

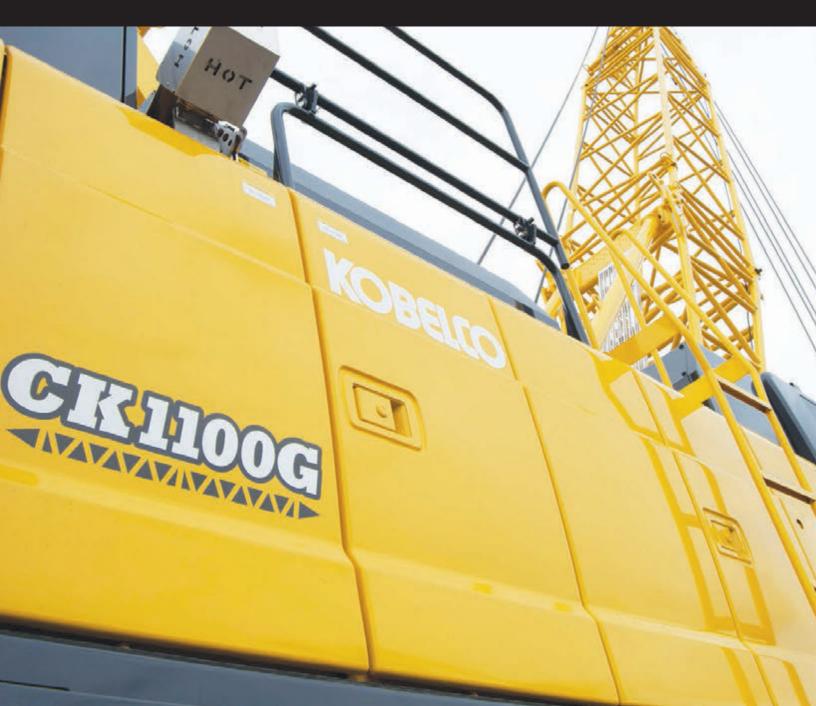


Hydraulic Crawler Crane

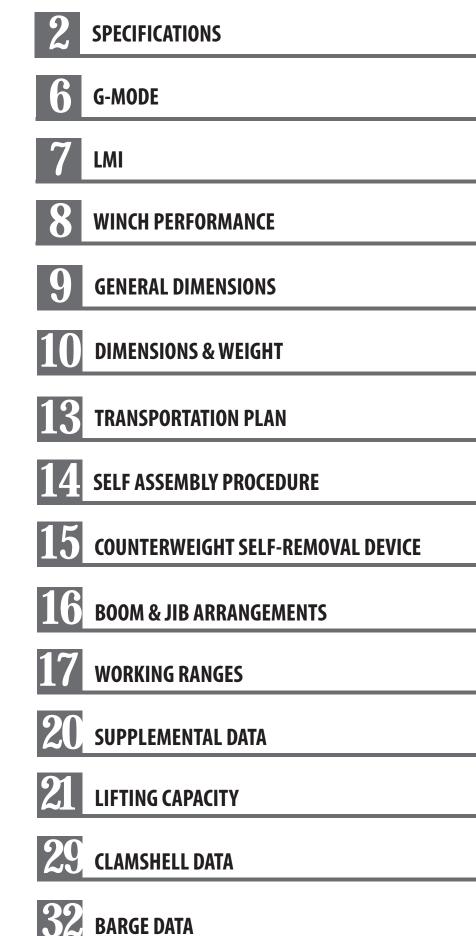
consolidatedcrane.com | Houston, TX | 713.641.3330



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 <sup>-1</sup> )	
Maximum torque	-	
-	750 lbs-ft / 1,600 rpm (1,017 Nm / 1,600 min <sup>-1</sup> )	
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**

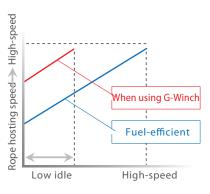
The G-modes are a standard exclusive energy and fuel saving system, with up to 30% in fuel savings. The G-Mode eliminates needless operations and engine functions allowing for reduced fuel consumption by using three basic modes that are all operator selectable.

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.



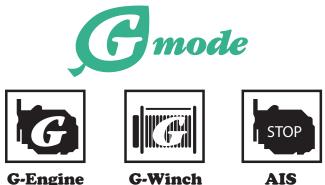
The high speed mode allows the line to be raised or lowered at maximum line speed without raising engine speed when lifting without a load.

### 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.

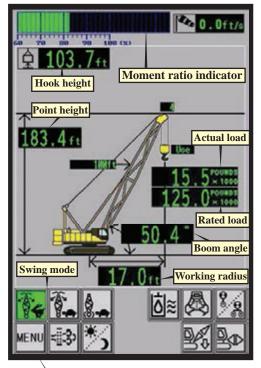
A new clean diesel system - although diesel engines consume less fuel and emit less CO2 than gasoline engines, they also emit more harmful particulate matter and nitrogen oxide (NOx). The "new clean energy system" engine utilizes a DPF to reduce particulate matter, which is also kept to a minimum using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

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

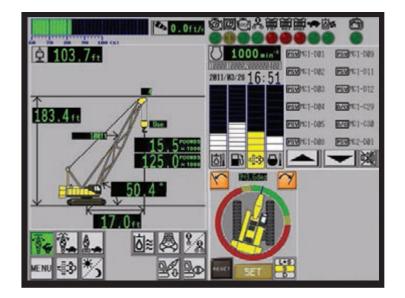
## Load Moment Indicator (LMI)

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)**

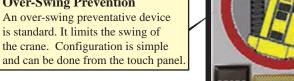
- Ph I 60 000 min PSV MC1-081 PSVMC1-D09 PSVMC1-082 PSVMC1-D11 2011/03/28 16 PSVMC1-D03 PSVMC1-D12 PSVMC1-D84 D/OMC1-C29 070MC1-C38 PSV MC1-D05 PSVMC2-001 PSV MC1-D88 R 0 -1:3>
- Display Lamp Display lamp **G-Engine** G-Winch AIS operation Slow speed state
- Remote control connection Oil cooler operation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

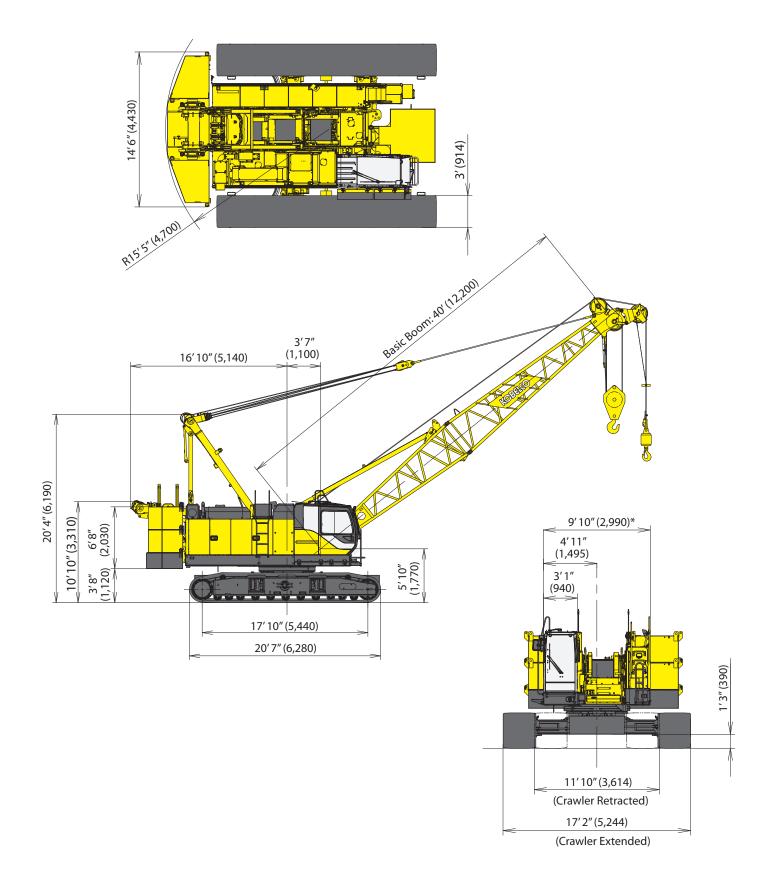
Line speed (ft/min)							
	Layer	1	2	3	4	5	6
	0	394	394	394	394	394	
	5,000	394	394	394	394	394	
	10,000	227	227	227	227	227	
Line Pull	15,000	147	152	161	170	179	storage
(lbs)	17,000	142	151	160	169	178	only
	20,000	140	149	158	167	176	
	25,000	138	147	155	164	172	
	30,000	136	144				
Storage Capacity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



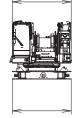
\* - 10'5" wide with Catwalks on cab side only. 11' wide with Catwalks on both sides.

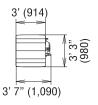
#### Dimensions: ft-in (mm) Weight: lbs (kg)

## **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) \*

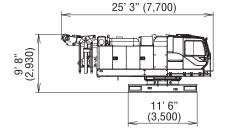


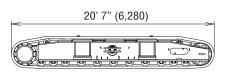


Base Machine - 5

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**

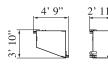
Dimensions: ft-in (mm) Weight: lbs (kg)

3' 3"

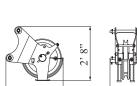


Counterweight (L)

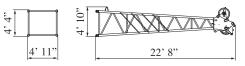
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5' 3"



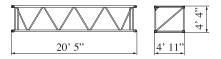
**Boom Tip** Weight: 2,900 lbs (1,292 kg) Includes cable roller and guy lines



2' 10"

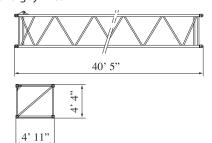
### 20 ft (6.1 m) Insert Boom

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

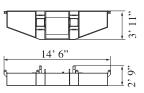


40 ft (12.2 m) Insert Boom (with lug)

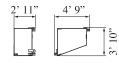
Weight: 2,500 lbs (1,113 kg) Includes cable roller and guy lines



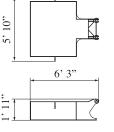
**Counterweight Base** Weight: 18,200 lbs (8,310 kg)



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



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



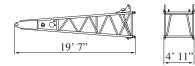
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**Auxiliary Sheave** Weight: 430 lbs (195 kg)

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

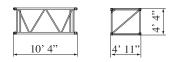
# **Boom Base**

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



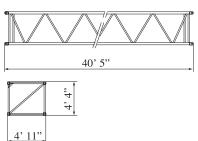
10 ft (3.0 m) Insert Boom

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



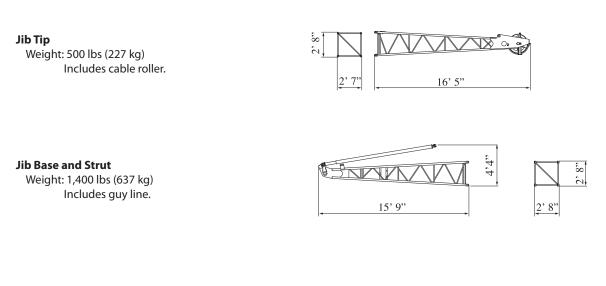
40 ft (12.2 m) Insert Boom

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



## **Dimensions and Weight**

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



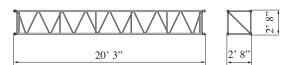
10 ft (3.0 m) Insert Jib

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**

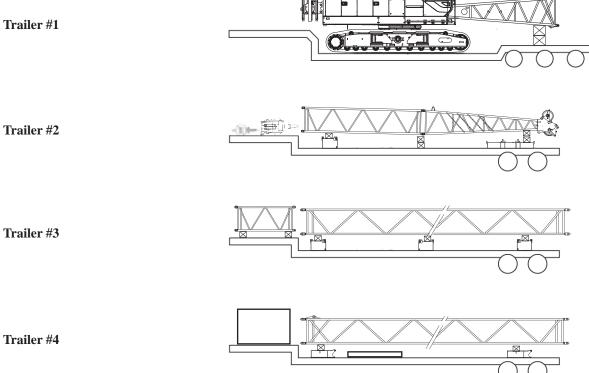
Refer to pages 10-12

#### 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

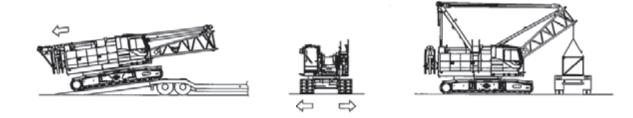
\* Third drum is not included. Add 4,200 lbs if third drum is installed.

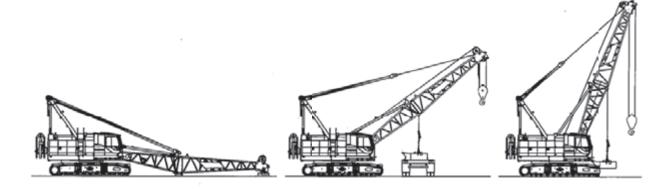
Loads for transportation were targeted at 45,000 lbs, 8' 6" wide, 48' long and 13' 6" high from ground, 48' step deck. This may vary depending on truck/trailer weight, style of trailer and state law.

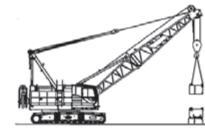


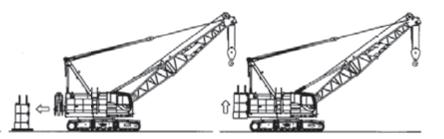


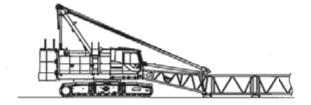
## Self-Assembly Procedure

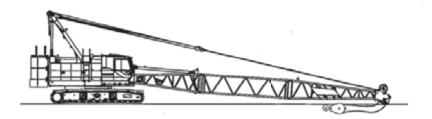




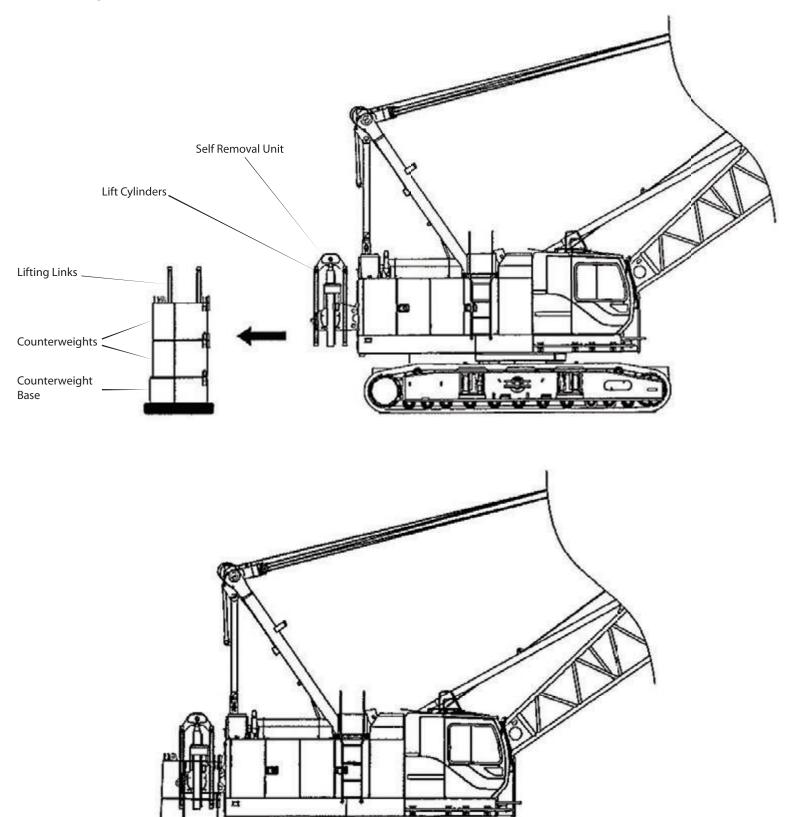








## **Counterweight Self-Removal Device**



## **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>

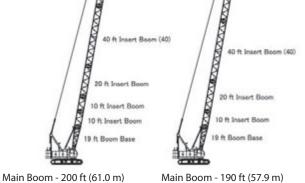
Symbol	Jib Length	Remarks
В	15 ft (4.6 m)	Jib Base
	15 ft (4.6 m)	Jib Top
10	10 ft (3.0 m)	Insert Jib
_20	20 ft (6.1 m)	Insert Jib

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)



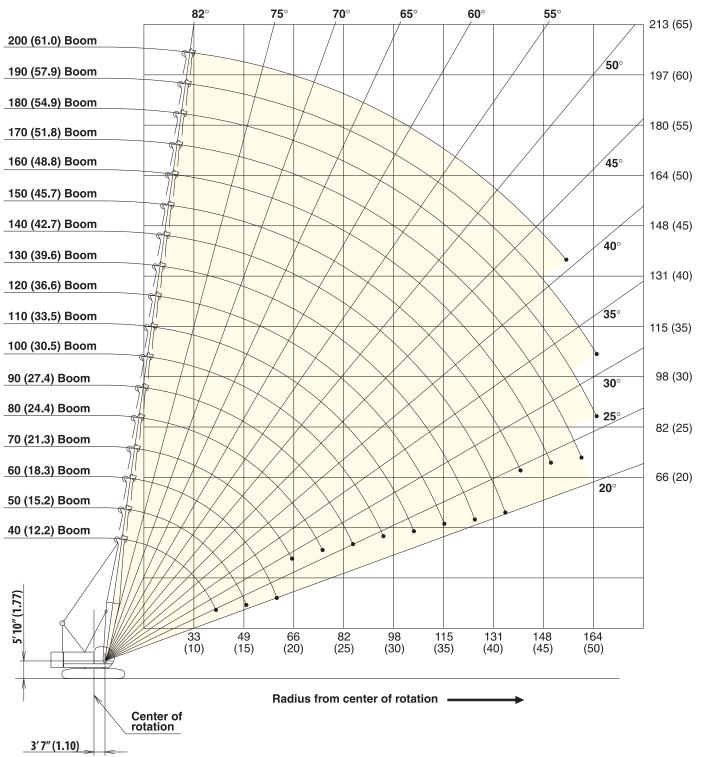
Main Boom - 190 ft (57.9 m) Fixed Jib - 60 ft (18.3 m)



## **Working Ranges**

#### **Main Boom**

Unit : ft (m)



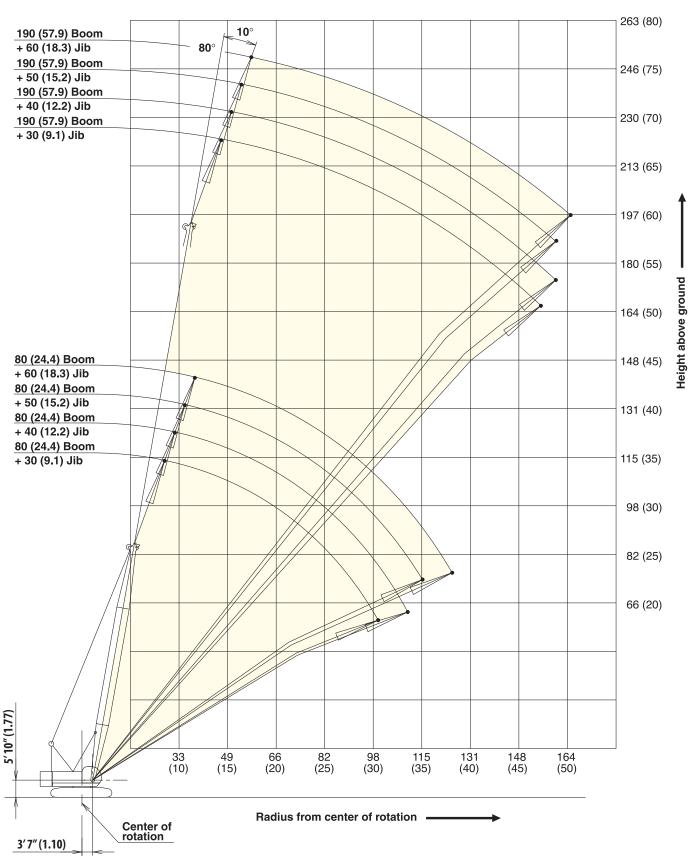
Height above ground



Unit : ft (m)

## **Working Ranges**

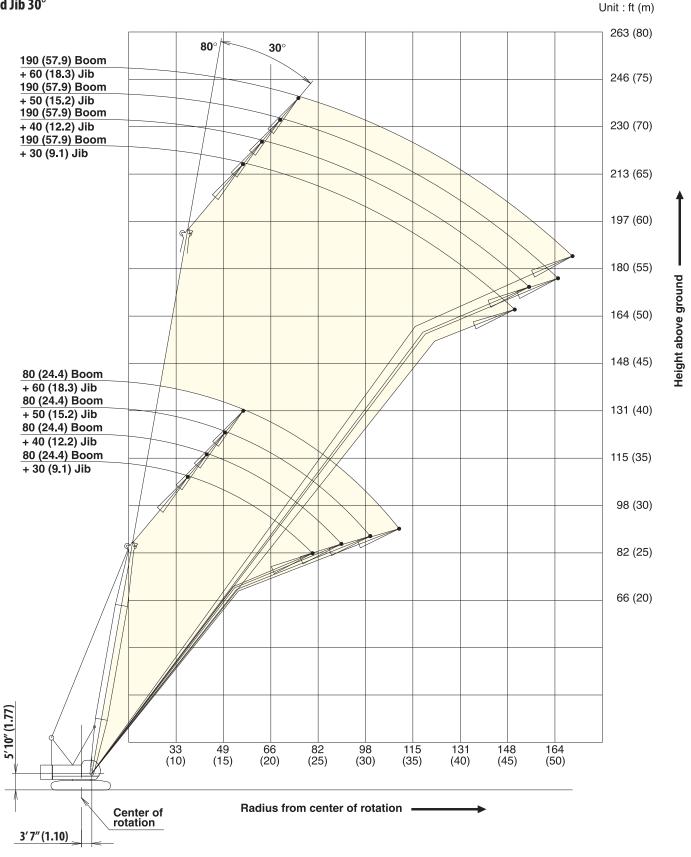
#### Fixed Jib 10°





### **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	<b>79.5</b>	139,400 *
15.0 <b>16.0</b>			16.0 <b>17.0</b>	76.6 <b>75.4</b>	165,300 * <b>156,000</b> *	17.0 <b>18.0</b>	77.8 <b>76.8</b>	155,500 * <b>146,900</b> *	19.0 <b>20.0</b>	77.9 <b>77.1</b>	139,800 * <b>132,200</b>	20.0 <b>22.0</b>	78.8 <b>77.3</b>	131,800 <b>115,100</b>
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 <b>59.3</b>	53,600	40.0	63.5	49,300
32.0			<b>34.0</b>	<b>53.4</b> 50.3	<b>62,000</b> 57,800	<b>36.0</b>	<b>58.0</b> 55.7	<b>57,300</b> 53,100	40.0	<b>59.3</b> 57.3	<b>49,800</b> 46,900	<b>42.0</b>	<b>61.8</b> 60.2	<b>46,600</b> 43,800
34.0 <b>36.0</b>	<b>36.2</b>	· ·	36.0 <b>38.0</b>	<b>47.3</b>	<b>53,600</b>	38.0 <b>40.0</b>	<b>53.4</b>	<b>49,300</b>	42.0 <b>44.0</b>	57.5 55.3	46,900 <b>44,100</b>	44.0 <b>46.0</b>	58.5	<b>4</b> 3,800 <b>41,100</b>
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 <sup>°</sup> Rated Load	Load Radius	Boom Angle	360° Rated Load	Load Radius	Boom Angle	360° Rated Load
Load Radius (ft)	Boom Angle (deg.)	360 <sup>°</sup> Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	360 <sup>°</sup> Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	360 <sup>°</sup> Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 <sup>°</sup> 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 <sup>°</sup> 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 * <b>125,800</b> * 125,800 *	Load Radius (ft)	Boom Angle (deg.) 81.6 <b>81.0</b> 79.9	360° Rated Load (lbs) 125,600 * <b>123,600</b> * 112,200 *	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (Ibs) 100,800 * 100,800 * 96,500 *	Load Radius (ft) 22.0 <b>24.0</b> 26.0	Boom Angle (deg.) 81.6 <b>80.6</b> 79.6	360° Rated Load (Ibs) 98,700 * <b>94,200</b> * 88,000 *	Load Radius (ft)	Boom Angle (deg.) 81.3 <b>80.4</b> 79.5	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 *
Load Radius (ft) 17.0 <b>18.0</b> 19.0 <b>20.0</b>	Boom Angle (deg.) 81.9 81.3 80.7 80.0	360° Rated Load (lbs) 125,800 * <b>125,800</b> * 125,800 * <b>124,000</b> *	Load Radius (ft) 19.0 20.0 22.0 24.0	Boom Angle (deg.) 81.6 <b>81.0</b> 79.9 <b>78.7</b>	360° Rated Load (lbs) 125,600 * <b>123,600</b> * 112,200 * <b>100,600</b>	Load Radius (ft) 20.0 22.0 24.0 26.0	Boom Angle (deg.) 81.8 <b>80.8</b> 79.7 <b>78.6</b>	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 <b>80.6</b> 79.6 <b>78.6</b>	360° Rated Load (Ibs) 98,700 * <b>94,200</b> * 88,000 * <b>79,900</b>	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 <b>18.0</b> 19.0 <b>20.0</b> 22.0	Boom Angle (deg.) 81.9 <b>81.3</b> 80.7 <b>80.0</b> 78.7	360° Rated Load (Ibs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 *	Load Radius (ft) 19.0 <b>20.0</b> 22.0 <b>24.0</b> 26.0	Boom Angle (deg.) 81.6 <b>81.0</b> 79.9 <b>78.7</b> 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 <b>80.8</b> 79.7 <b>78.6</b> 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 <b>80.6</b> 79.6 <b>78.6</b> 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 <b>18.0</b> 19.0 <b>20.0</b> 22.0 <b>24.0</b>	Boom Angle (deg.) 81.9 <b>81.3</b> 80.7 <b>80.0</b> 78.7 <b>77.4</b>	360° Rated Load (Ibs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800	Load Radius (ft) 19.0 <b>20.0</b> 22.0 <b>24.0</b> 26.0 <b>28.0</b>	Boom Angle (deg.) 81.6 <b>81.0</b> 79.9 <b>78.7</b> 77.5 <b>76.3</b>	360° Rated Load (Ibs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200	Load Radius (ft) 20.0 <b>22.0</b> 24.0 <b>26.0</b> 28.0 <b>30.0</b>	Boom Angle (deg.) 81.8 <b>80.8</b> 79.7 <b>78.6</b> 77.6 <b>76.5</b>	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 <b>80.6</b> 79.6 <b>78.6</b> 77.7 <b>76.7</b>	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 <b>80.4</b> 79.5 <b>78.6</b> 77.7 <b>76.9</b>	360° Rated Load (Ibs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900
Load Radius (ft) 17.0 <b>18.0</b> 19.0 <b>20.0</b> 22.0	Boom Angle (deg.) 81.9 <b>81.3</b> 80.7 <b>80.0</b> 78.7	360° Rated Load (Ibs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 *	Load Radius (ft) 19.0 <b>20.0</b> 22.0 <b>24.0</b> 26.0	Boom Angle (deg.) 81.6 <b>81.0</b> 79.9 <b>78.7</b> 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 <b>80.8</b> 79.7 <b>78.6</b> 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 <b>80.6</b> 79.6 <b>78.6</b> 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 <b>18.0</b> 19.0 <b>20.0</b> 22.0 <b>24.0</b> 26.0 <b>28.0</b> 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 <b>81.0</b> 79.9 <b>78.7</b> 77.5 <b>76.3</b> 75.1 <b>74.0</b> 72.8	360° Pated Load (lbs) 125,600 * <b>123,600</b> * 112,200 * <b>100,600</b> 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 <b>80.6</b> 79.6 <b>78.6</b> 77.7 <b>76.7</b> 75.7 <b>74.7</b> 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 <b>18.0</b> 19.0 <b>20.0</b> 22.0 <b>24.0</b> 26.0 <b>28.0</b> 30.0 <b>32.0</b>	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 <b>81.0</b> 79.9 <b>78.7</b> 7 <b>7.5</b> <b>76.3</b> 75.1 <b>74.0</b> 72.8 <b>71.6</b>	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 <b>80.6</b> 79.6 <b>78.6</b> 75.7 <b>76.7</b> 75.7 <b>74.7</b> 73.7 <b>72.7</b>	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 <b>80.4</b> 79.5 <b>78.6</b> 77.7 <b>76.9</b> 75.9 <b>75.0</b> 74.1 <b>73.2</b>	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 <b>18.0</b> 19.0 <b>20.0</b> 22.0 <b>24.0</b> 26.0 <b>28.0</b> 30.0 <b>32.0</b> 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 <b>81.0</b> 79.9 <b>78.7</b> 75.5 <b>76.3</b> 75.1 <b>74.0</b> 72.8 <b>71.6</b> 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 <b>80.6</b> 79.6 <b>78.6</b> 77.7 <b>76.7</b> 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 <b>80.4</b> 79.5 <b>78.6</b> 77.7 <b>76.9</b> <b>75.0</b> 74.1 <b>73.2</b> 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 <b>81.0</b> 79.9 7 <b>8.7</b> 77.5 <b>76.3</b> 75.1 <b>74.0</b> 72.8 <b>71.6</b> 70.3 <b>69.1</b>	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 <b>80.4</b> 79.5 <b>78.6</b> 77.7 <b>76.9</b> 75.9 <b>75.9</b> <b>75.0</b> 74.1 <b>73.2</b> 72.2 <b>71.3</b>	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 <b>81.0</b> 79.9 <b>78.7</b> 75.5 <b>76.3</b> 75.1 <b>74.0</b> 72.8 <b>71.6</b> 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 <b>80.6</b> 79.6 <b>78.6</b> 77.7 <b>76.7</b> 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 <b>80.4</b> 79.5 <b>78.6</b> 77.7 <b>76.9</b> 75.9 <b>75.0</b> 74.1 <b>73.2</b> 72.2 <b>71.3</b> 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 <b>81.0</b> 79.9 <b>78.7</b> 77.5 <b>76.3</b> 75.1 <b>74.0</b> 72.8 <b>71.6</b> 70.3 <b>69.1</b> 67.9 <b>66.6</b> 65.4	360° Rated Load (lbs) 125,600 * <b>123,600</b> * <b>123,600</b> * <b>100,600</b> 88,900 <b>80,200</b> 72,400 <b>66,300</b> <b>61,300</b> <b>57,000</b> <b>57,000</b> <b>57,000</b> <b>48,900</b> <b>48,900</b> <b>46,200</b> <b>43,400</b> <b>40,700</b>	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 <b>80.6</b> 79.6 <b>78.6</b> 77.7 <b>76.7</b> 75.7 <b>76.7</b> 73.7 <b>72.7</b> 71.7 <b>70.7</b> 69.7 <b>68.6</b> 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 <b>80.4</b> 79.5 <b>78.6</b> 77.7 <b>76.9</b> 75.9 <b>75.0</b> 74.1 <b>73.2</b> 72.2 <b>71.3</b> 70.4 <b>69.4</b> 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 <b>81.0</b> 79.9 <b>78.7</b> 77.5 <b>76.3</b> 75.1 <b>74.0</b> 72.8 <b>71.6</b> 70.3 <b>69.1</b> 67.9 <b>66.6</b> 65.4 <b>64.1</b>	360° Rated Load (lbs) 125,600 * <b>123,600</b> * <b>123,600</b> * <b>100,600</b> 88,900 80,200 72,400 <b>66,300</b> 61,300 <b>57,000</b> <b>52,700</b> <b>48,900</b> <b>48,900</b> <b>43,400</b> <b>40,700</b> <b>38,700</b>	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 <b>80.6</b> 79.6 <b>78.6</b> 77.7 <b>76.7</b> 75.7 <b>76.7</b> 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 <b>80.4</b> 79.5 <b>78.6</b> 77.7 <b>76.9</b> 75.9 <b>75.0</b> 74.1 <b>73.2</b> 72.2 <b>71.3</b> 70.4 <b>69.4</b> 67.1 <b>64.6</b>	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 <b>81.0</b> 79.9 <b>78.7</b> 77.5 <b>76.3</b> 75.1 <b>74.0</b> 72.8 <b>71.6</b> 70.3 <b>69.1</b> 67.9 <b>66.6</b> 65.4 <b>64.1</b> 62.8	360° Rated Load (lbs) 125,600 * <b>123,600</b> * <b>123,600</b> * <b>123,600</b> * <b>100,600</b> 88,900 80,200 72,400 <b>66,300</b> 61,300 <b>57,000</b> <b>52,700</b> <b>48,900</b> <b>48,900</b> <b>46,200</b> <b>43,400</b> <b>40,700</b> <b>38,700</b> 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 <b>80.6</b> 79.6 <b>78.6</b> 77.7 <b>76.7</b> 75.7 <b>76.7</b> 73.7 <b>76.7</b> 71.7 <b>70.7</b> 69.7 <b>68.6</b> 67.6 <b>65.0</b> 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 <b>80.4</b> 79.5 <b>78.6</b> 77.7 <b>76.9</b> 75.9 <b>75.0</b> 74.1 <b>73.2</b> 72.2 <b>71.3</b> 70.4 <b>69.4</b> 67.1 <b>64.6</b> 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 <b>81.0</b> 79.9 <b>78.7</b> <b>76.3</b> 75.1 <b>76.3</b> 75.1 <b>74.0</b> 72.8 <b>71.6</b> 70.3 <b>69.1</b> 67.9 <b>65.4</b> <b>65.4</b> <b>64.1</b> <b>62.8</b> <b>59.5</b>	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 <b>80.6</b> 79.6 <b>78.7</b> 77.7 <b>76.7</b> 75.7 <b>76.7</b> 73.7 <b>72.7</b> 71.7 <b>70.7</b> 69.7 <b>69.7</b> 69.7 <b>69.6</b> 67.6 <b>65.0</b> 62.3 <b>59.6</b>	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 <b>81.0</b> 77.5 <b>76.3</b> 77.5 <b>76.3</b> 75.1 <b>74.0</b> 72.8 <b>71.6</b> 70.3 <b>69.1</b> 67.9 <b>66.6</b> 65.4 <b>64.1</b> 62.8 <b>59.5</b> 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 * <b>123,600</b> * <b>123,600</b> * <b>100,600</b> 88,900 <b>80,200</b> 72,400 <b>66,300</b> <b>66,300</b> <b>61,300</b> <b>61,300</b> <b>57,000</b> <b>57,000</b> <b>48,900</b> <b>46,200</b> <b>48,900</b> <b>46,200</b> <b>43,400</b> <b>40,700</b> <b>36,600</b> <b>32,300</b> <b>28,700</b> <b>25,900</b> 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 <b>80.6</b> 79.6 <b>78.6</b> 77.7 <b>76.7</b> 75.7 <b>74.7</b> 73.7 <b>72.7</b> 71.7 <b>70.7</b> 69.7 <b>68.6</b> 67.6 <b>65.0</b> 62.3 <b>50.8</b> 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 <b>81.0</b> 77.5 <b>76.3</b> 77.5 <b>76.3</b> 75.1 <b>74.0</b> 72.8 <b>71.6</b> 70.3 <b>69.1</b> 67.9 <b>66.6</b> 65.4 <b>64.1</b> 62.8 <b>59.5</b> 56.1 <b>52.5</b> 48.8 <b>44.8</b>	360° Rated Load (lbs) 125,600 * <b>123,600</b> * <b>123,600</b> * <b>100,600</b> 88,900 <b>80,200</b> 72,400 <b>66,300</b> <b>61,300</b> <b>57,000</b> <b>57,000</b> <b>48,900</b> <b>46,200</b> <b>48,900</b> <b>46,200</b> <b>43,400</b> <b>40,700</b> <b>38,700</b> <b>36,600</b> <b>32,300</b> <b>25,900</b> <b>23,500</b> <b>21,400</b>	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 <b>80.6</b> 79.6 <b>78.6</b> 77.7 <b>76.7</b> 75.7 <b>74.7</b> 73.7 <b>72.7</b> 71.7 <b>70.7</b> 69.7 <b>68.6</b> 67.6 <b>65.0</b> 62.3 <b>59.6</b> 55.8 <b>53.8</b> 50.8 <b>47.7</b>	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 <b>81.0</b> 79.9 <b>78.7</b> 77.5 <b>76.3</b> 75.1 <b>74.0</b> 72.8 <b>71.6</b> 70.3 <b>66.6</b> 65.4 <b>64.1</b> 62.8 <b>59.5</b> 56.1 <b>52.5</b> 56.1 <b>54.8</b> <b>44.8</b> <b>40.5</b>	360° Rated Load (lbs) 125,600 * <b>123,600</b> * <b>123,600</b> * <b>100,600</b> 88,900 80,200 72,400 <b>66,300</b> 61,300 <b>57,000</b> <b>52,700</b> <b>48,900</b> <b>48,900</b> <b>48,900</b> <b>43,400</b> <b>40,700</b> <b>38,700</b> <b>36,600</b> <b>32,300</b> <b>25,900</b> <b>23,500</b> <b>21,400</b> <b>19,600</b>	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 <b>80.6</b> 79.6 <b>78.6</b> 77.7 <b>76.7</b> 75.7 <b>74.7</b> 73.7 <b>74.7</b> 73.7 <b>72.7</b> 71.7 <b>76.7</b> 69.7 <b>68.6</b> 67.6 <b>65.0</b> 62.3 <b>59.6</b> 50.8 <b>53.8</b> <b>53.8</b> <b>50.8</b> <b>47.7</b> 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 <b>81.0</b> 79.9 <b>78.7</b> 77.5 <b>76.3</b> 75.1 <b>74.0</b> 72.8 <b>71.6</b> 70.3 <b>63.7</b> 6 <b>7.9</b> <b>66.6</b> 65.4 <b>64.1</b> 62.8 <b>59.5</b> 56.1 <b>52.5</b> 56.1 <b>52.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>55.1</b> <b>56.1</b> <b>56.1</b> <b>56.1</b> <b>56.1</b> <b>56.1</b> <b>57.5</b> <b>56.1</b> <b>57.5</b> <b>57.5</b> <b>57.1</b> <b>57.5</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> 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<b>57.157.1</b> <b>57.1</b> <b>57.157.1</b> <b>57.15</b>	360° Rated Load (lbs) 125,600 * <b>123,600</b> * <b>123,600</b> * <b>100,600</b> 88,900 <b>80,200</b> 72,400 <b>66,300</b> <b>61,300</b> <b>57,000</b> <b>52,700</b> <b>48,900</b> <b>43,400</b> <b>40,700</b> <b>38,700</b> <b>36,600</b> <b>32,300</b> <b>25,900</b> <b>23,500</b> <b>21,400</b> <b>19,600</b> <b>18,100</b>	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 <b>80.6</b> 79.6 <b>78.6</b> 77.7 <b>76.7</b> 75.7 <b>76.7</b> 71.7 <b>71.7</b> 71.7 <b>70.7</b> 69.7 <b>68.6</b> 67.6 <b>65.0</b> 62.3 <b>59.6</b> 56.8 <b>53.8</b> 50.8 <b>53.8</b> <b>53.8</b> <b>53.8</b> <b>54.7</b> <b>74.7</b>	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 <b>81.0</b> 79.9 <b>78.7</b> 77.5 <b>76.3</b> 75.1 <b>74.0</b> 72.8 <b>71.6</b> 70.3 <b>63.7</b> 6 <b>7.9</b> <b>66.6</b> 65.4 <b>64.1</b> 62.8 <b>59.5</b> 56.1 <b>52.5</b> 56.1 <b>52.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>55.1</b> <b>56.1</b> <b>56.1</b> <b>56.1</b> <b>56.1</b> <b>56.1</b> <b>57.5</b> <b>56.1</b> <b>57.5</b> <b>57.5</b> <b>57.1</b> <b>57.5</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> <b>57.1</b> 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<b>57.157.1</b> <b>57.1</b> <b>57.157.1</b> <b>57.157.1</b> <b>57.157.157</b>	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 <sup>°</sup>	Load	Boom	360 <sup>°</sup>	Load	Boom	360 <sup>°</sup>	Load	Boom	360 <sup>°</sup>	Load	Boom	360 <sup>°</sup>
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 <b>30.0</b>	80.3 <b>79.4</b>	70,800 * <b>69,000 *</b>	30.0 32.0	80.1 <b>79.4</b>	60,400 * <b>59,400</b> *	32.0 <b>34.0</b>	80.1 <b>79.4</b>	49,700 * <b>49,200</b> *	34.0 <b>36.0</b>	80.0 <b>79.3</b>	43,200 * <b>42,500</b> *	34.0 <b>36.0</b>	80.5 <b>79.9</b>	38,200 * <b>37,600</b> *
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	<b>54,100</b> *	38.0	77.9	47,800 *	40.0	77.9	<b>41,200</b> * 40.600 *	40.0	78.6	<b>36,400</b> *
36.0 <b>38.0</b>	76.9 <b>76.1</b>	56,200 <b>52,000</b>	38.0 <b>40.0</b>	77.0 <b>76.3</b>	51,000 * <b>48,000</b>	40.0 <b>42.0</b>	77.2 <b>76.4</b>	46,600 * <b>44,300</b> *	42.0 <b>44.0</b>	77.2 <b>76.5</b>	40,600 * <b>40,000 *</b>	42.0 <b>44.0</b>	77.9 <b>77.2</b>	35,800 * <b>35,100</b> *
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 *
<b>42.0</b> 44.0	<b>74.4</b> 73.5	<b>45,400</b> 42,600	<b>44.0</b> 46.0	<b>74.7</b> 73.9	<b>42,400</b> 39,600	<b>46.0</b> 48.0	<b>74.9</b> 74.1	<b>39,800</b> 37,800	<b>48.0</b> 50.0	<b>75.1</b> 74.4	<b>37,400</b> * 35,400 *	<b>48.0</b> 50.0	<b>75.9</b> 75.3	<b>33,900 *</b> 33,300 *
<b>46.0</b>	<b>73.3 72.7</b>	<b>39,800</b>	<b>48.0</b>	<b>73.9</b>	37,500	<b>50.0</b>	<b>73.4</b>	<b>35,800</b>	<b>55.0</b>	<b>72.6</b>	<b>31,200</b>	<b>55.0</b>	<b>73.7</b>	<b>30,800</b> *
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
<b>50.0</b> 55.0	<b>71.0</b> 68.8	<b>35,800</b> 31,400	<b>55.0</b> 60.0	<b>70.3</b> 68.2	<b>31,200</b> 27,600	<b>60.0</b> 65.0	<b>69.6</b> 67.7	<b>27,800</b> 25,000	<b>65.0</b> 70.0	<b>69.1</b> 67.3	<b>24,600</b> 22,300	<b>65.0</b> 70.0	<b>70.3</b> 68.6	<b>24,400</b> 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 <b>70.0</b>	64.3 <b>62.0</b>	25,000 <b>22,600</b>	70.0 <b>75.0</b>	64.0 <b>61.9</b>	22,400 <b>20,300</b>	75.0 <b>80.0</b>	63.8 <b>61.8</b>	20,500 <b>18,700</b>	80.0 <b>85.0</b>	63.5 <b>61.6</b>	18,500 <b>16,800</b>	80.0 <b>85.0</b>	65.2 <b>63.4</b>	18,100 <b>16,600</b>
75.0	<b>62.0</b> 59.7	20,500	80.0	59.6	18,500	85.0	59.7	17,000	90.0	59.7	15,400	90.0	<b>63.4</b> 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 <b>90.0</b>	54.8 <b>52.2</b>	17,200 <b>15,900</b>	90.0 95.0	55.2 <b>52.8</b>	15,700 <b>14,400</b>	95.0 <b>100.0</b>	55.4 <b>53.2</b>	14,500 <b>13,500</b>	100.0 <b>110.0</b>	55.8 <b>51.5</b>	13,300 <b>11,500</b>	100.0 <b>110.0</b>	57.9 <b>54.0</b>	12,900 <b>11,100</b>
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 <b>120.0</b>	40.8 <b>34.0</b>	11,900 <b>10,300</b>	120.0 <b>130.0</b>	39.3 <b>32.8</b>	10,300 <b>8,900</b>	130.0 <b>140.0</b>	38.1 <b>31.6</b>	8,900 <b>7,900</b>	140.0 <b>150.0</b>	36.8 <b>30.5</b>	7,700 <b>6,800</b>	140.0 <b>150.0</b>	40.9 <b>35.7</b>	7,400 <b>6,500</b>
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 <sup>°</sup> Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)									
Load Radius (ft) 32.0	Boom Angle (deg.) 81.6	360 <sup>°</sup> 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 <sup>°</sup> Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)									
Load Radius (ft) 32.0 <b>34.0</b> 36.0 <b>38.0</b>	Boom Angle (deg.) 81.6 <b>81.0</b> 80.4 <b>79.8</b>	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 *	Load Radius (ft) 34.0 <b>36.0</b> 38.0 <b>40.0</b>	Boom Angle (deg.) 81.5 <b>80.9</b> 80.3 <b>79.7</b>	360° Pated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 *									
Load Radius (ft) 32.0 <b>34.0</b> 36.0 <b>38.0</b> 40.0	Boom Angle (deg.) 81.6 <b>81.0</b> 80.4 <b>79.8</b> 79.2	360° Rated Load (Ibs) 34,400 * 33,800 * 33,300 * 32,700 * 32,200 *	Load Radius (ft) 34.0 <b>36.0</b> 38.0 <b>40.0</b> 42.0	Boom Angle (deg.) 81.5 <b>80.9</b> 80.3 <b>79.7</b> 79.1	360° Rated Load (/bs) 30,300 * 29,700 * 29,200 * 28,200 * 28,200 *									
Load Radius (ft) 32.0 <b>34.0</b> 36.0 <b>38.0</b>	Boom Angle (deg.) 81.6 <b>81.0</b> 80.4 <b>79.8</b>	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 *	Load Radius (ft) 34.0 <b>36.0</b> 38.0 <b>40.0</b>	Boom Angle (deg.) 81.5 <b>80.9</b> 80.3 <b>79.7</b>	360° Pated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 *									
Load Radius (ft) 32.0 <b>34.0</b> 36.0 <b>38.0</b> 40.0 <b>42.0</b> 44.0 <b>46.0</b>	Boom Angle (deg.) 81.6 <b>81.0</b> 80.4 <b>79.8</b> 79.2 <b>78.6</b> 78.0 <b>77.4</b>	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 <b>34.0</b> 36.0 38.0 40.0 <b>42.0</b> 44.0 <b>46.0</b> 48.0	Boom Angle (deg.) 81.6 <b>81.0</b> 80.4 <b>79.8</b> 79.2 <b>78.6</b> 78.0 <b>77.4</b> 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 <b>81.0</b> 80.4 <b>79.8</b> 79.2 <b>78.6</b> 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 <b>79.7</b> 79.1 <b>78.6</b> 78.0 <b>77.4</b> 76.8 <b>75.3</b> 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 <b>81.0</b> 80.4 <b>79.8</b> 79.2 <b>78.6</b> 78.0 <b>77.4</b> 76.1 74.5 <b>73.0</b>	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 <b>80.9</b> 80.3 <b>79.7</b> 79.1 <b>78.6</b> 78.0 <b>77.4</b> 76.8 <b>75.3</b> 73.8 <b>72.4</b>	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 <b>81.0</b> 80.4 <b>79.8</b> 79.2 <b>78.6</b> 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 <b>34.0</b> 36.0 38.0 40.0 <b>42.0</b> 44.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0	Boom Angle (deg.) 81.6 <b>81.0</b> 80.4 <b>79.2</b> <b>78.6</b> 78.0 <b>77.4</b> 76.7 <b>76.1</b> 74.5 <b>73.0</b> 71.4 <b>69.8</b> 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 <b>81.0</b> 80.4 <b>79.2</b> <b>78.6</b> 78.0 <b>77.4</b> 76.7 <b>76.1</b> 74.5 <b>73.0</b> 71.4 <b>69.8</b> 68.2 <b>66.5</b>	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 <b>34.0</b> 36.0 38.0 40.0 <b>42.0</b> 44.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0	Boom Angle (deg.) 81.6 <b>81.0</b> 80.4 <b>79.2</b> <b>78.6</b> 78.0 <b>77.4</b> 76.7 <b>76.1</b> 74.5 <b>73.0</b> 71.4 <b>69.8</b> 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 <b>81.0</b> 80.4 <b>79.8</b> 79.2 <b>78.6</b> 78.0 <b>77.4</b> 76.1 74.5 <b>73.0</b> 71.4 <b>69.8</b> 68.2 <b>69.8</b> 64.9 <b>63.2</b> 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 <b>81.0</b> 80.4 <b>79.8</b> 79.2 <b>78.6</b> 78.0 <b>77.4</b> 76.1 74.5 <b>73.0</b> 71.4 <b>69.8</b> 68.2 <b>69.8</b> 64.9 <b>63.2</b> 64.9 <b>63.2</b> 61.5 <b>59.7</b>	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 <b>81.0</b> 80.4 <b>79.8</b> 79.2 <b>78.6</b> 78.0 <b>77.4</b> 76.1 74.5 <b>73.0</b> 71.4 <b>69.8</b> 68.2 <b>69.8</b> 64.9 <b>63.2</b> 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 <b>81.0</b> 80.4 <b>79.8</b> 79.2 <b>78.6</b> 78.0 <b>77.4</b> 76.7 <b>76.1</b> 74.5 <b>73.0</b> 71.4 <b>69.8</b> 68.2 <b>64.9</b> <b>63.2</b> 61.5 <b>59.7</b> 56.2 <b>52.5</b> 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 <b>81.0</b> 80.4 <b>79.2</b> <b>78.6</b> 78.0 <b>77.4</b> 76.7 <b>76.1</b> 74.5 <b>73.0</b> 71.4 <b>69.8</b> 68.2 <b>66.5</b> 64.9 <b>63.2</b> 61.5 <b>59.7</b> 56.2 <b>52.5</b> 48.5 <b>44.3</b>	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	<b>' Boo</b> r	n																				
		30 f	t <b>J</b> 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 <b>40.0</b>	79.6 <b>78.5</b>	21,000* <b>21,000</b> *	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 <b>50.0</b>	79.7 <b>77.1</b>	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 <b>60.0</b>	78.0 <b>75.5</b>	11,080* <b>10,490</b> *	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* <b>18,000</b> * 17,850* <b>16,180</b> * 14,850* <b>13,730</b> *	60.0 <b>65.0</b>	78.7 <b>76.4</b>	8,950* <b>8,480</b> *
<b>40.0</b> 45.0 <b>50.0</b> 55.0 <b>60.0</b>	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	<b>14,480*</b> 13,640* <b>12,980*</b> 12,360* <b>11,830</b> *	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 <b>70.0</b> 75.0 <b>80.0</b>	59.3 <b>56.2</b> 52.8 <b>49.3</b>	22,920 <b>20,810</b> 18,910 <b>17,370</b>	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 <b>80.0</b> 85.0 <b>90.0</b>	57.6 <b>54.6</b> 51.5 <b>48.3</b>	16,660* <b>15,670</b> * 14,810* <b>14,040</b> *	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 <b>90.0</b> 95.0 <b>100.0</b>	56.0 <b>53.2</b> 50.0 <b>46.9</b>	12,140* <b>11,500</b> * 10,890* <b>10,360</b> *	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 <b>95.0</b> 100.0 <b>105.0</b>	57.0 <b>54.2</b> 51.5 <b>48.7</b>	9,870* <b>9,320</b> * 8,860* <b>8,440</b> *	90.0 <b>95.0</b> 100.0 <b>105.0</b>	63.9 <b>60.9</b> 58.1 <b>55.0</b>	6,760* <b>6,500*</b> 6,280* <b>6,100</b> *
85.0 <b>90.0</b> 95.0 <b>100.0</b>	45.7 <b>41.8</b> 37.2 <b>32.4</b>	16,020 <b>14,850</b> 13,750 <b>12,830</b>				95.0 <b>100.0</b> 105.0 <b>110.0</b>	44.6 <b>40.8</b> 36.7 <b>32.1</b>	13,310* <b>12,690</b> * 12,120 <b>11,350</b> *				105.0 <b>110.0</b> 115.0	43.6 <b>40.0</b> 35.8	9,890* <b>9,470</b> * 9,080*				110.0 <b>115.0</b> 120.0 <b>125.0</b>	45.7 42.3 38.8 35.1	8,060* <b>7,690</b> * 7,380* <b>7,120</b> *	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	<b>Boo</b> 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 <b>34.0</b>	(deg.) 79.1 <b>78.1</b>	(lbs) 24,000* <b>24,000</b> *	<u>(ft)</u>	(deg.)	(lbs)	(ft) 36.0 <b>38.0</b>	(deg.) 79.3 <b>78.4</b>	(lbs) 24,000* <b>24,000</b> *	<u>(ft)</u>	(deg.)	(lbs)	(ft) 38.0 <b>40.0</b>	(deg.) 80.0 <b>79.2</b>	(lbs) 20,000* <b>20,000</b> *	<u>(ft)</u>	(deg.)	(lbs)	(ft) 45.0 <b>50.0</b>	(deg.) 78.6 <b>76.6</b>	(lbs) 18,000* <b>18,000</b> *	<u>(ft)</u>	(deg.)	(lbs)
36.0 38.0 40.0 45.0	77.1 <b>76.2</b> 75.2 <b>72.7</b>	24,000* 24,000* 24,000* 24,000*	40.0 <b>45.0</b>	79.5 <b>77.0</b>	21,000* <b>21,000</b> *	40.0 45.0 50.0 55.0	77.5 <b>75.2</b> 72.9 <b>70.4</b>	24,000* 24,000* 24,000* 23,890*	50.0 <b>55.0</b>	78.2 <b>75.6</b>	14,810* <b>14,020</b> *	45.0 <b>50.0</b> 55.0 <b>60.0</b>	77.1 <b>75.0</b> 72.7 <b>70.5</b>	20,000* 20,000* 19,550* 18,000*	55.0 <b>60.0</b>	78.9 <b>76.7</b>	11,300* <b>10,730</b> *	55.0 60.0 65.0 70.0	74.5 72.5 70.5 68.4	16,970* <b>15,630</b> * 14,460* <b>13,470</b> *	<b>60.0</b> 65.0 <b>70.0</b>	<b>79.5</b> 77.4 <b>75.3</b>	<b>9,100*</b> 8,660* <b>8,240</b> *
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* <b>19,020</b> * 18,120* <b>17,320</b> * 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* <b>12,760</b> * 12,230* <b>11,720</b> * 11,300*	65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0	68.3 66.1 63.6 61.3 58.8	16,730* <b>15,580</b> * 14,520* <b>13,660</b> * 12,890*	65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0	74.4 <b>72.0</b> 69.5 <b>67.0</b> 64.5	10,250* 9,780* 9,360* 8,990* 8,680*	75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0	66.1 64.0 61.8 59.5 57.1	12,520* <b>11,770</b> * 11,080* <b>10,470</b> * 9,890*	75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0	72.9 <b>70.7</b> 68.4 <b>66.0</b> 63.4	7,870* 7,530* 7,230* 6,960* 6,700*
<b>75.0</b> 80.0 <b>85.0</b> 90.0	<b>56.4</b> 53.5 <b>50.4</b> 47.1	<b>18,620</b> 17,080 <b>15,760</b> 14,570	<b>75.0</b> 80.0 <b>85.0</b>	60.2 57.1 53.9	15,960* 15,430* 14,940*	<b>85.0</b> 90.0 <b>95.0</b> 100.0	<b>55.1</b> 52.3 <b>49.1</b> 46.0	<b>15,800*</b> 14,740 <b>13,620</b> 12,690	85.0 90.0 95.0	<b>59.7</b> 56.7 <b>53.4</b>	10,930* 10,580* 10,270*	<b>90.0</b> 95.0 <b>100.0</b> 105.0	<b>56.3</b> 53.6 <b>50.9</b> 48.0	<b>12,210*</b> 11,570* <b>11,020*</b> 10,530*	<b>90.0</b> 95.0 <b>100.0</b> 105.0	64.5 61.8 58.9 56.1 53.1	8,000 8,370* 8,110* 7,870* 7,640*	<b>100.0</b> 105.0 <b>110.0</b> 115.0	<b>54.7</b> 52.2 <b>49.6</b> 46.7	<b>9,390*</b> 8,950* <b>8,550</b> * 8,150*	<b>100.0</b> 105.0 <b>110.0</b> 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	<b>43.4</b> 39.7 <b>35.6</b>	<b>13,470</b> 12,540 <b>11,700</b>				105.0 110.0 115.0	<b>42.7</b> 39.1 <b>35.0</b>	11,860 11,080 10,360				<b>110.0</b> 115.0 <b>120.0</b> 125.0	<b>45.1</b> 41.7 <b>38.2</b> 34.4	<b>10,070*</b> 9,650* <b>9,300*</b> 8,970*				<b>120.0</b> 125.0 <b>130.0</b> 135.0	40.7 <b>37.4</b>	<b>7,820*</b> 7,530* <b>7,270*</b> 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 <b>J</b> ib						t Jib						t <b>Ji</b> b					60 f	t <b>J</b> 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 <b>45.0</b>	78.4 <b>76.3</b>	24,000* 24,000*				50.0 <b>55.0</b>	76.0 <b>73.9</b>	20,000* <b>20,000</b> *	55.0	79.7	11,500*	55.0 60.0	75.5 <b>73.7</b>	17,720* <b>16,350</b> *			
40.0		· ·				50.0	74.2	24,000*	50.0	79.1	15,100*	60.0	71.9	<b>20,000</b> 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*
<b>55.0</b> 60.0					<b>19,570*</b> 18,690*	65.0 70.0	<b>67.5</b> 65.3	<b>21,620</b> * 20,190*	65.0 70.0	<b>72.2</b> 69.9	<b>13,090*</b> 12,560*	<b>75.0</b> 80.0	<b>65.6</b> 63.4	<b>15,340*</b> 14,440*	<b>75.0</b> 80.0	<b>71.1</b> 68.8	<b>9,610*</b> 9,230*	<b>80.0</b> 85.0	<b>65.8</b> 63.8	<b>12,360*</b> 11,660*	<b>80.0</b> 85.0	<b>72.1</b> 70.0	<b>7,710</b> * 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	<b>62.4</b>	11,260*	95.0	56.5	12,230*	<b>95.0</b>	<b>61.6</b>	8,330*	100.0	57.3	9,920*	100.0	<b>63.2</b>	6,670*
80.0 <b>85.0</b>					15,960* <b>15,450</b> *	90.0 <b>95.0</b>	55.5 <b>52.8</b>	14,500 <b>13,380</b>	90.0 <b>95.0</b>	59.8 <b>56.9</b>	10,910* <b>10,580</b> *	100.0 <b>105.0</b>	54.1 <b>51.6</b>	11,660* <b>11,150</b> *	100.0 <b>105.0</b>	59.1 <b>56.4</b>	8,090* <b>7,870</b> *	105.0 <b>110.0</b>	55.1 <b>52.7</b>	9,450* <b>9,030</b> *	105.0 110.0	60.9 <b>58.4</b>	6,450* <b>6,280</b> *
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 <b>105.0</b>						110.0 115.0	44.3 <b>40.9</b>	10,840 <b>10,110</b>				120.0 125.0	43.2 <b>40.2</b>	9,590 <b>9,010</b>				125.0 130.0	45.1 <b>42.3</b>	7,950* <b>7,670</b> *			
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 <b>36.0</b>	79.8 <b>79.0</b>	24,000* <b>24,000</b> *				38.0 <b>40.0</b>	79.9 <b>79.2</b>	24,000* 24,000*				45.0 <b>50.0</b>	78.8 <b>76.9</b>	20,000* <b>20,000</b> *				45.0 <b>50.0</b>	80.0 <b>78.3</b>	18,000* <b>18,000</b> *			
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 <b>50.0</b>	75.3 <b>73.2</b>	24,000* <b>24,000</b> *	45.0 <b>50.0</b>	79.0 <b>76.8</b>	21,000* <b>21,000</b> *	55.0 60.0	73.2 <b>71.2</b>	24,000* 24,000*	55.0 <b>60.0</b>	77.7 <b>75.6</b>	14,610* <b>13,970</b> *	65.0 <b>70.0</b>	71.2 <b>69.3</b>	18,430* <b>17,230</b> *	65.0 <b>70.0</b>	76.5 <b>74.6</b>	10,670* <b>10,250</b> *	65.0 <b>70.0</b>	72.9 <b>71.1</b>	15,820* <b>14,770</b> *	65.0 70.0	79.1 <b>77.2</b>	8,970* <b>8,570</b> *
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*
<b>70.0</b> 75.0		<b>20,150</b> 18,230	70.0	67.7 65.1	<b>17,700</b> * 17,040*	<b>80.0</b> 85.0	<b>62.7</b> 60.5	<b>16,880</b> 15,520	<b>80.0</b> 85.0	<b>66.9</b> 64.6	<b>11,940*</b> 11,570*	<b>90.0</b> 95.0	<b>61.2</b> 58.9	<b>13,600*</b> 12,890*	<b>90.0</b> 95.0	<b>66.1</b> 63.8	<b>8,840</b> * 8,550*	<b>90.0</b> 95.0	<b>63.6</b> 61.5	<b>11,590</b> * 10,950*	<b>90.0</b> 95.0	<b>69.4</b> 67.2	<b>7,310</b> * 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*
<b>90.0</b> 95.0		<b>14,150</b> 13,020	<b>90.0</b> 95.0	<b>57.6</b>	<b>14,440</b>	<b>100.0</b> 105.0	<b>53.3</b> 50.8	<b>12,250</b> 11,410	<b>100.0</b> 105.0	<b>57.1</b> 54.5	<b>10,600*</b> 10,330*	<b>110.0</b> 115.0	<b>52.2</b> 49.6	<b>10,780</b> 10,030	<b>110.0</b> 115.0	<b>56.7</b> 54.0	<b>7,890</b> * 7,690*	<b>110.0</b> 115.0	<b>55.4</b> 53.1	<b>9,500</b> * 9,080*	110.0	<b>60.8</b>	<b>6,430</b> * 6,260*
95.0 100.0		13,020 12,100	95.0 100.0	54.8 <b>52.0</b>	13,270 <b>12,320</b>	1105.0	48.2	<b>10,640</b>	105.0 110.0	54.5 <b>51.8</b>	10,330* 10,110*	120.0	49.0 <b>47.1</b>	9,390	113.0	54.0	1,090.1	120.0	<b>50.9</b>	9,080***********************************	120.0	58.4 <b>56.1</b>	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 <b>120.0</b>		9,780 <b>9,170</b>				125.0 130.0	39.4 <b>36.1</b>	8,730 <b>8,200</b>				135.0 <b>140.0</b>	38.8 <b>35.4</b>	7,800 <b>7,250</b> *				135.0 <b>140.0</b>	43.6 <b>40.8</b>	7,780* <b>7,380</b>			
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 <b>J</b> ib						t <b>J</b> ib					50 f	t <b>J</b> ib					60 f	t <b>J</b> 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 <b>38.0</b>	79.7 <b>79.0</b>	24,000* <b>24,000</b> *				40.0 <b>45.0</b>	79.9 <b>78.1</b>	24,000* <b>24,000</b> *				45.0 <b>50.0</b>	79.5 <b>77.7</b>	20,000* <b>20,000</b> *				50.0 <b>55.0</b>	78.9 <b>77.2</b>	18,000* <b>18,000</b> *			
40.0	78.2	24,000*				<b>43.0</b> 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*
<b>65.0</b> 70.0	<b>68.2</b> 66.1	<b>21,970</b> 19,860	65.0 70.0	<b>71.4</b> 69.3	<b>18,910*</b> 18,180*	<b>75.0</b> 80.0	<b>66.5</b> 64.5	<b>18,160</b> 16,620	<b>75.0</b> 80.0	<b>70.6</b> 68.5	<b>12,670*</b> 12,250*	<b>80.0</b> 85.0	<b>66.8</b> 65.0	<b>15,890</b> * 15,030*	<b>80.0</b> 85.0	<b>71.7</b> 69.7	<b>9,670</b> * 9,340*	<b>85.0</b> 90.0	<b>67.0</b> 65.2	<b>12,780*</b> 12,120*	<b>85.0</b> 90.0	<b>72.6</b> 70.7	<b>7,730</b> * 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	<b>12,740</b>	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*	<b>115.0</b> 120.0	55.6	9,520*	115.0	<b>60.7</b>	6,410*
100.0 105.0	52.4 <b>49.9</b>	11,790 <b>10,950</b>	100.0 105.0	55.2 <b>52.6</b>	12,050 <b>11,170</b>	110.0 <b>115.0</b>	51.5 <b>48.9</b>	10,360 <b>9.630</b>	110.0 115.0	55.0 <b>52.3</b>	10,360* <b>9,870</b>	115.0 <b>120.0</b>	52.6 <b>50.4</b>	9,740 <b>9,100</b>	115.0 120.0	56.8 <b>54.5</b>	7,870* <b>7,690</b> *	120.0 125.0	53.6 <b>51.5</b>	9,140* <b>8,610</b>	120.0 125.0	58.6 <b>56.4</b>	6,260* <b>6,100</b> *
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*				<b>155.0</b> 160.0	<b>36.8</b> 33.6	<b>5,730*</b> 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 <b>J</b> ib					50 f	t <b>J</b> ib					60 f	t <b>J</b> 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 <b>50.0</b>	77.1 <b>75.3</b>	24,000* <b>24,000</b> *	50.0	78.5	21,000*	55.0 60.0	75.2 <b>73.5</b>	24,000* 24,000*	55.0 60.0	79.3 <b>77.5</b>	15,100* <b>14,500</b> *	55.0 <b>60.0</b>	76.7 <b>75.1</b>	20,000* <b>20,000</b> *	60.0	79.9	11,480*	60.0 <b>65.0</b>	76.3 <b>74.8</b>	18,000* <b>17,100</b> *			
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 <b>4,500</b> 13,930*	65.0	73.4	20,000* 20,000*	65.0	7 <b>9.9</b> 78.2	11,4 <b>00</b> 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 <b>J</b> ib					-	t <b>J</b> ib						ft <b>Ji</b> b						ft <b>Ji</b> 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 <b>45.0</b>	79.6 <b>77.9</b>	24,000* 24,000*				45.0 <b>50.0</b>	79.4 <b>77.8</b>	24,000* 24,000*				50.0 <b>55.0</b>	79.1 <b>77.4</b>	20,000* <b>20,000</b> *				55.0 60.0	78.5 <b>77.0</b>	18,000* <b>18,000</b> *			
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 <b>70.9</b>	23,980 <b>21,450</b>	60.0 65.0	75.6 <b>73.8</b>	20,540* <b>19,770</b> *	65.0 <b>70.0</b>	72.8 <b>71.1</b>	21,730 <b>19,590</b>	65.0 <b>70.0</b>	76.5 <b>74.8</b>	14,170* <b>13,690</b> *	70.0 <b>75.0</b>	72.8 <b>71.1</b>	19,480* <b>17,850</b>	70.0 75.0	77.2 <b>75.5</b>	10,780* <b>10,380</b> *	75.0 <b>80.0</b>	72.5 <b>71.0</b>	15,520* <b>14,630</b> *	75.0 80.0	77.7 <b>76.1</b>	8,590* <b>8,310</b> *
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 <b>85.0</b>	65.3 <b>63.5</b>	15,850 <b>14,480</b>	80.0 <b>85.0</b>	68.1 66.2	16,330 <b>14,940</b>	85.0 90.0	65.9 <b>64.1</b>	14,720 13,510	85.0 90.0	69.4 <b>67.6</b>	12,380* <b>12,030</b> *	90.0 <b>95.0</b>	66.2 <b>64.4</b>	13,660 <b>12,520</b>	90.0 95.0	70.4 68.6	9,430* <b>9,120</b> *	95.0 <b>100.0</b>	66.2 64.6	12,450* <b>11,680</b>	95.0 100.0	71.2 69.5	7,510* <b>7,270</b> *
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 <b>55.5</b>	11,220 <b>10,380</b>	100.0 105.0	60.1 <b>58.1</b>	11,550 <b>10,690</b>	105.0 110.0	58.5 <b>56.6</b>	10,580 <b>9,810</b>	105.0 110.0	61.8 <b>59.8</b>	10,970 <b>10,180</b>	110.0 <b>115.0</b>	59.2 <b>57.3</b>	9,940 <b>9,190</b>	110.0 115.0	63.2 61.2	8,440* <b>8,220</b> *	115.0 120.0	59.6 <b>57.9</b>	9,300 <b>8,660</b>	115.0 120.0	64.3 62.5	6,700* <b>6,520</b> *
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 <b>46.6</b>	8,260 <b>7,690</b>	120.0	51.3	8,480	125.0 130.0	50.4 <b>48.2</b>	7,840 <b>7,310</b>	125.0	53.4	8,130	130.0 <b>135.0</b>	51.6 <b>49.5</b>	7,450 <b>6,940</b>	130.0 135.0	55.3 <b>53.1</b>	7,710* <b>7,250</b>	135.0 <b>140.0</b>	52.5 <b>50.5</b>	7,030 <b>6,540</b>	135.0 140.0	56.9 <b>54.7</b>	6,100* <b>5,970</b> *
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 <b>36.0</b>	6,060* <b>5,400</b> *				145.0 150.0	41.1 38.5	5,880* <b>5,290</b> *				150.0 <b>155.0</b>	42.9 <b>40.5</b>	5,640* <b>5,090</b> *				155.0 160.0	44.4 <b>42.0</b>	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* <b>1</b>	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 <sup>ft</sup> Jib						t <b>J</b> ib						ft <b>Ji</b> b						ft <b>Ji</b> b		
	150	)' Boo 301 O set Ar	m <sup>ft</sup> Jib	eg.) 30			( 10	40 f	t <b>J</b> ib	eg.) 30			(0	501 D set Ar	ft <b>Ji</b> b	eg.) 30			( 10	60 O set Ar	ft <b>Ji</b> b	leg.) 30	
Load Radius (ft)	150	)' Boo 301 O set Ar	m <sup>ft</sup> Jib	eg.)		Load Radius (ft)	( 10 Boom	40 f	t <b>J</b> ib	eg.)	Rated Load (lbs)	Load Radius (ft)	(	501 D set Ar	ft <b>Ji</b> b	eg.)	Rated Load (lbs)	Load Radius (ft)	(	60 O set Ar	ft <b>Ji</b> 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 <b>50.0</b>	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 <b>50.0</b>	( 10 Boom Angle (deg.) 80.0 <b>78.5</b>	40 f O set An Rated Load (lbs) 24,000* <b>24,000</b> *	t Jib gle (d Load Radius	eg.) 30 Boom Angle	Rated Load	Load Padius (ft) 50.0 <b>55.0</b>	( 10 Boom Angle (deg.) 79.6 <b>78.1</b>	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 <b>77.7</b>	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	<b>M</b> <i>t</i> Jib gle (d Load Radius (ft) <b>50.0</b> <b>55.0</b> <b>60.0</b> 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 <b>78.5</b> 76.8 <b>75.3</b> 73.7	40 f 2 set Arr Pated Load (lbs) 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) <b>14,920*</b> 14,390*	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0	( 10 Boom Angle (deg.) 79.6 <b>78.1</b> 76.6 <b>75.1</b> 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 <b>50.0</b> 55.0 <b>60.0</b>	150 10 Boom Angle (deg.) 78.6 77.0 75.3 73.6	<ul> <li>Boo 30 f</li> <li>set Ar</li> <li>Pated Load (lbs)</li> <li>24,000*</li> <li>24,000*</li> <li>24,000*</li> <li>24,000*</li> <li>23,800</li> </ul>	m gle (d Load Radius (ft) <b>50.0</b> 55.0 <b>60.0</b>	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 <b>78.5</b> 76.8 <b>75.3</b> 73.7 <b>72.1</b>	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 <b>78.1</b> 76.6 <b>75.1</b>	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 <b>78.5</b> 76.8 <b>75.3</b> 73.7 <b>72.1</b> 70.5 <b>68.8</b>	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 <b>78.1</b> 76.6 <b>75.1</b> 73.7 <b>72.1</b> 70.5 <b>69.0</b>	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 <b>69.0</b>	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> <b>50.0</b> <b>55.0</b> <b>60.0</b> <b>65.0</b> <b>70.0</b> <b>75.0</b> <b>80.0</b> <b>80.0</b> <b>85.0</b>	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 <b>78.5</b> 76.8 <b>75.3</b> 73.7 <b>72.1</b> 70.5 <b>68.8</b> 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	<b>eg.)</b> <b>30</b> <b>Boom</b> Angle (deg.) <b>79.9</b> 78.3 <b>76.8</b> 75.3 <b>73.8</b> 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 <b>78.5</b> 73.7 <b>72.1</b> 70.5 <b>68.8</b> 67.2 <b>65.6</b> 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.	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 <b>78.1</b> 76.6 <b>75.1</b> 73.7 <b>72.1</b> 70.5 <b>69.0</b> 67.5 <b>69.0</b> 67.5 <b>69.0</b> 67.5 <b>69.0</b> 69.2 <b>69.0</b> 69.2 <b>69.0</b> 69.2 <b>69.0</b> 69.2 <b>69.0</b> 69.2 <b>69.0</b> 69.2 <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> <b>69.0</b> 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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*
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* 23,800 21,270 19,150 17,210 15,670 14,300 13,110 11,990 11,040 10,200	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.) 30 Boom Angle (deg.) 79.9 78.1 76.4 74.8 73.1 74.8 69.5 67.7 65.9 63.9 62.1 60.2	Pated Load (lbs) 21,000* 20,150* 19,440* 17,810 16,200 14,790 13,530 11,390 10,510	Load Radius (ft) 45.0 55.0 65.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	10 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 <b>78.5</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> <b>76.8</b> 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<b>76.9</b> <b>76.9</b> <b>76.9</b> <b>76.9</b> <b>76</b>	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><ul> <li>(eg.)</li> <li>30</li> <li>Boom Angle (deg.)</li> <li>79.9</li> <li>78.3</li> <li>76.8</li> <li>75.3</li> <li>73.8</li> <li>73.8</li> <li>73.8</li> <li>73.8</li> <li>73.8</li> <li>73.8</li> <li>75.3</li> <li>75.3</li> <li>75.4</li> <li>70.6</li> <li>69.1</li> <li>65.7</li> <li>65.7</li> <li>64.1</li> <li>62.4</li> </ul></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	<ul> <li>(eg.)</li> <li>30</li> <li>Boom Angle (deg.)</li> <li>79.9</li> <li>78.3</li> <li>76.8</li> <li>75.3</li> <li>73.8</li> <li>73.8</li> <li>73.8</li> <li>73.8</li> <li>73.8</li> <li>73.8</li> <li>75.3</li> <li>75.3</li> <li>75.4</li> <li>70.6</li> <li>69.1</li> <li>65.7</li> <li>65.7</li> <li>64.1</li> <li>62.4</li> </ul>	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.) Boom Angle (deg.) 80.0 <b>78.5</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.3</b> <b>75.5</b> <b>68.8</b> <b>67.2</b> <b>63.8</b> <b>67.2</b> <b>63.8</b> <b>63.6</b> <b>63.6</b> <b>63.6</b> <b>63.8</b> <b>63.2</b> <b>53.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.6</b> <b>54.8</b> <b>54.6</b> <b>54.8</b> <b>54.6</b> <b>54.8</b> <b>54.6</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54.8</b> <b>54</b>	40 f 2 set An 24,000* 24,000* 24,000* 24,000* 24,000* 15,880 19,420 17,480 15,880 14,520 13,310 12,190 11,240 10,380 9,610 8,860 8,240	it Jib           gle (d           Radius           (ft)           60.0           65.0           70.0           75.0           80.0           95.0           90.0           100.0           110.0           115.0           120.0	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 57.8	Pated Load (lbs) 14,920* 14,390* 13,910* 13,420* 13,420* 12,630* 12,270* 11,610* 11,610* 10,820 10,030 9,230 8,570	Load Radius (ft) 50.0 65.0 65.0 65.0 75.0 80.0 75.0 80.0 75.0 80.0 90.0 90.0 90.0 90.0 100.0 110.0 110.0 110.0 120.0	(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 55.7	50 1 Set Ar. Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 20,000* 20,000* 10,630 11,390 11,30	Image         Image <th< td=""><td>eg.) 30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 64.8 62.9 61.2 59.3</td><td>Pated Load (lbs) 11,330* 10,930* 10,530* 10,200* 9,870* 9,060* 8,810* 8,90* 8,90* 8,90* 8,200*</td><td>Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0 125.0 130.0</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 56.3</td><td>60 3 5 set Ar 7 set Ar 18,000* 18,000* 18,000* 18,000* 16,040* 15,160* 13,620 12,450 11,500 10,640 9,850 9,100 8,460 7,870 7,340</td><td>ft J/b           rgle (a           load           Radius           (ft)           70.0           75.0           80.0           95.0           90.0           95.0           100.0           110.0           125.0           130.0</td><td><ul> <li>(eg.)</li> <li>30</li> <li>Boom Angle (deg.)</li> <li>79.9</li> <li>78.3</li> <li>76.8</li> <li>75.3</li> <li>73.8</li> <li>73.8</li> <li>73.8</li> <li>73.8</li> <li>73.8</li> <li>70.6</li> <li>69.1</li> <li>65.7</li> <li>65.7</li> <li>64.1</li> <li>62.4</li> <li>60.7</li> </ul></td><td>Pated Load (lbs) 9,060* 8,700* 8,420* 8,130* 7,890* 7,620* 7,400* 7,400* 7,010* 6,830* 6,650* 6,500* 6,500* 6,500*</td></th<>	eg.) 30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 64.8 62.9 61.2 59.3	Pated Load (lbs) 11,330* 10,930* 10,530* 10,200* 9,870* 9,060* 8,810* 8,90* 8,90* 8,90* 8,200*	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0 125.0 130.0	(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 56.3	60 3 5 set Ar 7 set Ar 18,000* 18,000* 18,000* 18,000* 16,040* 15,160* 13,620 12,450 11,500 10,640 9,850 9,100 8,460 7,870 7,340	ft J/b           rgle (a           load           Radius           (ft)           70.0           75.0           80.0           95.0           90.0           95.0           100.0           110.0           125.0           130.0	<ul> <li>(eg.)</li> <li>30</li> <li>Boom Angle (deg.)</li> <li>79.9</li> <li>78.3</li> <li>76.8</li> <li>75.3</li> <li>73.8</li> <li>73.8</li> <li>73.8</li> <li>73.8</li> <li>73.8</li> <li>70.6</li> <li>69.1</li> <li>65.7</li> <li>65.7</li> <li>64.1</li> <li>62.4</li> <li>60.7</li> </ul>	Pated Load (lbs) 9,060* 8,700* 8,420* 8,130* 7,890* 7,620* 7,400* 7,400* 7,010* 6,830* 6,650* 6,500* 6,500* 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	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>f(t)</i> <i>basiling f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <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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  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 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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> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>f(t)</i> <i>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 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0 115.0 120.0 125.0 130.0 135.0	(10) Ecom Angle (deg.) 80.0 78.5 75.3 75.5 65.6 65.6 65.6 75.3 75.4 55.6 75.4 55.7 75.4 75.4 75.5 75.4 75.5 75.4 75.5 75.4 75.5 75.4 75.5 75.4 75.5 75.4 75.5 75.4 75.5 75.4 75.5 75.4 75.5 75.4 75.5 75.4 75.5 75.4 75.	40 f 2 set An 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 19,420 17,480 19,420 13,310 12,190 11,240 10,380 9,610 8,860 8,840 7,670 7,140 6,630	60.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0 120.0 125.0	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 55.0 60.0 65.0 75.0 80.0 85.0 90.0 90.0 90.0 95.0 100.0 110.0 115.0 120.0 135.0 135.0 140.0	(deg.) 79.6 78.1 76.6 78.1 75.1 75.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 55.7 53.9 55.0	50 1 Set Ar. Pated Load (lbs) 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 9,010 8,370 9,010 8,370 7,780 7,250 6,740 6,260	ft         Jib           gle         (d           agle         (d           adius         (ft)           65.0         70.0           75.0         80.0           85.0         90.0           90.0         95.0           105.0         110.0           120.0         122.0           130.0         130.0	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 61.2 59.3 57.5	Pated Load (lbs) 11,330* 10,930* 10,530* 10,200* 9,590* 9,590* 9,300* 9,590* 8,810* 8,590* 8,390* 8,390* 8,200* 8,200* 8,200* 8,200*	Load Radius (ft) 55.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 110.0 115.0 130.0 135.0 135.0 140.0 145.0	(deg.) Poom Angle (deg.) 79.1 77.7 76.3 74.9 70.5 69.0 67.4 65.9 61.2 59.6 61.2 59.6 54.6 55.8 51.0	60 0 5 set Ar 2 set Ar 18,000* 18,000* 18,000* 16,040* 15,160* 14,350* 13,620 12,450 11,500 10,640 9,850 9,850 9,100 8,460 7,870 6,830 6,340 5,930	ft Jlb           ggle (a           Radius           Radius           (ft)           70.0           75.0           80.0           85.0           90.0           95.0           100.0           115.0           125.0           130.0           135.0           144.0	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	Pated 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*
Load Radius (ft) 45.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 125.0 130.0 135.0 140.0	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 8,090 7,510 6,980 6,500 6,010*	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 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0 110.0 115.0 125.0 130.0 135.0 140.0	(deg.) 80.0 76.8 75.3 75.3 77.1 70.5 68.8 67.2 65.6 63.8 67.2 65.6 63.8 62.1 60.3 58.6 52.9 54.8 52.9 51.0 49.0 49.0 46.7	40 f 2 set An 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 19,420 17,480 19,420 13,310 12,190 11,240 10,380 9,610 8,860 7,670 7,140 6,630 6,170	60.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0 120.0 125.0	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 55.0 60.0 65.0 75.0 80.0 85.0 90.0 90.0 95.0 100.0 110.0 115.0 120.0 135.0 135.0 145.0	(deg.) 79.6 78.1 76.6 78.1 76.7 71.7 72.1 70.5 69.0 67.5 69.0 67.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 55.7 53.9 55.0 50.0 48.1	50 1 Set Ar. Pated Load (lbs) 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 7,780 7,250 6,740 6,260 5,840	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) 55.0.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 105.0 110.0 125.0 130.0 135.0 140.0 145.0 145.0	(deg.) 79.1 77.7 76.3 74.9 70.5 69.0 67.4 65.9 61.2 59.6 54.6 58.0 55.3 54.6 52.8 51.0 49.2	60 0 5 set Ar 2 set Ar 18,000* 18,000* 18,000* 16,040* 15,160* 14,350* 13,620 12,450 11,500 10,640 9,850 9,850 9,100 8,460 7,870 6,830 6,340 5,930 5,530	ft Jlb           rgle (a           Load           Radius           (ft)           70.0           75.0           80.0           85.0           90.0           95.0           105.0           110.0           125.0           135.0           140.0	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	Pated Load (lbs)           9,060*           8,700*           8,420*           8,130*           7,890*           7,620*           7,400*           7,200*           6,830*           6,500*           6,370*           6,210*           6,080*
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	<b>15</b> ( <b>10</b> <b>Boom</b> Angle (deg) <b>75.3</b> <b>73.6</b> <b>77.0</b> <b>73.6</b> <b>77.0</b> <b>70.3</b> <b>66.5</b> <b>66.8</b> <b>65.1</b> <b>63.3</b> <b>65.1</b> <b>63.3</b> <b>63.3</b> <b>63.1</b> <b>63.3</b> <b>63.1</b> <b>63.3</b> <b>63.1</b> <b>63.3</b> <b>63.1</b> <b>63.3</b> <b>63.1</b> <b>63.3</b> <b>63.1</b> <b>63.3</b> <b>63.1</b> <b>63.3</b> <b>63.1</b> <b>63.3</b> <b>63.1</b> <b>63.3</b> <b>63.1</b> <b>63.3</b> <b>63.1</b> <b>63.3</b> <b>63.1</b> <b>63.3</b> <b>63.1</b> <b>63.3</b> <b>63.1</b> <b>64.5</b> <b>53.7</b> <b>53.7</b> <b>51.7</b> <b>53.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> <b>51.7</b> 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Boom Angle 80.0 78.5 78.5 78.7 72.1 70.5 68.8 67.2 65.6 63.8 62.1 60.3 58.6 52.9 51.0 49.0 40.0 40.0 51.	40 f 2 set An 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 19,420 17,480 19,420 13,310 12,190 11,240 10,380 9,610 8,860 8,840 7,670 7,140 6,630	60.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0 120.0 125.0	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 55.0 60.0 65.0 75.0 80.0 85.0 90.0 90.0 90.0 95.0 100.0 110.0 115.0 120.0 135.0 135.0 140.0	(deg.) 79.6 78.1 76.6 78.1 75.1 75.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 55.7 53.9 55.0	50 1 Set Ar. Pated Load (lbs) 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 9,010 8,370 9,010 8,370 7,780 7,250 6,740 6,260	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 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 110.0 115.0 130.0 135.0 135.0 140.0 145.0	(deg.) Poom Angle (deg.) 79.1 77.7 76.3 74.9 70.5 69.0 67.4 65.9 61.2 59.6 61.2 59.6 54.6 55.8 51.0	60 0 5 set Ar 2 set Ar 18,000* 18,000* 18,000* 16,040* 15,160* 14,350* 13,620 12,450 11,500 10,640 9,850 9,850 9,100 8,460 7,870 6,830 6,340 5,930	ft Jlb           ggle (a           Radius           Radius           (ft)           70.0           75.0           80.0           85.0           90.0           95.0           100.0           105.0           110.0           125.0           130.0           135.0           140.0	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	Pated 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*
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 <i>it Jib</i> <i>gle (d</i> <i>Padius</i> <i>f(t)</i> <i>b</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</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 (ti) 45.0 55.0 60.0 65.0 70.0 75.0 80.0 80.0 90.0 90.0 90.0 90.0 105.0 115.0 125.0 130.0 135.0 140.0 145.0 155.0	(deg.) 80.0 78.5 76.8 75.3 73.7 72.1 70.5 65.6 63.8 67.2 65.6 63.8 67.2 65.6 63.8 62.1 60.3 58.6 52.9 51.0 49.0 49.0 49.7 44.6 42.3 39.9	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 11,240 10,380 9,610 8,860 8,240 7,670 7,140 6,6170 5,750 5,220* 4,690*	60.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0 120.0 125.0	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 55.0 65.0 65.0 65.0 75.0 65.0 75.0 80.0 75.0 80.0 90.0 90.0 90.0 95.0 105.0 110.0 115.0 130.0 135.0 145.0 155.0 155.0 155.0 155.0 155.0 155.0 155.0 125.	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Load Radius (ft) 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 105.0 100.0 105.0 110.0 125.0 130.0 135.0 140.0 145.0	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 11,990 11,040 10,200 9,430 8,700 8,090 7,510 6,980 6,500 6,510* 5,420* 4,820*	m <i>it Jib</i> <i>gle (d</i> <i>Padius</i> <i>f(t)</i> <i>b</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> <i>coal</i> 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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 <b>55.0</b> 60.0 <b>65.0</b> 7 <b>5.0</b> 80.0 <b>75.0</b> 80.0 <b>90.0</b> 90.0 <b>95.0</b> 100.0 <b>105.0</b> 110.0 <b>115.0</b> 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 51.2 54.6 51.2 54.6 51.2 54.6 51.2 54.6 51.2 54.6 51.2 54.6 51.2 54.6 51.2 54.6 51.2 54.6 51.2 54.6 51.2 54.6 54.4 55.6 54.4 55.6 54.4 55.6 54.4 55.6 54.4 55.6 54.4 55.6 54.4 55.6 54.4 55.6 55.6	60 i Set Ar Pated Load (lbs) 18,000* 18,000* 18,000* 17,120* 16,040* 15,160* 14,350* 13,620 12,450 11,500 10,640 9,850 9,100 8,460 7,870 7,340 6,340 5,530 5,150* 4,670*	ft Jlb           ggle (a           Radius           Radius           (ft)           70.0           75.0           80.0           85.0           90.0           95.0           100.0           105.0           110.0           125.0           130.0           135.0           140.0	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	Pated Load (lbs) 9,060* 8,700* 8,420* 8,130* 7,890* 7,620* 7,400* 7,200* 7,200* 7,200* 7,200* 7,200* 7,200* 6,850* 6,500* 6,500* 6,210* 6,210* 6,210* 6,210* 6,210* 6,210*
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 <b>Ji</b> b						it <b>J</b> 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 <b>50.0</b>	79.2 <b>77.7</b>	24,000* <b>24,000</b> *				50.0 55.0	79.0 77.5	24,000* 24,000*				55.0 60.0	78.7 <b>77.3</b>	20,000* 20,000*				55.0 60.0	79.6 <b>78.3</b>	18,000* <b>18,000</b> *			
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	<b>9,140</b> *
65.0 <b>70.0</b>	73.0 <b>71.4</b>	21,180 <b>19,040</b>	65.0 <b>70.0</b>	75.6 <b>74.0</b>	20,500* <b>19,730</b>	70.0 <b>75.0</b>	73.1 71.5	19,310 <b>17,370</b>	70.0 75.0	76.4 <b>74.8</b>	14,100* 13,640*	75.0 <b>80.0</b>	72.9 <b>71.5</b>	17,570 <b>15,980</b>	75.0 80.0	77.0 <b>75.5</b>	10,670* <b>10,330</b> *	75.0 <b>80.0</b>	74.1 <b>72.8</b>	16,570* <b>15,670</b> *	75.0 <b>80.0</b>	78.9 <b>77.5</b>	8,810* <b>8,530</b> *
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 <b>64.8</b>	14,190 <b>12,980</b>	85.0 90.0	69.0 67.3	14,680 <b>13,440</b>	90.0 <b>95.0</b>	66.9 65.2	13,200 <b>12,050</b>	90.0 95.0	70.1 68.4	12,500* 12,140*	95.0 <b>100.0</b>	67.0 <b>65.5</b>	12,210 <b>11,260</b>	95.0 <b>100.0</b>	70.9 <b>69.3</b>	9,450* <b>9,210</b> *	95.0 <b>100.0</b>	68.5 <b>67.1</b>	12,340 <b>11,370</b>	95.0 <b>100.0</b>	73.1 <b>71.6</b>	7,760* <b>7,530</b> *
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 <b>57.9</b>	10,070 <b>9,300</b>	105.0 110.0	62.0 60.2	10,400 <b>9,610</b>	110.0 <b>115.0</b>	60.4 58.6	9,470 <b>8,730</b>	110.0 115.0	63.4 61.5	9,920 <b>9,120</b>	115.0 <b>120.0</b>	60.8 <b>59.2</b>	8,860 <b>8,220</b>	115.0 120.0	64.5 <b>62.8</b>	8,550* <b>8,350</b> *	115.0 <b>120.0</b>	62.7 <b>61.2</b>	8,970 <b>8,310</b>	115.0 120.0	67.0 <b>65.5</b>	6,940* <b>6,790</b> *
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 <b>50.2</b>	7,360 <b>6,830</b>	125.0 130.0	54.4 <b>52.4</b>	7,580 <b>7,030</b>	130.0 <b>135.0</b>	53.3 <b>51.5</b>	6,960 <b>6,480</b>	130.0 135.0	56.1 <b>54.2</b>	7,270 <b>6,760</b>	135.0 <b>140.0</b>	54.2 <b>52.4</b>	6,590 <b>6,100</b>	135.0 <b>140.0</b>	57.6 <b>55.7</b>	6,980 <b>6,450</b>	135.0 <b>140.0</b>	56.5 <b>54.8</b>	6,670 <b>6,190</b>	135.0 <b>140.0</b>	60.7 <b>58.9</b>	6,340* <b>6,210</b> *
130.0	<b>50.2</b> 48.2	6,320	130.0	JZ.4	1,030	140.0	<b>31.5</b> 49.5	<b>6,400</b> 5,990	140.0	<b>54.2</b> 52.1	6,260	140.0	<b>52.4</b>	5,680	140.0	53.8	<b>6,430</b> 5,990	140.0	<b>53.2</b>	<b>6,190</b> 5,770	140.0	<b>50.9</b> 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 <b>41.6</b>	5,310* <b>4,760</b> *				150.0 <b>155.0</b>	45.5 <b>43.4</b>	5,090*				155.0 <b>160.0</b>	46.8 <b>44.7</b>	4,800*				155.0 <b>160.0</b>	49.7 <b>47.8</b>	4,960* <b>4,490</b> *	155.0 160.0	53.5 <b>51.5</b>	5,350
155.0	<b>41.0</b> 39.2	<b>4,700</b> 4,230*				160.0	41.1	<b>4,580</b> * 4,050*				165.0	44.7	<b>4,320*</b> 3,880*				165.0	<b>47.0</b> 46.0	<b>4,490</b> 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 <b>Ji</b> b	lea.)					t Jib ale (d	lea.)			(		ft <b>Ji</b> b ale (d	ea.)			(		ft <b>Ji</b> b ale (d	ea.)	
			t <b>Ji</b> 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 <b>Ji</b> 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 <b>Ji</b> 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 <b>50.0</b>	( 10 Boom Angle (deg.) 79.8 <b>78.3</b>	30 f Set Ar Rated Load (lbs) 24,000* 24,000*	t <b>Jib</b> gle (d Load Radius (ft)	30 Boom Angle (deg.)	Rated Load (lbs)	Radius (ft) 50.0 55.0	10 Boom Angle (deg.) 79.6 <b>78.1</b>	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 <b>77.9</b>	2 set An Rated Load (lbs) 20,000* <b>20,000</b> *	gle (d Load Radius	30 Boom Angle	Load	Radius (ft) 55.0 60.0	10 Boom Angle (deg.) 80.0 <b>78.8</b>	Set Ar           Rated           Load           (lbs)           18,000*           18,000*	igle (d Load Radius	30 Boom Angle	Load
Radius (ft) 45.0 <b>50.0</b> 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 <b>55.0</b> 60.0	10 Boom Angle (deg.) 79.6 <b>78.1</b> 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 <b>77.9</b> 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 <b>78.8</b> 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 <b>50.0</b>	( 10 Boom Angle (deg.) 79.8 <b>78.3</b>	30 f Set Ar Rated Load (lbs) 24,000* 24,000*	t <b>Jib</b> 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 <b>78.1</b> 76.7 <b>75.3</b>	Rated Load (lbs)           24,000*           23,800           21,250           19,090	Ingle (d	30 Boom Angle (deg.)	Pated Load (Ibs) 15,290* <b>14,770</b> * 14,300*	Radius (ft) 55.0 60.0	10 Boom Angle (deg.) 79.2 <b>77.9</b>	2 set An Rated Load (lbs) 20,000* <b>20,000</b> *	gle (d Load Radius	30 Boom Angle	Load	Radius (ft) 55.0 60.0	10 Boom Angle (deg.) 80.0 <b>78.8</b>	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	<b>Padius</b> 50.0 <b>55.0</b> 60.0 <b>65.0</b> 70.0 <b>75.0</b>	10 Boom Angle (deg.) 79.6 <b>78.1</b> 76.7 <b>75.3</b> 73.9 <b>72.4</b>	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 <b>78.6</b> 77.1 <b>75.6</b>	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	<b>gle (d</b> Load Radius (ft) <b>70.0</b> 75.0 <b>80.0</b>	30 Boom Angle (deg.) 79.1 77.6 76.2	Load (lbs) 11,170* 10,800* 10,490*	<b>Padius</b> (ft) 55.0 <b>60.0</b> 65.0 <b>70.0</b> 75.0 <b>80.0</b>	10 Boom Angle (deg.) 80.0 <b>78.8</b> 77.5 <b>76.2</b> 74.9 <b>73.6</b>	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 <b>78.1</b>	Load (Ibs) 8,900* <b>8,610</b> *
Radius (ft)           45.0 <b>50.0</b> 55.0 <b>60.0</b> 65.0 <b>70.0</b> 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 <b>78.1</b> 76.7 <b>75.3</b> 73.9 <b>72.4</b> 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 <b>78.6</b> 77.1 <b>75.6</b> 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	<b>gle (d</b> Load Radius (ft) <b>70.0</b> 75.0 <b>80.0</b> 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 <b>78.8</b> 77.5 <b>76.2</b> 74.9 <b>73.6</b> 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	<b>gle (d.</b> Load Radius (ft) 75.0 <b>80.0</b> 85.0	30 Boom Angle (deg.) 79.4 78.1 76.7	Load (lbs) 8,900* 8,610* 8,350*
Padius (ft)           45.0 <b>50.0</b> 55.0 <b>60.0</b> 65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0	( 10 Boom Angle (deg.) 79.8 <b>78.3</b> 76.8 <b>75.3</b> 73.8 <b>75.4</b> 73.8 <b>75.4</b> 73.8 <b>75.4</b> <b>75.3</b> 73.8 <b>75.4</b> <b>75.4</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.7</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> <b>75.6</b> 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Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 <b>69.6</b> 68.2	D         set Ar           Pated Load (lbs)	<b>Told</b> <b>Construction</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> <b>Told</b> 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  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 <b>50.0</b> 55.0 <b>60.0</b> 65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b>	(10) Boom Angle (deg.) 79.8 <b>78.3</b> 76.8 <b>75.3</b> 73.8 <b>75.3</b> 73.8 <b>75.4</b> 70.8 <b>69.3</b> 67.7 <b>66.2</b>	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 <b>78.1</b> 76.7 <b>75.3</b> 73.9 <b>72.4</b> 71.0 <b>69.5</b> 68.1 <b>66.5</b>	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 <b>78.6</b> 77.1 <b>75.6</b> 74.1 <b>75.6</b> 74.1 <b>72.6</b> 71.1 <b>69.5</b>	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 <b>78.8</b> 77.5 <b>76.2</b> 74.9 <b>73.6</b> 72.3 <b>71.0</b> 69.5 <b>68.2</b>	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 <b>78.1</b> 76.7 <b>75.4</b> 73.9 <b>72.5</b>	Load (lbs) 8,900* 8,610* 8,350* 8,110* 7,870* 7,640*
Padius (ft)           45.0 <b>50.0</b> 55.0 <b>60.0</b> 65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0	(10 Boom Angle (deg.) 79.8 <b>78.3</b> 76.8 <b>75.3</b> 73.8 <b>72.4</b> 70.8 <b>69.3</b> 67.7 <b>66.2</b> 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 <b>78.1</b> 76.7 <b>75.3</b> 73.9 <b>72.4</b> 71.0 <b>69.5</b> 68.1 <b>66.5</b> 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 <b>78.6</b> 77.1 <b>75.6</b> 74.1 <b>75.6</b> 74.1 <b>72.6</b> 71.1 <b>69.5</b> 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 <b>78.8</b> 77.5 <b>76.2</b> 74.9 <b>73.6</b> 72.3 <b>71.0</b> 69.5 <b>68.2</b> 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 <b>50.0</b> 55.0 <b>60.0</b> 65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b>	(10) Boom Angle (deg.) 79.8 <b>78.3</b> 76.8 <b>75.3</b> 73.8 <b>75.3</b> 73.8 <b>75.4</b> 70.8 <b>69.3</b> 67.7 <b>66.2</b>	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 <b>78.1</b> 76.7 <b>75.3</b> 73.9 <b>72.4</b> 71.0 <b>69.5</b> 68.1 <b>69.5</b> 68.1 <b>66.5</b> 65.0 <b>63.5</b> 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 <b>78.6</b> 77.1 <b>75.6</b> 74.1 <b>75.6</b> 74.1 <b>72.6</b> 71.1 <b>69.5</b>	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 <b>78.8</b> 77.5 <b>76.2</b> 74.9 <b>73.6</b> 72.3 <b>71.0</b> 69.5 <b>68.2</b>	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 <b>78.1</b> 76.7 <b>75.4</b> 73.9 <b>72.5</b>	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 <b>50.0</b> 55.0 <b>60.0</b> 65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b> 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 <b>78.1</b> 76.7 <b>75.3</b> 73.9 <b>72.4</b> 71.0 <b>69.5</b> 68.1 <b>66.5</b> 65.0 <b>63.5</b> 61.9 <b>60.3</b>	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 <b>78.6</b> 77.1 <b>75.6</b> 74.1 <b>75.6</b> 74.1 <b>72.6</b> 71.1 <b>69.5</b> 68.0 <b>66.4</b> 64.8 <b>63.1</b>	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 <b>78.8</b> 77.5 <b>76.2</b> 74.9 <b>73.6</b> 72.3 <b>71.0</b> 69.5 <b>68.2</b> 66.8 <b>65.5</b> 64.0 <b>62.6</b>	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 <b>78.1</b> 76.7 <b>75.4</b> 73.9 <b>72.5</b> 71.1 <b>69.7</b> 68.2 <b>66.7</b>	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 <b>50.0 50.0 60.0</b> 65.0 <b>70.0 70.0 70.0 80.0 80.0 90.0</b> 95.0 <b>100.0</b> 115.0	(10) Boom Angle (deg.) 79.8 <b>78.3</b> 76.8 <b>75.3</b> 73.8 <b>72.4</b> 70.8 <b>69.3</b> 67.7 <b>66.2</b> 64.5 <b>62.9</b> 61.3 <b>59.7</b> 57.9	30 1 30 set Ar Pated Load (lbs) 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	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 <b>78.6</b> 77.1 <b>75.6</b> 74.1 <b>75.6</b> 74.1 <b>75.6</b> 74.1 <b>75.6</b> 68.0 <b>66.4</b> <b>64.8</b> <b>63.1</b> 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 <b>78.8</b> 77.5 <b>76.2</b> 74.9 <b>73.6</b> 71.0 69.5 <b>68.2</b> 66.8 <b>65.5</b> 64.0 <b>62.6</b> 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 <b>78.1</b> 76.7 <b>75.4</b> 73.9 <b>72.5</b> 71.1 <b>69.7</b> 68.2 <b>66.7</b> 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 <b>50.0</b> 55.0 <b>60.0</b> 65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b> 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 <b>78.6</b> 77.1 <b>75.6</b> 74.1 <b>75.6</b> 74.1 <b>72.6</b> 71.1 <b>69.5</b> 68.0 <b>66.4</b> 64.8 <b>63.1</b>	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 <b>78.8</b> 77.5 <b>76.2</b> 74.9 <b>73.6</b> 71.0 69.5 <b>68.2</b> 66.8 <b>65.5</b> 64.0 <b>62.6</b> 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 <b>78.1</b> 76.7 <b>75.4</b> 73.9 <b>72.5</b> 71.1 <b>69.7</b> 68.2 <b>66.7</b>	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 20	D         set Ar           Pated Load (lbs)         Pated Load (lbs)           24,000*         Pated (lbs)           24,000*         Pated (lbs)           24,000*         Pated (lbs)           23,800         Pated (lbs)           24,000*         Pated (lbs)           19,090         Pated (lbs)           17,150         15,560           14,170         12,960           11,810         10,860           10,860         9,230           8,480         7,840           7,270         6,720           6,230         Pated	gle (d Load Radius (t) 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 105.0 100.0 105.0 110.0 115.0 125.0 130.0 135.0	300 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 71.1 69.5 68.0 66.4 64.8 63.1 61.5 59.8 58.1 56.3	Pated Load (lbs)           15,290*           14,770*           14,300*           13,840*           13,420*           13,050*           12,690*           12,660*           11,440           10,530           9,720           8,920           8,240           7,640           7,070           6,540	Padius           55.0         60.0         65.0         65.0         70.0         75.0         80.0         80.0         80.0         80.0         80.0         80.0         80.0         100.0         105.0         100.0         105.0         115.0         125.0         125.0         135.0         135.0         135.0         140.0	10 Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 63.9 62.3 63.9 62.3 63.9 62.3 63.9 59.3 57.7 56.1 54.4	D         set Ar           Pated Load (lbs)         Pated Load (lbs)           20,000*         20,000*           20,000*         19,310           17,350         15,760           14,370         13,130           11,020         10,160           9,390         8,610           7,980         7,400           6,850         6,340           5,860         5,860	gle (d Load Padius (t) 70.0 75.0 80.0 80.0 90.0 90.0 90.0 90.0 100.0 110.0 110.0 115.0 125.0 130.0 135.0 140.0	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	10 Boom Angle (deg.) 80.0 <b>78.8</b> 77.5 <b>76.2</b> 74.9 <b>73.6</b> 71.0 69.5 <b>68.2</b> 66.8 <b>65.5</b> 64.0 <b>65.5</b> 64.0 <b>65.5</b> 64.0 <b>65.5</b> 64.0 <b>65.5</b> 64.0 <b>65.5</b> 65.5 <b>65.5</b> 64.0 <b>59.7</b> 58.2 <b>56.6</b>	D         set Ar           Pated Load (lbs)         Load (lbs)           18,000*         18,000*           18,000*         17,080*           17,080*         15,890           14,500         13,270           12,100         11,150           10,270         9,470           9,470         8,730           8,090         7,490           6,940         6,450           5,950	gle (d/ Radius Radius (it) 75.0 80.0 85.0 90.0 95.0 100.0 110.0 110.0 110.0 125.0 130.0 135.0 140.0	30 Boom Angle (deg) 79.4 <b>78.1</b> 76.7 <b>75.4</b> 73.9 <b>72.5</b> 71.1 <b>69.7</b> 68.2 <b>66.7</b> 65.2 <b>63.7</b> 62.2 <b>60.5</b>	Load (lbs) 8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,250* 7,050* 6,900* 6,740* 6,900* 6,590* 6,450* 6,300*
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           115.0           125.0           130.0           135.0	(10) Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 73.8 73.8 73.8 73.8 73.8 73.8 73	30 1 30 set Ar Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 23,500 20,940 18,820 16,880 15,320 13,950 12,740 11,610 9,810 9,060 8,310 7,670 7,090 6,560 6,080	t Jb gle (d Radius (t) 55.0 60.0 65.0 75.0 85.0 85.0 90.0 95.0 100.0 105.0 105.0 115.0 115.0 125.0	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           14,480           12,050           11,080           10,200           9,390           8,610           7,980           7,360	Pacifius           50.0           55.0           60.0           65.0           70.0           77.0           80.0           90.0           95.0           100.0           110.0           120.0           130.0           135.0           140.0	10 2007 20	D         set Ar           Rated Load (lbs)         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         9,230           8,480         7,840           7,270         6,720           6,230         5,750	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 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	Padius           7600           6500           6600           6500           7000           7500           8500           8500           9000           9000           9000           10500           11500           12500           12500           13500           13500           14000           14500	10 Ecom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 60.8 63.9 60.8 57.7 56.1 54.4 52.8	D         set Ar           Pated Load (lbs)         Pated Load (lbs)           20,000*         20,000*           20,000*         19,310           17,350         15,760           14,370         13,130           11,990         11,020           10,160         9,380           8,610         7,980           7,400         6,850           6,340         5,860           5,440         5,440	gle (d Load Padius (t) 70.0 75.0 80.0 95.0 100.0 95.0 100.0 110.0 110.0 110.0 110.0 125.0 130.0 135.0 135.0 140.0 145.0	30 Boom Angle (deg.) 79.1 77.6 76.2 74.8 73.4 71.9 70.4 65.8 64.3 62.7 61.1 59.5 57.7 56.0	Load (lbs) 11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,360* 8,900* 8,680* 8,680* 8,680* 8,680* 6,760 6,760 6,760 6,260 5,790	Pacifius           55.0         60.0         65.0         65.0         75.0         80.0         80.0         80.0         80.0         80.0         80.0         100.0         100.0         105.0         100.0         1110.0         1110.0         125.0         125.0         135.0         135.0         135.0         140.0         145.0 <td>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 59.7 58.2 56.6 55.1</td> <td>D         set Ar           Pated Load (lbs)         Pated Load (lbs)           18,000*         18,000*           18,000*         15,890           14,500         13,270           12,100         11,150           10,270         9,470           8,730         8,090           7,490         6,940           6,450         5,950           5,530        </td> <td>gle (d/ Load Radius (it) 75.0 80.0 85.0 90.0 95.0 100.0 110.0 110.0 110.0 110.0 125.0 130.0 135.0 140.0 145.0</td> <td>30 Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 66.7 65.2 66.7 65.2 66.7 62.2 60.5 58.9</td> <td>Load (lbs) 8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,450* 7,450* 7,450* 6,900* 6,740* 6,590* 6,450* 6,450* 6,500* 6,500*</td>	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 59.7 58.2 56.6 55.1	D         set Ar           Pated Load (lbs)         Pated Load (lbs)           18,000*         18,000*           18,000*         15,890           14,500         13,270           12,100         11,150           10,270         9,470           8,730         8,090           7,490         6,940           6,450         5,950           5,530	gle (d/ Load Radius (it) 75.0 80.0 85.0 90.0 95.0 100.0 110.0 110.0 110.0 110.0 125.0 130.0 135.0 140.0 145.0	30 Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 66.7 65.2 66.7 65.2 66.7 62.2 60.5 58.9	Load (lbs) 8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,450* 7,450* 7,450* 6,900* 6,740* 6,590* 6,450* 6,450* 6,500* 6,500*
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           110.0           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 80.0 85.0 90.0 90.0 90.0 91.0 100.0 115.0 115.0 125.0 130.0	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 20	D         set Ar           Pated Load (lbs)         Pated Load (lbs)           24,000*         Pated (lbs)           24,000*         Pated (lbs)           24,000*         Pated (lbs)           23,800         Pated (lbs)           24,000*         Pated (lbs)           19,090         Pated (lbs)           17,150         15,560           14,170         12,960           11,810         10,860           10,860         9,230           8,480         7,840           7,270         6,720           6,230         Pated	gle (d Load Radius (t) 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 105.0 100.0 105.0 110.0 115.0 125.0 130.0 135.0	300 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 71.1 69.5 68.0 66.4 64.8 63.1 61.5 59.8 58.1 56.3	Pated Load (lbs)           15,290*           14,770*           14,300*           13,840*           13,420*           13,050*           12,690*           12,660*           11,440           10,530           9,720           8,920           8,240           7,640           7,070           6,540	Padius           55.0         60.0         65.0         65.0         70.0         75.0         80.0         80.0         80.0         80.0         80.0         80.0         80.0         100.0         105.0         100.0         105.0         115.0         125.0         125.0         135.0         135.0         135.0         140.0	10 Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 63.9 62.3 63.9 62.3 63.9 62.3 63.9 59.3 57.7 56.1 54.4	D         set Ar           Pated Load (lbs)         Pated Load (lbs)           20,000*         20,000*           20,000*         19,310           17,350         15,760           14,370         13,130           11,020         10,160           9,390         8,610           7,980         7,400           6,850         6,340           5,860         5,860	gle (d Load Padius (t) 70.0 75.0 80.0 80.0 90.0 90.0 90.0 90.0 100.0 110.0 110.0 115.0 125.0 130.0 135.0 140.0	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	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 59.7 58.2 56.6 55.1	D         set Ar           Pated Load (lbs)         Load (lbs)           18,000*         18,000*           18,000*         17,080*           17,080*         15,890           14,500         13,270           12,100         11,150           10,270         9,470           9,470         8,730           8,090         7,490           6,940         6,450           5,950	gle (d/ Radius Radius (it) 75.0 80.0 85.0 90.0 95.0 100.0 110.0 110.0 110.0 125.0 130.0 135.0 140.0	30 Boom Angle (deg) 79.4 <b>78.1</b> 76.7 <b>75.4</b> 73.9 <b>72.5</b> 71.1 <b>69.7</b> 68.2 <b>66.7</b> 65.2 <b>63.7</b> 62.2 <b>60.5</b>	Load (lbs) 8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,250* 7,050* 6,900* 6,740* 6,900* 6,590* 6,450* 6,300*
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* 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 1,040* 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	t Jb gle (d Radius (t) 55.0 60.0 65.0 70.0 75.0 80.0 80.0 80.0 85.0 90.0 90.0 90.0 91.0 100.0 115.0 115.0 125.0 130.0	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 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 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         125.0         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         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	10 2007 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	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 (bs) 8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,450* 7,250* 7,250* 6,740* 6,590* 6,450* 6,300* 5,970 5,550 5,150 4,670*
Padius (ft)           45.0           50.0           55.0           60.0           65.0           70.0           75.0           80.0           85.0           90.0           95.0           105.0           105.0           110.0           125.0           130.0           145.0           155.0	(10) Boom Angle (deg.) 79.8 76.8 75.3 73.8 75.3 73.8 73.8 73.8 73.8 69.3 59.7 50.9 50.2 54.4 50.8 84.8 44.8 44.8 44.8 44.8 42.7	30 1 2 set Ar. Pated Load (bs) 24,000* 24,	t Jb gle (d Radius (t) 55.0 60.0 65.0 70.0 75.0 80.0 80.0 80.0 85.0 90.0 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           (II)           50.0           55.0           60.0           60.0           60.0           70.0           75.0           80.0           85.0           90.0           100.0           140.0           150.0           160.0	10 2007 2016 2017 20	Set Ar.           Pared 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*           3,810*	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 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         60.0         65.0         65.0         65.0         65.0         70.0         75.0         80.0         80.0         80.0         90.0         95.0         105.0         105.0         115.0         115.0         125.00         135.00         135.00         140.00         145.00         155.00         155.00         160.00         155.00         160.00         165.00	10 Poom Angle (deg.) 77.9 77.9 75.2 75.7 75.5 75.7 75.2 75.2 75.4 75.4 75.2 75.4	D         set Ar           Pared Load (lbs)         20,000*           20,000*         20,000*           20,000*         19,310           17,350         14,370           13,130         11,990           11,020         10,160           9,390         8,610           7,980         7,400           6,850         6,340           5,860         5,440           4,490*         4,490*           4,030*         3,610*	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 80.0 95.0 105.0 115.0 115.0 115.0 135.0 140.0 155.0 145.0 155.0 160.0 165.0	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           6,940           5,550           5,530           5,070*           4,620*           4,160*           3,760*	gle (d) Load Radius (f) 75.0 80.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 125.0 140.0 145.0 145.0 155.0	30 Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 66.7 66.7 66.7 66.2 60.5 58.9 57.3 55.6	Load (lbs) 8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,450* 7,250* 7,250* 6,740* 6,590* 6,740* 6,590* 6,450* 6,300* 5,970 5,970 5,970
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* 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 1,040* 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	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 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 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         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 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 <b>Ji</b> b					40 f	t <b>J</b> ib					50 1	ft <b>J</b> ib					60 1	t <b>J</b> 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*			
<b>55.0</b> 60.0	<b>77.4</b> 76.0	<b>21,750*</b> 21,360*	<b>55.0</b> 60.0	<b>79.9</b> 78.5	<b>21,000*</b> 20,870*	<b>60.0</b> 65.0	<b>77.3</b> 76.0	<b>21,270*</b> 20,870*	65.0	79.1	14,940*	<b>60.0</b> 65.0	<b>78.4</b>	<b>20,000</b> * 20,000*				<b>65.0</b> 70.0	<b>78.0</b> 76.8	<b>18,000</b> * 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*	<b>70.0</b>	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*
<b>75.0</b> 80.0	<b>71.7</b> 70.3	<b>16,600</b> 15,030	<b>75.0</b> 80.0	<b>74.1</b> 72.6	<b>17,300</b> 15,670	<b>80.0</b> 85.0	<b>71.9</b> 70.5	<b>15,290</b> 13,910	<b>80.0</b> 85.0	<b>74.9</b> 73.5	<b>13,620*</b> 13,240*	<b>80.0</b> 85.0	<b>73.2</b> 71.9	<b>15,490</b> 14,100	<b>80.0</b> 85.0	<b>76.9</b> 75.5	<b>10,600*</b> 10,310*	<b>85.0</b> 90.0	<b>73.0</b> 71.8	<b>14,240</b> 13,020	<b>85.0</b> 90.0	<b>77.3</b> 76.0	<b>8,460</b> * 8,200*
85.0	68.8	13,660	85.0	71.2	14,240	90.0	<b>69.1</b>	12,690	90.0	72.1	12,890*	90.0	70.6	12,890	90.0	74.2	10,030*	95.0	<b>70.4</b>	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*
<b>95.0</b> 100.0	<b>65.8</b> 64.3	<b>11,330</b> 10,380	<b>95.0</b> 100.0	<b>68.1</b> 66.5	<b>11,810</b> 10,820	<b>100.0</b> 105.0	<b>66.2</b> 64.8	<b>10,600</b> 9,740	<b>100.0</b> 105.0	<b>69.1</b> 67.6	<b>11,190</b> 10,290	<b>100.0</b> 105.0	<b>67.8</b> 66.5	<b>10,750</b> 9,890	100.0	<b>71.4</b> 70.0	<b>9,500</b> * 9,280*	<b>105.0</b> 110.0	<b>67.9</b> 66.6	<b>10,000</b> 9,230	<b>105.0</b> 110.0	<b>72.0</b> 70.7	<b>7,530*</b> 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*
<b>115.0</b> 120.0	<b>59.6</b> 58.0	<b>8,020</b> 7,380	<b>115.0</b> 120.0	<b>61.7</b> 60.1	<b>8,370</b> 7,710	<b>120.0</b> 125.0	<b>60.3</b> 58.8	<b>7,560</b> 6,980	<b>120.0</b> 125.0	<b>63.0</b> 61.4	<b>8,000</b> 7,380	120.0 125.0	<b>62.2</b> 60.8	<b>7,710</b> 7,120	<b>120.0</b> 125.0	<b>65.6</b> 64.1	<b>8,280</b> 7,640	<b>125.0</b> 130.0	<b>62.5</b> 61.1	<b>7,230</b> 6,670	<b>125.0</b> 130.0	<b>66.4</b> 65.0	<b>6,850</b> * 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 <b>53.0</b>	6,280	130.0	56.8	6,540	135.0	55.6 <b>53.9</b>	5,950	135.0 <b>140.0</b>	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
<b>135.0</b> 140.0	<b>53.0</b> 51.2	<b>5,770</b> * 5,180*	<b>135.0</b> 140.0	<b>55.0</b> 53.1	<b>6,040</b> 5,480*	<b>140.0</b> 145.0	<b>53.9</b> 52.3	<b>5,370</b> * 4,870*	140.0	<b>56.4</b> 54.7	<b>5,770</b> 5,260*	<b>140.0</b> 145.0	<b>56.2</b> 54.7	<b>5,510*</b> 5,020*	<b>140.0</b> 145.0	<b>59.4</b> 57.8	<b>6,010</b> 5,510*	<b>145.0</b> 150.0	<b>56.8</b> 55.3	<b>5,110*</b> 4,620*	145.0 150.0	<b>60.5</b> 59.0	<b>5,700*</b> 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 <b>155.0</b>	47.6 <b>45.7</b>	4,160* <b>3,680</b> *				155.0 <b>160.0</b>	48.8 <b>46.9</b>	3,920* <b>3,460</b> *				155.0 <b>160.0</b>	51.5 <b>49.8</b>	4,100* <b>3,630</b> *	155.0 160.0	54.5 <b>52.7</b>	4,560* <b>4,070</b> *	160.0 <b>165.0</b>	52.2 <b>50.6</b>	3,760* <b>3,370</b> *	160.0 165.0	55.8 <b>54.1</b>	4,290* <b>3,880</b> *
160.0	<b>43.</b> 7	<b>3,000</b> **********************************				165.0	<b>40.9</b> 45.1	<b>3,400</b> *				165.0	<b>49.0</b> 48.1	3,240*	100.0	JZ./	4,070	105.0	0.00	3,370	170.0	<b>52.4</b>	<b>3,480</b> *
			_			_			_						<u> </u>			_					
Ree		1 V <b>P</b> 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 <b>J</b> 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 <b>78.0</b>	19,440* <b>19,020</b> *				55.0 <b>60.0</b>	79.2 <b>77.9</b>	18,950* <b>18,560</b> *				60.0 65.0	78.9 <b>77.7</b>	18,470* 18,070*				60.0 65.0	79.7 <b>78.5</b>	18,000* <b>17,960</b> *			
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 <b>75.0</b>	74.0 <b>72.6</b>	17,870* <b>16,420</b>	70.0 <b>75.0</b>	76.3 <b>74.9</b>	17,520* <b>17,150</b>	75.0 <b>80.0</b>	74.0 <b>72.7</b>	16,710 <b>15,120</b>	75.0 <b>80.0</b>	76.9 <b>75.6</b>	14,190* 13,800*	80.0 <b>85.0</b>	73.9 <b>72.7</b>	15,320 <b>13,930</b>	80.0 85.0	77.5 <b>76.2</b>	10,730* <b>10,420</b> *	80.0 <b>85.0</b>	74.9 <b>73.8</b>	15,470 <b>14,060</b>	80.0 <b>85.0</b>	79.1 <b>77.9</b>	8,790* <b>8,550*</b>
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*
<b>85.0</b> 90.0	<b>69.9</b> 68.5	<b>13,490</b> 12,270	<b>85.0</b> 90.0	<b>72.1</b> 70.7	<b>14,080</b> 12,850	<b>90.0</b> 95.0	<b>70.1</b> 68.7	<b>12,520</b> 11,370	<b>90.0</b> 95.0	<b>72.9</b> 71.5	<b>13,090</b> * 12,050	<b>95.0</b> 100.0	<b>70.1</b> 68.8	<b>11,550</b> 10,580	<b>95.0</b> 100.0	<b>73.5</b> 72.2	<b>9,870</b> * 9,630*	<b>95.0</b> 100.0	<b>71.3</b> 70.1	<b>11,680</b> 10,710	<b>95.0</b> 100.0	<b>75.3</b> 74.1	<b>8,060*</b> 7,840*
95.0	67.0	11,150	95.0	69.2	11,660	100.0	67 <b>.</b> 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 <b>105.0</b>	65.6 <b>64.1</b>	10,200 <b>9,340</b>	100.0 105.0	67.7 <b>66.3</b>	10,670 <b>9,780</b>	105.0 <b>110.0</b>	66.0 <b>64.6</b>	9,540 <b>8,770</b>	105.0 <b>110.0</b>	68.7 67.3	10,140 <b>9,320</b>	110.0 115.0	66.2 64.8	8,920 <b>8,170</b>	110.0 115.0	69.6 <b>68.1</b>	9,190* <b>8,810</b>	110.0 <b>115.0</b>	67.6 <b>66.3</b>	9,030 <b>8,260</b> *	110.0 115.0	71.5 <b>70.2</b>	7,450* <b>7,270</b> *
110.0	62.7	<b>9,540</b> 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	<b>64.3</b>	7,840	125.0	<b>62.1</b>	6,900*	125.0	65.3	7,490	125.0	63.7	6,940*	125.0	67.5	<b>6,940</b> *
120.0 125.0	59.6 <b>58.1</b>	7,200 <b>6,630</b>	120.0 125.0	61.7 <b>60.1</b>	7,530 <b>6,940</b>	125.0 130.0	60.3 <b>58.8</b>	6,790 <b>6,190</b> *	125.0 130.0	62.9 <b>61.4</b>	7,230 <b>6,650</b>	130.0 135.0	60.8 <b>59.4</b>	6,300* <b>5,750</b> *	130.0 135.0	63.9 <b>62.5</b>	6,870* <b>6,300</b> *	130.0 135.0	62.4 <b>61.1</b>	6,370* <b>5,820</b> *	130.0 135.0	66.2 <b>64.8</b>	6,790* <b>6,480</b> *
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*
<b>135.0</b> 140.0	<b>55.0</b> 53.3	<b>5,460*</b> 4,890*	<b>135.0</b> 140.0	<b>56.9</b> 55.2	<b>5,790</b> * 5,220*	<b>140.0</b> 145.0	<b>55.8</b> 54.2	<b>5,070</b> * 4,580*	140.0	<b>58.2</b> 56.6	<b>5,510</b> * 4,980*	145.0 150.0	<b>56.4</b> 55.0	<b>4,710</b> * 4,250*	145.0	<b>59.5</b> 57.9	<b>5,220</b> * 4,730*	<b>145.0</b> 150.0	<b>58.3</b> 56.9	<b>4,780*</b> 4,340*	<b>145.0</b> 150.0	<b>62.0</b> 60.5	<b>5,400</b> * 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	<b>3,900</b> *	155.0	59.1	4,470*
150.0 <b>155.0</b>	50.0 <b>48.2</b>	3,920* <b>3,460</b> *	150.0	51.8	4,210*	155.0 <b>160.0</b>	51.0 <b>49.3</b>	3,680* <b>3,210</b> *	155.0	53.4	4,030*	160.0	51.8	3,370*	160.0 165.0	54.7 <b>53.1</b>	3,830* <b>3,410</b> *	160.0 <b>165.0</b>	54.0 <b>52.6</b>	3,480* <b>3,080</b> *	160.0 <b>165.0</b>	57.5 <b>56.0</b>	4,030* <b>3,610</b> *
100.0	<b>40.</b> 2	3,400				100.0	43.3	J,Z IU							0.001	JJ.1	J,410°	103.0	J2.0	3,000	170.0	<b>56.0</b> 54.4	<b>3,010</b> " 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.

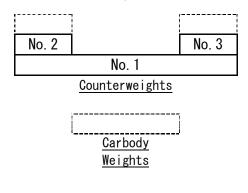
## Supplemental Data - Clamshell

- 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 <sup>°</sup> 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 *	<ul> <li>26.0</li> <li>28.0</li> <li>30.0</li> <li>32.0</li> <li>34.0</li> <li>36.0</li> <li>38.0</li> <li>40.0</li> <li>42.0</li> <li>44.0</li> <li>46.0</li> <li>48.0</li> </ul>	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 * <b>20,200</b> * 19,200 * <b>18,200</b> * <b>16,500</b> * <b>15,800</b> * <b>15,200</b> *	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 *	<b>42.0</b> 44.0	61.9 60.2	17,300 * 16,500 *	46.0 <b>48.0</b>	62.4 60.9	15,800 * 15,200 *
42.0	57.4	17,300 *	<b>46.0</b>	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 <sup>°</sup>	Load	Boom	360°
Load Radius	Boom Angle	360 <sup>°</sup> Rated Load	Load Radius	Boom Angle	360 <sup>°</sup> Rated Load	Load Radius	Boom Angle	360 <sup>°</sup> Rated Load
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 <sup>°</sup> 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 <sup>°</sup> 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 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 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
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 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 * 12,100 * 11,700 * 11,400 * 11,400 * 10,300 9,900 9,400 9,900 8,800 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 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 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° 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 7,700 6,800 6,600 6,600 6,200 6,000 5,700 5,500 5,300

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.

Image <th< th=""><th></th><th>40</th><th><b>Boo</b>r</th><th>n</th><th></th><th></th><th></th><th>50</th><th><b>Boo</b>n</th><th>n</th><th></th><th></th><th></th><th>60'</th><th><b>Boon</b></th><th>n</th><th></th><th></th></th<>		40	<b>Boo</b> r	n				50	<b>Boo</b> n	n				60'	<b>Boon</b>	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 <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	
Load Redus         Degree Machine (b) (b) (b) (b) (b) (b) (b) (b) (b) (b)	Nee		-		0	4	Nee		-		4	4	nee				4	4	
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)	
150         81.3         151,000*         L         I         16.0         81.6         151,000*         L         81.9         125,800*         L         I     <	Radius	Angle	0 Degree Machine	1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius	Angle	0 Degree Machine	1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius	Angle	0 Degree Machine	1 Degree Machine	2 Degree Machine	2 Degree Machine	
	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 <sup>s</sup> 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 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 75.5 74.7 75.5 74.7 73.9 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	) <b>' Boo</b> 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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