2 51.5 48.7	9,870* 9,320 * 8,860* 8,440 *	90.0 95.0 100.0 105.0	63.9 60.9 58.1 55.0	6,760* 6,500* 6,280* 6,100 *
85.0 90.0 95.0 100.0	45.7 41.8 37.2 32.4	16,020 14,850 13,750 12,830				95.0 100.0 105.0 110.0	44.6 40.8 36.7 32.1	13,310* 12,690 * 12,120 11,350 *				105.0 110.0 115.0	43.6 40.0 35.8	9,890* 9,470 * 9,080*				110.0 115.0 120.0 125.0	45.7 42.3 38.8 35.1	8,060* 7,690 * 7,380* 7,120 *	110.0	51.8	5,930*
Ree		1		ves	1	Ree	ves	1	Ree	eves	1	Ree	ves	1	Ree	eves	1	Ree	eves	1	Ree	ves	1
	90	Boo r	n																				
			t Jib					40 f	t Jib					50 f	t Jib					60 f	t Jib		
) set An	gle (d) set An	gle (d	0 /) set An	gle (d	0 /) set Ar	gle (d	0 /	
Load Radius	10 Boom Angle	Rated Load	Load Radius		Rated Load	Load Radius	10 Boom Angle	Rated Load	Load Radius		Rated Load	Load Radius	10 Boom Angle	Rated Load	Load Radius	30 Boom Angle	Rated Load	Load Radius		Rated Load	Load Radius		Rated Load
(ft) 32.0 34.0	(deg.) 79.1 78.1	(lbs) 24,000* 24,000 *	<u>(ft)</u>	(deg.)	(lbs)	(ft) 36.0 38.0	(deg.) 79.3 78.4	(lbs) 24,000* 24,000 *	<u>(ft)</u>	(deg.)	(lbs)	(ft) 38.0 40.0	(deg.) 80.0 79.2	(lbs) 20,000* 20,000 *	<u>(ft)</u>	(deg.)	(lbs)	(ft) 45.0 50.0	(deg.) 78.6 76.6	(lbs) 18,000* 18,000 *	<u>(ft)</u>	(deg.)	(lbs)
36.0 38.0 40.0 45.0	77.1 76.2 75.2 72.7	24,000* 24,000* 24,000* 24,000*	40.0 45.0	79.5 77.0	21,000* 21,000 *	40.0 45.0 50.0 55.0	77.5 75.2 72.9 70.4	24,000* 24,000* 24,000* 23,890*	50.0 55.0	78.2 75.6	14,810* 14,020 *	45.0 50.0 55.0 60.0	77.1 75.0 72.7 70.5	20,000* 20,000* 19,550* 18,000*	55.0 60.0	78.9 76.7	11,300* 10,730 *	55.0 60.0 65.0 70.0	74.5 72.5 70.5 68.4	16,970* 15,630 * 14,460* 13,470 *	60.0 65.0 70.0	79.5 77.4 75.3	9,100* 8,660* 8,240 *
50.0 55.0 60.0 65.0 70.0	70.2 67.5 64.9 62.2 59.4	24,000* 24,000* 24,000* 22,660 20,540	50.0 55.0 60.0 65.0 70.0	74.4 71.6 68.9 66.1 63.3	20,100* 19,020 * 18,120* 17,320 * 16,620*	60.0 65.0 70.0 75.0 80.0	68.1 65.6 63.2 60.4 57.8	22,020* 20,410* 19,040* 17,760* 16,730*	60.0 65.0 70.0 75.0 80.0	73.2 70.7 68.1 65.3 62.5	13,330* 12,760 * 12,230* 11,720 * 11,300*	65.0 70.0 75.0 80.0 85.0	68.3 66.1 63.6 61.3 58.8	16,730* 15,580 * 14,520* 13,660 * 12,890*	65.0 70.0 75.0 80.0 85.0	74.4 72.0 69.5 67.0 64.5	10,250* 9,780* 9,360* 8,990* 8,680*	75.0 80.0 85.0 90.0 95.0	66.1 64.0 61.8 59.5 57.1	12,520* 11,770 * 11,080* 10,470 * 9,890*	75.0 80.0 85.0 90.0 95.0	72.9 70.7 68.4 66.0 63.4	7,870* 7,530* 7,230* 6,960* 6,700*
75.0 80.0 85.0 90.0	56.4 53.5 50.4 47.1	18,620 17,080 15,760 14,570	75.0 80.0 85.0	60.2 57.1 53.9	15,960* 15,430* 14,940*	85.0 90.0 95.0 100.0	55.1 52.3 49.1 46.0	15,800* 14,740 13,620 12,690	85.0 90.0 95.0	59.7 56.7 53.4	10,930* 10,580* 10,270*	90.0 95.0 100.0 105.0	56.3 53.6 50.9 48.0	12,210* 11,570* 11,020* 10,530*	90.0 95.0 100.0 105.0	64.5 61.8 58.9 56.1 53.1	8,000 8,370* 8,110* 7,870* 7,640*	100.0 105.0 110.0 115.0	54.7 52.2 49.6 46.7	9,390* 8,950* 8,550 * 8,150*	100.0 105.0 110.0 115.0	60.9 58.3 55.5 52.4	6,700 6,480* 6,280* 6,100* 5,930*
95.0 100.0 105.0	43.4 39.7 35.6	13,470 12,540 11,700				105.0 110.0 115.0	42.7 39.1 35.0	11,860 11,080 10,360				110.0 115.0 120.0 125.0	45.1 41.7 38.2 34.4	10,070* 9,650* 9,300* 8,970*				120.0 125.0 130.0 135.0	40.7 37.4	7,820* 7,530* 7,270* 7,010*			
Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	eves	1	Ree	ves	1	Ree	ves	1	Ree	eves	1	Ree	ves	1

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

Fixed Jib Lift Capacity

Full Counterweight: 69,000 lbs Carbody Weight: 31,800

	100)' Boo	m																				
		30 f	t J ib						t Jib						t Ji b					60 f	t J ib		
) set An	gle (d	0 /				O set Ar	gle (d) set An	gle (d) set Ar	igle (d	0 /	
Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom	Rated	Load	30 Boom	Rated
Radius (ft)	Angle (deg.) Load (bs) Radius (ft) Angle (deg.) 79.9 24,000* (deg.) 79.0 24,000* (deg.) 78.1 24,000* (deg.) 77.2 24,000* (deg.) 77.2 24,000* (deg.) 74.1 24,000* (deg.) 71.8 24,000* 50.0 75.7 69.3 24,000* 55.0 73.2 67.0 24,000* 65.0 68.2 62.1 20,320 70.0 65.7 65.4 18,400 75.0 62.2 56.7 16,860 80.0 60.2 54.0 15,520 85.0 57.4 51.2 14,320 90.0 54.5 48.1 13,220 95.0 51.2 45.0 12,270 41.7 11,460 38.1 10,690 34.0 9,980 34.0 9,980 30 ft Jb Jb			Load (Ibs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (Ibs)	Radius (ft)	Angle (deg.)	Load (Ibs)	Radius (ft)	Angle (deg.)	Load (Ibs)	Radius (ft)	Angle (deg.)	Load (lbs)	
32.0		'				36.0	80.0	24,000*				40.0	79.9	20,000*				45.0	79.3	18,000*			
34.0						38.0	79.2	24,000*				45.0	78.0	20,000*				50.0	77.5	18,000*			
36.0 38.0		· ·				40.0 45.0	78.4 76.3	24,000* 24,000*				50.0 55.0	76.0 73.9	20,000* 20,000 *	55.0	79.7	11,500*	55.0 60.0	75.5 73.7	17,720* 16,350 *			
40.0		· ·				50.0	74.2	24,000*	50.0	79.1	15,100*	60.0	71.9	20,000 18,930*	60.0	77.7	10,950*	65.0	71.8	15,160*	65.0	78.3	8,810*
45.0			45.0	78.0	21,000*	55.0	71.9	24,000*	55.0	76.7	14,320*	65.0	69.9	17,590*	65.0	75.5	10,470*	70.0	69.9	14,130*	70.0	76.3	8,420*
50.0					20,650*	60.0	69.7	23,280*	60.0	74.5	13,660*	70.0	67.8	16,420*	70.0	73.4	10,030*	75.0	67.8	13,160*	75.0	74.2	8,040*
55.0 60.0					19,570* 18,690*	65.0 70.0	67.5 65.3	21,620 * 20,190*	65.0 70.0	72.2 69.9	13,090* 12,560*	75.0 80.0	65.6 63.4	15,340* 14,440*	75.0 80.0	71.1 68.8	9,610* 9,230*	80.0 85.0	65.8 63.8	12,360* 11,660*	80.0 85.0	72.1 70.0	7,710 * 7,420*
65.0					17,900*	75.0	62.8	18,620	75.0	67.3	12,050*	85.0	61.2	13,640*	85.0	66.5	8,920*	90.0	61.7	11,040*	90.0	67.9	7,160*
70.0					17,190*	80.0	60.4	17,060	80.0	64.9	11,640*	90.0	59.0	12,910*	90.0	64.2	8,610*	95.0	59.5	10,420*	95.0	65.5	6,900*
75.0					16,510*	85.0	58.0	15,710	85.0	62.4	11,260*	95.0	56.5	12,230*	95.0	61.6	8,330*	100.0	57.3	9,920*	100.0	63.2	6,670*
80.0 85.0					15,960* 15,450 *	90.0 95.0	55.5 52.8	14,500 13,380	90.0 95.0	59.8 56.9	10,910* 10,580 *	100.0 105.0	54.1 51.6	11,660* 11,150 *	100.0 105.0	59.1 56.4	8,090* 7,870 *	105.0 110.0	55.1 52.7	9,450* 9,030 *	105.0 110.0	60.9 58.4	6,450* 6,280 *
90.0					14,570	100.0	50.1	12,450	100.0	54.0	10,310*	110.0	49.0	10,670*	110.0	53.7	7,690*	115.0	50.2	8,610*	115.0	55.7	6,100*
95.0			95.0	51.2	13,420	105.0	47.2	11,590				115.0	46.1	10,200*				120.0	47.7	8,280*	120.0	53.1	5,950*
100.0 105.0						110.0 115.0	44.3 40.9	10,840 10,110				120.0 125.0	43.2 40.2	9,590 9,010				125.0 130.0	45.1 42.3	7,950* 7,670 *			
110.0						120.0	37.4	9,470				130.0	36.8	8,480				135.0	39.4	7,400*			
115.0	34.0	9,980				125.0	33.7	8,860*				135.0	33.2	7,800*				140.0	35.9	7,140*			
																		145.0	32.4	6,810*			
- Dec		4	Dee		1	Ree		1	Daa	ves	1	Dee	ves	1	Dee	ves	1	Dee	ves	1	Dec	ves	1
Nee				.ves		nee	ves		nee	ves		nee	ves	-	nee	ves	•	nee	ves		nee	ves	
								40.4	t Jib					E0.4	t Jib			1		60.4	t Jib		
<u> </u>	(lea.)			(3 set Ar		ea.)			() set An		ea.)			(D set An		ea.)	
-	10		9.0 (0	<u>30</u>)		10		<u>g.c (u</u>	<u>30</u>			10		<u>9.0 (a</u>	30			10		9.0 (0	30	
Load Radius	Boom Angle	Rated Load	Load Radius	Boom Angle	Rated Load	Load Radius	Boom Angle	Rated Load	Load Radius	Boom Angle	Rated Load	Load Radius	Boom Angle	Rated Load	Load Radius	Boom Angle	Rated Load	Load Radius	Boom Angle	Rated Load	Load Radius	Boom Angle	Rated Load
(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)
34.0 36.0	79.8 79.0	24,000* 24,000 *				38.0 40.0	79.9 79.2	24,000* 24,000*				45.0 50.0	78.8 76.9	20,000* 20,000 *				45.0 50.0	80.0 78.3	18,000* 18,000 *			
38.0	78.2	24,000*				45.0	77.2	24,000*				55.0	75.0	20,000*				55.0	76.4	18,000*			
40.0	77.3	24,000*				50.0	75.3	24,000*	50.0	79.9	15,360*	60.0	73.1	19,810*	60.0	78.5	11,150*	60.0	74.7	17,040*			
45.0 50.0	75.3 73.2	24,000* 24,000 *	45.0 50.0	79.0 76.8	21,000* 21,000 *	55.0 60.0	73.2 71.2	24,000* 24,000*	55.0 60.0	77.7 75.6	14,610* 13,970 *	65.0 70.0	71.2 69.3	18,430* 17,230 *	65.0 70.0	76.5 74.6	10,670* 10,250 *	65.0 70.0	72.9 71.1	15,820* 14,770 *	65.0 70.0	79.1 77.2	8,970* 8,570 *
55.0	70.9	24,000*	55.0	74.5	20,100*	65.0	69.1	22,500	65.0	73.5	13,400*	75.0	67.2	16,110*	75.0	72.4	9,830*	75.0	69.2	13,800*	75.0		8,200*
60.0		24,000*	60.0		19,220*	70.0	67.1	20,370	70.0	71.4	12,870*	80.0	65.2	15,160*	80.0	70.4	9,470*	80.0	67.3	12,960*	80.0	73.3	7,890*
65.0	66.5	22,260	65.0	70.0	18,430*	75.0	64.8	18,450	75.0	69.1	12,380*	85.0	63.2	14,350* 12 600*	85.0	68.3	9,140*	85.0	65.5	12,230*	85.0		7,580*
70.0 75.0		20,150 18,230	70.0	67.7 65.1	17,700 * 17,040*	80.0 85.0	62.7 60.5	16,880 15,520	80.0 85.0	66.9 64.6	11,940* 11,570*	90.0 95.0	61.2 58.9	13,600* 12,890*	90.0 95.0	66.1 63.8	8,840 * 8,550*	90.0 95.0	63.6 61.5	11,590 * 10,950*	90.0 95.0	69.4 67.2	7,310 * 7,050*
80.0		16,680	80.0		16,460*	90.0	58.2	14,320	90.0	62.2	11,220*	100.0	56.7	12,300*	100.0	61.5	8,310*	100.0	59.5	10,420*	100.0	65.2	6,830*
85.0		15,340	85.0	60.2	15,650	95.0	55.7	13,200	95.0	59.7	10,890*	105.0	54.5	11,530	105.0	59.2	8,090*	105.0	57.5	9,940*	105.0	63.0	6,630*
90.0 95.0		14,150 13,020	90.0 95.0	57.6	14,440	100.0 105.0	53.3 50.8	12,250 11,410	100.0 105.0	57.1 54.5	10,600* 10,330*	110.0 115.0	52.2 49.6	10,780 10,030	110.0 115.0	56.7 54.0	7,890 * 7,690*	110.0 115.0	55.4 53.1	9,500 * 9,080*	110.0	60.8	6,430 * 6,260*
95.0 100.0		13,020 12,100	95.0 100.0	54.8 52.0	13,270 12,320	1105.0	48.2	10,640	105.0 110.0	54.5 51.8	10,330* 10,110*	120.0	49.0 47.1	9,390	113.0	54.0	1,090.1	120.0	50.9	9,080***********************************	120.0	58.4 56.1	6,200" 6,100*
105.0	46.3	11,260				115.0	45.3	9,920				125.0	44.5	8,810				125.0	48.6	8,370*	125.0		5,970*
110.0		10,510				120.0	42.5	9,300				130.0	41.8	8,280				130.0	46.2	8,060*			
115.0 120.0		9,780 9,170				125.0 130.0	39.4 36.1	8,730 8,200				135.0 140.0	38.8 35.4	7,800 7,250 *				135.0 140.0	43.6 40.8	7,780* 7,380			
125.0		8,420*				135.0	32.5	7,420*					00.7	.,_00				145.0	37.9	6,960			
																		150.0	34.8	6,370*			

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

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts. Refer to notes on page 20.

Fixed Jib Lift Capacity

75.0 65.6

80.0 63.7

85.0 61.6

90.0 59.6

95.0 57.3

100.0 55.2

105.0 52.9

110.0 50.6

115.0 48.1

120.0 45.6

125.0 43.0

130.0 40.2

135.0 37.3

140.0 33.9

Reeves

17,680

16,130

14,790

13,600

12,470

11,530

10,690

9,940

9,210

8,570

8,020

7,490

6,940*

6,150*

1

75.0 68.6

80.0 66.6

85.0 64.5

90.0 62.4

95.0 60.1

100.0

105.0 55.6

110.0 53.2

Reeves

57.9

17,960*

16,600

15,180

13,950

12,780

11,810

10,950

10,160

1

85.0 64.3

90.0 62.4

95.0 60.3

100.0 58.3

105.0 56.3

110.0

115.0 51.9

120.0 49.7

125.0

130.0 45.0

135.0 42.5

140.0 39.6

145.0 36.8

150.0 33.7

Reeves

54.2

47.4

14,990

13,800

12,650

11,700

10,860

10,090

9,360

8,730

8,150

7,620

7,140

6,670

6,040

5,370*

1

85.0 68.0

90.0 66.1

95.0 63.9

100.0 61.9

105.0 59.8

110.0 57.6

115.0 55.2

120.0 52.9

Reeves

12,140*

11,770*

11,440*

11,130*

10,860*

10,420

9,650

8,990

1

85.0 66.5

90.0 64.7

95.0 62.8

100.0 61.0

105.0 59.1

110.0 57.2

115.0 55.1

120.0 53.1

125.0 51.0

130.0 48.8

135.0 46.6

140.0 44.1

145.0 41.7

150.0

160.0 33.1

Reeves

39.1 155.0

36.3

15,160

13,950

12,800

11,860

11,000

10,220

9,470

8,840

8,260

7,730

7,250

6,760

6,340

5,860*

5.260*

4,650*

1

85.0 71.0

90.0 69.2

95.0

100.0 65.3

105.0 63.4

110.0

115.0 59.2

120.0 57.1

125.0 54.9

130.0 52.6

Reeves

67.2

61.4

9,540*

9,230*

8,950*

8,700*

8,480*

8,260*

8,040*

7,870*

7,710*

7,560*

1

90.0 66.6

95.0 64.8

100.0

105.0 61.4

110.0 59.6

115.0 57.7

120.0 55.9

125.0 54.0

130.0 52.0

135.0 50.0

140.0 47.8

145.0 45.6

150.0 43.3

155.0 41.0

160.0 38.3

165.0 35.6

170.0 32.7

Reeves

63.1

12,630*

11,970*

11,410*

10,890*

10,310

9,560

8,920

8,350

7,820

7,310

6,830

6,410

6,040

5,620*

5,040*

4,540*

4,010*

1

90.0 71.9

95.0 70.0

100.0

105.0 66.5

110.0 64.6

115.0 62.6

120.0 60.7

125.0 58.7

130.0 56.6

135.0 54.5

140.0 52.2

68.3

7,620*

7,360*

7,140*

6,940*

6,740*

6,560*

6,390*

6,230*

6,100*

5,970*

5,860*

1

Full Counterweight: 69,000 lbs Carbody Weight: 31,800

	120)' Boo	m															-					
			t J ib						t J ib					50 f	t J ib					60 f	t J ib		
) set An	gle (d					O set An	gle (d) set An	igle (d	0/) set An	gle (d	0/	
11	10		11	30		1	10		11	30		l l	10	Duted	Level	30	Duted	1	10	Dut	11	30	Detect
Load Radius (ft)	Boom Angle (deg.)	Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
36.0 38.0	79.7 79.0	24,000* 24,000 *				40.0 45.0	79.9 78.1	24,000* 24,000 *				45.0 50.0	79.5 77.7	20,000* 20,000 *				50.0 55.0	78.9 77.2	18,000* 18,000 *			
40.0	78.2	24,000*				43.0 50.0	76.2	24,000*				55.0	75.9	20,000*				60.0	75.5	17,720*			
45.0	76.3	24,000*	45.0	79.7	21,000*	55.0	74.3	24,000*	55.0	78.5	14,880*	60.0	74.2	20,000*	60.0	79.2	11,330*	65.0	73.9	16,460*	65.0	79.7	9,080*
50.0	74.3	24,000*	50.0	77.7	21,000*	60.0	72.4	24,000*	60.0	76.6	14,240*	65.0	72.4	19,240*	65.0	77.4	10,860*	70.0	72.2	15,380*	70.0	78.0	8,700*
55.0	72.2	24,000*	55.0	75.6	20,560*	65.0	70.5	22,240	65.0	74.7	13,690*	70.0	70.6	18,010*	70.0	75.6	10,420*	75.0	70.4	14,390*	75.0	76.1	8,350*
60.0	70.2	24,000*	60.0	73.5	19,680*	70.0	68.6	20,100	70.0	72.7	13,160*	75.0	68.7	16,840*	75.0	73.6	10,030*	80.0	68.7	13,550*	80.0	74.4	8,040*
65.0 70.0	68.2 66.1	21,970 19,860	65.0 70.0	71.4 69.3	18,910* 18,180*	75.0 80.0	66.5 64.5	18,160 16,620	75.0 80.0	70.6 68.5	12,670* 12,250*	80.0 85.0	66.8 65.0	15,890 * 15,030*	80.0 85.0	71.7 69.7	9,670 * 9,340*	85.0 90.0	67.0 65.2	12,780* 12,120*	85.0 90.0	72.6 70.7	7,730 * 7,470*
75.0	63.9	17,940	70.0 75.0	67.0	17,500*	85.0	62.5	15,250	85.0	66.4	11,860*	90.0	63.1	14,190	90.0	67.8	9,040*	90.0 95.0	63.3	11,480*	90.0 95.0	68.7	7,470 7,230*
80.0	61.7	16,400	80.0	64.8	16,790	90.0	60.5	14,040	90.0	64.3	11,500*	95.0	61.0	13,050	95.0	65.6	8,770*	100.0	61.5	10,930*	100.0	66.8	7,010*
85.0	59.5	15,050	85.0	62.6	15,410	95.0	58.2	12,910	95.0	62.0	11,170*	100.0	59.0	12,100	100.0	63.6	8,500*	105.0	59.6	10,420*	105.0	64.9	6,790*
90.0	57.3	13,860	90.0	60.2	14,170	100.0	56.0	11,970	100.0	59.7	10,860*	105.0	57.0	11,260	105.0	61.4	8,280*	110.0	57.7	9,960*	110.0	62.9	6,610*
95.0	54.8	12,740	95.0	57.7	13,020	105.0	53.8	11,130	105.0	57.4	10,600*	110.0	54.9	10,490	110.0	59.3	8,060*	115.0 120.0	55.6	9,520*	115.0	60.7	6,410*
100.0 105.0	52.4 49.9	11,790 10,950	100.0 105.0	55.2 52.6	12,050 11,170	110.0 115.0	51.5 48.9	10,360 9.630	110.0 115.0	55.0 52.3	10,360* 9,870	115.0 120.0	52.6 50.4	9,740 9,100	115.0 120.0	56.8 54.5	7,870* 7,690 *	120.0 125.0	53.6 51.5	9,140* 8,610	120.0 125.0	58.6 56.4	6,260* 6,100 *
110.0	47.3	10,200	100.0	01.0	11,170	120.0	46.5	8,990	110.0	02.0	3,010	125.0	48.1	8,530	125.0	52.1	7,530*	130.0	49.3	8,060	130.0	54.1	5,970*
115.0	44.4	9,470				125.0	43.8	8,420				130.0	45.6	8,000			,	135.0	47.1	7,580	135.0	51.7	5,860*
120.0	41.6	8,860				130.0	41.1	7,890				135.0	43.1	7,510				140.0	44.6	7,090			
125.0	38.5	8,280				135.0	38.1	7,420				140.0	40.3	7,030				145.0	42.2	6,670			
130.0	35.2	7,690*				140.0	34.7	6,700*				145.0	37.4	6,540*				150.0	39.6	6,300			
135.0	31.6	6,830*										150.0	34.3	5,880*				155.0 160.0	36.8 33.6	5,730* 5,090*			
Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1
	130)' Boo	m					<u> </u>												<u>.</u>			
		30 f	t Jib					40 f	t J ib					50 f	t J ib					60 f	t J ib		
) set An	gle (d	0 /				0 set An	gle (d	0 /) set An	gle (d	0 /) set An	gle (d	0 /	
1000	10 Doom		10-1	<i>30</i>		1000	10 Doom		10-1	30		lord	10 Doom	Dutad	10-1	30	Deter	10-1	10 Doom	Deter	1051	30	Deter
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
38.0	79.7	24,000*				45.0	78.8	24,000*				45.0	80.0	20,000*				50.0	79.5	18,000*			
40.0	79.0	24,000*				50.0	77.1	24,000*				50.0	78.4	20,000*				55.0	77.9	18,000*			
45.0 50.0	77.1 75.3	24,000* 24,000 *	50.0	78.5	21,000*	55.0 60.0	75.2 73.5	24,000* 24,000*	55.0 60.0	79.3 77.5	15,100* 14,500 *	55.0 60.0	76.7 75.1	20,000* 20,000 *	60.0	79.9	11,480*	60.0 65.0	76.3 74.8	18,000* 17,100 *			
55.0	73.4	24,000*	55.0	76.5	20,980*	65.0	73.3 71.7	22,000	65.0	75.7	1 4,500 13,930*	65.0	73.4	20,000* 20,000*	65.0	7 9.9 78.2	11,4 00 11,020*	70.0	73.2	16,000*	70.0	78.7	8,840*
60.0	71.5	24,000*	60.0	74.6	20,120*	70.0	69.9	19,860	70.0	73.8	13,420*	70.0	71.7	18,760*	70.0	76.5	10,620*	75.0	71.5	14,960*	75.0	76.9	8,480*
65.0	69.6	21,730	65.0	72.7	19,350*	75.0	68.0	17,920	75.0	71.8	12,940*	75.0	69.9	17,570*	75.0	74.6	10,200*	80.0	69.9	14,100*	80.0	75.3	8,170*
70.0	67.7	19,620	70.0	70.7	18,650*	80.0	66.2	16,350	80.0	69.9	12,520*	80.0	68.2	16,530	80.0	72.8	9,850*	85.0	68.3	13,330*	85.0	73.6	7,890*

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

Reeves

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.

Fixed Jib Lift Capacity

Full Counterweight: 69,000 lbs Carbody Weight: 31,800

	14()' Boo	m																				
			t J ib					-	t J ib						ft Ji b						ft Ji b		
	10) set Ar	ngle (d	eg.) 30			10	0 set An	igle (d	eg.) 30			10) set Ar	ngle (d	eg.) 30			10	O set Ar	ngle (a	leg.) 30	
Load	Boom	Rated	Load	Boom	Rated	Load	Boom	Rated	Load	Boom	Rated	Load	Boom	Rated	Load	Boom	Rated	Load	Boom	Rated	Load	Boom	Rated
Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (Ibs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)
40.0 45.0	79.6 77.9	24,000* 24,000*				45.0 50.0	79.4 77.8	24,000* 24,000*				50.0 55.0	79.1 77.4	20,000* 20,000 *				55.0 60.0	78.5 77.0	18,000* 18,000 *			
50.0	76.2	24,000*	50.0	79.2	21,000*	55.0	76.1	24,000*	55.0	79.9	15,320*	60.0	75.9	20,000*				65.0	75.6	17,700*			
55.0	74.4	24,000*	55.0	77.4	21,000*	60.0	74.4	24,000*	60.0	78.2	14,720*	65.0	74.3	20,000*	65.0	78.8	11,170*	70.0	74.1	16,570*	70.0		8,950*
60.0 65.0	72.6 70.9	23,980 21,450	60.0 65.0	75.6 73.8	20,540* 19,770 *	65.0 70.0	72.8 71.1	21,730 19,590	65.0 70.0	76.5 74.8	14,170* 13,690 *	70.0 75.0	72.8 71.1	19,480* 17,850	70.0 75.0	77.2 75.5	10,780* 10,380 *	75.0 80.0	72.5 71.0	15,520* 14,630 *	75.0 80.0	77.7 76.1	8,590* 8,310 *
70.0	69.1	19,330	70.0	72.0	19,060*	75.0	69.3	17,650	75.0	72.9	13,180*	80.0	69.4	16,260	80.0	73.8	10,030*	85.0	69.4	13,840*	85.0	74.5	8,020*
75.0	67.2	17,390	75.0	70.0	17,940	80.0	67.6	16,090	80.0	71.2	12,760*	85.0	67.8	14,880	85.0	72.1	9,720*	90.0	67.9	13,130*	90.0	72.9	7,760*
80.0 85.0	65.3 63.5	15,850 14,480	80.0 85.0	68.1 66.2	16,330 14,940	85.0 90.0	65.9 64.1	14,720 13,510	85.0 90.0	69.4 67.6	12,380* 12,030 *	90.0 95.0	66.2 64.4	13,660 12,520	90.0 95.0	70.4 68.6	9,430* 9,120 *	95.0 100.0	66.2 64.6	12,450* 11,680	95.0 100.0	71.2 69.5	7,510* 7,270 *
90.0	61.6	13,290	90.0	64.3	13,690	95.0	62.2	12,360	95.0	65.6	11,680*	100.0	62.7	11,570	100.0	66.8	8,880*	105.0	63.0	10,820	105.0	67.8	7,070*
95.0	59.5	12,160	95.0	62.2	12,540	100.0	60.3	11,410	100.0	63.7	11,370*	105.0	60.9	10,710	105.0	65.0	8,660*	110.0	61.4	10,050	110.0	66.1	6,870*
100.0 105.0	57.5 55.5	11,220 10,380	100.0 105.0	60.1 58.1	11,550 10,690	105.0 110.0	58.5 56.6	10,580 9,810	105.0 110.0	61.8 59.8	10,970 10,180	110.0 115.0	59.2 57.3	9,940 9,190	110.0 115.0	63.2 61.2	8,440* 8,220 *	115.0 120.0	59.6 57.9	9,300 8,660	115.0 120.0	64.3 62.5	6,700* 6,520 *
110.0	53.4	9,630	110.0	55.9	9,890	115.0	54.5	9,060	115.0	57.6	9,410	120.0	55.4	8,550	120.0	59.3	8,040*	125.0	56.1	8,060	125.0	60.7	6,370*
115.0	51.1	8,900	115.0	53.5	9,120	120.0	52.5	8,420	120.0	55.5	8,730	125.0	53.5	7,980	125.0	57.3	7,870*	130.0	54.3	7,530	130.0	58.8	6,230*
120.0 125.0	48.9 46.6	8,260 7,690	120.0	51.3	8,480	125.0 130.0	50.4 48.2	7,840 7,310	125.0	53.4	8,130	130.0 135.0	51.6 49.5	7,450 6,940	130.0 135.0	55.3 53.1	7,710* 7,250	135.0 140.0	52.5 50.5	7,030 6,540	135.0 140.0	56.9 54.7	6,100* 5,970 *
130.0	44.2	7,180				135.0	46.0	6,830				140.0	47.3	6,450	100.0	00.1	.,200	145.0	48.5	6,120	145.0	52.7	5,860*
135.0	41.7	6,700				140.0	43.5	6,370				145.0	45.1	6,040				150.0	46.5	5,730			
140.0 145.0	38.8 36.0	6,060* 5,400 *				145.0 150.0	41.1 38.5	5,880* 5,290 *				150.0 155.0	42.9 40.5	5,640* 5,090 *				155.0 160.0	44.4 42.0	5,350* 4,820*			
150.0	32.9	4,760*				155.0	35.7	4,690*				160.0	37.8	4,540*				165.0	39.7	4,340*			
		,				160.0	32.5	4,070*				165.0	35.1	4,010*				170.0	37.3	3,880*			
Ree	VOC	1	Ree		1	Poo	eves	1	Poo	ves	1	170.0	32.2	3,500* 1	Poo	ves	1	175.0	34.7 eves	3,410*	Por	eves	1
		-		ves		Nee	.463	•	nee	.ves		TVCC	103			100	-	Ticc			1.00	7763	
)' Boo	m	ves	1	Nee					1	Nee											
	150)' Boo	m ^{ft} Jib						t J ib						ft Ji b						ft Ji b		
	150)' Boo 301 O set Ar	m ^{ft} Jib	eg.) 30			(10	40 f	t J ib	eg.) 30			(0	501 D set Ar	ft Ji b	eg.) 30			(10	60 O set Ar	ft Ji b	leg.) 30	
Load Radius (ft)	150)' Boo 301 O set Ar	m ^{ft} Jib	eg.)		Load Radius (ft)	(10 Boom	40 f	t J ib	eg.)	Rated Load (lbs)	Load Radius (ft)	(501 D set Ar	ft Ji b	eg.)	Rated Load (lbs)	Load Radius (ft)	(60 O set Ar	ft Ji b	leg.) 30 Boom	
Load Padius (ft) 45.0	150 10 Boom Angle (deg.) 78.6)' Boo 30 t 2) set Ar Rated Load (lbs) 24,000*	m ft Jib bgle (d Load Radius (ft)	eg.) 30 Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft) 45.0	(10 Boom Angle (deg.) 80.0	40 f O set An Rated Load (lbs) 24,000*	t Jib gle (d Load Radius	eg.) 30 Boom Angle	Rated Load	Load Radius (ft) 50.0	(10 Boom Angle (deg.) 79.6	50 f D set Ar Rated Load (lbs) 20,000*	ft Jib ngle (d Load Radius	eg.) 30 Boom Angle	Rated Load	Load Radius (ft) 55.0	(10 Boom Angle (deg.) 79.1	60 i O set Ar Rated Load (lbs) 18,000*	ft Jib ngle (o Load Radius	leg.) 30 Boom Angle	Rated Load
Load Padius (ft) 45.0 50.0	150 10 Boom Angle (deg.) 78.6 77.0)' Boo 30 t 2 set Ar Rated (lbs) 24,000* 24,000*	m ft Jib ngle (d Load Radius (ft) 50.0	eg.) 30 Boom Angle (deg.) 79.9	Rated Load (Ibs) 21,000*	Load Radius (ft) 45.0 50.0	(10 Boom Angle (deg.) 80.0 78.5	40 f O set An Rated Load (lbs) 24,000* 24,000 *	t Jib gle (d Load Radius	eg.) 30 Boom Angle	Rated Load	Load Padius (ft) 50.0 55.0	(10 Boom Angle (deg.) 79.6 78.1	50 f 50 set Ar 20,000* 20,000* 20,000*	ft Jib ngle (d Load Radius	eg.) 30 Boom Angle	Rated Load	Load Radius (ft) 55.0 60.0	(10 Boom Angle (deg.) 79.1 77.7	60 0 set Ar Pated Load (lbs) 18,000* 18,000*	ft Jib ngle (o Load Radius	leg.) 30 Boom Angle	Rated Load
Load Padius (ft) 45.0	150 10 Boom Angle (deg.) 78.6)' Boo 30 t 2) set Ar Rated Load (lbs) 24,000*	m ft Jib ngle (d Load Radius (ft)	eg.) 30 Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft) 45.0	(10 Boom Angle (deg.) 80.0	40 f O set An Rated Load (lbs) 24,000*	t Jib gle (d Load Radius	eg.) 30 Boom Angle	Rated Load	Load Radius (ft) 50.0	(10 Boom Angle (deg.) 79.6	50 f D set Ar Rated Load (lbs) 20,000*	ft Jib ngle (d Load Radius	eg.) 30 Boom Angle	Rated Load	Load Radius (ft) 55.0	(10 Boom Angle (deg.) 79.1	60 i O set Ar Rated Load (lbs) 18,000*	ft Jib ngle (o Load Radius (ft) 70.0	leg.) 30 Boom Angle (deg.) 79.9	Rated Load
Load Radius (ft) 45.0 55.0 60.0 65.0	150 10 Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0	Pi Boo 30 1 30 set Ar Pated Load (lbs) 24,000* 24,000* 24,000* 23,800 21,270	M <i>t</i> Jib gle (d Load Radius (ft) 50.0 55.0 60.0 65.0	eg.) 30 Boom Angle (deg.) 79.9 78.1 76.4 74.8	Pated Load (lbs) 21,000* 20,890* 20,150*	Load Radius (ft) 45.0 55.0 60.0 65.0	10 Boom Angle (deg.) 80.0 78.5 76.8 75.3 73.7	40 f 2 set Arr Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24	t Jib gle (d Load Radius (ft) 60.0 65.0	eg.) 30 Boom Angle (deg.) 78.9 77.3	Pated Load (lbs) 14,920* 14,390*	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0	(10 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7	50 1 2 set Ar Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,640	ft Jib ngle (d Load Radius (ft) 65.0 70.0	eg.) 30 Boom Angle (deg.) 79.4 77.9	Rated Load (lbs) 11,330* 10,930*	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0	10 Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4	60 i C set Ar Pated Load (lbs) 18,000* 18,000* 18,000* 18,000* 16,040*	ft Jib ngle (a Load Radius (ft) 70.0 75.0	leg.) 30 Boom Angle (deg.) 79.9 78.3	Pated Load (lbs) 9,060* 8,700*
Load Radius (ft) 45.0 50.0 55.0 60.0	150 10 Boom Angle (deg.) 78.6 77.0 75.3 73.6	 Boo 30 f set Ar Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 23,800 	m gle (d Load Radius (ft) 50.0 55.0 60.0	eg.) 30 Boom Angle (deg.) 79.9 78.1 76.4	Pated Load (lbs) 21,000* 21,000* 20,890*	Load Radius (ft) 45.0 55.0 60.0	10 Boom Angle (deg.) 80.0 78.5 76.8 75.3 73.7 72.1	40 f 2 set An Pated Load (lbs) 24,000* 24,000* 24,000* 24,000*	t Jib gle (d Load Radius (ft) 60.0	eg.) 30 Boom Angle (deg.) 78.9	Pated Load (lbs) 14,920*	Load Padius (ft) 50.0 55.0 60.0 65.0	(<u>Boom</u> <u>Angle</u> (deg.) 79.6 78.1 76.6 75.1	50 1 50 set Ar Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 20,000*	ft Jib ngle (d Load Radius (ft) 65.0	eg.) 30 Boom Angle (deg.) 79.4	Pated Load (lbs) 11,330*	Load Radius (ft) 55.0 60.0 65.0 70.0	10 Boom Angle (deg.) 79.1 77.7 76.3 74.9	60 1 0 set Ar Pated Load (lbs) 18,000* 18,000* 18,000* 17,120*	ft Jib ngle (o Load Radius (ft) 70.0	leg.) 30 Boom Angle (deg.) 79.9 78.3 76.8	Pated Load (lbs) 9,060*
Load Radius (ft) 45.0 55.0 60.0 65.0 70.0 75.0 80.0	150 10 Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8	24,000* 23,000 24,000* 24,000* 23,800 21,270 19,150 17,210 15,670	m gle (d Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0	eg.) 30 Boom Angle (deg.) 79.9 78.1 76.4 74.8 73.1 71.2 69.5	Pated Load (lbs) 21,000* 20,890* 20,150* 19,440* 17,810 16,200	Load Radius (ft) 45.0 55.0 60.0 65.0 70.0 75.0 80.0	(deg.) Boom Angle (deg.) 80.0 78.5 76.8 75.3 73.7 72.1 70.5 68.8	40 f 2 set An Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 15,800 15,890	t Jib gle (d Load Radius (ft) 60.0 65.0 70.0 75.0 80.0	eg.) 30 Boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3	Pated Load (lbs) 14,920* 14,390* 13,910* 13,420* 13,000*	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	(10 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0	50 1 2 set Ar Pated Load (lbs) 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700	ft Jib ogle (d Load Radius (ft) 65.0 70.0 75.0 80.0 85.0	eg.) 30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1	Rated Load (lbs) 11,330* 10,930* 10,530* 10,200* 9,870*	Load Padius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	(10) Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0	60 i C set Ar Pated Load (/bs) 18,000* 18,000* 18,000* 17,120* 16,040* 16,040* 14,350* 13,620	ft Jib gle (a Load Radius (ft) 70.0 75.0 80.0 85.0 90.0	leg.) 30 Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8	Pated Load (lbs) 9,060* 8,700* 8,420* 8,130* 7,890*
Load Radius (ft) 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	150 10 Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1	24,000* 23,000 24,000* 24,000* 24,000* 23,800 21,270 19,150 17,210 15,670 14,300	m <i>t Jib</i> <i>gle</i> (d <i>Load</i> <i>Radius</i> <i>(ft)</i> 50.0 55.0 60.0 65.0 70.0 75.0 80.0 80.0 85.0	eg.) 30 Boom Angle (deg.) 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7	Pated Load (lbs) 21,000* 20,890* 20,150* 19,440* 17,810 16,200 14,790	Load Radius (ft) 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	(deg.) Boom Angle (deg.) 80.0 78.5 76.8 75.3 73.7 72.1 70.5 68.8 67.2	40 f 2 set An Load (bs) 24,000* 24,000* 24,000* 24,000* 15,800 15,890 14,520	t Jib gle (d Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0	eg.) 30 Boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3 70.6	Rated Load (lbs) 14,920* 13,910* 13,910* 13,420* 13,000* 12,630*	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	(deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5	50 1 2 set Ar Rated Load (/bs) 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700 13,490	ft Jib gle (d) Load Radius (ft) 65.0 70.0 75.0 80.0 85.0 90.0	eg.) 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* 10,200* 9,870* 9,590*	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	(10) Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4	60 0 2 set Ar 2 set Ar 1000 18,000* 18,000* 16,040* 15,160* 14,350* 13,620 12,450	ft Jib gle (a Load Radius (ft) (ft) 70.0 75.0 80.0 85.0 90.0 95.0	eg.) 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* 8,420* 8,130* 7,890* 7,620*
Load Padius (ft) 45.0 55.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	150 0 0 0 0 0 0 0 0 0 0 0 0 0	24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 23,800 21,270 19,150 17,210 15,670 14,300 13,110 11,990	m <i>t Jib</i> <i>gle (d</i> <i>Load</i> <i>Radius</i> <i>(ft)</i> <i>50.0</i> <i>55.0</i> <i>60.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>65.0</i> <i>70.0</i> <i>70.0</i> <i>75.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i> <i>80.0</i>	eg.) Boom Angle (deg.) 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9	Pated Load (lbs) 21,000* 20,890* 20,150* 19,440* 17,810 14,790 14,790 13,530 12,360	Load Radius (ft) 45.0 55.0 65.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	10 Boom Angle (deg.) 80.0 78.5 73.7 72.1 70.5 68.8 67.2 65.6 63.8	40 f 2 set Arr Load (/bs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 19,420 17,480 15,890 14,520 13,310 12,190	t Jib gle (d Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	eg.) Boom Angle (deg.) 77.3 75.7 73.9 72.3 70.6 68.9 67.1	Pated Load (lbs) 14,920* 13,910* 13,420* 13,420* 13,000* 12,630* 12,270* 11,920*	Load Padius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 85.0 90.0 95.0 100.0	(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 1 20,000* 20,000* 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700 13,490 12,340 11,390	ft Jib gle (d Image: A straight of the straig	eg.) 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* 10,200* 9,870* 9,590* 9,060*	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	(0 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	60 0 C set Ar Load (lbs) 18,000* 18,000* 18,000* 17,120* 16,040* 15,160* 13,620 12,450 11,500 10,640	ft Jib gle (a Image: A straight of the straig	eg.) 30 Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 72.2 70.6 69.1	Pated Load (lbs) 9,060* 8,700* 8,420* 8,130* 7,890* 7,620* 7,400* 7,200*
Load Padius (ft) 45.0 55.0 65.0 65.0 70.0 70.0 88.0 85.0 90.0 95.0 100.0	1500 100 100 100 100 100 100 100	24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 12,270 19,150 17,210 15,670 14,300 13,110 11,990 11,040	m t Jib ggle (d Load Radius (ft) 50.0 55.0 60.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 85.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 80.	eg.) 30 200 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 63.9 63.9 63.9 63.9	Pated Load (lbs) 21,000* 20,150* 19,440* 17,810 14,790 14,790 13,530 12,360 11,390	Load Padius (ft) 45.0 55.0 60.0 55.0 60.0 65.0 65.0 70.0 75.0 80.0 80.0 80.0 80.0 80.0 90.0 95.0 100.0	(deg.) 80.0 76.8 75.3 73.7 72.1 70.5 68.8 67.2 65.6 63.8 62.1	40 f 2 set Arr Load (/bs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 19,420 17,480 14,520 13,310 12,190 11,240	It Jib ggle (d load Radius radius (ft) d 60.0 65.0 70.0 70.0 80.0 85.0 90.0 95.0 100.0 100.0	eg.) 30 Boom Angle (deg.) 77.3 75.7 75.7 72.3 70.6 68.9 67.1 65.3	Pated Load (lbs) 14,920* 13,910* 13,420* 13,000* 12,630* 12,270* 11,920* 11,610*	Load Padius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 85.0 90.0 90.0 90.0 90.0 91.0 0.0 100.0 100.0	(10 Ecom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 69.0 67.5 69.0 67.5 69.0 69.2 69.0 69.2 69.0 69.2 69.0 69.2 69.0 69.2 69.0 69.2 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 69.0 70.0 70.0 70.0 70.0 70.0	50 1 20,000* 20,000* 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700 13,490 14,700 13,490 14,390 10,530	ft Jib gle (d Image: A straight of the straig	eg.) 30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5	Rated Load (lbs) 11,330* 10,930* 10,530* 10,530* 9,590* 9,590* 9,060* 8,810*	Load Padius (ft) 55.0 60.0 65.0 70.0 80.0 80.0 80.0 90.0 90.0 90.0 91.0 0.0 105.0 110.0	(deg.) 79.1 77.7 76.3 74.9 73.4 71.9 71.9 69.0 67.4 65.9 64.4 62.9	60 0 C set Ar Load (lbs) 18,000* 18,000* 18,000* 17,120* 16,040* 13,620 12,450 11,500 10,640 9,850	ft Jlb gle (a Padius Padius (ft) 70.0 75.0 80.0 90.0 95.0 105.0 105.0	79.9 79.9 78.3 76.8 76.8 75.3 73.8 72.2 70.6 69.1 67.5	Pated Load (lbs) 9,060* 8,700* 8,420* 8,130* 7,890* 7,620* 7,400* 7,200* 7,010*
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2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 20	40 f 2 set An 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 15,830 19,420 17,480 19,420 13,310 13,310 11,240 10,380	t Jib gle (d Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	eg.) 30 Boom Angle (deg.) 77.3 75.7 72.3 75.7 72.3 70.6 68.9 67.1 65.3 63.5	Pated Load (lbs) 14,920* 13,910* 13,910* 13,420* 13,000* 12,630* 12,270* 11,920* 11,920* 11,610* 10,820	Load Padius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 85.0 90.0 95.0 100.0	(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 1 Set Ar. Pated (lbs) 20,000* 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,990 14,700 13,490 13,490 13,390 10,530 9,760	ft Jib gle (d Image: A straight of the straig	eg.) 30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 69.8 66.2 66.5 64.8	Pated Load (lbs) 11,330* 10,930* 10,530* 10,200* 9,590* 9,300* 9,060* 8,810* 8,590*	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	(0 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	60 i Set Ar Pated Load (lbs) 18,000* 18,000* 18,000* 18,000* 16,040* 15,160* 14,350* 13,620 12,450 11,500 10,640 9,850 9,100	ft Jib gle (a Image: A straight of the straig	(deg.) 300 2007 79.9 78.3 76.8 75.3 76.8 73.8 73.8 73.8 73.8 73.8 73.8 73.8 73	Pated Load (lbs) 9,060* 8,700* 8,420* 8,130* 7,800* 7,620* 7,400* 7,200* 7,200* 7,010* 6,830*
Load Radius (ft) 45.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0	150 10 10 10 10 10 10 10 10 10 1	24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 23,800 21,270 19,150 17,210 15,670 14,300 13,190 11,040 10,200 9,430 8,700	m <i>it Jib</i> <i>gle (d</i> <i>Radius</i> <i>f(t)</i> <i>basiling f(t)</i> <i>gle (d</i> <i>Radius</i> <i>gle (d</i> <i>Radius</i> <i>gle (d</i> <i>Radius</i> <i>todal</i> <i>a</i> <i>a</i> <i>a</i> <i>a</i> <i>a</i> <i>a</i> <i>a</i> <i>a</i>	eg.) 30 Boom Angle (deg.) 79.9 78.1 76.4 73.1 71.2 69.5 67.7 63.9 63.9 63.9 63.9 63.9 63.2 56.2 56.1	Pated Load (lbs) 21,000* 20,890* 20,150* 19,440* 17,810 16,200 14,790 13,530 12,360 11,390 10,510 9,720 8,970	Load Radius (tt) 45.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 90.0 95.0 100.0 105.0 110.0 115.0	(deg.) Boom Angle (deg.) 80.0 78.5 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 75.3 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76	40 f 2 set An 24,000* 24,000* 24,000* 24,000* 24,000* 19,420 17,480 19,420 17,480 15,890 14,520 13,310 12,190 11,240 10,380 9,610 8,860	it Jib ggle (cl Radius radius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 90.0 100.0 110.0 115.0	eg.) 30 Boom Angle (deg.) 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 61.7 59.7	Pated Load (lbs) 14,920* 14,390* 13,910* 13,420* 13,420* 12,630* 12,270* 11,610* 10,820 10,030 9,230	Load Radius (ft) 50.0 65.0 65.0 65.0 75.0 80.0 85.0 90.0 90.0 90.0 90.0 100.0 105.0 110.0 115.0 120.0	(deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4	50 1 Set Ar. 20,000* 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700 13,490 12,340 11,390 10,530 9,760 9,010 8,370	Image Image <th< td=""><td>eg.) 30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 66.5 66.5 66.5 64.8 62.9 61.2</td><td>Pated Load (lbs) 11,330* 10,930* 10,530* 10,200* 9,870* 9,300* 9,060* 8,810* 8,590* 8,390* 8,200*</td><td>Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 80.0 90.0 95.0 0 100.0 110.0 1110.0 1115.0</td><td>(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 64.2 59.6 58.0</td><td>60 i Set Ar Pated Load (/bs) 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 13,600* 13,620 12,450 11,500 10,640 9,850 9,100 8,460 7,870</td><td>ft J/b pg/le (a pg/le (a Radius radius (ft) 70.0 75.0 80.0 95.0 100.0 1010.0 115.0 125.0</td><td> (eg.) 30 Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 73.8 73.8 73.8 73.8 73.8 75.3 75.3 75.4 70.6 69.1 65.7 65.7 64.1 62.4 </td><td>Pated Load (lbs) 9,060* 8,700* 8,420* 8,130* 7,890* 7,620* 7,400* 7,010* 6,830* 6,650* 6,500*</td></th<>	eg.) 30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 66.5 66.5 66.5 64.8 62.9 61.2	Pated Load (lbs) 11,330* 10,930* 10,530* 10,200* 9,870* 9,300* 9,060* 8,810* 8,590* 8,390* 8,200*	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 80.0 90.0 95.0 0 100.0 110.0 1110.0 1115.0	(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 64.2 59.6 58.0	60 i Set Ar Pated Load (/bs) 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 13,600* 13,620 12,450 11,500 10,640 9,850 9,100 8,460 7,870	ft J/b pg/le (a pg/le (a Radius radius (ft) 70.0 75.0 80.0 95.0 100.0 1010.0 115.0 125.0	 (eg.) 30 Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 73.8 73.8 73.8 73.8 73.8 75.3 75.3 75.4 70.6 69.1 65.7 65.7 64.1 62.4 	Pated Load (lbs) 9,060* 8,700* 8,420* 8,130* 7,890* 7,620* 7,400* 7,010* 6,830* 6,650* 6,500*
Load Radius (ft) 45.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0	150 10 10 10 10 10 10 10 10 10 1	24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 23,800 21,270 19,150 17,210 15,670 14,300 13,110 11,940 10,200 9,430 8,700 8,090	m <i>it Jib</i> <i>gle (d</i> <i>Padius</i> <i>f(t)</i> <i>badius</i> <i>f(t)</i> <i>badius</i> <i>f(t)</i> <i>badius</i> <i>f(t)</i> <i>badius</i> <i>f(t)</i> <i>badius</i> <i>f(t)</i> <i>badius</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i></i>	eg.) 30 Boom Angle (deg.) 79.9 78.1 76.4 73.1 71.2 69.5 67.7 65.9 63.9 63.9 63.9 63.9 63.2 54.0 54.0	Pated Load (lbs) 21,000* 20,890* 20,150* 19,440* 17,810 16,200 14,790 13,530 12,360 11,390 10,510 9,720 8,970 8,310	Load Radius (ft) 45.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 90.0 95.0 100.0 105.0 100.0 115.0 115.0	(deg.) 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Load (lbs) 14,920* 14,390* 13,910* 13,420* 13,420* 12,630* 12,270* 11,610* 10,820 10,030 9,230	Load Radius (ft) 50.0 65.0 65.0 65.0 75.0 80.0 85.0 90.0 90.0 90.0 90.0 100.0 105.0 110.0 115.0 120.0	(deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4	50 1 Set Ar. 20,000* 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700 13,490 12,340 11,390 10,530 9,760 9,010 8,370	Image Image <th< td=""><td>eg.) 30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 66.5 66.5 66.5 64.8 62.9 61.2</td><td>Pated Load (lbs) 11,330* 10,930* 10,530* 10,200* 9,870* 9,300* 9,060* 8,810* 8,590* 8,390* 8,200*</td><td>Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 80.0 90.0 95.0 0 100.0 110.0 1110.0 1115.0</td><td>(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 64.2 59.6 58.0</td><td>60 i Set Ar Pated Load (/bs) 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 13,600* 13,620 12,450 11,500 10,640 9,850 9,100 8,460 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Load Radius (ft) 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 105.0 105.0 110.0 115.0 125.0 130.0 135.0	150 10 10 10 10 10 10 10 10 10 1	24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 23,800 19,150 17,210 15,670 14,300 13,110 11,990 11,040 10,200 9,430 8,700 8,700 8,7510 6,980 6,500	m <i>it Jib</i> <i>gle (d</i> <i>Padius</i> <i>f(t)</i> <i>badius</i> <i>f(t)</i> <i>badius</i> <i>f(t)</i> <i>badius</i> <i>f(t)</i> <i>badius</i> <i>f(t)</i> <i>badius</i> <i>f(t)</i> <i>badius</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> 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65.0 7 5.0 80.0 75.0 80.0 90.0 90.0 95.0 100.0 105.0 110.0 115.0 130.0 135.0 145.0 155.0	(deg) 79.6 78.1 78.1 78.7 72.1 70.5 65.8 65.8 65.8 65.8 65.9 59.1 57.4 55.7 53.9 52.0 50.0 48.1 46.0 43.9	50 1 Set Ar. 20,000* 20,000* 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700 13,490 12,340 11,390 10,530 9,760 9,010 8,370 7,250 6,740 6,260 4,980*	ft Jib gle (d agle (d adius (ft) 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	eg.) 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 64.8 62.9 64.2 59.3 57.5 55.6	Rated Load (lbs) 11,330* 10,930* 10,530* 10,500* 9,870* 9,590* 9,300* 9,500* 8,610* 8,590* 8,200* 7,620 7,090	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 110.0 115.0 130.0 133.0 140.0 135.0 145.0 155.0 160.0	(deg.) 79.1 77.7 76.3 74.9 73.4 71.9 73.4 71.9 73.4 71.9 73.4 71.9 70.5 69.0 67.4 65.9 61.2 65.9 61.2 59.6 65.9 61.2 59.6 51.2 54.6 51.2 54.6 51.2 54.6 51.2 54.6 51.2 54.6 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Load Radius (ft) 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 90.0 105.0 110.0 115.0 120.0 135.0 140.0 145.0 145.0	150 10 10 10 10 10 10 10 10 10 1	24,000* 24,000* 24,000* 24,000* 24,000* 23,800 21,270 19,150 17,210 15,670 14,300 13,110 11,040 10,200 9,430 8,700 8,090 7,510 6,980 6,500 6,010* 5,420* 4,820* 4,250*	m it Jib gle (d Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 105.0 105.0 125.0 125.0	eg.) 30 Boom Angle (deg.) 79.9 78.1 76.4 73.1 71.2 69.5 67.7 65.9 63.9 63.9 63.9 63.9 63.9 63.2 54.0 54.0	Pated Load (lbs) 21,000* 20,890* 20,150* 19,440* 17,810 16,200 14,790 13,530 12,360 11,390 10,510 9,720 8,970 8,310	Load Radius (ti) 45.0 55.0 60.0 65.0 75.0 80.0 80.0 80.0 90.0 90.0 100.0 100.0 105.0 110.0 125.0 130.0 135.0 140.0 155.0 145.0 165.0	(deg.) 80.0 78.5 76.8 75.3 73.7 72.1 70.5 65.8 67.2 65.8 67.2 65.8 62.1 60.3 58.6 52.9 51.0 49.0 49.0 49.0 46.7 44.6 42.3 39.9 37.3	40 f 2 set An 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 19,420 17,480 19,420 17,480 13,310 12,190 11,240 10,380 9,610 8,860 8,240 7,670 7,140 6,630 6,170 5,750 5,220* 4,690* 4,140*	it Jib gle (d Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 105.0 115.0 125.0 130.0	eg.) 30 Boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 64.7 59.7 57.8 55.8	Rated Load (lbs) 14,920* 14,390* 13,910* 13,420* 13,000* 12,630* 12,270* 11,920* 10,820 10,030 9,230 8,570 7,950	Load Radius (ft) 50.0 65.0 65.0 65.0 75.0 80.0 75.0 80.0 90.0 105.0 105.0 110.0 115.0 125.0 140.0 145.0 155.0 160.0 165.0	(deg.) 79.6 78.1 78.1 78.1 78.1 78.1 78.1 78.1 78.1	50 1 Set Ar. 20,000* 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700 13,490 12,340 11,390 12,340 11,390 12,340 11,390 12,340 11,390 12,340 12,340 12,340 12,340 12,340 12,350 9,760 9,760 9,760 9,760 9,760 9,760 9,7780 7,780 7,250 6,740 6,260 5,840 4,980* 4,450* 3,990*	ft Jib ingle (dl Image (dl ingle (dl Radius ingle (dl Radius 65.0 70.0 75.0 80.0 85.0 90.0 90.0 90.0 105.0 105.0 110.0 115.0 120.0 130.0 135.0 140.0	eg.) 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 64.8 62.9 64.2 59.3 57.5 55.6	Rated Load (lbs) 11,330* 10,930* 10,530* 10,500* 9,870* 9,590* 9,300* 9,500* 8,610* 8,590* 8,200* 7,620 7,090	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 105.0 110.0 125.0 135.0 135.0 140.0 135.0 145.0 155.0 160.0 165.0 175.0	(deg.) 79.1 76.3 74.9 73.4 71.9 73.4 71.9 73.4 71.9 73.4 71.9 73.4 71.9 73.4 71.9 73.4 71.9 73.4 71.9 73.4 71.9 73.4 65.9 61.2 59.6 52.8 51.0 55.8 51.0 55.8 51.0 51.0 52.8 51.0 51.0 51.0 51.0 51.0 51.0 51.0 51.0	60 i Set Ar Pated Load (lbs) 18,000* 18,000* 18,000* 18,000* 16,040* 15,160* 13,620 12,450 11,5040 9,850 9,100 8,460 7,870 7,340 6,830 6,340 5,530 5,530 5,555* 4,670* 4,230* 3,790*	ft JIb pgle (a pgle (a Radius (ft) 70.0 75.0 80.0 95.0 100.0 105.0 110.0 125.0 135.0 145.0 145.0	eg.) 30 2007 279.9 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* 7,620* 7,400* 7,200* 7,200* 6,500* 6,500* 6,210* 6,200* 5,970*

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

Fixed Jib Lift Capacity

Full Counterweight: 69,000 lbs Carbody Weight: 31,800

	160)' Boo	m																				
			t Ji b						it J ib			50 ft Jib				60 ft Jib							
) set Ar	igle (d	0 /				0 set An	igle (d					0 set An	ngle (d	0 /) set Ar	ngle (d	0 /	
Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom	Rated	Load	30 Boom	Rated
Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	(deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (Ibs)	Radius (ft)	Angle (deg.)	Load (Ibs)	Radius (ft)	Angle (deg.)	Load (Ibs)
45.0 50.0	79.2 77.7	24,000* 24,000 *				50.0 55.0	79.0 77.5	24,000* 24,000*				55.0 60.0	78.7 77.3	20,000* 20,000*				55.0 60.0	79.6 78.3	18,000* 18,000 *			
55.0	76.1	24,000*	55.0	78.8	21,000*	60.0	76.0	24,000*	60.0	79.5	15,120*	65.0	75.9	20,000*	65.0	80.0	11,440*	65.0	76.9	18,000*			
60.0	74.5	23,720	60.0	77.2	21,000*	65.0	74.6	21,470	65.0	78.0	14,590*	70.0	74.5	19,530	70.0	78.5	11,060*	70.0	75.6	17,650*	70.0	80.4	9,140 *
65.0 70.0	73.0 71.4	21,180 19,040	65.0 70.0	75.6 74.0	20,500* 19,730	70.0 75.0	73.1 71.5	19,310 17,370	70.0 75.0	76.4 74.8	14,100* 13,640*	75.0 80.0	72.9 71.5	17,570 15,980	75.0 80.0	77.0 75.5	10,670* 10,330 *	75.0 80.0	74.1 72.8	16,570* 15,670 *	75.0 80.0	78.9 77.5	8,810* 8,530 *
75.0	69.7	17,100	75.0	72.3	17,720	80.0	70.0	15,780	80.0	73.2	13,220*	85.0	70.1	14,590	85.0	74.0	10,030*	85.0	71.4	14,700	85.0	76.1	8,240*
80.0	68.1	15,540	80.0	70.7	16,090	85.0	68.4	14,410	85.0	71.7	12,850*	90.0	68.6	13,350	90.0	72.5	9,740*	90.0	70.0	13,490	90.0	74.6	8,000*
85.0 90.0	66.5 64.8	14,190 12,980	85.0 90.0	69.0 67.3	14,680 13,440	90.0 95.0	66.9 65.2	13,200 12,050	90.0 95.0	70.1 68.4	12,500* 12,140*	95.0 100.0	67.0 65.5	12,210 11,260	95.0 100.0	70.9 69.3	9,450* 9,210 *	95.0 100.0	68.5 67.1	12,340 11,370	95.0 100.0	73.1 71.6	7,760* 7,530 *
95.0	63.0	11,860	95.0	65.5	12,270	100.0	63.6	11,110	100.0	66.7	11,640	105.0	64.0	10,400	105.0	67.8	8,970*	105.0	65.7	10,490	105.0	70.2	7,310*
100.0	61.3	10,910	100.0	63.8	11,280	105.0	62.0	10,250	105.0	65.1	10,730	110.0	62.5	9,610	110.0	66.2	8,770*	110.0	64.2	9,720	110.0	68.7	7,140*
105.0 110.0	59.6 57.9	10,070 9,300	105.0 110.0	62.0 60.2	10,400 9,610	110.0 115.0	60.4 58.6	9,470 8,730	110.0 115.0	63.4 61.5	9,920 9,120	115.0 120.0	60.8 59.2	8,860 8,220	115.0 120.0	64.5 62.8	8,550* 8,350 *	115.0 120.0	62.7 61.2	8,970 8,310	115.0 120.0	67.0 65.5	6,940* 6,790 *
115.0	55.9	8,550	115.0	58.2	8,840	120.0	56.9	8,090	120.0	59.8	8,460	125.0	57.6	7,620	125.0	61.1	8,090	125.0	59.7	7,730	125.0	63.9	6,610*
120.0	54.1	7,930	120.0	56.3	8,200	125.0	55.1	7,510	125.0	58.0	7,840	130.0	55.9	7,090	130.0	59.4	7,510	130.0	58.1	7,180	130.0	62.3	6,480*
125.0 130.0	52.2 50.2	7,360 6,830	125.0 130.0	54.4 52.4	7,580 7,030	130.0 135.0	53.3 51.5	6,960 6,480	130.0 135.0	56.1 54.2	7,270 6,760	135.0 140.0	54.2 52.4	6,590 6,100	135.0 140.0	57.6 55.7	6,980 6,450	135.0 140.0	56.5 54.8	6,670 6,190	135.0 140.0	60.7 58.9	6,340* 6,210 *
130.0	50.2 48.2	6,320	130.0	JZ.4	1,030	140.0	31.5 49.5	6,400 5,990	140.0	54.2 52.1	6,260	140.0	52.4	5,680	140.0	53.8	6,430 5,990	140.0	53.2	6,190 5,770	140.0	50.9 57.1	6,080*
140.0	46.0	5,860				145.0	47.5	5,570				150.0	48.7	5,290	150.0	51.9	5,570	150.0	51.5	5,370	150.0	55.4	5,750
145.0 150.0	43.9 41.6	5,310* 4,760 *				150.0 155.0	45.5 43.4	5,090*				155.0 160.0	46.8 44.7	4,800*				155.0 160.0	49.7 47.8	4,960* 4,490 *	155.0 160.0	53.5 51.5	5,350
155.0	41.0 39.2	4,700 4,230*				160.0	41.1	4,580 * 4,050*				165.0	44.7	4,320* 3,880*				165.0	47.0 46.0	4,490 4,050*	100.0	51.5	4,960
160.0	36.6	3,680*				165.0	38.7	3,590*				170.0	40.6	3,430*				170.0	44.1	3,650*			
165.0	33.9	3,170*				170.0	36.3	3,100*				175.0	38.3	3,020*				175.0	42.1	3,240*			
Ree	ves	1	Ree	ves	1	Ree	eves	1	Ree	eves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1
	4-																						
	170)' Boo			1			40 +	it lib					50 t	54 <i>lib</i>					601	54 lib		
		301	t Ji b	lea.)					t Jib ale (d	lea.)			(ft Ji b ale (d	ea.)			(ft Ji b ale (d	ea.)	
			t Ji b	leg.) 30			10	0 set An		leg.) 30	· 		(0 set An		eg.) 30			() set Ar		eg.) 30	
Load Radius (ft)	(10 Boom Angle	30 f Set Ar Rated Load	t Ji b gle (d Load Radius	30 Boom Angle	Rated Load	Load Radius (ft)	10 Boom Angle	O set An Rated Load	gle (d Load Radius	30 Boom Angle	Rated Load	Load Radius (ft)	10 Boom Angle	O set An Rated Load	gle (d Load Radius	30 Boom Angle	Rated Load (lbs)	Load Radius (ft)	10 Boom Angle	D set Ar Rated Load	igle (d Load Radius	30 Boom Angle	Pated Load (lbs)
	(10 Boom	30 f Set Ar	t Ji b gle (d Load	30 Boom	Rated		10 Boom	C set An Rated Load (lbs) 24,000*	gle (d	30 Boom	Rated		10 Boom	O set An	igle (d	30 Boom			10 Boom	D set Ar Rated Load (lbs) 18,000*	igle (d	30 Boom	
Radius (ft) 45.0 50.0	(10 Boom Angle (deg.) 79.8 78.3	30 f Set Ar Rated Load (lbs) 24,000* 24,000*	t Jib gle (d Load Radius (ft)	30 Boom Angle (deg.)	Rated Load (lbs)	Radius (ft) 50.0 55.0	10 Boom Angle (deg.) 79.6 78.1	2 set An Rated Load (lbs) 24,000* 24,000*	Ingle (d	30 Boom Angle (deg.)	Rated Load (lbs)	Radius (ft) 55.0 60.0	10 Boom Angle (deg.) 79.2 77.9	2 set An Rated Load (lbs) 20,000* 20,000 *	gle (d Load Radius	30 Boom Angle	Load	Radius (ft) 55.0 60.0	10 Boom Angle (deg.) 80.0 78.8	Set Ar Rated Load (lbs) 18,000* 18,000*	igle (d Load Radius	30 Boom Angle	Load
Radius (ft) 45.0 50.0 55.0	(10 Boom Angle (deg.) 79.8 78.3 76.8	30 t 2 set Ar Rated Load (lbs) 24,000* 24,000* 24,000*	t Jib gle (d Load Radius (ft) 55.0	30 Boom Angle (deg.) 79.4	Rated Load (Ibs) 21,000*	Radius (ft) 50.0 55.0 60.0	10 Boom Angle (deg.) 79.6 78.1 76.7	Rated Load (lbs) 24,000* 23,800	gle (d Load Radius (ft) 60.0	30 Boom Angle (deg.) 80.0	Rated Load (Ibs) 15,290*	Radius (ft) 55.0 60.0 65.0	10 Boom Angle (deg.) 79.2 77.9 76.5	Rated Load (lbs) 20,000* 20,000* 20,000*	Ingle (d Load Radius (ft)	30 Boom Angle (deg.)	Load (Ibs)	Radius (ft) 55.0 60.0 65.0	10 Boom Angle (deg.) 80.0 78.8 77.5	Set Ar Rated Load (lbs) 18,000* 18,000* 18,000*	igle (d Load Radius	30 Boom Angle	Load
Radius (ft) 45.0 50.0	(10 Boom Angle (deg.) 79.8 78.3	30 f Set Ar Rated Load (lbs) 24,000* 24,000*	t Jib gle (d Load Radius (ft)	30 Boom Angle (deg.)	Pated Load (lbs) 21,000* 21,000* 20,830*	Radius (ft) 50.0 55.0	10 Boom Angle (deg.) 79.6 78.1 76.7 75.3	Rated Load (lbs) 24,000* 23,800 21,250 19,090	Ingle (d	30 Boom Angle (deg.)	Pated Load (Ibs) 15,290* 14,770 * 14,300*	Radius (ft) 55.0 60.0	10 Boom Angle (deg.) 79.2 77.9	2 set An Rated Load (lbs) 20,000* 20,000 *	gle (d Load Radius	30 Boom Angle	Load	Radius (ft) 55.0 60.0	10 Boom Angle (deg.) 80.0 78.8	Set Ar Rated Load (lbs) 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 18,000*	igle (d Load Radius	30 Boom Angle (deg.)	Load (lbs) 8,900*
Radius (ft) 45.0 55.0 60.0 65.0 70.0	(deg.) 79.8 76.8 75.3 73.8 72.4	30 f Seet Ar Pated Load (bs) 24,000* 24,000* 24,000* 24,000* 23,500 20,940 18,820	t Jib gle (d Load Radius (ft) 55.0 60.0 65.0 70.0	30 Boom Angle (deg.) 79.4 77.9 76.4 74.9	Pated Load (lbs) 21,000* 20,830* 19,530	Padius 50.0 55.0 60.0 65.0 70.0 75.0	10 Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4	Rated Load (lbs) 24,000* 23,800 21,250 19,090 17,150	gle (d Load Radius (ft) 60.0 65.0 70.0 75.0	30 Boom Angle (deg.) 80.0 78.6 77.1 75.6	Pated Load (lbs) 15,290* 14,770* 14,300* 13,840*	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0	10 Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4	Rated Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350 15,760	gle (d Load Radius (ft) 70.0 75.0 80.0	30 Boom Angle (deg.) 79.1 77.6 76.2	Load (lbs) 11,170* 10,800* 10,490*	Padius (ft) 55.0 60.0 65.0 70.0 75.0 80.0	10 Boom Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6	Set Ar Rated Load (lbs) 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 17,080* 15,890	Transformed and the second sec	30 Boom Angle (deg.) 79.4 78.1	Load (Ibs) 8,900* 8,610 *
Radius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0	(deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8	30 f set Ar Rated Load (lbs) 24,000* 24,000* 24,000* 23,500 20,940 18,820 16,880	t Jib gle (d Load Radius (ft) 55.0 60.0 65.0 70.0 75.0	30 Boom Angle (deg.) 79.4 77.9 76.4 74.9 73.2	Rated Load (lbs) 21,000* 21,000* 20,830* 19,530 17,520	Radius 50.0 55.0 60.0 65.0 70.0 75.0 80.0	10 Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0	Rated Load (lbs) 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560	gle (d Load Radius (ft) 60.0 65.0 70.0 75.0 80.0	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) 55.0 60.0 65.0 70.0 75.0 80.0 85.0	10 Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0	Rated Load (lbs) 20,000* 20,000* 20,000* 10,000* 17,350 15,760 14,370	gle (d Load Radius (ft) 70.0 75.0 80.0 85.0	30 Boom Angle (deg.) 79.1 77.6 76.2 74.8	Load (lbs) 11,170* 10,800* 10,490* 10,180*	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0	10 Boom Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6 72.3	Set Ar Pated Load (lbs) 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 17,080* 15,890 14,500	gle (d. Load Radius (ft) 75.0 80.0 85.0	30 Boom Angle (deg.) 79.4 78.1 76.7	Load (lbs) 8,900* 8,610* 8,350*
Padius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	(10 Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 75.4 73.8 75.4 73.8 75.4 75.3 73.8 75.4 75.4 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 75.6 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 75.6 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 75.6 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 75.6 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 75.6 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 75.6 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 75.6 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 75.6 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 75.6 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 75.6 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 75.6 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 75.6 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 75.6 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	30 f set Ar Rated Load (lbs) 24,000* 24,000* 24,000* 23,500 20,940 18,820 16,880 15,320 13,950	t Jib gle (d Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0	30 Boom Angle (deg.) 79.4 77.9 76.4 74.9 73.2 71.7 70.1	Pated Load (lbs) 21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480	Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	10 Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1	D set Ar Pated Load (lbs)	60.0 65.0 70.0 75.0 80.0 85.0 90.0	30 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6 71.1	Pated Load (lbs) 15,290* 14,770* 14,300* 13,840* 13,420* 13,050* 12,690*	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	10 Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2	D set Ar Pated Load (lbs)	Told Construction Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told ToldTold Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told Told T	30 Boom Angle (deg.) 79.1 77.6 76.2 74.8 73.4 71.9	Load (lbs) 11,170* 10,800* 10,490* 10,180* 9,890* 9,610*	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	10 Boom Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5	D set Ar Pated Load (lbs) Load (lbs) 18,000* 18,000* 18,000* 18,000* 18,000* 15,890 14,500 13,270 12,100 12,100	75.0 80.0 85.0 90.0 95.0	30 Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9	Load (lbs) 8,900* 8,610* 8,350* 8,110* 7,870*
Padius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	(10) Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 75.3 73.8 75.4 70.8 69.3 67.7 66.2	30 f set Ar Rated Load (lbs) 24,000* 24,000* 24,000* 23,500 20,940 18,820 16,880 15,320 13,950 12,740	t Jib gle (d Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	30 Boom Angle (deg.) 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6	Rated Load (lbs) 21,000* 21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480 13,240	Radius (ft) 50.0 55.0 60.0 65.0 70.0 70.0 75.0 80.0 85.0 90.0 95.0	10 Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5	Seef Arr. Pated Load (/bs) 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170 12,960 11,810	60.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	30 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 72.6 71.1 69.5	Pated Load (lbs) 15,290* 14,770* 14,300* 13,840* 13,420* 13,050* 12,690* 12,360*	Padius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	10 Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7	Seef Arr Pated Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350 14,370 13,130 11,990 11,020	70.0 75.0 80.0 95.0 100.0	30 Boom Angle (deg.) 79.1 77.6 76.2 74.8 73.4 71.9 70.4	Load (lbs) 11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,360*	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	10 Boom Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2	D set Ar Pated Load (bs) 18,000* 18,000* 18,000* 18,000* 18,000* 15,890 14,500 13,270 12,100 11,150	75.0 80.0 95.0 90.0 95.0 100.0	30 Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5	Load (lbs) 8,900* 8,610* 8,350* 8,110* 7,870* 7,640*
Padius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	(10 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	30 f Set Ar Pated Load (bs) 24,000* 24,000* 24,000* 24,000* 24,000* 23,500 20,940 18,820 16,880 15,320 13,950 12,740 11,610	t Jib gle (d Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	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) 21,000* 21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480 13,240 12,050	Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	10 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	Set Ar. Pated Load (lbs) 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170 12,960 11,810 10,860	60.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	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	Pated Load (lbs) 15,290* 14,770* 14,300* 13,840* 13,420* 13,050* 12,690* 12,360* 11,440	Padius 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	10 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	D set Arr Parted Load (/bs) 20,000* 20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 13,130 11,990 11,020 10,160	70.0 75.0 80.0 90.0 95.0 100.0 105.0	30 Boom Angle (deg.) 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9	Load (lbs) 11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,360* 9,120*	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	10 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	D set Ar Pated Load (lbs) 18,000* 18,000* 18,000* 18,000* 13,000* 15,890 14,500 13,270 12,100 11,150 10,270	75.0 80.0 95.0 90.0 95.0 100.0 105.0	30 Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1	Load (/bs) 8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450*
Padius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	(10) Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 75.3 73.8 75.4 70.8 69.3 67.7 66.2	30 f set Ar Rated Load (lbs) 24,000* 24,000* 24,000* 23,500 20,940 18,820 16,880 15,320 13,950 12,740	t Jib gle (d Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	30 Boom Angle (deg.) 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6	Rated Load (lbs) 21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480 13,240	Radius 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	10 Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 69.5 68.1 66.5 65.0 63.5 61.9	Seef Arr. Pated Load (/bs) 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170 12,960 11,810	60.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	30 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 72.6 71.1 69.5	Pated Load (lbs) 15,290* 14,770* 14,300* 13,840* 13,420* 13,050* 12,690* 12,360*	Padius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	10 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	Seef Arr Pated Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350 14,370 13,130 11,990 11,020	70.0 75.0 80.0 95.0 100.0	30 Boom Angle (deg.) 79.1 77.6 76.2 74.8 73.4 71.9 70.4	Load (lbs) 11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,360*	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	10 Boom Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2	D set Ar Pated Load (bs) 18,000* 18,000* 18,000* 18,000* 18,000* 15,890 14,500 13,270 12,100 11,150	75.0 80.0 95.0 90.0 95.0 100.0 105.0 110.0 115.0	30 Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5	Load (lbs) 8,900* 8,610* 8,350* 8,110* 7,870* 7,870* 7,450* 7,450* 7,250* 7,050*
Padius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	(deg.) 79.8 78.3 76.8 75.3 73.8 73.8 73.8 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7	30 1 Set Ar Pated Load (Ibs) 24,000* 24,000* 24,000* 24,000* 23,500 20,940 18,820 16,880 15,320 13,950 13,950 12,740 11,610 10,670 9,810 9,060	t Jb gle (cl Acad Radius (t) 55.0 60.0 65.0 70.0 80.0 80.0 80.0 90.0 95.0 100.0 105.0 105.0 105.0	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	Pated Load (lbs) 21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390	Radius 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0	10 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	Sect Ar. Rated Load (lbs) 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170 12,960 11,810 10,860 10,000 9,230 8,480	gle (d Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0	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 64.8 63.1	Pated Load (lbs) 15,290* 14,770* 14,300* 13,840* 13,050* 12,690* 12,660* 11,440 10,530 9,720 8,920	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0	10 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	D set Ar Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 10,310 17,350 15,760 13,130 11,990 11,020 10,160 9,390 8,610 7,980 10,160	70.0 75.0 80.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0	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	Load (lbs) 11,170* 10,800* 10,180* 9,610* 9,610* 9,120* 8,900* 8,680* 8,500	Radius 65.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 120.0	10 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	D set Ar Pated Load (lbs) 18,000* 18,000* 18,000* 18,000* 18,000* 17,080* 15,890 14,500 13,270 12,100 11,150 10,270 9,470 8,730 8,090	75.0 80.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0	30 Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7	Load (lbs) 8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,450* 7,050* 6,900*
Pactius (ft) 45.0 50.0 50.0 60.0 65.0 70.0 70.0 70.0 80.0 80.0 90.0 95.0 100.0 115.0	(10) 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	30 1 30 set Ar Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 16,880 13,950 11,610 10,670 9,810 9,810 11,610 10,670 9,810 11,610 10,670 9,810 11,610 10,670 9,810 11,610 10,670 9,810 11,610 10,670 9,810 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670 10,670	t Jb gle (d Radius (t) 55.0 60.0 65.0 70.0 75.0 85.0 85.0 90.0 90.0 90.0 90.0 90.0 105.0 110.0 115.0	300 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	Pated Load (lbs) 21,000* 21,000* 20,830* 19,530 17,520 14,480 13,240 12,050 11,080 10,200 9,390 8,610	Padius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 120.0	10 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	D set Ar Rated Load (lbs) 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170 12,960 10,860 10,000 9,230 8,480 7,840 7,840	gle (d Load Padius (ft) 60.0 65.0 70.0 75.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0	300 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 75.6 74.1 75.6 68.0 66.4 64.8 63.1 61.5	Pated Load (lbs) 15,290* 14,770* 14,300* 13,840* 13,420* 13,650* 12,690* 11,440 10,530 9,720 8,920 8,240	Radius (ft) 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	10 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	D set Ar Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 10,310 17,350 15,760 13,130 11,020 10,160 9,390 8,610 7,980 7,400 7,400	gle (d Load Padius (t) 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 125.0	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	Load (lbs) 11,170* 10,800* 10,490* 10,180* 9,610* 9,360* 9,120* 8,900* 8,680* 8,500 7,890	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 115.0 125.0	10 Boom Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6 71.0 69.5 68.2 66.8 65.5 64.0 62.6 61.1	D set Ar Pated Load (lbs) 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 17,080* 17,080* 14,500 13,270 12,100 11,150 10,270 9,470 8,730 8,090 7,490	gle (d/ Radius (it) 75.0 80.0 85.0 90.0 90.0 90.0 90.0 91.0 105.0 110.0 115.0 125.0	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	Load (ibs) 8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,450* 7,450* 7,450* 6,900* 6,740*
Padius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	(deg.) 79.8 78.3 76.8 75.3 73.8 73.8 73.8 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7	30 1 Set Ar Pated Load (Ibs) 24,000* 24,000* 24,000* 24,000* 23,500 20,940 18,820 16,880 15,320 13,950 13,950 12,740 11,610 10,670 9,810 9,060	t Jb gle (cl Acad Radius (t) 55.0 60.0 65.0 70.0 80.0 80.0 80.0 90.0 95.0 100.0 105.0 105.0 105.0	300 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	Pated Load (lbs) 21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390	Radius 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0	10 Ecom 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	Sect Ar. Rated Load (lbs) 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170 12,960 11,810 10,860 10,000 9,230 8,480	gle (d Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0	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 64.8 63.1	Pated Load (lbs) 15,290* 14,770* 14,300* 13,840* 13,050* 12,690* 12,660* 11,440 10,530 9,720 8,920	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0	10 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	D set Ar Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 10,310 17,350 15,760 13,130 11,990 11,020 10,160 9,390 8,610 7,980 10,160	70.0 75.0 80.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0	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	Load (lbs) 11,170* 10,800* 10,180* 9,610* 9,610* 9,120* 8,900* 8,680* 8,500	Radius 65.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 120.0	10 Boom Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6 71.0 69.5 68.2 66.8 65.5 64.0 62.6 61.1	D set Ar Pated Load (lbs) 18,000* 18,000* 18,000* 18,000* 18,000* 17,080* 15,890 14,500 13,270 12,100 11,150 10,270 9,470 8,730 8,090	75.0 80.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0	30 Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7	Load (lbs) 8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,450* 7,050* 6,900*
Padius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 105.0 115.0 125.0 130.0	(10) Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 64.5 64.5 64.5 64.5 64.5 64.5 61.3 59.7 57.9 56.2 54.4 52.6	30 1 30 set Ar Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 23,500 20,940 18,820 16,880 13,950 12,740 11,610 9,810 9,810 9,060 8,310 7,670 7,090 6,560	t Jb gle (d Radius (t) 55.0 60.0 65.0 70.0 75.0 80.0 80.0 85.0 90.0 95.0 100.0 105.0 100.0 115.0 125.0 130.0	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 56.5 54.7	Pated Load (lbs) 21,000* 21,000* 20,830* 19,530 17,520 15,890 13,240 12,050 11,080 10,200 9,390 8,610 7,360 6,810	Padius 50.0 55.0 55.0 60.0 65.0 70.0 70.0 80.0 90.0 90.0 90.0 95.0 100.0 105.0 110.0 120.0 125.0 130.0 135.0 135.0	10 2007 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 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115.0 125.0 130.0 135.0 140.0	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	Load (lbs) 11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,360* 8,900* 8,680* 8,500 7,890 7,890 7,890 7,310 6,760 6,260	Padius 55.0 60.0 65.0 65.0 75.0 80.0 80.0 80.0 80.0 80.0 80.0 80.0 10.0 100.0 105.0 110.0 115.0 115.0 125.0 135.0 135.0 135.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0 140.0	10 Boom Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6 71.0 69.5 68.2 66.8 65.5 64.0 65.5 64.0 65.5 64.0 65.5 64.0 65.5 64.0 65.5 65.5 65.5 64.0 59.7 58.2 56.6	D set Ar Pated Load (lbs) Load (lbs) 18,000* 18,000* 18,000* 17,080* 17,080* 15,890 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Padius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 125.0 130.0 145.0 145.0 150.0	(10) Boom Angle (deg.) 79.8 76.8 75.3 73.8 75.3 73.8 73.8 73.8 73.8 69.3 69.3 69.3 67.7 66.2 64.5 62.9 61.3 59.7 54.4 55.2 54.4 50.8 48.8 46.8 44.8	30 1 2 set Ar Pated Load (/bs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 18,820 15,320 16,880 15,320 16,880 16,880 16,680 16,680 16,670 9,810 9,660 8,310 7,670 6,560 6,080 5,590 5,040* 4,550 1,040* 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,040* 4,540* 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,040* 1,050 1,050 1,050 1,050 1,040* 1,050 1,050 1,050 1,050 1,040* 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050 1,050	t Jb gle (d Radius (t) 55.0 60.0 65.0 70.0 75.0 80.0 80.0 85.0 90.0 95.0 100.0 105.0 100.0 115.0 125.0 130.0	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 56.5 54.7	Pated Load (lbs) 21,000* 21,000* 20,830* 19,530 17,520 15,890 13,240 12,050 11,080 10,200 9,390 8,610 7,360 6,810	Padius (ft) 50.0 55.0 60.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 135.0 140.0 145.0 155.0	10 2007 2016 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 20	Seef Ar. Pated Load (lbs) 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170 12,960 11,810 10,860 10,000 9,230 8,480 7,840 7,270 6,720 5,750 5,290* 4,780* 4,320*	gle (d Load Radius (t) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 95.0 100.0 110.0 110.0 110.0 115.0 125.0 130.0 135.0 140.0	300 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2007 2	Pated Load (lbs) 15,290* 14,770* 14,300* 13,840* 13,420* 13,050* 12,690* 12,690* 11,440 10,530 9,720 8,920 7,640 7,070 6,540 6,040	Pacifius 55.0 60.0 65.0 65.0 65.0 65.0 65.0 65.0 70.0 75.0 80.0 85.0 99.0 95.0 105.0 105.0 105.0 115.0 1225.0 135.0 135.0 135.0 140.0 145.0 145.0 155.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 160.0 155.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0	10 2007 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 20	Seef Ar. Pated Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350 13,130 11,990 11,020 10,160 9,380 8,610 7,980 7,400 6,850 5,860 5,440 4,996* 4,490* 4,030*	gle (d Load Padius (t) 70.0 75.0 80.0 95.0 100.0 95.0 100.0 105.0 110.0 125.0 125.0 135.0 140.0 135.0 140.0 145.0	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	Load (lbs) 11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,360* 9,120* 8,800* 8,800* 8,800* 8,800 7,890 7,310 6,760 6,260 5,790 5,370	Padius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 80.0 85.0 90.0 95.0 105.0 110.0 115.0 1120.0 115.0 130.0 140.0 140.0 140.0 155.0 160.0	10 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 55.1 53.5 51.9 50.1 48.5	Set Ar Pated Load (lbs) 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 17,080* 15,890 14,500 13,270 12,100 11,150 10,270 9,470 8,730 8,090 7,490 6,450 5,5530 5,070* 4,620* 4,160*	gle (d) Radius (t) 75.0 800 85.0 90.0 95.0 100.0 105.0 110.0 125.0 130.0 135.0 140.0 140.0 155.0 160.0	30 Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 60.7 62.2 60.5 58.9 57.3 55.6 53.8	Load (lbs) 8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,450* 7,450* 7,250* 6,740* 6,740* 6,740* 6,590* 6,450* 6,450* 5,970 5,550 5,150 4,670*

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

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.

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Fixed Jib Lift Capacity

Full Counterweight: 69,000 lbs Carbody Weight: 31,800

	180)' Boo	m																				
			t Ji b					40 f	t J ib					50 1	ft J ib					60 1	t J ib		
) set An	gle (d	0 /) set An	gle (d	0 /				O set Ar	ngle (d	0 /				D set Ar	ngle (d	0 /	
Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom	Rated	Load	30 Boom	Rated
Radius (ft)	Angle (deg.)	Load (Ibs)	Radius (ft)	Angle (deg.)	Load (Ibs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (Ibs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (Ibs)
50.0	78.9	22,200*				55.0	78.7	21,670*				55.0	79.7	20,000*				60.0	79.3	18,000*			
55.0 60.0	77.4 76.0	21,750* 21,360*	55.0 60.0	79.9 78.5	21,000* 20,870*	60.0 65.0	77.3 76.0	21,270* 20,870*	65.0	79.1	14,940*	60.0 65.0	78.4	20,000 * 20,000*				65.0 70.0	78.0 76.8	18,000 * 18,000*			
65.0	74.6	21,300 20,700	65.0	77.1	20,870 20,500*	70.0	70.0 74.7	18,840	70.0	77.7	14,480*	70.0	75.9	19,060	70.0	79.6	11,300*	70.0 75.0	75.5	17,230	75.0	79.9	8,990*
70.0	73.2	18,560	70.0	75.6	19,310	75.0	73.2	16,880	75.0	76.3	14,020*	75.0	74.5	17,100	75.0	78.2	10,930*	80.0	74.3	15,650	80.0	78.6	8,700*
75.0 80.0	71.7 70.3	16,600 15,030	75.0 80.0	74.1 72.6	17,300 15,670	80.0 85.0	71.9 70.5	15,290 13,910	80.0 85.0	74.9 73.5	13,620* 13,240*	80.0 85.0	73.2 71.9	15,490 14,100	80.0 85.0	76.9 75.5	10,600* 10,310*	85.0 90.0	73.0 71.8	14,240 13,020	85.0 90.0	77.3 76.0	8,460 * 8,200*
85.0	68.8	13,660	85.0	71.2	14,240	90.0	69.1	12,690	90.0	72.1	12,890*	90.0	70.6	12,890	90.0	74.2	10,030*	95.0	70.4	11,860	95.0	74.6	7,950*
90.0	67.4	12,470	90.0	69.7	13,000	95.0	67.6	11,550	95.0	70.5	12,210	95.0	69.2	11,720	95.0	72.7	9,740*	100.0	69.2	10,890	100.0	73.3	7,760*
95.0 100.0	65.8 64.3	11,330 10,380	95.0 100.0	68.1 66.5	11,810 10,820	100.0 105.0	66.2 64.8	10,600 9,740	100.0 105.0	69.1 67.6	11,190 10,290	100.0 105.0	67.8 66.5	10,750 9,890	100.0	71.4 70.0	9,500 * 9,280*	105.0 110.0	67.9 66.6	10,000 9,230	105.0 110.0	72.0 70.7	7,530* 7,360*
105.0	62.8	9,540	105.0	65.0	9,940	110.0	63.3	8,970	110.0	66.1	9,470	110.0	65.1	9,100	110.0	68.5	9,060*	115.0	65.2	8,460	115.0	69.2	7,160*
110.0	61.3	8,770	110.0	63.4	9,140	115.0	61.8	8,200	115.0	64.5	8,680	115.0	63.6	8,350	115.0	67.0	8,840*	120.0	63.8	7,820	120.0	67.8	7,010*
115.0 120.0	59.6 58.0	8,020 7,380	115.0 120.0	61.7 60.1	8,370 7,710	120.0 125.0	60.3 58.8	7,560 6,980	120.0 125.0	63.0 61.4	8,000 7,380	120.0 125.0	62.2 60.8	7,710 7,120	120.0 125.0	65.6 64.1	8,280 7,640	125.0 130.0	62.5 61.1	7,230 6,670	125.0 130.0	66.4 65.0	6,850 * 6,700*
125.0	56.4	6,810	125.0	58.4	7,090	130.0	57.2	6,430	130.0	59.8	6,830	130.0	59.3	6,560	130.0	62.6	7,070	135.0	59.7	6,150*	135.0	63.6	6,540*
130.0	54.7 53.0	6,280	130.0	56.8	6,540	135.0	55.6 53.9	5,950	135.0 140.0	58.2	6,300	135.0	57.8	6,080	135.0	61.1	6,540	140.0	58.2	5,590*	140.0	62.0	6,210
135.0 140.0	53.0 51.2	5,770 * 5,180*	135.0 140.0	55.0 53.1	6,040 5,480*	140.0 145.0	53.9 52.3	5,370 * 4,870*	140.0	56.4 54.7	5,770 5,260*	140.0 145.0	56.2 54.7	5,510* 5,020*	140.0 145.0	59.4 57.8	6,010 5,510*	145.0 150.0	56.8 55.3	5,110* 4,620*	145.0 150.0	60.5 59.0	5,700* 5,220*
145.0	49.4	4,650*	145.0	51.3	4,960*	150.0	50.6	4,380*	150.0	53.0	4,760*	150.0	53.1	4,540*	150.0	56.2	5,020*	155.0	53.8	4,210*	155.0	57.5	4,760*
150.0 155.0	47.6 45.7	4,160* 3,680 *				155.0 160.0	48.8 46.9	3,920* 3,460 *				155.0 160.0	51.5 49.8	4,100* 3,630 *	155.0 160.0	54.5 52.7	4,560* 4,070 *	160.0 165.0	52.2 50.6	3,760* 3,370 *	160.0 165.0	55.8 54.1	4,290* 3,880 *
160.0	43. 7	3,000 **********************************				165.0	40.9 45.1	3,400 *				165.0	49.0 48.1	3,240*	100.0	JZ./	4,070	105.0	0.00	3,370	170.0	52.4	3,480 *
			_			_			_						<u> </u>			_					
Ree		1 V P oo		ves	1	Ree	ves	1	Ree	ves	1	Ree	eves	1	Ree	eves	1	Ree	ves	1	Ree	ves	1
	190)' Boo	it Jib			1		40.4	t Jib					501	ft Jib			1		601	t J ib		
	() set An		eg.)			() set An		eg.)			(C set Ar		eg.)			(D set Ar		eg.)	
	10			30			10	-		30			10			30			10		Ĺ	30	
Load Radius (ft)	Boom Angle (deg.)	Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (Ibs)
50.0 55.0	79.4 78.0	19,440* 19,020 *				55.0 60.0	79.2 77.9	18,950* 18,560 *				60.0 65.0	78.9 77.7	18,470* 18,070*				60.0 65.0	79.7 78.5	18,000* 17,960 *			
60.0	76.7	18,620*	60.0	79.0	18,250*	65.0	76.6	18,160*	65.0	79.6	15,100*	70.0	76.5	17,700*				70.0	77.4	17,590*			
65.0	75.4	18,250*	65.0	77.7	17,870*	70.0	75.4	17,810*	70.0	78.3	14,660*	75.0	75.2	16,930	75.0	78.7	11,040*	75.0	76.1	17,080		70.1	0 700*
70.0 75.0	74.0 72.6	17,870* 16,420	70.0 75.0	76.3 74.9	17,520* 17,150	75.0 80.0	74.0 72.7	16,710 15,120	75.0 80.0	76.9 75.6	14,190* 13,800*	80.0 85.0	73.9 72.7	15,320 13,930	80.0 85.0	77.5 76.2	10,730* 10,420 *	80.0 85.0	74.9 73.8	15,470 14,060	80.0 85.0	79.1 77.9	8,790* 8,550*
80.0	71.2	14,850	80.0	73.5	15,520	85.0	71.4	13,730	85.0	74.3	13,420*	90.0	71.4	12,690	90.0	74.9	10,160*	90.0	72.6	12,830	90.0	76.6	8,310*
85.0 90.0	69.9 68.5	13,490 12,270	85.0 90.0	72.1 70.7	14,080 12,850	90.0 95.0	70.1 68.7	12,520 11,370	90.0 95.0	72.9 71.5	13,090 * 12,050	95.0 100.0	70.1 68.8	11,550 10,580	95.0 100.0	73.5 72.2	9,870 * 9,630*	95.0 100.0	71.3 70.1	11,680 10,710	95.0 100.0	75.3 74.1	8,060* 7,840*
95.0	67.0	11,150	95.0	69.2	11,660	100.0	67 . 3	10,420	100.0		11,040	105.0	67.5	9,720	105.0	70.9	9,410*	105.0	68.8	9,830	105.0	72.8	7,640*
100.0 105.0	65.6 64.1	10,200 9,340	100.0 105.0	67.7 66.3	10,670 9,780	105.0 110.0	66.0 64.6	9,540 8,770	105.0 110.0	68.7 67.3	10,140 9,320	110.0 115.0	66.2 64.8	8,920 8,170	110.0 115.0	69.6 68.1	9,190* 8,810	110.0 115.0	67.6 66.3	9,030 8,260 *	110.0 115.0	71.5 70.2	7,450* 7,270 *
110.0	62.7	9,540 8,570	110.0	64.8	8,970	115.0	63.1	8,020	115.0	65.8	8,530	120.0	63.5	7,510	120.0	66.7	8,130	120.0	65.0	7,580*	120.0	68.9	7,090*
115.0	61.1	7,840	115.0	63.2	8,200	120.0	61.7	7,380	120.0	64.3	7,840	125.0	62.1	6,900*	125.0	65.3	7,490	125.0	63.7	6,940*	125.0	67.5	6,940 *
120.0 125.0	59.6 58.1	7,200 6,630	120.0 125.0	61.7 60.1	7,530 6,940	125.0 130.0	60.3 58.8	6,790 6,190 *	125.0 130.0	62.9 61.4	7,230 6,650	130.0 135.0	60.8 59.4	6,300* 5,750 *	130.0 135.0	63.9 62.5	6,870* 6,300 *	130.0 135.0	62.4 61.1	6,370* 5,820 *	130.0 135.0	66.2 64.8	6,790* 6,480 *
130.0	56.6	6,040*	130.0	58.5	6,370	135.0	57.4	5,640*	135.0	59.9	6,080*	140.0	57.9	5,200*	140.0	60.9	5,730*	140.0	59.7	5,260*	140.0	63.4	5,900*
135.0 140.0	55.0 53.3	5,460* 4,890*	135.0 140.0	56.9 55.2	5,790 * 5,220*	140.0 145.0	55.8 54.2	5,070 * 4,580*	140.0	58.2 56.6	5,510 * 4,980*	145.0 150.0	56.4 55.0	4,710 * 4,250*	145.0	59.5 57.9	5,220 * 4,730*	145.0 150.0	58.3 56.9	4,780* 4,340*	145.0 150.0	62.0 60.5	5,400 * 4,930*
145.0	51.6	4,380*	145.0	53.5	4,690*	150.0	54.2 52.7	4,120*	150.0	55.0	4,490*	150.0 155.0	53.5	3,810*	155.0	56.4	4,290*	155.0	55.5	3,900 *	155.0	59.1	4,470*
150.0 155.0	50.0 48.2	3,920* 3,460 *	150.0	51.8	4,210*	155.0 160.0	51.0 49.3	3,680* 3,210 *	155.0	53.4	4,030*	160.0	51.8	3,370*	160.0 165.0	54.7 53.1	3,830* 3,410 *	160.0 165.0	54.0 52.6	3,480* 3,080 *	160.0 165.0	57.5 56.0	4,030* 3,610 *
100.0	40. 2	3,400				100.0	43.3	J,Z IU							0.001	JJ.1	J,410°	103.0	J2.0	3,000	170.0	56.0 54.4	3,010 " 3,240*
Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Rec	eves	1	Rec	ves	1	Ree	ves	1	Ree	ves	1
1			1.00	100					1.00	100		1400	100		1 100	100		100			1.00		

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

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.

Refer to notes on page 20.

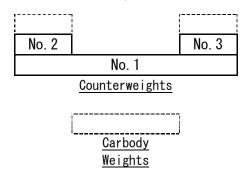
Supplemental Data - Clamshell

- Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
- Rated loads do not exceed 66% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
- 3. The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
 - Machine shall be positively secured to prevent shifting.
 - Boom backstops are required for all boom length.
 - Gantry must be fully raised position for all operations.
 - Crawlers must be fully extended and be locked in position.
 - Must have 43,600 lbs (2) Counterweights installed, and without carbody weights.
- 4. Do not attempt to lift where no radius on load is listed as crane may tip or collapse.
- Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine rated loads.
- 6. Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
- 7. The boom should be erected over the front of the crawlers, not laterally.
- 8. Least stable position is over the side.
- 9. Maximum hoist load for number of reeving parts of line for hoist rope.

Maximum Load for Main Boom

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

- 10. 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 oth than that specified can reduce operating capacity.
- Assembling the Counterweight 43,600 lbs counterweight (No. 1 ~ No. 3) Without Carbody weights



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

Clamshell

Boom:

Welded lattice construction using tubular, high-tensile steel chords with pin connections between each section. Basic boom length: 40 ft (12.2 m) Max. boom length: 120 ft (36.6 m) Limit on clamshell bucket weight: 4,600 lbs (2,100 kg) Optional tagline: Hydraulic operated type and spring type.

Boom Component Chart:

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

Base = Boom Base

Insert: A = 10 ft (3.05 m)

B = 20 ft (6.10 m)

C = 40 ft (12.2 m)

Tip = Boom Tip

1. Figures represent maximum allowable capacity, and assume level, ground and ideal working conditions.

2. Capacities are calculated at 66% of the minimum tipping loads.

3. Capacities are maximum recommended by PCSA Standard #4. Allowances must be made by the user for such unfavorable conditions as a sort of uneven supporting surface, rapid cycle operations, or bucket.

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

3 Counterweights (43,600 lbs) - Without Carbody weights - Crawlers in extended position.

			, F(5				
4)' Boo	m	50)' Boo	m	6)' Boo	m
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	360 [°] Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (Ibs)
22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	63.7 60.5 57.1 53.5 49.8 45.9 41.7 37.0 31.8 25.7	22,000 * 22,000 * 22,000 * 22,000 * 22,000 * 21,400 * 20,200 * 19,200 * 18,200 *	 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 	64.3 61.7 59.0 56.3 53.5 50.5 47.4 44.2 40.7 37.0 32.9 28.3	22,000 * 22,000 * 22,000 * 21,400 * 20,200 * 19,200 * 18,200 * 16,500 * 15,800 * 15,200 *	30.0 32.0 34.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 54.0 54.0 58.0	64.6 62.5 60.3 58.1 55.8 53.4 51.0 48.4 45.8 43.0 40.1 37.0 33.6 29.9 25.7	22,000 * 22,000 * 21,400 * 20,200 * 19,200 * 18,200 * 16,500 * 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 *

Clamshell

3 Counterweights (43,600 lbs) - Without Carbody weights - Crawlers in extended position.

70)' Boo	m	80)' Boo	m	9(m	
Load	Boom	360°	Load	Boom	36 <i>0</i> °	Load	Boom	360°
Radius		Rated Load	Radius		Rated Load	Radius	Angle	Rated Load
(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)
34.0	64.9	21,400 *	38.0	65.1	19,200 *	42.0	65.2	17,300 *
36.0	63.1	20,200 *	40.0	63.5	18,200 *	44.0	63.8	16,500 *
38.0 40.0	61.2 59.3	19,200 * 18,200 *	42.0 44.0	61.9 60.2	17,300 * 16,500 *	46.0 48.0	62.4 60.9	15,800 * 15,200 *
42.0	57.4	17,300 *	46.0	58.6	15,800 *	50.0	59.5	14,600 *
44.0	55.4	16,500 *	48.0	56.9	15,200 *	52.0	58.0	14,000 *
46.0 48.0	53.4 51.3	15,800 * 15,200 *	50.0	55.1 53.3	14,600 *	54.0	56.4	13,500 *
40.0 50.0	49.1	14,600 *	52.0 54.0	51.5	14,000 * 13,500 *	56.0 58.0	54.9 53.3	13,000 * 12,500 *
52.0	46.9	14,000 *	56.0	49.6	13,000 *	60.0	51.7	12,100 *
54.0	44.6	13,500 *	58.0	47.7	12,500 *	62.0	50.0	11,700 *
56.0 58.0	42.2 39.6	13,000 * 12,500 *	60.0 62.0	45.7 43.7	12,100 * 11,700 *	64.0 66.0	48.3 46.6	11,400 * 11,000 *
60.0	37.0	12,100 *	64.0	41.5	11,400 *	68.0	44.8	10,700 *
62.0	34.1	11,700 *	66.0	39.3	11,000 *	70.0	43.0	10,400 *
64.0 66.0	31.0 27.6	11,400 * 11,000 *	68.0 70.0	37.0 34.5	10,700 * 10,400 *	72.0 74.0	41.0 39.0	10,100 * 9,700
00.0	27.0	11,000	72.0	31.8	10,100 *	76.0	36.9	9,200
			74.0	28.9	9,800 *	78.0	34.7	9,000
			76.0	25.7	9,400 *	80.0 82.0	32.4 29.9	8,500 8,300
						84.0	29.9	7,900
								,
10	0' Boo	om	11	0' Boo	om	12	0' Boo	om
Load	Boom	360°	Load	Boom	360 [°]	Load	Boom	360°
Load Radius	Boom Angle	360 [°] Rated Load	Load Radius	Boom Angle	360 [°] Rated Load	Load Radius	Boom Angle	360 [°] Rated Load
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 [°] Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (Ibs)
Load Radius (ft) 46.0	Boom Angle (deg.) 65.4	360° Rated Load (lbs) 15,800 *	Load Radius (ft) 56.0	Boom Angle (deg.) 62.0	360° Rated Load (lbs) 11,900 *	Load Radius (ft) 56.0	Boom Angle (deg.) 64.5	360° Rated Load (Ibs) 11,400 *
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 [°] Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (Ibs)
Load Radius (ft) 46.0 48.0 50.0 52.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 *	Load Radius (ft) 56.0 58.0 60.0 62.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 *	Load Padius (ft) 56.0 58.0 60.0 62.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 *
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2	360° Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 *	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1	360° Rated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 *	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 * 10,800 *
Load Radius (ft) 46.0 48.0 50.0 52.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 *	Load Radius (ft) 56.0 58.0 60.0 62.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 *	Load Padius (ft) 56.0 58.0 60.0 62.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 *
Load Padius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1	360° Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 13,000 * 12,500 * 12,100 *	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,800 * 10,400 * 10,100	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 * 10,800 * 10,600 * 10,200 * 9,900
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0 62.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7	360° Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 13,000 * 12,500 * 12,100 * 11,700 *	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,800 * 10,400 * 10,100 9,700	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 * 10,800 * 10,600 * 10,200 * 9,900 9,500
Load Padius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1	360° Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 13,000 * 12,500 * 12,100 *	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,800 * 10,400 * 10,100	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 * 10,800 * 10,600 * 10,200 * 9,900
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 56.0 58.0 60.0 62.0 64.0 66.0 68.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 12,500 * 12,100 * 12,100 * 11,700 * 11,400 * 11,000 *	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 66.0 68.0 70.0 72.0 74.0 74.0 76.0 78.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 10,400 * 10,400 * 10,400 * 10,100 9,700 9,300 8,900 8,500	Load Radius (ft) 56.0 58.0 62.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 74.0 76.0 78.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 10,800 * 10,600 * 10,200 * 9,900 9,500 9,500 9,100 8,800 8,400
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 12,500 * 12,100 * 11,700 * 11,700 * 11,400 * 11,000 * 10,700 *	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 64.0 68.0 70.0 72.0 74.0 74.0 76.0 78.0 80.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4	360° Rated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 10,800 * 10,400 * 10,400 * 10,100 9,700 9,300 8,900 8,500 8,200	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 74.0 76.0 78.0 80.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 10,800 * 10,600 * 10,200 * 9,900 9,500 9,500 9,100 8,800 8,400 8,100
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 56.0 58.0 60.0 62.0 64.0 66.0 68.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 12,500 * 12,100 * 12,100 * 11,700 * 11,400 * 11,000 *	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 66.0 68.0 70.0 72.0 74.0 74.0 76.0 78.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 10,400 * 10,400 * 10,400 * 10,100 9,700 9,300 8,900 8,500	Load Radius (ft) 56.0 58.0 62.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 74.0 76.0 78.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 10,800 * 10,600 * 10,200 * 9,900 9,500 9,100 8,800 8,400 8,400 8,100 7,700 7,400
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8 47.3 45.7 44.1	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 * 11,700 * 11,400 * 11,400 * 11,000 * 10,700 * 10,300 9,900 9,400 9,000	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 41.9	360° Rated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 10,800 * 10,400 * 10,400 * 10,400 * 10,100 9,700 9,300 8,900 8,900 8,900 8,500 8,200 7,900 7,500 7,200	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 68.0 70.0 72.0 74.0 74.0 74.0 78.0 80.0 82.0 84.0 84.0 86.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8 49.6 48.3 47.0	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 * 10,800 * 10,600 * 10,200 * 9,900 9,500 9,500 9,500 9,100 8,800 8,400 8,400 8,100 7,700 7,400 7,100
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0 62.0 64.0 66.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8 47.3 45.7 44.1 42.4	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 * 11,700 * 11,400 * 11,400 * 10,700 * 10,300 9,900 9,400 9,000 8,800	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 74.0 76.0 78.0 80.0 82.0 84.0 84.0 86.0 88.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 41.9 40.3	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 10,800 * 10,400 * 10,400 * 10,400 * 10,100 9,700 9,300 8,900 8,500 8,200 7,900 7,500 7,200 7,000	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 74.0 76.0 78.0 80.0 82.0 84.0 84.0 86.0 88.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8 49.6 48.3 47.0 45.7	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 10,800 * 10,600 * 10,200 * 9,900 9,500 9,100 8,800 8,400 8,400 8,100 7,700 7,400 7,100 6,800
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0 62.0 64.0 64.0 66.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0 80.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8 47.3 45.7 44.1 42.4 40.6	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 12,500 * 12,100 * 11,700 * 11,400 * 11,400 * 10,700 * 10,300 9,900 9,400 9,900 8,800 8,300	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 74.0 76.0 78.0 80.0 82.0 84.0 84.0 86.0 88.0 90.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 41.9 40.3 38.6	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 10,800 * 10,400 * 10,400 * 10,400 * 10,100 9,700 9,300 8,900 8,900 8,900 8,900 8,500 8,200 7,900 7,500 7,200 7,200 7,000 6,800	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 74.0 76.0 78.0 80.0 82.0 84.0 82.0 84.0 85.0 88.0 90.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8 49.6 48.3 47.0 45.7 44.3	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 10,800 * 10,600 * 10,200 * 9,900 9,500 9,100 8,800 8,400 8,400 8,100 7,700 7,400 7,100 6,800 6,600
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0 62.0 64.0 64.0 64.0 68.0 72.0 74.0 74.0 76.0 78.0 80.0 82.0 84.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8 47.3 45.7 44.1 42.4 40.6 38.8 36.9	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 12,500 * 12,100 * 11,700 * 11,400 * 10,300 9,900 9,400 9,900 8,800 8,300 8,100 7,700	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 74.0 76.0 78.0 80.0 82.0 84.0 84.0 84.0 88.0 90.0 92.0 94.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 41.9 40.3 38.6 36.9 35.1	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 10,400 * 10,400 * 10,400 * 10,400 * 10,400 * 10,400 * 3,900 8,900 8,900 8,500 8,200 7,900 7,500 7,200 7,500 7,200 7,000 6,800 6,600 6,400	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 84.0 84.0 88.0 90.0 92.0 94.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.6 54.5 53.3 52.1 50.8 49.6 48.3 47.0 45.7 44.3 42.9 41.5	360° Pated Load (lbs) 11,400 * 11,300 * 11,200 * 10,800 * 10,600 * 10,200 * 9,900 9,500 9,100 8,800 8,400 8,400 8,400 8,400 8,400 7,700 7,400 7,100 6,800 6,600 6,400 6,200
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8 47.3 45.7 44.1 42.4 40.6 38.8 36.9 35.0	360° Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 12,500 * 12,100 * 12,100 * 11,400 * 11,400 * 10,700 * 10,300 9,900 9,400 9,900 8,800 8,300 8,300 8,100 7,700 7,400	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 72.0 74.0 78.0 80.0 82.0 84.0 88.0 90.0 92.0 94.0 96.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 41.9 40.3 38.6 36.9 35.1 33.3	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 10,400 * 10,400 * 10,400 * 10,400 * 10,400 * 10,400 * 10,400 * 3,900 8,900 8,900 8,900 8,500 8,200 7,900 7,500 7,200 7,500 7,200 7,500 6,800 6,600 6,400 6,200	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 72.0 74.0 72.0 80.0 82.0 84.0 88.0 90.0 92.0 94.0 96.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 54.5 53.3 52.1 50.8 49.6 48.3 47.0 45.7 44.3 42.9 41.5 40.0	360° Pated Load (lbs) 11,400 * 11,300 * 11,200 * 10,800 * 10,600 * 10,200 * 9,900 9,500 9,100 8,800 8,400 8,400 8,400 8,400 7,700 7,400 7,700 7,400 7,100 6,800 6,600 6,400 6,200 6,000
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 82.0 84.0 88.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8 47.3 45.7 44.1 42.4 40.6 38.8 36.9 35.0 32.9	360° Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 12,500 * 12,100 * 11,700 * 11,400 * 11,400 * 10,700 * 10,300 9,900 9,400 9,900 8,800 8,300 8,800 8,300 8,100 7,700 7,400 7,200	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 72.0 74.0 76.0 80.0 82.0 84.0 88.0 90.0 92.0 94.0 96.0 98.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 45.0 43.4 41.9 40.3 38.6 36.9 35.1 33.3 31.3	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 10,400 * 10,400 * 10,400 * 10,400 * 10,400 * 10,400 * 10,400 * 3,900 8,900 8,900 8,900 8,500 8,200 7,900 7,500 7,500 7,500 7,500 7,500 7,200 7,500 6,800 6,600 6,600 6,400 6,200 5,900	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 72.0 74.0 72.0 80.0 82.0 84.0 88.0 90.0 92.0 94.0 92.0 94.0 95.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 54.5 53.3 52.1 50.8 49.6 48.3 47.0 45.7 44.3 42.9 41.5 40.0 38.5	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 10,800 * 10,600 * 10,200 * 9,900 9,500 9,100 8,800 8,400 8,400 8,400 8,400 7,700 7,400 7,700 7,400 7,100 6,800 6,600 6,400 6,200 6,000 5,700
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 74.0 76.0 78.0 80.0 82.0 84.0 82.0 84.0 82.0 84.0 90.0 92.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8 47.3 45.7 44.1 42.4 40.6 38.8 36.9 35.0 32.9 30.7 28.3	360° Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 12,500 * 12,500 * 12,500 * 12,100 * 11,700 * 11,400 * 10,700 * 10,300 9,900 9,400 9,900 8,800 8,300 8,300 8,300 8,100 7,700 7,400 7,200 7,000 6,800	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0 88.0 90.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 45.0 43.4 41.9 40.3 38.6 36.9 35.1 33.3 31.3 29.2 27.0	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 10,400 * 10,400 * 10,400 * 10,400 * 10,400 * 10,400 * 10,400 * 10,400 * 3,900 8,900 8,900 8,900 8,500 8,500 7,500 7,500 7,500 7,200 7,500 7,500 5,500	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 72.0 74.0 72.0 74.0 76.0 72.0 74.0 80.0 82.0 84.0 86.0 88.0 90.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8 49.6 48.3 47.0 45.7 44.3 42.9 41.5 40.0 38.5 36.9 35.3	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 10,800 * 10,600 * 10,200 * 9,900 9,500 9,100 8,800 8,400 8,400 8,400 8,400 7,700 7,400 7,700 7,400 7,700 6,800 6,600 6,600 6,600 6,200 6,500 5,500 5,300
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0 62.0 64.0 66.0 68.0 68.0 70.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 82.0 84.0 82.0 84.0 90.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8 47.3 45.7 44.1 42.4 40.6 38.8 36.9 35.0 32.9 30.7	360° Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 12,500 * 12,100 * 12,100 * 11,700 * 11,400 * 11,400 * 10,300 9,900 9,400 9,900 9,400 9,900 8,800 8,300 8,800 8,300 8,100 7,700 7,400 7,200 7,000	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0 88.0 90.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 45.0 43.4 41.9 40.3 38.6 36.9 35.1 33.3 31.3 29.2	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 10,400 * 10,400 * 10,400 * 10,400 * 10,400 * 10,400 * 10,400 * 3,900 8,900 8,900 8,900 8,500 8,500 8,500 8,500 7,500 7,500 7,500 7,500 7,500 7,500 7,500 6,800 6,600 6,600 6,400 6,200 5,900 5,700	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 72.0 74.0 72.0 74.0 72.0 74.0 72.0 74.0 80.0 82.0 84.0 86.0 88.0 90.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 92.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 94	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8 49.6 48.3 47.0 45.7 44.3 42.9 41.5 40.0 38.5 36.9 35.3 33.6	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 10,800 * 10,600 * 10,200 * 9,900 9,500 9,100 8,800 8,400 8,400 8,400 8,400 7,700 7,400 7,700 7,400 7,700 6,800 6,600 6,600 6,600 6,200 6,500 5,500 5,300 5,100
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Refer to notes on page 29.

Supplemental Data - Barge

- Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
- Rated loads do not exceed 75% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
- 3. The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
 - Machine shall be positively secured to prevent shifting.
 - Boom backstops are required for all boom length.
 - Gantry must be fully raised position for all operations.
 - Crawlers must be fully extended and be locked in position.
 - Must have 69,000 lbs (5) Counterweights fully installed.
 - Must have 31,700 lbs (2) Carbody weights fully installed.
- 4. Do not attempt to lift where no radius on load is listed as crane may tip or collapse.
- 5. Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine rated loads.
- 6. Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
- 7. When lifting over boom point with jib or auxiliary sheave, rated loads for the boom must be deducted as shown below.

Jib Length	Aux Sheave	30 ft	40 ft	50 ft	60 ft			
Deduct (lbs)	430	Not Applicable						

When auxiliary sheave is used for 8 or 7 reeving parts of line, it is not required to deduct 430 lbs from rated loads.

- 8. To install the jib is prohibited when the machine is on a barge.
- 9. The total load that can be lifted over an auxiliary sheave is the value for 430 lbs deducted from rated load for the boom without auxiliary sheave, but it should not exceed 24,000 lbs.

- 10. Boom lengths that can attach auxiliary sheave are from 40 ft (12.2 m) to 190 ft (57.9 m).
- 11. The boom should be erected over the front of the crawlers, not laterally.
- 12. Least stable position is over the side.
- 13. Maximum hoist load for number of reeving parts of line for hoist rope.

Maximum Load for Main Boom

No. of Parts of line	1	2	3	4	5
Maximum Loads (lbs)	25,200	50,400	75,600	100,800	126,000

No. of Parts of line	6	7	8
Maximum Loads (lbs)	151,200	176,400	220,000

Maximum Load for Auxiliary Sheave

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

14. Weight of recommended hook block.

Hook Block	110 t	77 t	55 t	39 t	12 t ball hook
Weight (lbs)	3,815	1,990	1,875	1,545	660

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

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

Barge

5 Counterweights (69,000 lbs) - 2 Carbody weights (31,800 lbs) - Crawlers in extended position.

ImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImage <th< th=""><th></th><th>40</th><th>Boor</th><th>n</th><th></th><th></th><th></th><th>50</th><th>Boon</th><th>n</th><th></th><th></th><th></th><th>60'</th><th>Boon</th><th>n</th><th></th><th></th></th<>		40	Boo r	n				50	Boo n	n				60'	Boon	n			
Profile Profile Restar Res			3	60° Rated	d Load (lk	os)			30	60° Ratec	Load (lbs)			360° Rated			d Load (lk	Load (lbs)	
11 10 802 200,000* 1.20 81.2 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 91.20 <th< th=""><th>Radius</th><th>Angle</th><th>Machine</th><th>Machine</th><th>Machine</th><th>Machine</th><th>Radius</th><th>Angle</th><th>Machine</th><th>Machine</th><th>Machine</th><th>Machine</th><th>Radius</th><th>Angle</th><th>Machine</th><th>Machine</th><th>Machine</th><th>Machine</th></th<>	Radius	Angle	Machine	Machine	Machine	Machine	Radius	Angle	Machine	Machine	Machine	Machine	Radius	Angle	Machine	Machine	Machine	Machine	
YO' BOOM S0' BOOM 90' BOOM 360' Rated Load (lbs)	12.0 13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0 24.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	79.0 77.5 76.0 73.1 71.6 70.1 68.5 66.9 63.7 60.4 57.0 53.4 49.8 41.2 36.2 31.1	213,300 * 200,800 * 188,100 * 175,900 * 165,500 * 156,300 * 147,800 * 144,500 * 132,800 101,300 89,600 80,900 73,300 67,200 61,700 56,600 51,500	165,500 * 156,300 * 146,400 * 134,600 * 124,900 108,300 95,600 85,600 77,400 70,600 64,800 60,000 55,700 * 51,000 *	126,100 * 122,400 * 116,500 * 103,400 92,000 82,700 75,100 68,700 63,400 58,900 54,700 * 49,700 *	97,800 * 88,400 79,900 72,900 67,000 62,000 57,800 53,700 * 48,400 *	13.0 14.0 15.0 16.0 17.0 18.0 19.0 22.0 24.0 26.0 28.0 30.0 30.0 34.0 36.0 38.0 40.0 44.0 44.0 46.0 48.0	80.0 78.9 77.7 76.6 75.4 74.2 72.9 71.7 69.3 66.8 64.3 61.7 59.1 56.3 53.4 50.3 47.3 44.0 40.4 36.7 62.9 27.6	200,600 * 187,800 * 175,600 * 165,300 * 156,000 * 147,400 * 132,400 115,300 101,000 89,400 80,700 73,000 62,000 57,800 53,600 49,800 47,000 44,300 41,500 38,300	132,200 * 122,900 94,400 84,500 76,400 69,700 63,900 55,000 51,400 48,100 45,400 42,900 40,600 38,200 *	89,500 * 80,700 73,400 67,200 61,900 57,400 53,600 50,100 47,200 44,600 42,200 40,000 37,400 *	75,600 * 70,700 64,900 60,000 55,900 52,300 49,000 46,300 43,800 41,500 39,500	14.0 15.0 16.0 17.0 18.0 20.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 44.0 45.0 55.0	80.7 79.8 78.8 76.8 75.9 74.9 72.9 70.9 68.8 66.7 64.6 62.5 60.3 55.7 55.7 53.4 50.9 48.3 45.8 42.8 39.9 31.2	187,400 * 175,200 * 164,800 * 155,500 * 139,800 * 132,200 115,100 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 40,500 43,800 41,100 39,200 37,200 32,900	118,100 * 105,300 93,000 83,200 75,300 68,700 63,200 58,400 54,200 50,600 47,500 44,600 42,100 39,800 37,700 35,900	78,700 71,600 65,700 60,600 56,200 52,400 49,100 46,100 43,500 41,100 38,900 37,000 35,300	61,500 * 58,400 54,400 50,800 47,700 44,900 42,400 40,200 38,100 36,300 34,800	
YO' BOOM S0' BOOM 90' BOOM 360' Rated Load (lbs) Load Redus (l) (reg) Degree List 1Degree List 2Degree List 150.00* 1Degree List 2Degree List 16.0 81.6 151.000* 1Degree List 150.00* 1Degree List 125.00* 1St.000* 1St.000* 1St.000* 1St.00* 2St.00*			0	7	6	4	Dec		0	6	4	4	Dec		0	F		4	
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Load Redus Degree Machine Ist 1 Degree Machine Ist 1 Degree Machine Ist 2 Degree Machine Ist<		10			l I oad (lk	ns)		00			l I oad (lk	ns)		00			d Load (Ik	ns)	
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	16.0 17.0 18.0 20.0 22.0 24.0 26.0 28.0	80.4 79.6 78.7 77.9 77.1 75.4 73.7 72.0 70.3	151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600 80,800	82,800 75,000			17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0	80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8	149,300 * 146,500 * 139,400 * 131,800 115,100 101,000 89,200 80,500 72,800	74,100 67,700	58,100 *		18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0	81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1	125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600	66,900 61,600			

Refer to notes on page 32.

Barge

5 Counterweights (69,000 lbs) - 2 Carbody weights (31,800 lbs) - Crawlers in extended position.

	100)' Booi	m				110)' Boo	m				120)' Boo	m		
				d Load (lk	ns)				60° Rated	lload (lk	ns)				60° Rated	d Load (Ik	
Load	Boom	0 Degree	1 Degree	2 Degree	2 Degree	Load	Boom	0 Degree	1 Degree	2 Degree	2 Degree	Load	Boom	0 Degree	1 Degree	2 Degree	2 Degree
Radius (ft)	Angle (deg.)	Machine List	Machine List	Machine List	Machine List	Radius (ft)	Angle (deg.)	Machine List	Machine List	Machine List	Machine List	Radius (ft)	Angle (deg.)	Machine List	Machine List	Machine List	Machine List
19.0	81.6	125,600*				20.0	81.8	100,800 *				22.0	81.6	98,700*			
20.0	81.0	123,600 *				22.0	80.8	100,800 *				24.0	80.6	94,200 *			
22.0	79.9	112,200 *				24.0	79.7	96,500 *				26.0	79.6	88,000 *			
24.0	78.7	100,600				26.0	78.6	88,500 *				28.0	78.6	79,900			
26.0 28.0	77.5 76.3	88,900 80,200				28.0 30.0	77.6 76.5	80,200 72,400				30.0 32.0	77.7 76.7	72,200 66,100			
30.0	75.1	72,400				32.0	75.4	66,300				34.0	75.7	61,100	53,000 *		
32.0	74.0	66,300	60,800			34.0	74.3	61,300	55,900 *			36.0	74.7	56,800	51,300		
34.0	72.8	61,300	56,300			36.0	73.2	57,000	51,900			38.0	73.7	52,500	47,900		
36.0	71.6	57,000	52,300	43,500 *		38.0	72.2	52,700	48,600	27.000 *		40.0	72.7	48,700	45,000	33,900 *	
38.0 40.0	70.3 69.1	52,700 48,900	48,900 45,800	42,900 * 42,400 *	34,800 *	40.0 42.0	71.1 70.0	48,900 46,200	45,500 42,900	37,900 * 37,500 *		42.0 44.0	71.7	45,800 43,000	42,200 39,800	33,400 * 33,000 *	
42.0	67.9	46,200	43,100	40,900 *	33,500 *	44.0	68.9	43,400	40,400	37,000 *	28,900 *	46.0	69.7	40,200	37,600	32,800 *	
44.0	66.6	43,400	40,700	38,800	32,500 *	46.0	67.8	40,700	38,200	36,200 *	28,600 *	48.0	68.6	38,300	35,600	32,300 *	
46.0	65.4	40,700	38,500	36,800	31,700 *	48.0	66.6	38,700	36,300	34,600	28,200 *	50.0	67.6	36,300	34,000	31,700 *	24,800 *
48.0	64.1	38,700	36,500	35,000	30,900 *	50.0	65.4	36,600	34,500	32,900	27,900 *	55.0	65.0	32,000	30,200	28,900	24,300 *
50.0 55.0	62.8 59.5	36,600 32,300	34,700 30,800	33,400 29,700	30,000 * 27,800 *	55.0 60.0	62.5 59.5	32,300 28,700	30,500 27,400	29,400 26,400	27,200 * 25,500	60.0 65.0	62.3 59.6	28,300 25,400	27,100 24,400	26,000 23,500	23,600 * 22,700
60.0	56.1	28,700	27,500	29,700	25,500	65.0	56.5	25,900	24,700	23,900	23,300	70.0	56.8	23,400	22,200	23,300	20,800
65.0	52.5	25,900	24,900	24,300	23,600	70.0	53.2	23,500	22,500	21,800	21,200	75.0	53.8	21,200	20,300	19,700	19,100
70.0	48.8	23,500	22,700	22,100	21,500	75.0	49.9	21,400	20,600	20,000	19,500	80.0	50.8	19,400	18,600	18,100	17,600
75.0	44.8	21,400	20,700	20,300	20,000	80.0	46.4	19,600	19,000	18,600	18,200	85.0	47.7	17,700	17,200	16,700	16,300
80.0 85.0	40.5 36.0	19,600 18,100	19,200 17,700	18,800 17,500	18,500 17,200	85.0 90.0	42.6 38.6	18,100 16,800	17,700 16,400	17,300 16,100	17,000 15,700	90.0 95.0	44.3 40.7	16,500 15,300	15,900 14,800	15,600 14,500	15,300 14,300
90.0	30.5	16,900	16,500	16,300	16,100	95.0	34.1	15,600	15,200	15,000	14,800	100.0	36.9	14,200	13,800	13,600	13,400
95.0	24.0	15,800	15,400	15,300	15,100	100.0	29.1	14,600	14,300	14,200	14,000	110.0	27.8	12,600	12,200	12,000	11,900
						105.0	23.2	13,770	13,500	13,300		115.0	22.2	11,840	11,500		
Ree	eves	5	4	2	2	Ree	eves	4	4	2	2	Ree	eves	4	4	2	2
	130)' Booi	m				140)' Boo	m				150)' Boo	m		
			60° Rated	d Load (lk) (20			2		I and /lk	,			2			
Load Radius (ft)	Boom				<u>, </u>					l Load (lk	,				ou ^s raiei	d Load (lk	<u>, </u>
	Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	2 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	2 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	2 Degree Machine List
24.0	(deg.) 81.3	Machine List 85,100 *	Machine	Machine	2 Degree Machine	Radius (ft) 24.0	Angle (deg.) 81.9	0 Degree Machine List 72,900 *	1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius (ft) 26.0	Angle (deg.) 81.7	0 Degree Machine List 62,200 *	1 Degree Machine	2 Degree Machine	2 Degree Machine
24.0 26.0	(deg.) 81.3 80.4	Machine List 85,100 * 83,900 *	Machine	Machine	2 Degree Machine	Radius (ft) 24.0 26.0	Angle (deg.) 81.9 81.1	0 Degree Machine List 72,900 * 71,800 *	1 Degree Machine	2 Degree Machine	2 Degree Machine	<i>Padius</i> (<i>ft</i>) 26.0 28.0	Angle (deg.) 81.7 80.9	0 Degree Machine List 62,200 * 61,300 *	1 Degree Machine	2 Degree Machine	2 Degree Machine
24.0 26.0 28.0	(deg.) 81.3 80.4 79.5	Machine List 85,100 * 83,900 * 78,200 *	Machine	Machine	2 Degree Machine	Radius (ft) 24.0 26.0 28.0	Angle (deg.) 81.9 81.1 80.3	0 Degree Machine List 72,900 * 71,800 * 70,800 *	1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius (ft) 26.0 28.0 30.0	Angle (deg.) 81.7 80.9 80.1	0 Degree Machine List 62,200 * 61,300 * 60,400 *	1 Degree Machine	2 Degree Machine	2 Degree Machine
24.0 26.0	(deg.) 81.3 80.4	Machine List 85,100 * 83,900 * 78,200 * 71,900	Machine	Machine	2 Degree Machine	Radius (ft) 24.0 26.0 28.0 30.0	Angle (deg.) 81.9 81.1	0 Degree Machine List 72,900 * 71,800 * 70,800 * 69,000 *	1 Degree Machine	2 Degree Machine	2 Degree Machine	<i>Padius</i> (<i>ft</i>) 26.0 28.0	Angle (deg.) 81.7 80.9	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 *	1 Degree Machine	2 Degree Machine	2 Degree Machine
24.0 26.0 28.0 30.0	(deg.) 81.3 80.4 79.5 78.6	Machine List 85,100 * 83,900 * 78,200 *	Machine	Machine	2 Degree Machine	Radius (ft) 24.0 26.0 28.0	Angle (deg.) 81.9 81.1 80.3 79.4	0 Degree Machine List 72,900 * 71,800 * 70,800 *	1 Degree Machine	2 Degree Machine	2 Degree Machine	Padius (ft) 26.0 28.0 30.0 32.0	Angle (deg.) 81.7 80.9 80.1 79.4	0 Degree Machine List 62,200 * 61,300 * 60,400 *	1 Degree Machine	2 Degree Machine	2 Degree Machine
24.0 26.0 28.0 30.0 32.0 34.0 36.0	(děg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9	Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600	Machine List	Machine	2 Degree Machine	Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0	Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9	0 Degree Machine List 72,900 * 71,800 * 70,800 * 69,000 * 64,700 * 60,500 56,200	1 Degree Machine	2 Degree Machine	2 Degree Machine	Padius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 51,000 *	1 Degree Machine	2 Degree Machine	2 Degree Machine
24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	(děg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0	Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300	<u>Machine</u> List 46,400 *	Machine	2 Degree Machine	Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1	0 Degree Machine List 72,900 * 71,800 * 69,000 * 69,000 * 64,700 * 60,500 56,200 52,000	1 Degree Machine List	2 Degree Machine	2 Degree Machine	Padius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 59,400 * 57,200 * 54,100 * 51,000 * 48,000	1 Degree Machine List	2 Degree Machine	2 Degree Machine
24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	(dēg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1	Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400	<u>Machine</u> <u>List</u> 46,400 * 44,500	Machine	2 Degree Machine	Padius 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2	0 Degree Machine List 72,900 * 71,800 * 69,000 * 64,700 * 64,700 * 60,500 56,200 52,000 48,200	1 Degree Machine List 41,500 *	2 Degree Machine	2 Degree Machine	Padius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5	O Degree Machine List 62,200 * 61,300 * 59,400 * 57,200 * 54,100 * 51,000 * 48,000 45,200	1 Degree Machine List 37,100 *	2 Degree Machine	2 Degree Machine
24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	(děg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0	Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300	<u>Machine</u> List 46,400 *	Machine	2 Degree Machine	Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1	0 Degree Machine List 72,900 * 71,800 * 69,000 * 69,000 * 64,700 * 60,500 56,200 52,000	1 Degree Machine List	2 Degree Machine	2 Degree Machine	Padius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 59,400 * 57,200 * 54,100 * 51,000 * 48,000	1 Degree Machine List	2 Degree Machine	2 Degree Machine
24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	(dēg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2	Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600	<u>Machine</u> List 46,400 * 44,500 41,700	Machine List	2 Degree Machine	Padius 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4	0 Degree Machine List 72,900 * 71,800 * 69,000 * 64,700 * 60,500 56,200 52,000 48,200 48,200	1 Degree Machine List 41,500 * 40,600 *	2 Degree Machine	2 Degree Machine	Padius 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7	O Degree Machine List 62,200 * 61,300 * 59,400 * 57,200 * 54,100 * 51,000 * 48,000 45,200 42,400	1 Degree Machine List 37,100 * 36,600 *	2 Degree Machine	2 Degree Machine
24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0	(dēg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4	Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000	Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300	Machine List 29,700 * 29,400 * 29,100 *	2 Degree Machine	Padius 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0	Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4 73.5 72.7 71.8	0 Degree Machine List 72,900 * 71,800 * 69,000 * 64,700 * 60,500 56,200 52,000 48,200 48,200 45,400 42,600 39,800 37,800	1 Degree Machine List 41,500 * 40,600 * 38,900 36,800 34,900	2 Degree Machine	2 Degree Machine	Padius 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 45.0 50.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7 73.9 73.1 72.3	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 51,000 * 48,000 45,200 42,400 39,600 37,500	1 Degree Machine List 37,100 * 36,600 * 35,800 * 34,500 32,800	2 Degree Machine List 23,300 *	2 Degree Machine
24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0	(dēg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4	Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000	Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300 33,600	Machine List 29,700 * 29,400 * 29,100 * 28,700 *	2 Degree Machine List	Padius 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0	Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4 73.5 72.7 71.8 71.0	0 Degree Machine List 72,900 * 71,800 * 69,000 * 64,700 * 60,500 56,200 48,200 48,200 48,200 45,400 42,600 39,800 37,800 35,800	1 Degree Machine List 41,500 * 40,600 * 38,900 36,800 34,900 33,200	2 Degree Machine List	2 Degree Machine List	Padius 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0 55.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7 73.9 73.1 72.3 70.3	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 51,000 * 48,000 45,200 42,400 39,600 37,500 35,500 31,200	1 Degree Machine List 37,100 * 36,600 * 35,800 * 34,500 32,800 29,000	23,300 * 22,700 *	2 Degree Machine List
24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0	(dēg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1	Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600	Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300 33,600 29,700	Machine List 29,700 * 29,400 * 29,100 * 28,700 * 27,900 *	2 Degree Machine List 21,700 *	Padius 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0 55.0	Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4 73.5 72.7 71.8 71.0 68.8	0 Degree Machine List 72,900 * 71,800 * 69,000 * 64,700 * 60,500 56,200 45,400 48,200 45,400 42,600 39,800 37,800 35,800 31,400	1 Degree Machine List 41,500 * 40,600 * 38,900 36,800 34,900 33,200 29,400	2.5,100 *	2 Degree Machine List	Padius 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0 55.0 60.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7 73.9 73.1 72.3 70.3 68.2	0 Degree Machine List 62,200 * 61,300 * 59,400 * 57,200 * 54,100 * 51,000 * 48,000 45,200 42,400 39,600 37,500 35,500 31,200 27,600	1 Degree Machine List 37,100 * 36,600 * 35,800 * 34,500 32,800 29,000 25,800	23,300 * 22,700 * 22,000 *	2 Degree Machine List
24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0	(dēg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4	Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 28,100	Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300 33,600	Machine List 29,700 * 29,400 * 29,100 * 28,700 * 27,900 * 25,500	2 Degree Machine List	Padius 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0	Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4 73.5 72.7 71.8 71.0	0 Degree Machine List 72,900 * 70,800 * 69,000 * 64,700 * 60,500 56,200 52,000 48,200 45,400 45,400 45,400 39,800 37,800 35,800 31,400 27,800	1 Degree Machine List 41,500 * 40,600 * 38,900 36,800 34,900 33,200 29,400 26,200	2 Degree Machine List	2 Degree Machine List	Padius 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0 55.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7 73.9 73.1 72.3 70.3	0 Degree Machine List 62,200 * 61,300 * 59,400 * 57,200 * 54,100 * 51,000 * 48,000 45,200 39,600 37,500 35,500 31,200 27,600 24,800	1 Degree Machine List 37,100 * 36,600 * 35,800 * 34,500 32,800 29,000 25,800 23,300	23,300 * 22,700 *	2 Degree Machine List
24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0	(dēg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 64.6	Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600	Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300 33,600 29,700 26,600	Machine List 29,700 * 29,400 * 29,100 * 28,700 * 27,900 *	21,700 * 21,200 *	Pacius 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 45.0 50.0 55.0 60.0	Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4 73.5 72.7 71.8 71.0 68.8 66.6	0 Degree Machine List 72,900 * 71,800 * 69,000 * 64,700 * 60,500 56,200 45,400 48,200 45,400 42,600 39,800 37,800 35,800 31,400	1 Degree Machine List 41,500 * 40,600 * 38,900 36,800 34,900 33,200 29,400	25,100 * 24,500 *	2 Degree Machine List 19,200 * 18,700 *	Padius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7 73.9 73.1 72.3 70.3 68.2 66.2	0 Degree Machine List 62,200 * 61,300 * 59,400 * 57,200 * 54,100 * 51,000 * 48,000 45,200 42,400 39,600 37,500 35,500 31,200 27,600	1 Degree Machine List 37,100 * 36,600 * 35,800 * 34,500 32,800 29,000 25,800	23,300 * 22,700 * 22,000 * 21,600 *	2 Degree Machine List 16,800 * 16,500 *
24.0 26.0 30.0 32.0 34.0 38.0 40.0 44.0 44.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0	(dég.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0	Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 65,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 28,100 25,200 22,900 20,900	Machine List 46,400 * 44,500 44,500 41,700 39,400 37,200 35,300 33,600 29,700 26,600 24,100 21,900 20,000	Machine List 29,700 * 29,400 * 29,100 * 28,700 * 25,500 23,100 21,100 19,300	21,700 * 21,200 * 21,200 * 20,700 * 20,700 * 20,700 *	Pacticus 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 40.0 40.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0	Angle (deg.) 81.9 81.1 80.3 79.4 77.8 76.9 76.1 75.2 74.4 73.5 72.7 71.8 71.0 68.8 66.6 64.3 62.0 59.7	0 Degree Machine List 72,900 * 70,800 * 69,000 * 69,000 * 60,700 * 60,700 * 60,700 * 60,700 * 60,700 * 60,700 * 60,700 * 60,700 * 52,000 48,200 45,400 39,800 37,800 37,800 31,400 27,800 25,000 22,600 20,500	1 Degree Machine List 41,500 * 40,600 * 38,900 36,800 36,800 36,800 36,800 36,200 29,400 26,200 23,500 21,300 19,500	25,100 * 24,500 * 22,400 * 20,500 18,700	2 Degree Machine List 19,200 * 18,700 * 18,300 * 17,900 * 17,400 *	Pacifius 26.0 28.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 55.0 60.0 65.0 70.0 75.0 80.0	Angle (deg.) 81.7 80.9 80.1 79.4 77.8 77.0 76.3 75.5 74.7 73.9 73.1 72.3 70.3 68.2 66.2 64.0 61.9 59.6	0 Degree Machine List 62,200 * 61,300 * 59,400 * 57,200 * 54,100 * 51,000 * 48,000 45,200 42,400 37,500 31,200 27,600 24,800 22,400 20,300 18,500	1 Degree Machine List 37,100 * 36,600 * 35,800 * 34,500 29,000 25,800 23,300 21,100 19,200 17,600	23,300 * 22,700 * 22,700 * 21,600 * 20,100 * 18,300 17,000	2 Degree Machine List 16,800 * 16,500 * 16,100 * 15,700 * 15,400 *
24.0 26.0 28.0 30.0 32.0 34.0 38.0 40.0 44.0 44.0 44.0 48.0 50.0 60.0 65.0 70.0 75.0 80.0	(dég.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0 54.3	Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 28,100 25,200 22,900 20,900 19,000	Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300 33,600 29,700 26,600 24,100 21,900 20,000 18,300	Machine List 29,700 * 29,400 * 29,100 * 29,100 * 25,500 * 23,100 * 23,100 * 21,100 19,300 17,700	21,700 * 21,200 * 21,200 * 20,700 * 20,700 * 20,700 * 18,700 17,200	Pacticus (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 40.0 44.0 46.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	Angle (deg.) 81.9 81.1 80.3 79.4 77.8 76.9 76.1 75.2 74.4 71.5 72.7 71.8 71.0 68.8 66.6 64.3 62.0 59.7 57.3	0 Degree Machine List 72,900 * 70,800 * 69,000 * 69,000 * 60,700 * 60,700 * 60,700 * 60,700 * 60,700 * 60,700 * 60,700 * 60,700 * 52,000 48,200 45,400 39,800 37,800 37,800 31,400 27,800 25,000 22,600 20,500 18,700	1 Degree Machine List 41,500 * 40,600 * 38,900 36,800 36,800 36,800 36,800 36,800 29,400 26,200 23,500 21,300 19,500 17,800	25,100 * 24,500 * 22,400 * 22,400 * 20,500 18,700 17,200	2 Degree Machine List 19,200 * 18,700 * 18,300 * 17,400 * 16,600	Pacifius 26.0 28.0 28.0 30.0 32.0 34.0 34.0 38.0 40.0 48.0 44.0 46.0 46.0 55.0 60.0 65.0 70.0 75.0 85.0 85.0	Angle (deg.) 81.7 80.9 80.1 79.4 77.8 77.0 76.3 75.5 74.7 73.9 73.1 72.3 70.3 68.2 66.2 64.0 61.9 59.6 57.4	0 Degree Machine List 62,200 * 61,300 * 60,400 * 57,200 * 54,100 * 51,000 * 48,000 45,200 42,400 37,500 37,500 31,200 27,600 24,800 22,400 20,300 18,500 17,000	1 Degree Machine List 37,100 * 36,600 * 35,800 * 34,500 23,800 25,800 23,300 21,100 19,200 17,600 16,200	23,300 * 22,700 * 22,700 * 22,000 * 20,100 * 18,300 17,000 15,500	2 Degree Machine List 16,800 * 16,500 * 16,100 * 15,700 * 15,400 *
24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 40.0 40.0 44.0 48.0 50.0 50.0 65.0 60.0 65.0 70.0 75.0 80.0 85.0	(dég.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 64.6 69.4 67.1 64.6 57.0 54.3 51.6	Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 65,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 28,100 25,200 20,900 19,000 17,500	Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300 35,300 29,700 26,600 24,100 21,900 20,000 18,300 16,900	Machine List 29,700 * 29,400 * 29,100 * 28,700 * 25,500 23,100 21,100 19,300 17,700 16,400	21,700 * 21,200 * 21,200 * 20,700 * 20,700 * 20,000 * 18,700 17,200 16,000	Pacticus 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 40.0 40.0 40.0 46.0 46.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	Angle (deg.) 81.9 81.1 80.3 79.4 77.8 76.9 76.1 75.2 74.4 73.5 72.7 71.8 71.0 68.8 66.6 64.3 62.0 59.7 57.3 54.8	0 Degree Machine List 72,900 * 70,800 * 69,000 * 69,000 * 64,700 * 60,500 56,200 52,000 48,200 45,400 42,600 39,800 37,800 35,800 31,400 27,800 25,000 22,600 20,500 18,700 17,200	1 Degree Machine List 41,500 * 40,600 * 38,900 36,800 34,900 36,800 34,900 26,200 23,500 21,300 19,500 17,800 16,400	25,100 * 25,100 * 24,500 * 22,400 * 20,500 18,700 17,200 15,800	2 Degree Machine List 19,200 * 18,700 * 18,300 * 17,400 * 16,600 15,400	Pacifius 26.0 28.0 28.0 30.0 32.0 34.0 34.0 36.0 38.0.0 40.0 40.0 40.0 40.0 46.0 55.0 60.0 65.0 60.0 75.0 85.0 90.0 90.0	Angle (deg.) 81.7 80.9 80.1 79.4 77.8 77.0 76.3 75.5 74.7 73.9 73.1 72.3 70.3 68.2 66.2 64.0 61.9 59.6 57.4 55.2	0 Degree Machine List 62,200 * 61,300 * 60,400 * 57,200 * 54,100 * 51,000 * 48,000 45,200 42,400 37,500 37,500 31,200 27,600 24,800 22,400 20,300 18,500 17,000	1 Degree Machine List 37,100 * 36,600 * 35,800 * 34,500 23,800 25,800 23,300 21,100 19,200 17,600 16,200 14,900	23,300 * 22,700 * 22,700 * 22,000 * 20,100 * 18,300 17,000 15,500 14,400	2 Degree Machine List 16,800 * 16,500 * 16,100 * 15,700 * 15,400 * 14,900 *
24.0 26.0 30.0 32.0 34.0 36.0 40.0 40.0 40.0 40.0 40.0 40.0 60.0 6	(dég.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0 54.3 51.6 48.7	Machine List 85,100 * 83,900 * 78,200 * 71,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 25,200 22,900 20,900 19,000 17,500 16,100	Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300 33,600 29,700 26,600 24,100 21,900 20,000 18,300 16,900 15,700	Machine List 29,700 * 29,400 * 29,100 * 28,700 * 25,500 23,100 21,100 19,300 17,700 16,400 15,300	21,700 * List 21,200 * 21,200 * 20,700 * 20,700 * 20,700 * 18,700 17,200 16,000 14,900	Pacticus 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 40.0 40.0 40.0 40.0 40.0 40.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4 71.5 71.7 71.8 71.0 68.8 66.6 64.3 62.0 59.7 57.3 54.8 52.2	0 Degree Machine List 72,900 * 70,800 * 69,000 * 69,000 * 64,700 * 60,500 56,200 52,000 48,200 45,400 42,600 39,800 37,800 35,800 31,400 25,000 22,600 20,500 18,700 17,200 15,900	1 Degree Machine List 41,500 * 40,600 * 38,900 36,800 34,900 33,200 29,400 26,200 23,500 21,300 19,500 17,800 16,400 15,200	25,100 * 25,100 * 24,500 * 22,400 * 20,500 18,700 17,200 15,800 14,700	2 Degree Machine List 19,200 * 18,700 * 18,300 * 17,400 * 16,600 15,400 14,300	Pacifius 26.0 28.0 28.0 30.0 32.0 34.0 34.0 36.0 38.0 40.0 40.0 40.0 40.0 46.0 55.0 60.0 65.0 70.0 75.0 85.0 90.0 95.0	Angle (deg.) 81.7 80.9 80.1 79.4 77.8 77.0 76.3 75.5 74.7 73.9 73.1 72.3 70.3 68.2 66.2 64.0 61.9 59.6 57.4	0 Degree Machine List 62,200 * 61,300 * 60,400 * 57,200 * 54,100 * 54,100 * 51,000 * 48,000 45,200 42,400 39,600 37,500 31,200 27,600 24,800 22,400 20,300 18,500 17,000 15,700 14,400	1 Degree Machine List 37,100 * 36,600 * 35,800 * 34,500 23,800 23,800 23,800 23,300 21,100 19,200 17,600 16,200 14,900 13,800	23,300 * 23,300 * 22,700 * 22,000 * 20,100 * 18,300 17,000 15,500 14,400 13,300	2 Degree Machine List 16,800 * 16,500 * 16,100 * 15,700 * 15,400 * 14,900 * 14,000 13,000
24.0 26.0 30.0 32.0 34.0 36.0 40.0 40.0 40.0 44.0 46.0 65.0 65.0 65.0 65.0 65.0 75.0 80.0 85.0	(dég.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 64.6 69.4 67.1 64.6 57.0 54.3 51.6	Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 65,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 28,100 25,200 20,900 19,000 17,500	Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300 35,300 29,700 26,600 24,100 21,900 20,000 18,300 16,900	Machine List 29,700 * 29,400 * 29,100 * 28,700 * 25,500 23,100 21,100 19,300 17,700 16,400	21,700 * 21,200 * 21,200 * 20,700 * 20,700 * 20,000 * 18,700 17,200 16,000	Pacticus 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 40.0 40.0 40.0 46.0 46.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	Angle (deg.) 81.9 81.1 80.3 79.4 77.8 76.9 76.1 75.2 74.4 73.5 72.7 71.8 71.0 68.8 66.6 64.3 62.0 59.7 57.3 54.8	0 Degree Machine List 72,900 * 70,800 * 69,000 * 69,000 * 64,700 * 60,500 56,200 52,000 48,200 45,400 42,600 39,800 37,800 35,800 31,400 27,800 25,000 22,600 20,500 18,700 17,200	1 Degree Machine List 41,500 * 40,600 * 38,900 36,800 34,900 36,800 34,900 26,200 23,500 21,300 19,500 17,800 16,400	25,100 * 25,100 * 24,500 * 22,400 * 20,500 18,700 17,200 15,800	2 Degree Machine List 19,200 * 18,700 * 18,300 * 17,400 * 16,600 15,400	Pacifius 26.0 28.0 28.0 30.0 32.0 34.0 34.0 36.0 38.0.0 40.0 40.0 40.0 40.0 46.0 55.0 60.0 65.0 60.0 75.0 85.0 90.0 90.0	Angle (deg.) 81.7 80.9 80.1 79.4 77.8 77.0 76.3 75.5 74.7 73.9 73.1 72.3 70.3 68.2 66.2 64.0 61.9 59.6 57.4 55.2 52.8	0 Degree Machine List 62,200 * 61,300 * 60,400 * 57,200 * 54,100 * 51,000 * 48,000 45,200 42,400 37,500 37,500 31,200 27,600 24,800 22,400 20,300 18,500 17,000	1 Degree Machine List 37,100 * 36,600 * 35,800 * 34,500 23,800 25,800 23,300 21,100 19,200 17,600 16,200 14,900	23,300 * 22,700 * 22,700 * 22,000 * 20,100 * 18,300 17,000 15,500 14,400	2 Degree Machine List 16,800 * 16,500 * 16,100 * 15,700 * 15,400 * 14,900 *
24.0 26.0 30.0 32.0 33.0 40.0 40.0 40.0 40.0 40.0 40.0 40	(dég.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0 54.3 51.6 48.7 45.6 42.4 35.4	Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 65,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 22,900 19,000 17,500 16,100 15,000 14,000 12,100	Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300 35,300 35,300 29,700 26,600 24,100 21,900 20,000 18,300 16,900 15,700 14,600	Machine List 29,700 * 29,400 * 29,100 * 28,700 * 25,500 23,100 21,100 19,300 17,700 16,400 15,300 14,200	21,700 * List 21,200 * 21,200 * 20,700 * 20,700 * 20,700 * 20,700 * 18,700 17,200 16,000 14,900 13,900	Pactives (ft) 24.0 26.0 28.0 30.0 34.0 34.0 36.0 38.0 40.0 44.0 44.0 46.0 46.0 55.0 60.0 55.0 60.0 70.0 85.0 90.0 90.0 90.0 90.0 90.0 90.0 100.0 110.0	Angle (deg,) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4 75.2 74.4 75.2 74.4 75.2 74.4 71.0 68.8 66.6 64.3 62.0 59.7 57.3 54.8 52.2 49.5	0 Degree Machine List 72,900 * 70,800 * 69,000 * 64,700 * 60,500 56,200 56,200 56,200 56,200 48,200 48,200 45,400 42,600 39,800 37,800 37,800 31,400 25,000 22,600 20,500 18,700 17,200 15,900 14,600 13,600 11,900	1 Degree Machine List 41,500 * 40,600 * 38,900 36,800 34,900 33,200 29,400 26,200 23,500 21,300 19,500 17,800 16,400 15,200 14,100	25,100 * List 24,500 * 24,500 * 22,400 * 20,500 18,700 17,200 15,800 14,700 13,700 12,800 11,200	2 Degree Machine List 19,200 * 18,700 * 18,700 * 17,900 * 17,400 * 16,600 15,400 15,400 13,300 12,500 11,000	Pacifius 26.0 28.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 46.0 48.0 55.0 60.0 65.0 60.0 65.0 90.0 95.0 90.0 95.0 90.0 95.0 100.0 100.0	Angle (deg) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7 73.9 73.1 72.3 70.3 68.2 64.0 64.0 61.9 59.6 57.4 55.2 52.8 50.3	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 51,000 * 48,000 45,200 42,400 37,500 37,500 31,200 27,600 24,800 22,400 20,300 18,500 17,000 15,700 14,400 13,400	1 Degree Machine List 37,100 * 36,600 * 35,800 * 34,500 29,000 25,800 23,300 21,100 19,200 17,600 16,200 14,900 13,800 12,800	23,300 * 23,300 * 22,700 * 22,000 * 20,100 * 18,300 17,000 15,500 14,400 13,300 12,500	2 Degree Machine List 16,800 * 16,500 * 16,100 * 15,700 * 15,700 * 14,900 * 14,900 * 14,900 * 14,900 *
24.0 26.0 30.0 32.0 33.0 40.0 44.0 44.0 44.0 44.0 44.0 45.0 55.0 60.0 55.0 60.0 55.0 65.0 75.0 85.0 85.0 90.0 95.0 100.0 110.0 110.0	(dég.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0 54.3 51.6 48.7 45.6 42.4 35.4 26.6	Machine List 85,100 * 83,900 * 78,200 * 65,900 65,900 65,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 22,900 19,000 17,500 16,100 15,000 14,000 12,100 10,800	Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300 33,600 29,700 26,600 24,100 21,900 20,000 18,300 16,900 15,700 14,600 13,600 11,900 10,600	Machine List 29,700 * 29,400 * 29,100 * 28,700 * 25,500 23,100 21,100 19,300 17,700 16,400 15,300 14,200 13,300	21,700 * List 21,200 * 20,700 * 20,700 * 20,000 * 18,700 16,000 14,900 13,900 13,900	Pactives 24.0 24.0 26.0 28.0 30.0 34.0 34.0 34.0 44.0 44.0 44.0 46.0 48.0 55.0 60.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 90.0 90.0 91.0 110.0 120.2	Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.9 76.9 76.9 76.9 76.9 76.9 76.9	0 Degree Machine List 72,900 * 70,800 * 69,000 * 64,700 * 60,500 56,200 52,000 48,200 45,400 42,600 39,800 37,800 35,800 31,400 27,800 22,600 20,500 18,700 17,200 15,900 14,600 13,600 11,900 10,300	1 Degree Machine List 41,500 * 40,600 * 38,900 36,800 34,900 33,200 29,400 26,200 23,500 21,300 19,500 17,800 16,400 15,200 14,100 13,100 11,400 10,100	25,100 * List 24,500 * 24,500 * 22,400 * 20,500 18,700 17,200 15,800 14,700 13,700 12,800 11,200 9,900	2 Degree Machine List 19,200 * 18,700 * 18,700 * 17,400 * 16,600 15,400 15,400 15,400 15,200 11,000 9,800	Pacifius 260.0 30.0 32.0 34.0 34.0 36.0 38.0 40.0 44.0 46.0 44.0 46.0 46.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0 130.0 130.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 73.7 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 73.9 73.1 75.5 74.7 73.9 73.1 75.5 74.7 73.9 73.1 75.5 74.7 73.9 73.1 75.5 74.7 73.9 73.1 75.5 74.7 73.9 73.1 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 73.9 75.5 74.7 75.5 74.7 75.5 74.7 73.9 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 74.7 75.5 75.5	0 Degree Machine List 62,200 * 60,400 * 59,400 * 57,200 * 54,100 * 48,000 45,200 42,400 39,600 37,500 31,200 27,600 24,800 22,400 20,300 18,500 17,000 15,700 14,400 13,400 11,700 10,300 8,900	1 Degree Machine List 37,100 * 36,600 * 35,800 * 34,500 23,800 23,800 23,300 21,100 19,200 17,600 16,200 14,900 13,800 12,800 11,200 9,900 8,800	23,300 * 22,700 * 22,700 * 22,000 * 20,100 * 18,300 17,000 15,500 14,400 13,300 12,500 10,900 9,600 8,600	2 Degree Machine List 16,800 * 16,500 * 16,100 * 15,700 * 15,700 * 14,900 * 14,900 * 14,000 13,000 12,100 10,700 9,400 8,400
24.0 26.0 28.0 30.0 33.0 40.0 40.0 40.0 40.0 40.0 40	(dég.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0 54.3 51.6 48.7 45.6 42.4 35.4	Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 65,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 22,900 19,000 17,500 16,100 15,000 14,000 12,100	Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300 39,700 26,600 24,100 21,900 18,300 16,900 15,700 14,600 13,600 11,900	Machine List 29,700 * 29,400 * 29,100 * 28,700 * 25,500 23,100 19,300 17,700 16,400 15,300 14,200 13,300 11,700	21,700 * List 21,200 * 20,700 * 20,700 * 20,000 * 18,700 16,000 17,200 16,000 13,900 13,900 13,000 11,600	Pactives (ft) 24.0 26.0 28.0 30.0 34.0 34.0 36.0 38.0 40.0 44.0 44.0 46.0 46.0 55.0 60.0 55.0 60.0 70.0 85.0 90.0 90.0 90.0 90.0 90.0 90.0 100.0 110.0	Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4 73.5 72.7 71.8 71.0 68.8 66.6 64.3 62.0 59.7 57.3 54.8 52.2 40.5 46.8 40.8	0 Degree Machine List 72,900 * 70,800 * 69,000 * 64,700 * 60,500 56,200 56,200 56,200 56,200 48,200 48,200 45,400 42,600 39,800 37,800 37,800 31,400 25,000 22,600 20,500 18,700 17,200 15,900 14,600 13,600 11,900	1 Degree Machine List 41,500 * 40,600 * 38,900 36,800 34,900 33,200 29,400 26,200 23,500 21,300 19,500 17,800 16,400 15,200 14,100 13,100 11,400	25,100 * List 24,500 * 24,500 * 22,400 * 20,500 18,700 17,200 15,800 14,700 13,700 12,800 11,200	2 Degree Machine List 19,200 * 18,700 * 18,700 * 17,900 * 17,400 * 16,600 15,400 15,400 13,300 12,500 11,000	Pacifius 260.0 30.0 32.0 34.0 34.0 36.0 38.0 40.0 44.0 46.0 44.0 46.0 55.0 60.0 65.0 70.0 80.0 85.0 90.0 95.0 100.0 110.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 73.9 75.5 74.7 73.9 73.1 72.3 70.3 68.2 66.2 64.0 61.9 59.6 61.9 59.6 51.4 55.2 52.8 50.3 45.1 39.3	0 Degree Machine List 62,200 * 60,400 * 59,400 * 57,200 * 48,000 45,200 42,400 39,600 37,500 35,500 31,200 27,600 24,800 22,400 20,300 18,500 15,700 14,400 13,400 11,700 10,300	1 Degree Machine List 37,100 * 36,600 * 35,800 * 34,500 23,800 23,800 23,800 22,800 23,300 21,100 19,200 17,600 16,200 14,900 13,800 12,800 11,200 9,900	23,300 * 23,300 * 22,700 * 22,700 * 20,100 * 18,300 17,000 15,500 14,400 13,300 12,500 10,900 9,600	2 Degree Machine List 16,800 * 16,500 * 16,100 * 15,700 * 15,700 * 14,900 * 14,900 * 14,900 * 14,900 *

Refer to notes on page 32.

Barge

5 Counterweights (69,000 lbs) - 2 Carbody weights (31,800 lbs) - Crawlers in extended position.

	160	Boo	m				170)' Booi	m				180)' Boo	m		
	360° Rated Load (lbs)			360° Rated Load (lbs)					360° Rated Load (lbs)								
Load Radius	Boom Angle	0 Degree Machine	1 Degree Machine	2 Degree Machine	2 Degree Machine	Load Radius	Boom Angle	0 Degree Machine	1 Degree Machine	2 Degree Machine	2 Degree Machine	Load Radius	Boom Angle	0 Degree Machine	1 Degree Machine	2 Degree Machine	2 Degree Machine
(ft) 28.0	(deg.) 81.5	List 50,200 *	List	List	List	(ft) 30.0	(deg.) 81.3	List 44,500 *	List	List	List	(ft) 30.0	(deg.) 81.8	List 39,300 *	List	List	List
30.0	80.8	50,200 *				32.0	80.7	43,900 *				32.0	81.2	38,800 *			
32.0	80.1	49,700 *				34.0	80.0	43,200 *				34.0	80.5	38,200 *			
34.0	79.4	49,200 *				36.0	79.3	42,500 *				36.0	79.9	37,600 *			
36.0 38.0	78.6 77.9	48,500 * 47,800 *				38.0 40.0	78.6 77.9	41,900 * 41,200 *				38.0 40.0	79.2 78.6	37,000 * 36,400 *			
40.0	77.2	46,600 *				42.0	77.2	40,600 *				42.0	77.9	35,800 *			
42.0	76.4	44,300 *				44.0	76.5	40,000 *				44.0	77.2	35,100 *			
44.0	75.6 74.9	42,100 * 39,800	32,200 * 31,700 *			46.0 48.0	75.8 75.1	39,300 * 37,400 *	28,400 *			46.0 48.0	76.6 75.9	34,500 * 33,900 *			
46.0 48.0	74.9	39,800	31,300 *			40.0 50.0	74.4	35,400 *	28,100 *			40.0 50.0	75.3	33,300 *			
50.0	73.4	35,800	31,000 *			55.0	72.6	31,200	27,100 *	17,700 *		55.0	73.7	30,800 *	24,200 *		
55.0	71.5	31,400	28,900 *	20,000 *		60.0	70.9	27,600	25,400 *	17,300 *		60.0	72.0	27,400	22,900 *	15,300 *	
60.0 65.0	69.6 67.7	27,800 25,000	26,000 23,400	19,300 * 18,900 *	14,400 *	65.0 70.0	69.1 67.3	24,600 22,300	23,000 20,900	16,900 * 16,400 *	12,400 *	65.0 70.0	70.3 68.6	24,400 21,900	21,800 * 20,400 *	15,100 * 14,600 *	10,800 *
70.0	65.8	22,600	23,400	18,500 *	14,400 *	75.0	65.4	22,300	19,000	16,000 *	12,400 *	70.0	66.9	19,900	18,700	14,000 *	10,600 *
75.0	63.8	20,500	19,300	18,000 *	13,700 *	80.0	63.5	18,500	17,400	15,600 *	11,800 *	80.0	65.2	18,100	17,100	13,800 *	10,400 *
80.0	61.8	18,700	17,700	16,900	13,400 *	85.0	61.6	16,800	16,000	15,300 *	11,500 *	85.0	63.4	16,600	15,700	13,500 *	10,000 *
85.0 90.0	59.7 57.6	17,000 15,700	16,300 15,000	15,600 14,300	13,100 * 12,800 *	90.0 95.0	59.7 57.8	15,400 14,300	14,700 13,600	14,000 13,200	11,300 * 11,100 *	90.0 95.0	61.6 59.8	15,200 14,000	14,400 13,200	12,900 * 12,200 *	9,700 * 9,500 *
90.0 95.0	57.0 55.4	14,500	13,900	13,500	12,800 *	100.0	55.8	13,300	12,600	12,100	10,800 *	95.0 100.0	59.0 57.9	14,000	12,300	11,600 *	9,300 *
100.0	53.2	13,500	12,900	12,400	12,000	110.0	51.5	11,500	10,900	10,600	10,100 *	110.0	54.0	11,100	10,600	10,300	8,500 *
110.0	48.6	11,700	11,100	10,900	10,600	120.0	47.0	9,800	9,600	9,300	9,000	120.0	49.9	9,600	9,100	8,800	7,700*
120.0 130.0	43.6 38.1	10,100 8,900	9,800 8,600	9,600 8,500	9,300 8,300	130.0 140.0	42.2 36.8	8,700 7,700	8,400 7,300	8,200 7,100	8,000 7,000	130.0 140.0	45.6 40.9	8,500 7,400	8,000 7,000	7,700 6,900	6,900 * 6,000 *
140.0	31.6	7,900	7,800	7,600	7,500	140.0	30.5	6,800	6,500	6,400	6,200 *	140.0	35.7	6,500	6,200	6,000	5,000 *
150.0	23.7	7,100	6,900	6,800	6,700	160.0	23.2	5,900	5,800 *	5,800 *	5,100 *	160.0	29.7	5,600	5,400	5,000 *	4,200 *
												165.0	26.5	5,100	5,100	4,400 *	3,600 *
Ree	eves	2	2	2	2	Ree	eves	2	2	2	2	Ree	eves	2	2	2	2
	190	Boo	m				200) ' Boo i									
	0		60° Rated		,				60° Rated		<u>,</u>					1	1
Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	2 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	1 Degree Machine List	2 Degree Machine List	2 Degree Machine List						
32.0	81.6	34,400 *				34.0	81.5	30,300 *									
34.0	81.0	33,800 *				36.0	80.9	29,700 *									
36.0 38.0	80.4 79.8	33,300 *															
	19.0					38.0	80.3 70 7	29,200 *									
40.0	79.2	32,700 * 32,200 *				38.0 40.0 42.0	80.3 79.7 79.1	28,700 *									
40.0 42.0	79.2 78.6	32,700 * 32,200 * 31,700 *				40.0	79.7	28,700 * 28,200 *									
42.0 44.0	78.6 78.0	32,200 * 31,700 * 31,100 *				40.0 42.0 44.0 46.0	79.7 79.1 78.6 78.0	28,700 * 28,200 * 27,700 * 27,300 *									
42.0 44.0 46.0	78.6 78.0 77.4	32,200 * 31,700 * 31,100 * 30,600 *				40.0 42.0 44.0 46.0 48.0	79.7 79.1 78.6 78.0 77.4	28,700 * 28,200 * 27,700 * 27,300 * 26,800 *									
42.0 44.0	78.6 78.0	32,200 * 31,700 * 31,100 *				40.0 42.0 44.0 46.0	79.7 79.1 78.6 78.0	28,700 * 28,200 * 27,700 * 27,300 *									
42.0 44.0 46.0 48.0 50.0 55.0	78.6 78.0 77.4 76.7 76.1 74.5	32,200 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 * 28,100 *	21,700 *			40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0	79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8	28,700 * 28,200 * 27,700 * 27,300 * 26,800 * 26,300 * 24,900 * 23,200 *	18,200 *								
42.0 44.0 46.0 48.0 50.0 55.0 60.0	78.6 78.0 77.4 76.7 76.1 74.5 73.0	32,200 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 * 28,100 * 26,200 *	20,600 *	12 200 #		40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0	79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4	28,700 * 28,200 * 27,700 * 27,300 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 *	17,100 *	11,700 *							
42.0 44.0 46.0 50.0 55.0 60.0 65.0	78.6 78.0 77.4 76.7 76.1 74.5 73.0 71.4	32,200 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 * 28,100 * 26,200 * 24,000 *	20,600 * 19,500 *	13,300 * 13.100 *		40.0 42.0 44.0 46.0 50.0 55.0 60.0 65.0 70.0	79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9	28,700 * 28,200 * 27,700 * 27,300 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 *	17,100 * 16,100 *	11,300*							
42.0 44.0 46.0 48.0 50.0 55.0 60.0	78.6 78.0 77.4 76.7 76.1 74.5 73.0	32,200 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 * 28,100 * 26,200 *	20,600 *	13,300 * 13,100 * 12,700 *	9,200*	40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0	79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4	28,700 * 28,200 * 27,700 * 27,300 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 *	17,100 *		7,700*						
42.0 44.0 46.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	78.6 78.0 77.4 76.7 74.5 73.0 71.4 69.8 68.2 66.5	32,200 * 31,700 * 31,100 * 30,600 * 29,600 * 28,100 * 26,200 * 21,800 19,900 18,000	20,600 * 19,500 * 18,400 * 17,300 * 16,200 *	13,100 * 12,700 * 12,400 *	9,000 *	40.0 42.0 44.0 46.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2	28,700 * 28,200 * 27,700 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 *	17,100 * 16,100 * 15,100 * 14,100 * 13,300 *	11,300 * 11,000 * 10,600 * 10,100 *	7,500 *						
42.0 44.0 46.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	78.6 78.0 77.4 76.7 74.5 73.0 71.4 69.8 68.2 66.5 64.9	32,200 * 31,700 * 31,100 * 30,600 * 29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900 18,000 16,400	20,600 * 19,500 * 18,400 * 17,300 * 16,200 * 15,300 *	13,100 * 12,700 * 12,400 * 11,900 *	9,000 * 8,800 *	40.0 42.0 44.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6	28,700 * 28,200 * 27,700 * 26,800 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 15,900 * 14,700	17,100 * 16,100 * 15,100 * 14,100 * 13,300 * 12,400 *	11,300 * 11,000 * 10,600 * 10,100 * 9,500 *	7,500 * 7,200 *						
42.0 44.0 46.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	78.6 78.0 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2	32,200 * 31,700 * 31,100 * 30,600 * 20,600 * 29,600 * 24,000 * 21,800 19,900 18,000 16,400 15,000	20,600 * 19,500 * 18,400 * 17,300 * 16,200 * 15,300 * 14,100	13,100 * 12,700 * 12,400 * 11,900 * 11,300 *	9,000 * 8,800 * 8,600 *	40.0 42.0 44.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0	28,700 * 28,200 * 27,700 * 27,300 * 26,800 * 26,300 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 * 14,700 13,500	17,100 * 16,100 * 15,100 * 14,100 * 13,300 * 12,400 * 11,700 *	11,300 * 11,000 * 10,600 * 10,100 * 9,500 * 9,000 *	7,500 * 7,200 * 7,000 *						
42.0 44.0 46.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	78.6 78.0 77.4 76.7 74.5 73.0 71.4 69.8 68.2 66.5 64.9	32,200 * 31,700 * 31,100 * 30,600 * 29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900 18,000 16,400	20,600 * 19,500 * 18,400 * 17,300 * 16,200 * 15,300 *	13,100 * 12,700 * 12,400 * 11,900 *	9,000 * 8,800 *	40.0 42.0 44.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6	28,700 * 28,200 * 27,700 * 26,800 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 15,900 * 14,700	17,100 * 16,100 * 15,100 * 14,100 * 13,300 * 12,400 *	11,300 * 11,000 * 10,600 * 10,100 * 9,500 *	7,500 * 7,200 *						
42.0 44.0 46.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	78.6 78.0 77.4 76.7 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5 59.7 56.2	32,200 * 31,700 * 31,100 * 30,600 * 29,600 * 29,600 * 26,200 * 24,000 * 21,8000 19,900 18,000 16,400 15,000 13,900 12,900 11,000	20,600 * 19,500 * 18,400 * 17,300 * 16,200 * 15,300 * 14,100 13,000 12,000 10,400	13,100 * 12,700 * 12,400 * 11,900 * 11,300 * 10,600 * 10,000 * 8,900 *	9,000 * 8,800 * 8,600 * 8,400 * 8,200 * 7,400 *	40.0 42.0 44.0 46.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 120.0	79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1 54.6	28,700 * 28,200 * 27,700 * 26,800 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 * 14,700 13,500 12,400 10,600 9,200	17,100 * 16,100 * 15,100 * 14,100 * 13,300 * 12,400 * 11,700 * 11,000 * 9,500 * 8,200 *	11,300 * 11,000 * 10,600 * 10,100 * 9,500 * 9,000 * 8,400 * 7,400 * 6,500 *	7,500 * 7,200 * 7,000 * 6,800 * 6,000 * 5,200 *						
42.0 44.0 46.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 120.0	78.6 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5 59.7 56.2 52.5	32,200 * 31,700 * 31,100 * 30,600 * 29,600 * 29,600 * 24,000 * 24,000 * 19,900 18,000 16,400 15,000 13,900 13,900 11,000 9,400	20,600 * 19,500 * 18,400 * 17,300 * 16,200 * 15,300 * 14,100 13,000 12,000 10,400 9,100	13,100 * 12,700 * 12,400 * 11,900 * 11,300 * 10,600 * 10,000 * 8,900 * 7,900 *	9,000 * 8,800 * 8,600 * 8,400 * 8,200 * 7,400 * 6,500 *	40.0 42.0 44.0 46.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 120.0 130.0	79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1 54.6 51.1	28,700 * 28,200 * 27,700 * 26,800 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 10,000 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800	17,100 * 16,100 * 15,100 * 14,100 * 13,300 * 12,400 * 11,700 * 11,000 * 9,500 * 8,200 * 7,100 *	11,300 * 11,000 * 10,600 * 10,100 * 9,500 * 9,000 * 8,400 * 7,400 * 6,500 *	7,500 * 7,200 * 7,000 * 6,800 * 6,000 * 5,200 * 4,500 *						
42.0 44.0 46.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 130.0	78.6 78.0 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2 64.9 63.2 61.5 59.7 56.2 52.5 48.5	32,200 * 31,700 * 31,100 * 30,600 * 29,600 * 29,600 * 24,000 * 21,800 19,900 18,000 16,400 15,000 13,900 12,900 11,000 9,400 8,200	20,600 * 19,500 * 18,400 * 17,300 * 16,200 * 15,300 * 14,100 13,000 12,000 10,400 9,100 7,800	13,100 * 12,700 * 12,400 * 11,900 * 11,300 * 10,600 * 10,000 * 8,900 * 7,900 * 6,800 *	9,000 * 8,800 * 8,600 * 8,400 * 8,200 * 7,400 * 6,500 * 5,700 *	40.0 42.0 44.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 110.0 120.0 130.0 140.0	79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1 54.6 51.1 47.2	28,700 * 28,200 * 27,700 * 26,800 * 26,800 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800 6,500	17,100 * 16,100 * 15,100 * 14,100 * 13,300 * 12,400 * 11,700 * 11,000 * 9,500 * 8,200 * 7,100 * 5,900 *	11,300 * 11,000 * 10,600 * 9,500 * 9,000 * 8,400 * 6,500 * 5,600 * 4,600 *	7,500 * 7,200 * 7,000 * 6,800 * 6,000 * 5,200 * 4,500 * 3,700 *						
42.0 44.0 46.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 120.0	78.6 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5 59.7 56.2 52.5	32,200 * 31,700 * 31,100 * 30,600 * 29,600 * 29,600 * 24,000 * 24,000 * 19,900 18,000 16,400 15,000 13,900 13,900 11,000 9,400	20,600 * 19,500 * 18,400 * 17,300 * 16,200 * 15,300 * 14,100 13,000 12,000 10,400 9,100	13,100 * 12,700 * 12,400 * 11,900 * 11,300 * 10,600 * 10,000 * 8,900 * 7,900 *	9,000 * 8,800 * 8,600 * 8,400 * 8,200 * 7,400 * 6,500 *	40.0 42.0 44.0 46.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 120.0 130.0	79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1 54.6 51.1	28,700 * 28,200 * 27,700 * 26,800 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 10,000 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800	17,100 * 16,100 * 15,100 * 14,100 * 13,300 * 12,400 * 11,700 * 11,000 * 9,500 * 8,200 * 7,100 *	11,300 * 11,000 * 10,600 * 10,100 * 9,500 * 9,000 * 8,400 * 7,400 * 6,500 *	7,500 * 7,200 * 7,000 * 6,800 * 6,000 * 5,200 * 4,500 *						
42.0 44.0 46.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 120.0 130.0 140.0 150.0 160.0	78.6 78.0 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5 59.7 56.2 52.5 48.5 44.3 39.7 34.8	32,200 * 31,700 * 31,100 * 30,600 * 29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900 18,000 16,400 15,000 13,900 12,900 11,000 9,400 8,200 7,200 6,300 5,300	20,600 * 19,500 * 18,400 * 17,300 * 16,200 * 15,300 * 14,100 13,000 12,000 10,400 9,100 7,800 6,800 5,900 \$	13,100 * 12,700 * 12,400 * 11,900 * 11,300 * 10,600 * 10,000 * 8,900 * 7,900 * 6,800 * 5,900 * 5,100 * 4,000 *	9,000 * 8,800 * 8,600 * 8,400 * 8,200 * 7,400 * 6,500 * 5,700 * 4,900 *	40.0 42.0 44.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 110.0 120.0 130.0 140.0 150.0	79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1 54.6 51.1 47.2 43.1	28,700 * 28,200 * 27,700 * 26,800 * 26,800 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800 6,500 5,200 *	17,100 * 16,100 * 15,100 * 14,100 * 13,300 * 12,400 * 11,700 * 11,000 * 9,500 * 8,200 * 7,100 * 5,900 *	11,300 * 11,000 * 10,600 * 9,500 * 9,500 * 8,400 * 7,400 * 5,600 * 4,600 * 3,700 *	7,500 * 7,200 * 7,000 * 6,800 * 6,000 * 5,200 * 4,500 * 3,700 *						
42.0 44.0 46.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 110.0 120.0 130.0 140.0	78.6 78.0 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5 59.7 56.2 52.5 48.5 44.3 39.7	32,200 * 31,700 * 31,100 * 30,600 * 29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900 18,000 16,400 13,900 12,900 11,000 9,400 8,200 7,200 6,300	20,600 * 19,500 * 18,400 * 17,300 * 16,200 * 15,300 * 14,100 13,000 12,000 10,400 9,100 7,800 6,800 5,900	13,100 * 12,700 * 12,400 * 11,900 * 11,300 * 10,600 * 10,000 * 8,900 * 7,900 * 6,800 * 5,900 * 5,100 *	9,000 * 8,800 * 8,600 * 8,400 * 8,200 * 7,400 * 6,500 * 5,700 * 4,900 * 4,100 *	40.0 42.0 44.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 110.0 120.0 130.0 140.0 150.0	79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1 54.6 51.1 47.2 43.1	28,700 * 28,200 * 27,700 * 26,800 * 26,800 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800 6,500 5,200 *	17,100 * 16,100 * 15,100 * 14,100 * 13,300 * 12,400 * 11,700 * 11,000 * 9,500 * 8,200 * 7,100 * 5,900 *	11,300 * 11,000 * 10,600 * 9,500 * 9,500 * 8,400 * 7,400 * 5,600 * 4,600 * 3,700 *	7,500 * 7,200 * 7,000 * 6,800 * 6,000 * 5,200 * 4,500 * 3,700 *						

Refer to notes on page 32.



NOTES	

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