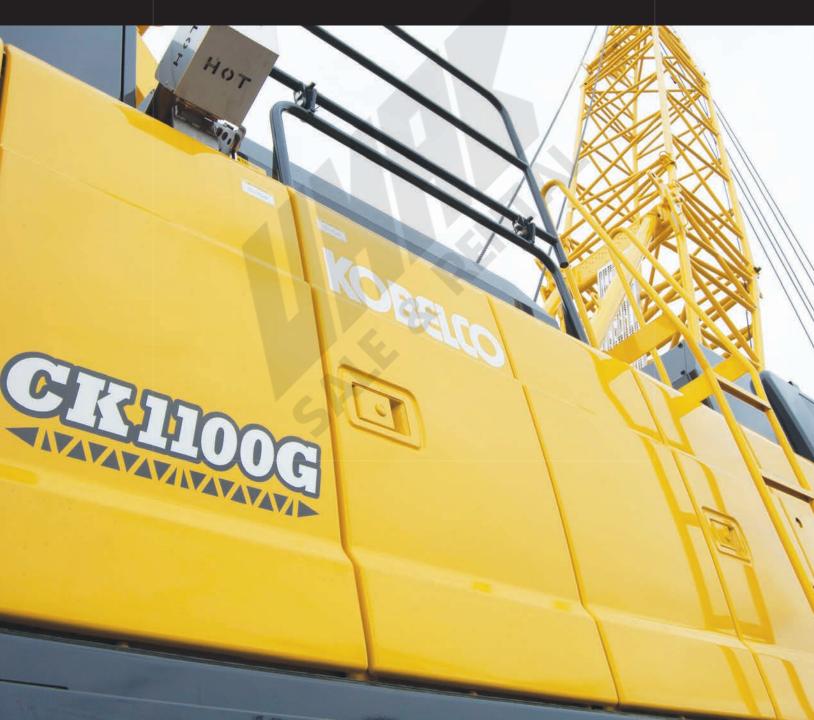


Hydraulic Crawler Crane

# GEIDOG

Max. Lifting Capacity: 110 US Tons Max. Crane Boom Length: 200 ft

Max. Fixed Jib Combination: 190 ft + 60 ft



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### **General Description**



Type Crawler mounted, Lattice boom, Hydraulic controlled Maximum lift capacity 220,000 lbs (99,800 kg) @ 11' operating radius (40' boom)

Basic boom length 40' (12.2 m) Maximum boom length 200' (61.0 m)

 $\begin{array}{ll} \textit{Basic boom \& jib length} & 80' + 30' \, (24.4 \text{ m} + 9.1 \text{ m}) \\ \textit{Maximum boom \& jib length} & 190' + 60' \, (57.9 \text{ m} + 18.3 \text{ m}) \\ \textit{Working weight} & \textit{Approx. 198,500 lbs (90,020 kg)} \end{array}$ 

Ground bearing pressure Approx. 12.9 psi (101 kPa)

*Gradeability* 40%

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.

#### **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)

### **Working Speed**

Hoist line speed (front and rear drums)

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

Lowering line speed (front and rear drums)

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

Boom hoist line speed (front and rear drums)

 $230 \sim 6.6 \text{ ft/min} (70 \sim 2 \text{ m/min})$ 

Boom lowering line speed (front and rear drums)

 $230 \sim 6.6$  ft/min ( $70 \sim 2$  m/min)

Swing speed (max.) 4.0 rpm

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

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

drum.

## **Upper Machinery**

Power Plant:

Diesel engine - make and model

Hino 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 l)

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 cleanout screen.

Throttle Twist grip type hand throttle, electrically controlled, in conjunction with floor mounted pedal.

Air cleaner Dry type with replaceable paper element.

Fuel tank capacity 106 US gal. (400 liters)

Lube oil filters Full flow and by-pass type with element type.

Fuel filter Replaceable paper element.

<sup>\* - 10&#</sup>x27;5" wide with Catwalks on cab side only. 11' wide with Catwalks on both sides.



Self Lifting Device - Standard Equipment

#### Counterweight and Carbody weight

 Counterweight Base
 1 x 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 \( \ell \)/min x 2)

Swing

1 piston pump, max flow rate 46.7 US gal/min (177  $\ell$ /min)

Control system and auxiliary

2 Gear pumps, max flow rate

16.3 US gal/min + 10.6 US gal (61.6 \( \ell \)min + 40.5 \( \ell \)min)

Brake cooling system

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

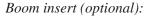


#### **Crane Attachments**

Boom:

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

Maximum boom length200' (61.0 m)Basic boom length40' (12.2 m)Boom base section19'7" (5.97 m)Boom tip section22'8" (6.91 m)



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 length60' (18.3 m)Basic jib length30' (9.1 m)Jib base section15'9" (4.8 m)Jib tip section16'5" (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)



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

### **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

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

1100K 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):

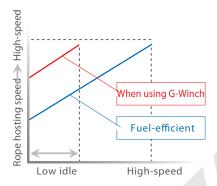
An Industry First

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.











**G-Engine** 

**G-Winch** 

AIS



Exhaust cleaning DPR:

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

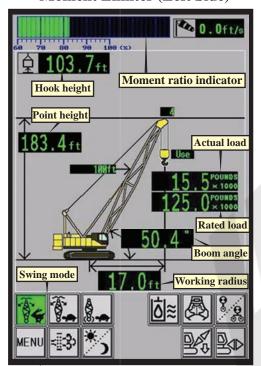
A new clean diesel system - although diesel engines consume less fuel and emit less CO2 than gasoline engines, they also emit more harmful particulate matter and nitrogen oxide (NOx). The "new clean energy system" engine utilizes a DPF to reduce particulate matter, which is also kept to a minimum using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

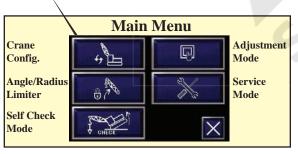
\* Warning: High sulfer diesel will damage the engine.

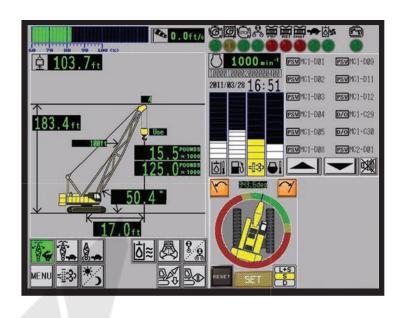
#### **Load Moment Indicator (LMI)**

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.

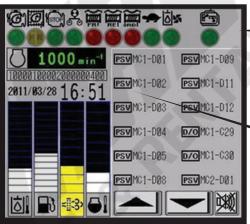
#### **Moment Limiter (Left Side)**







#### **Gauges (Right Side)**



Display Lamp
Display lamp
G-Engine
G-Winch
AIS operation
Slow speed state

AIS operation Free fall (3rd)
Slow speed state

Remote control connection

Oil cooler operation

Free fall (auxiliary)

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

#### Gauges

Hydraulic oil temperature
Fuel gauge
Diesel particulate filter gauge
Coolant temperature

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

#### **Over-Swing Prevention**

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



#### **Winch Performance Data**

#### Note:

Line speed and line pull based on Hino 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	Offig
	30,000	166	149	140	138	136	
	35,000	120	118	114	109		
	40,000	100	95	A			
Storage Cap	acity (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)

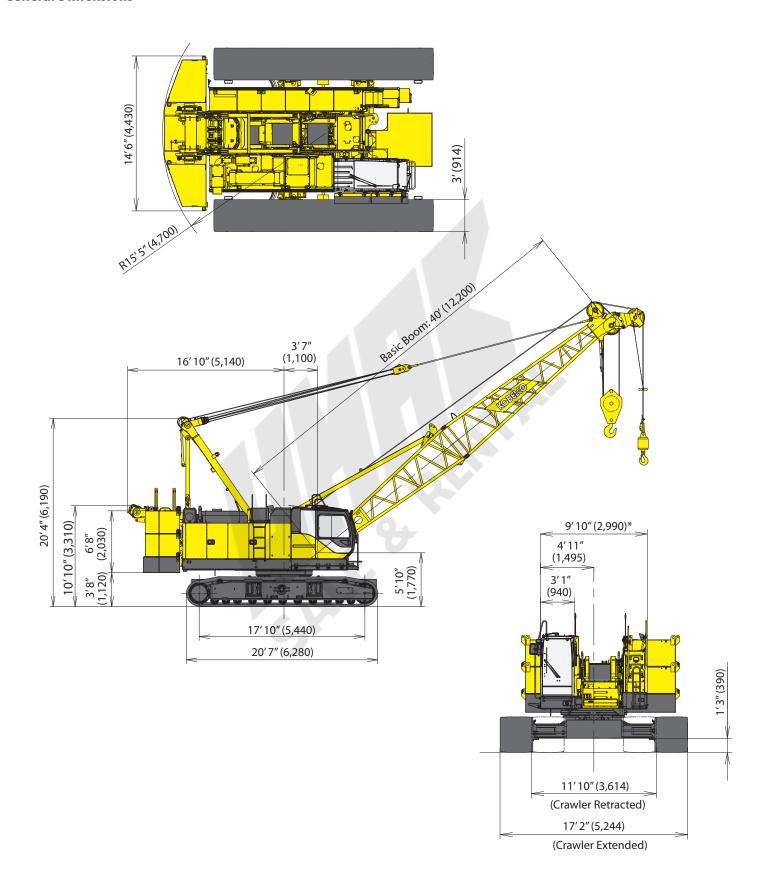
#### Line speed (ft/min)

	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 Cap	pacity (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**



<sup>\* - 10&#</sup>x27;5" wide with Catwalks on cab side only. 11' wide with Catwalks on both sides.

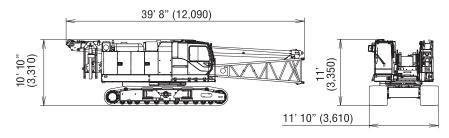
## **Dimensions and Weight**

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

#### Base Machine - 1

Weight: 95,200 lbs (43,150 kg)

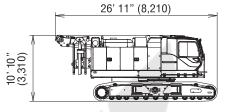
Boom base, gantry, crawlers, self removal unit, and wire ropes (front, rear, and boom hoist)

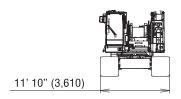


#### Base Machine - 2

Weight: 90,600 lbs (41,090 kg)

Gantry, crawlers, self removal unit, and wire ropes (front, rear, and boom hoist)

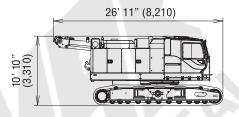


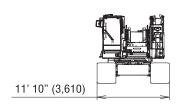


#### Base Machine - 3

Weight: 88,700 lbs (40,230 kg) Gantry, crawlers, and

wire ropes (front, rear, and boom hoist)

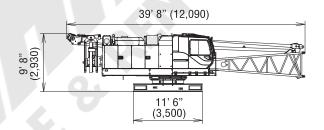


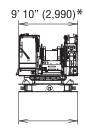


#### Base Machine - 4

Weight: 61,500 lbs (27,880 kg)

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

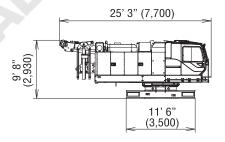


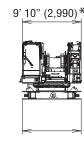


#### Base Machine - 5

Weight: 56,900 lbs (25,820 kg)
Gantry, self removal unit, and

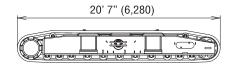
wire ropes (front, rear, and boom hoist)

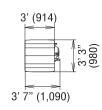




#### Crawler

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





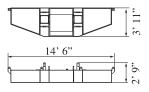
<sup>\* - 10&#</sup>x27;5" wide with Catwalks on cab side only. 11' wide with Catwalks on both sides.

## **Dimensions and Weight**

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

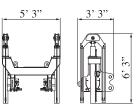
#### **Counterweight Base**

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



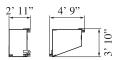
#### **Self Removal Unit**

Weight: 1,900 lbs (870 kg)



#### Counterweight (R)

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



#### Counterweight (L)

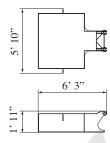
Weight: 12,700 lbs (5,750 kg)





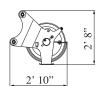
#### **Carbody Weight**

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



#### **Auxiliary Sheave**

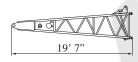
Weight: 430 lbs (195 kg)





#### **Boom Base**

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

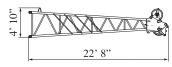




#### **Boom Tip**

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





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

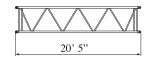
Weight: 800 lbs (364 kg) Includes cable roller and guy lines





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

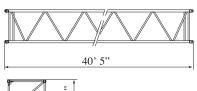
Weight: 1,400 lbs (613 kg) Includes cable roller and guy lines





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

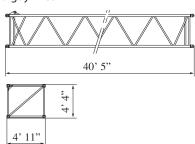
Weight: 2,400 lbs (1,098 kg) Includes cable roller and guy lines





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

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

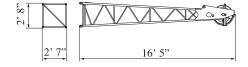


# **Dimensions and Weight**

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

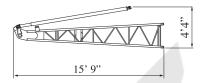
Jib Tip

Weight: 500 lbs (227 kg) Includes cable roller.



**Jib Base and Strut** 

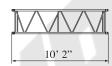
Weight: 1,400 lbs (637 kg) Includes guy line.





10 ft (3.0 m) Insert Jib

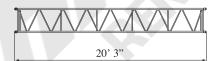
Weight: 280 lbs (128 kg) Includes cable roller and guy line.





20 ft (6.1 m) Jib Insert

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





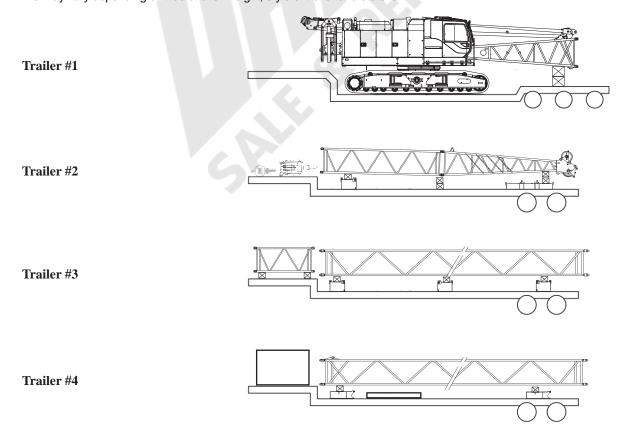
**Transportation Plan**Refer to pages 10-12

#### Shipping plan for 150 ft Boom

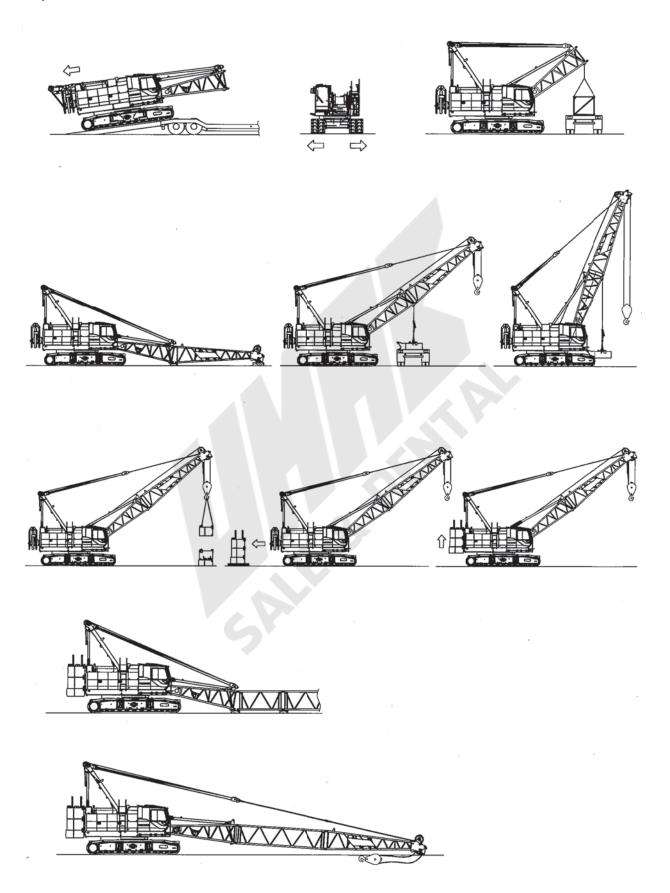
Description of Item	Wei	ight		Trailer	Loads	
Description of item	lbs	(kg)	#1	#2	#3	#4
Base Machine with Boom Base and Crawlers*	95,200	(43,150)	1			
Counterweight Base	18,200	(8,310)		1		
Counterweight (L)	12,700	(5,750)			2	
Counterweight ('R)	12,700	(5,750)		1	1	
Carbody Weight	15,900	(7,200)				2
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)	4			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
Approx Tatal Chinain	og Moight	lbs	95,200	39,000	41,300	39,390
Approx. Total Shippir	ig vveignt	(kg)	(43,150)	(17,691)	(18,712)	(17,822)

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

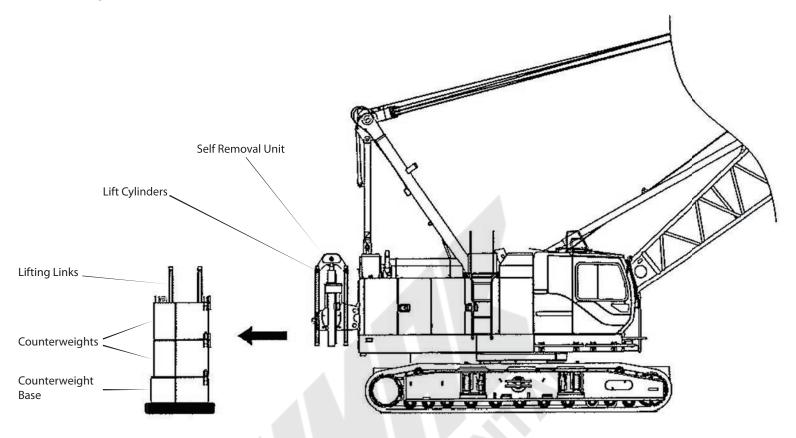
Loads for transportation were targeted at 45,000 lbs, 8' 6" wide, 48' long and 13' 6" high from ground, 48' step deck. This may vary depending on truck/trailer weight, style of trailer and state law.

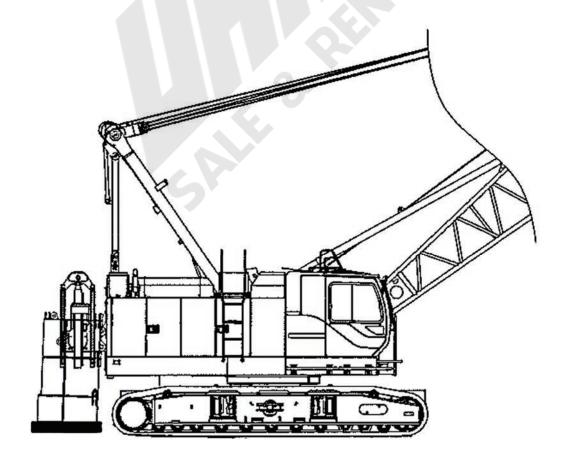


# **Self-Assembly Procedure**



# **Counterweight Self-Removal Device**



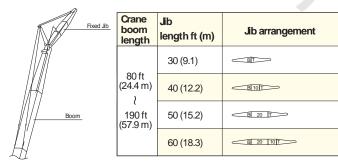


## **Boom and Fixed Jib Arrangement**

#### **Boom Arrangement**

Boom length ft (m)	Boom arrangement
40 (12.2)	
50 (15.2)	<u>□10</u> T
60 (18.3)	* 10 10 T
70 (21.3)	※ ■ 10 20 □
80 (24.4)	# B  10  10  20   T   B  40A   T   B  20   20   T
90 (27.4)	★ ■ 10 20 20 下     ■ 10 40A 下     ■ 40A 下     ■ 10 40A 下
100 (30.5)	* B 10 10  20   20   T
110 (33.5)	
120 (36.6)	*
130 (39.6)	* B 10  20   20   40A   T>  B 10  40   40A   T>
140 (42.7)	**     <

#### **Fixed Jib Arrangement**

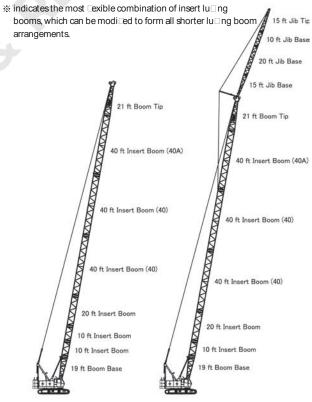


Symbol	Jib Length	Remarks
В	15 ft (4.6 m)	Jib Base
	15 ft (4.6 m)	Jib Top
10	10 ft (3.0 m)	Insert Jib
20	20 ft (6.1 m)	Insert Jib

Boom length ft (m)	Boom arrangement
150 (45.7)	
160 (48.8)	* B 10 10 20 40 40A T
170 (51.8)	※     ■ 10 20 20 40 40A T       ■ 10 40 40 40A T
180 (54.9)	Image: Second control of the contr
190 (57.9)	
200 (61.0)	※ ■ 10 10 20 40 40 f 40A T

Sym	bol	Boom Length	Remarks
<	B	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
40.	A	40.0 ft (12.2 m)	Insert Boom with lug

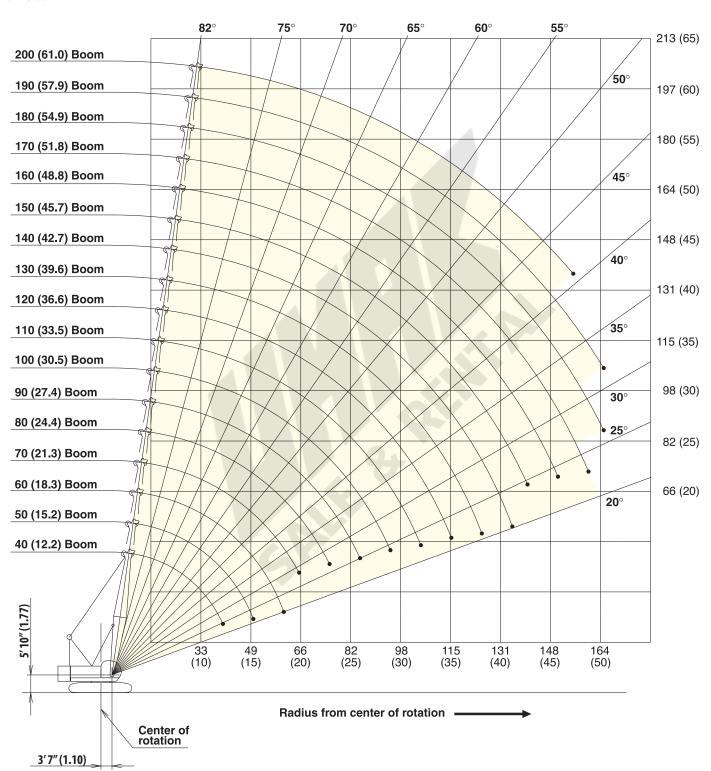
mark shows the guy line installing position when the □xed jib is used.



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

## **Working Ranges**

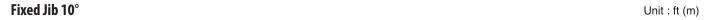
Main Boom Unit : ft (m)

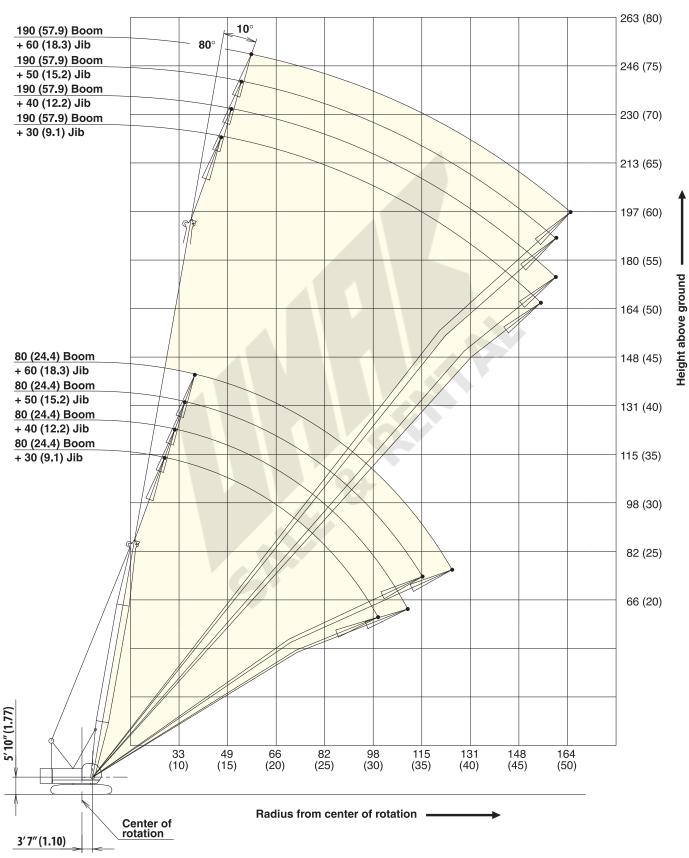


**17** 

Height above ground

## **Working Ranges**

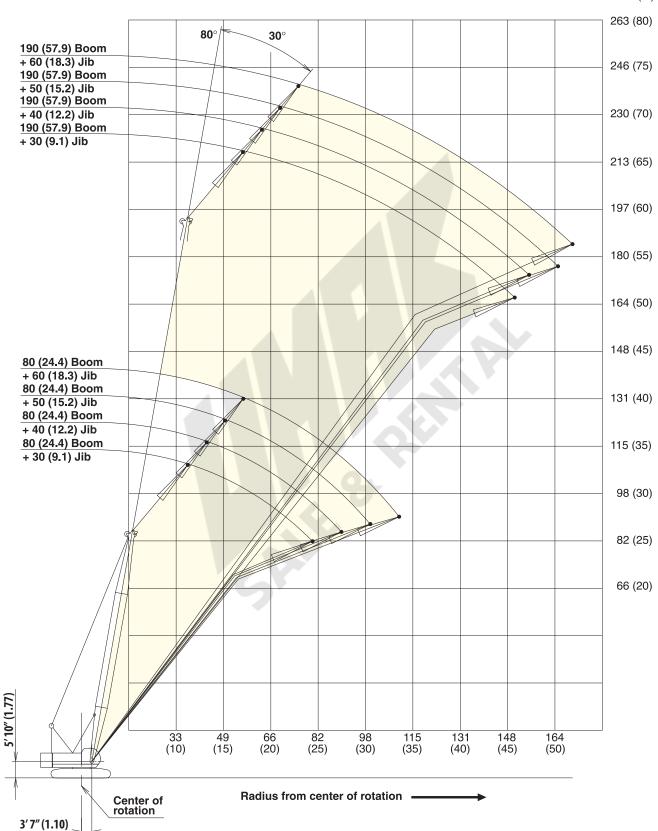




Height above ground

## **Working Ranges**





### **Supplemental Data**

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

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

# **Main Boom Lift Capacity**

40	)' Boo	m	50	0' Boo	m	60	)' 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	Rated Load	Radius		Rated Load	Radius		Rated Load	Radius	Angle	Rated Load	Radius	Angle	Rated Load
(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)
11.0 <b>12.0</b>	80.5 <b>79.0</b>	220,000 * <b>213,300</b> *	12.0 <b>13.0</b>	81.2 <b>80.0</b>	213,200 * <b>200,600</b> *	13.0 <b>14.0</b>	81.7 <b>80.7</b>	200,400 * <b>187,400</b> *	15.0 <b>16.0</b>	81.3 <b>80.4</b>	151,000 * <b>151,000</b> *	16.0 <b>17.0</b>	81.6 <b>80.9</b>	151,000 * <b>149,300</b> *
13.0	77.5	200,800 *	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	76.0	188,100 *	15.0	77.7	175,600 *	16.0	78.8	164,800 *	18.0	78.7	146,700 *	19.0	79.5	139,400 *
15.0	74.6	175,900 *	16.0	76.6	165,300 *	17.0	77.8	155,500 *	19.0	77.9	139,800 *	20.0	78.8	131,800
16.0	73.1	165,500 *	17.0	75.4	156,000 *	18.0	76.8	146,900 *	20.0	77.1	132,200	22.0	77.3	115,100
17.0 <b>18.0</b>	71.6 <b>70.1</b>	156,300 * <b>147,800</b> *	18.0 <b>19.0</b>	74.2 <b>72.9</b>	147,400 * <b>140,100</b> *	19.0 <b>20.0</b>	75.9 <b>74.9</b>	139,800 * <b>132,200</b>	22.0 <b>24.0</b>	75.4 <b>73.7</b>	115,400 <b>101,300</b>	24.0 <b>26.0</b>	75.8 <b>74.3</b>	101,000 <b>89,200</b>
19.0	68.5	140,500 *	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	132,800	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	115,600	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	101,300	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 <b>28.0</b>	57.0 <b>53.4</b>	89,600 <b>80,900</b>	28.0 <b>30.0</b>	61.7 <b>59.1</b>	80,700 <b>73,000</b>	30.0 <b>32.0</b>	64.6 <b>62.5</b>	72,800 <b>66,600</b>	34.0 <b>36.0</b>	64.9 <b>63.0</b>	62,000 <b>57,800</b>	36.0 <b>38.0</b>	66.6 <b>65.1</b>	57,300 <b>53,100</b>
30.0	49.8	73,300	32.0	56.3	67,000	34.0	60.3	61,600	38.0	61.2	53,600	40.0	63.5	49,300
32.0	45.8	67,200	34.0	53.4	62,000	36.0	58.0	57,300	40.0	59.3	49,800	42.0	61.8	46,600
34.0	41.2	61,700	36.0	50.3	57,800	38.0	55.7	53,100	42.0	57.3	46,900	44.0	60.2	43,800
36.0	36.2	56,600	38.0	47.3	53,600	40.0	53.4	49,300	44.0	55.3	44,100	46.0	58.5	41,100
38.0 <b>40.0</b>	31.1 <b>25.4</b>	51,500 <b>45,900</b> *	40.0 <b>42.0</b>	44.0 <b>40.4</b>	49,800 <b>47,000</b>	42.0 <b>44.0</b>	50.9 <b>48.3</b>	46,600	46.0 <b>48.0</b>	53.3 <b>51.2</b>	41,300	48.0 <b>50.0</b>	56.8 <b>55.1</b>	39,100 <b>37,100</b>
40.0	25.4	45,900	44.0	36.7	44,300	46.0	45.8	<b>43,800</b> 41,100	50.0	49.0	<b>39,400</b> 37,400	55.0	50.5	<b>37,100</b> 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
Poo					4	60.0	20.7	28,600 *				75.0	26.9	22,100
			l Poo	WOC I	Ω	Poo	WOS.	Ω	Poo	MOS	6	Poo	VOC	6
	ves	8 m		eves	8 2m		eves	8 0m		eves	6 0m		ves	6 om
90	)' Boo	m	10	0' Boo	om 💮	11	0' Boo	om	12	0' Boo	om	13	0' Boo	om
90 Load	)' Boo Boom	m 360°	10 Load	0' Boom	om 360°	11 Load	0' Boom	om 360°	12 Load	0' Boom	om 360°	13 Load	0' Boom	om 360°
90	)' Boo	m	10	0' Boom	om 💮	11	0' Boom	om	12	0' Boo	om	13	0' Boo	om
Load Radius (ft)	Boom Angle (deg.) 81.9	360° Rated Load (lbs) 125,800 *	Load Radius (ft)	O' Boom Angle (deg.) 81.6	360° Rated Load (lbs) 125,600 *	Load Radius (ft)	O' Boom Angle (deg.) 81.8	360° Rated Load (lbs) 100,800 *	Load Radius (ft) 22.0	O' Boom Angle (deg.)	360° Rated Load (lbs) 98,700 *	Load Radius (ft)	O' Boom Angle (deg.) 81.3	360° Rated Load (lbs) 85,100 *
90 Load Radius (ft) 17.0 18.0	Boom Angle (deg.) 81.9 81.3	360° Rated Load (lbs) 125,800 * 125,800 *	Load Radius (ft) 19.0 20.0	0' Boom Angle (deg.) 81.6 81.0	360° Rated Load (lbs) 125,600 * 123,600 *	Load Radius (ft) 20.0 22.0	O' Boom Angle (deg.) 81.8 80.8	360° Rated Load (lbs) 100,800 * 100,800 *	Load Radius (ft) 22.0 24.0	O' Boom Angle (deg.) 81.6 80.6	360° Rated Load (lbs) 98,700 * 94,200 *	Load Radius (ft) 24.0 26.0	O' Boom Angle (deg.) 81.3 80.4	360° Rated Load (lbs) 85,100 * 83,900 *
90 Load Radius (ft) 17.0 18.0 19.0	Boom Angle (deg.) 81.9 81.3 80.7	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 *	Load Radius (ft) 19.0 20.0 22.0	0' Boom Angle (deg.) 81.6 81.0 79.9	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 *	Load Radius (ft) 20.0 22.0 24.0	0' Boom Angle (deg.) 81.8 80.8 79.7	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 *	Load Radius (ft) 22.0 24.0 26.0	0' Boom Angle (deg.) 81.6 80.6 79.6	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 *	Load Radius (ft) 24.0 26.0 28.0	0' Boom Angle (deg.) 81.3 80.4 79.5	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 *
90 Load Radius (ft) 17.0 18.0	Boom Angle (deg.) 81.9 81.3	360° Rated Load (lbs) 125,800 * 125,800 *	Load Radius (ft) 19.0 20.0	81.6 81.0 79.9 77.5	360° Rated Load (lbs) 125,600 * 123,600 *	Load Radius (ft) 20.0 22.0	O' Boom Angle (deg.) 81.8 80.8	360° Rated Load (lbs) 100,800 * 100,800 *	Load Radius (ft) 22.0 24.0	O' Boom Angle (deg.) 81.6 80.6	360° Rated Load (lbs) 98,700 * 94,200 *	Load Radius (ft) 24.0 26.0	O' Boom Angle (deg.) 81.3 80.4	360° Rated Load (lbs) 85,100 * 83,900 *
9( Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4	360 Rated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800	10 Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0	81.6 81.0 79.9 78.7 77.5 76.3	360° Rated Load (lbs)  125,600 * 123,600 * 112,200 * 100,600 88,900 80,200	Load Radius (ft)  20.0 22.0 24.0 26.0 28.0 30.0	81.8 80.8 79.7 78.6 77.6 76.5	360 Rated Load (lbs)  100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400	Load Radius (ft)  22.0 24.0 26.0 28.0 30.0 32.0	81.6 80.6 79.6 77.7 76.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0	81.3 80.4 79.5 78.6 77.7 76.9	360° Rated Load (lbs)  85,1100 * 83,900 * 78,200 * 71,900 65,900 60,900
Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1	360 Rated Load (lbs)  125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0	81.6 81.0 79.9 78.7 77.5 76.3 75.1	360° Rated Load (lbs)  125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400	Load Radius (ft) 20.0 24.0 24.0 26.0 28.0 30.0 32.0	81.8 80.8 79.7 78.6 77.6 76.5 75.4	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300	Load Padius (ft)  22.0 24.0 26.0 28.0 30.0 32.0 34.0	81.6 80.6 79.6 77.7 76.7 75.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 72,200 66,100 61,100	Load Radius (ft)  24.0 26.0 28.0 30.0 32.0 34.0 36.0	81.3 80.4 79.5 78.6 77.7 76.9 75.9	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600
Load Padius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0	Boom Angle (deg.) 81.3 80.7 80.0 78.7 77.4 76.1 74.8	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 1100,800 89,100 89,500	Load Padius (ft) 19.0 20.0 22.0 24.0 26.0 30.0 32.0	81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0	360° Rated Load (lbs)  125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300	Load Padius (ft) 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 80,200 72,400 66,300 61,300	Load Padius (ft)  22.0 24.0 26.0 30.0 32.0 34.0 36.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800	Load Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300
Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1	360° Rated Load (lbs)  125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 100,800 89,100 80,500 72,800 66,600	Load Radius (ft)  19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0	81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6	360° Rated 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 24.0 28.0 30.0 32.0 34.0 36.0 38.0	81.8 80.8 79.7 78.6 77.6 75.4 74.3 73.2 72.2	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 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 36.0 38.0 40.0	81.6 80.6 79.6 77.7 75.7 74.7 72.7	360° Rated Load (lbs)  98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700	Load Radius (ft)  24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600
17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1 70.8	360° Rated Load (lbs)  125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 110,800 89,100 80,500 72,800 66,600 61,600	Load Radius (ft)  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.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3	360° Rated Load (lbs)  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 24.0 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 77.6 76.5 75.4 74.3 73.2 72.2 71.1	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 80,200 72,400 66,300 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 40.0 42.0	80.6 79.6 76.7 76.7 74.7 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	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	80.4 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800
17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0	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	360° Rated Load (lbs)  125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300	Load Radius (ft)  19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1	360° Rated Load (lbs)  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 24.0 24.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0	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	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 80,200 72,400 66,300 61,300 52,700 48,900 46,200	Load Radius (ft)  22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0	80.6 79.6 78.6 77.7 76.7 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 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 46.0	80.4 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 71.3	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
90 Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1 70.8	360° 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	Load Radius (ft)  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.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3	360° Rated Load (lbs)  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	Load Radius (ft)  20.0 24.0 24.0 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 77.6 76.5 75.4 74.3 73.2 72.2 71.1	360° Rated Load (lbs)  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	Load Radius (ft)  22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0	80.6 79.6 76.7 76.7 74.7 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 38,300	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	80.4 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800
Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 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 * 125,800 * 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 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	81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4	360° Rated Load (lbs)  125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700 48,900 48,900 48,900 40,700	Load Radius (ft)  20.0 24.0 24.0 28.0 30.0 30.0 36.0 38.0 40.0 42.0 44.0 48.0	81.8 80.8 79.7 78.6 77.6 76.5 77.4 74.3 73.2 72.2 71.1 70.0 68.9 67.8 66.6	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 38,700	Load Radius (ft)  22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 46.0 50.0	81.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 71.7 70.7 69.7 68.6 67.6	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700 45,800 43,000 40,200 38,300 36,300	Load Radius (ft)  24.0 26.0 28.0 30.0 32.0 34.0 40.0 44.0 46.0 48.0 50.0 55.0	81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 65,900 65,900 48,400 45,600 42,800 40,000 38,000 38,000 31,600
Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 40.0 44.0	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 63.8	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	Load Radius (ft)  19.0 20.0 22.0 24.0 26.0 30.0 33.0 34.0 36.0 38.0 40.0 44.0 44.0 44.0 48.0	800 Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1	360° Rated Load (lbs)  125,600 * 123,600 * 112,200 * 100,600 88,900 72,400 66,300 61,300 57,000 52,700 48,900 44,900 43,400 40,700 38,700	Load Radius (ft)  20.0 24.0 24.0 26.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 48.0 50.0	81.8 80.8 79.7 78.6 77.6.5 77.4 74.3 73.2 72.2 71.1 70.0 68.9 67.8 66.6 65.4	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 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 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 46.0 50.0 55.0	81.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 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 36,300 32,000	Load Radius (ft)  24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 46.0 45.0 55.0 60.0	80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6	360° Rated Load (lbs)  85,100 * 83,900 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 31,600 28,100
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 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 * 125,800 * 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 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	81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4	360° Rated Load (lbs)  125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700 48,900 48,900 48,900 40,700	Load Radius (ft)  20.0 24.0 24.0 28.0 30.0 30.0 36.0 38.0 40.0 42.0 44.0 48.0	81.8 80.8 79.7 78.6 77.6 76.5 77.4 74.3 73.2 72.2 71.1 70.0 68.9 67.8 66.6	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 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 28,700	Load Radius (ft)  22.0 24.0 26.0 28.0 30.0 32.0 34.0 42.0 44.0 46.0 48.0 50.0 60.0	81.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 71.7 70.7 69.7 68.6 67.6	360° Rated Load (lbs)  98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700 45,800 40,200 38,300 32,000 28,300 25,400	Load Radius (ft)  24.0 26.0 28.0 30.0 32.0 34.0 40.0 44.0 46.0 48.0 50.0 55.0	81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 42,800 40,000 38,000 31,600 28,100 25,200
Load Radius (ft)  17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 34.0 36.0 38.0 40.0 44.0 44.0 44.0 44.0 48.0 50.0	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 63.8 62.4 60.9 59.4	360° Rated Load (lbs)  125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 110,800 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 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 48.0 50.0 55.0 60.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1 62.8 59.5 56.1	360° Rated Load (lbs)  125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 48,900 40,700 43,400 40,700 38,700 36,600 32,300 28,700	Load Radius (ft)  20.0 24.0 26.0 28.0 30.0 34.0 34.0 44.0 46.0 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 71.1 70.0 68.9 67.8 66.6 65.4 62.5 59.5 56.5	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 38,700 36,600 32,300 228,700 25,900	Load Radius (ft)  22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 42.0 44.0 45.0 50.0 60.0 65.0 70.0	80.6 79.6 78.6 77.7 76.7 75.7 74.7 70.7 69.7 68.6 67.0 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 26.0 28.0 30.0 32.0 34.0 36.0 44.0 46.0 48.0 50.0 65.0 670.0 75.0	80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 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 38.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0	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 63.8 62.4 60.9 59.4 55.7	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	Load Radius (ft)  19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 40.0 42.0 44.0 46.0 50.0 55.0 60.0 65.0	800 Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1 62.8 59.5 56.1 52.5	360° Rated Load (lbs)  125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 48,900 40,700 43,400 40,700 38,700 36,600 32,300 28,700 25,900	Load Radius (ft)  20.0 24.0 24.0 28.0 30.0 34.0 34.0 44.0 46.0 48.0 50.0 60.0 65.0 70.0	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 66.5 462.5 59.5 56.5 53.2	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 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 28,700 25,900 23,500	Load Radius (ft)  22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 42.0 44.0 46.0 48.0 50.0 605.0 70.0 75.0	80.6 79.6 77.7 76.7 75.7 74.7 70.7 69.7 68.6 67.0 62.3 59.6 56.8 53.8	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 21,200	Load Radius (ft)  24.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 48.0 50.0 65.0 670.0 75.0 80.0	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	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 19,000
17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 42.0 44.0 44.0 48.0 50.0 55.0 60.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 69.4 68.0 66.6 65.2 63.8 62.4 60.9 59.4 55.7 51.7	360° Rated Load (lbs)  125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 110,800 * 89,100 * 80,500 * 72,800 * 66,600 * 61,600 * 57,300 * 49,300 * 46,500 * 43,700 * 40,900 * 38,900 * 36,900 * 32,500 * 29,000	Load Radius (ft)  19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 50.0 60.0 65.0 70.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1 62.8 59.5 56.1 52.5 48.8	360° Rated Load (lbs)  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 38,700 36,600 32,300 28,700 25,900 23,500	Load Radius (ft)  20.0 24.0 24.0 28.0 30.0 32.0 34.0 36.0 44.0 46.0 48.0 50.0 65.0 70.0 75.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 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 49.9	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 80,200 72,400 66,300 61,300 52,700 48,900 46,200 43,400 40,700 38,700 36,600 32,300 28,700 25,900 21,400	Load Radius (ft)  22.0 24.0 26.0 30.0 32.0 34.0 40.0 42.0 44.0 50.0 55.0 60.0 65.0 75.0 80.0	80.6 79.6 77.7 76.7 75.7 74.7 76.7 77.7 76.7 76.7 76.7 76.7 76	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 40,200 38,300 32,000 28,300 25,400 23,200 21,200 19,400	Load Padius (ft)  24.0 26.0 28.0 30.0 32.0 34.0 36.0 42.0 44.0 48.0 50.0 65.0 70.0 85.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 74.1 73.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0 54.3 51.6	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 31,600 28,100 25,200 22,900 20,900 19,000 17,500
Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 26.0 28.0 30.0 34.0 36.0 40.0 44.0 46.0 48.0 50.0 65.0 70.0	81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1 70.8 69.4 68.6 65.2 63.8 62.4 60.9 59.4 59.4 75.7 74.8 74.8 75.7 72.1 70.8 65.2 65.2 65.2 65.2 65.2 65.2 65.2 65.2	360° Rated Load (lbs)  125,800 * 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500 49,300 40,900 38,900 32,500 29,000 26,100 23,800	Load Radius (ft)  19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 50.0 55.0 60.0 70.0 75.0 80.0	800 Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1 62.8 59.5 56.1 52.5 48.8 44.8	360° Rated Load (lbs)  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 38,700 36,600 32,300 28,700 25,900 23,500 21,400 19,600	Load Radius (ft)  20.0 24.0 26.0 28.0 32.0 32.0 36.0 40.0 44.0 48.0 55.0 60.0 75.0 80.0 85.0	81.8 80.8 79.7 78.6 77.6.5 77.4 73.2 72.2 71.1 70.0 68.9 66.6 65.4 62.5 59.5 56.5 53.2 49.9 46.4 42.6	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 38,700 38,700 32,300 28,700 21,400 19,600 18,100	Load Radius (ft)  22.0 24.0 26.0 28.0 30.0 32.0 34.0 42.0 44.0 45.0 65.0 70.0 75.0 80.0 85.0 90.0	80.6 79.6 78.6 77.7 76.7 75.7 74.7 70.7 69.7 68.6 67.6 65.0 62.3 59.6 56.8 53.8 53.8 47.7 44.3	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 40,200 38,300 32,000 28,300 28,300 21,200 17,700 16,500	Load Radius (ft)  24.0 28.0 30.0 32.0 34.0 36.0 44.0 48.0 55.0 65.0 70.0 75.0 80.0 90.0	80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0 51.6 48.7 45.6	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 31,600 25,200 22,900 20,900 19,000 17,500 16,100 15,000
Load Radius (ft)  17.0 18.0 19.0 20.0 22.0 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 65.0 70.0 75.0	81.9 81.3 80.7 80.0 78.7 77.4 76.1 70.8 69.4 68.0 65.2 63.8 62.4 60.9 59.4 55.7 47.4 42.9 37.9	360° Rated Load (lbs)  125,800 * 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500 49,300 40,900 38,900 32,500 29,000 26,100 23,800 21,800	Load Radius (ft)  19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 75.0 80.0 85.0	800 Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1 62.8 59.5 56.1 52.5 48.8 44.8 40.5 36.0	360° Rated Load (lbs)  125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700 48,900 40,700 38,700 38,700 38,700 28,700 25,900 23,500 21,400 19,600 18,100	Load Radius (ft)  20.0 24.0 24.0 28.0 30.0 32.0 40.0 44.0 48.0 55.0 60.0 65.0 70.0 85.0 90.0	81.8 80.8 79.7 78.6 77.6 75.4 74.3 73.2 72.2 71.1 70.0 68.9 66.6 65.4 62.5 59.5 56.5 54.9 44.6 38.6	360° Rated Load (lbs)  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 38,600 32,300 28,700 21,400 19,600 18,100 16,800	Load Radius (ft)  22.0 24.0 26.0 28.0 30.0 32.0 34.0 42.0 44.0 45.0 65.0 70.0 75.0 80.0 90.0 95.0	80.6 79.6 76.7 76.7 75.7 74.7 70.7 69.7 68.6 67.6 65.0 62.3 59.6 56.8 53.8 50.8 47.7 44.3 40.7	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 38,300 32,000 28,300 25,400 23,200 21,200 19,400 17,700 16,500 15,300	Load Radius (ft)  24.0 28.0 30.0 32.0 34.0 36.0 44.0 48.0 55.0 65.0 70.0 75.0 80.0 95.0 100.0	80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 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	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 22,900 20,900 19,000 17,000 16,100 15,000 14,000
20.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 34.0 36.0 38.0 42.0 44.0 44.0 46.0 48.0 50.0 55.0 60.0 75.0 80.0	80.7 80.0 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 63.8 62.4 60.9 59.4 55.7 51.7 47.9 37.9 32.2	360° Rated Load (lbs)  125,800 * 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 100,800 89,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500 43,700 40,900 38,900 32,500 29,000 26,100 23,800 21,800 20,100	Load Radius (ft)  19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 70.0 80.0 85.0 90.0	800 Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1 52.5 48.8 44.8 40.5 36.0 30.5	360° Rated Load (lbs)  125,600 * 123,600 * 112,200 * 100,600 88,900 88,900 66,300 61,300 57,000 52,700 48,900 40,200 43,400 40,700 38,700 38,700 38,700 25,900 21,400 19,600 18,100 16,900	Load Radius (ft)  20.0 24.0 24.0 28.0 30.0 34.0 36.0 36.0 40.0 44.0 48.0 55.0 65.0 70.0 75.0 80.0 95.0	80.8 79.7 78.6 77.6 75.4 74.3 73.2 72.2 71.1 70.0 68.9 66.6 65.4 62.5 59.5 56.5 53.2 49.9 46.4 42.6 38.6 34.1	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 48,900 46,200 43,400 40,700 38,700 36,600 32,300 28,700 21,400 19,600 18,100 16,800 15,600	Load Radius (ft)  22.0 24.0 26.0 28.0 30.0 32.0 34.0 42.0 44.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0	80.6 79.6 78.6 77.7 75.7 74.7 75.7 70.7 69.7 65.8 53.8 50.8 47.7 44.3 40.7 36.9	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 40,200 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 28.0 30.0 32.0 34.0 44.0 48.0 50.0 65.0 75.0 80.0 90.0 100.0 110.0	80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.1 64.6 62.2 59.6 57.0 54.3 51.6 48.7 45.6 42.4 35.4	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 42,800 40,000 38,000 31,600 28,100 25,200 22,900 20,900 17,500 16,100 15,000 14,000 12,100
Load Radius (ft)  17.0 18.0 19.0 20.0 22.0 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 65.0 70.0 75.0	81.9 81.3 80.7 80.0 78.7 77.4 76.1 70.8 69.4 68.0 65.2 63.8 62.4 60.9 59.4 55.7 47.4 42.9 37.9	360° Rated Load (lbs)  125,800 * 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500 49,300 40,900 38,900 32,500 29,000 26,100 23,800 21,800	Load Radius (ft)  19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 75.0 80.0 85.0	800 Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1 62.8 59.5 56.1 52.5 48.8 44.8 40.5 36.0	360° Rated Load (lbs)  125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700 48,900 40,700 38,700 38,700 38,700 28,700 25,900 23,500 21,400 19,600 18,100	Load Radius (ft)  20.0 24.0 24.0 28.0 30.0 32.0 40.0 44.0 48.0 55.0 60.0 65.0 70.0 85.0 90.0	81.8 80.8 79.7 78.6 77.6 75.4 74.3 73.2 72.2 71.1 70.0 68.9 66.6 65.4 62.5 59.5 56.5 54.9 44.6 38.6	360° Rated Load (lbs)  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 38,600 32,300 28,700 21,400 19,600 18,100 16,800	Load Radius (ft)  22.0 24.0 26.0 28.0 30.0 32.0 34.0 42.0 44.0 45.0 65.0 70.0 75.0 80.0 90.0 95.0	80.6 79.6 76.7 76.7 75.7 74.7 70.7 69.7 68.6 67.6 65.0 62.3 59.6 56.8 53.8 50.8 47.7 44.3 40.7	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 38,300 32,000 28,300 25,400 23,200 21,200 19,400 17,700 16,500 15,300	Load Radius (ft)  24.0 28.0 30.0 32.0 34.0 36.0 44.0 48.0 55.0 65.0 70.0 75.0 80.0 95.0 100.0	80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 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	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 22,900 20,900 19,000 17,000 16,100 15,000 14,000

## **Main Boom Lift Capacity**

ain Boo	om Lif	t Capacity								Full Coun	terweight: 69,00	00 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 Radius	Boom Angle	360° Rated Load	Load Radius		360° Rated Load	Load Radius	Boom Angle	360° Rated Load	Load Radius	Boom Angle	360° Rated Load	Load Radius	Boom Angle	360° Rated Load
24.0	(deg.) 81.9	(lbs) 72,900 *	26.0	81.7	(lbs) 62,200 *	28.0	81.5	(lbs) 50,200 *	30.0	81.3	(lbs) 44,500 *	30.0	81.8	(lbs) 39,300 *
<b>26.0</b> 28.0	<b>81.1</b> 80.3	<b>71,800</b> * 70,800 *	<b>28.0</b> 30.0	<b>80.9</b> 80.1	<b>61,300</b> * 60,400 *	<b>30.0</b> 32.0	<b>80.8</b> 80.1	<b>50,100</b> * 49,700 *	<b>32.0</b> 34.0	<b>80.7</b> 80.0	<b>43,900</b> * 43,200 *	<b>32.0</b> 34.0	<b>81.2</b> 80.5	<b>38,800</b> * 38,200 *
<b>30.0</b> 32.0	<b>79.4</b> 78.6	<b>69,000 *</b> 64,700 *	<b>32.0</b> 34.0	<b>79.4</b> 78.6	<b>59,400 *</b> 57,200 *	<b>34.0</b> 36.0	<b>79.4</b> 78.6	<b>49,200 *</b> 48,500 *	<b>36.0</b> 38.0	<b>79.3</b> 78.6	<b>42,500</b> * 41,900 *	<b>36.0</b> 38.0	<b>79.9</b> 79.2	<b>37,600 *</b> 37,000 *
<b>34.0</b> 36.0	<b>77.8</b> 76.9	<b>60,500</b> 56,200	<b>36.0</b> 38.0	<b>77.8</b> 77.0	<b>54,100</b> * 51,000 *	<b>38.0</b> 40.0	<b>77.9</b> 77.2	<b>47,800</b> * 46,600 *	<b>40.0</b> 42.0	<b>77.9</b> 77.2	<b>41,200</b> * 40,600 *	<b>40.0</b> 42.0	<b>78.6</b> 77.9	<b>36,400 *</b> 35,800 *
38.0	76.1	52,000	40.0	76.3	48,000	42.0	76.4	44,300 *	44.0	76.5	40,000 *	44.0	77.2	35,100 *
40.0 <b>42.0</b>	75.2 <b>74.4</b>	48,200 <b>45,400</b>	42.0 <b>44.0</b>	75.5 <b>74.7</b>	45,200 <b>42,400</b>	44.0 <b>46.0</b>	75.6 <b>74.9</b>	42,100 * <b>39,800</b>	46.0 <b>48.0</b>	75.8 <b>75.1</b>	39,300 * <b>37,400</b> *	46.0 <b>48.0</b>	76.6 <b>75.9</b>	34,500 * <b>33,900</b> *
44.0 <b>46.0</b>	73.5 <b>72.7</b>	42,600 <b>39,800</b>	46.0 <b>48.0</b>	73.9 <b>73.1</b>	39,600 <b>37,500</b>	48.0 <b>50.0</b>	74.1 <b>73.4</b>	37,800 <b>35,800</b>	50.0 <b>55.0</b>	74.4 <b>72.6</b>	35,400 * <b>31,200</b>	50.0 <b>55.0</b>	75.3 <b>73.7</b>	33,300 * <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	59.7	20,500	80.0	59.6	18,500	85.0	59.7	17,000	90.0	59.7	15,400	90.0	61.6	15,200
<b>80.0</b> 85.0	<b>57.3</b> 54.8	<b>18,700</b> 17,200	<b>85.0</b> 90.0	<b>57.4</b> 55.2	<b>17,000</b> 15,700	<b>90.0</b> 95.0	<b>57.6</b> 55.4	<b>15,700</b> 14,500	<b>95.0</b> 100.0	<b>57.8</b> 55.8	<b>14,300</b> 13,300	<b>95.0</b> 100.0	<b>59.8</b> 57.9	<b>14,000</b> 12,900
<b>90.0</b> 95.0	<b>52.2</b> 49.5	<b>15,900</b> 14,600	<b>95.0</b> 100.0	<b>52.8</b> 50.3	<b>14,400</b> 13,400	<b>100.0</b> 110.0	<b>53.2</b> 48.6	<b>13,500</b> 11,700	<b>110.0</b> 120.0	<b>51.5</b> 47.0	<b>11,500</b> 9,800	<b>110.0</b> 120.0	<b>54.0</b> 49.9	<b>11,100</b> 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			4							165.0	26.5	5,100
Ree	ves	4	Ree	ves	4	Ree	ves	2	Ree	ves	2	_		
Ree 19	ves 0' Boo			ves 0' Boo		Ree	ves	2	Ree	ves	2	_	ves	2
19 Load Radius	0' Boom Boom Angle	360° Rated Load	20 Load Radius	0' Boom Boom Angle	360° Rated Load	Ree	ves	2	Rec	eves	2	_		
19 Load	0' Boom	om 360°	20 Load	0' Boom	om 360°	Ree	ves	2	Ree	eves	2	_		
19 Load Radius (ft) 32.0 34.0	O' Boom Angle (deg.) 81.6 81.0	360° Rated Load (lbs) 34,400 * 33,800 *	20 Load Radius (ft) 34.0 36.0	O' Boom Angle (deg.) 81.5 80.9	360° Rated Load (lbs) 30,300 * 29,700 *	Ree	ves	2	Ree	eves	2	_		
Load Radius (ft) 32.0 34.0 36.0 38.0	81.6 80.4 79.8	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 *	20 Load Radius (ft) 34.0 36.0 38.0 40.0	81.5 80.3 80.3 79.7	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 *	Ree	ves	2	Ree	eves	2	_		
19 Load Radius (ft) 32.0 34.0 36.0 38.0 40.0	81.6 80.4 79.8 79.2	360° Rated Load (lbs)  34,400 * 33,800 * 33,300 * 32,700 * 32,200 *	20 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0	81.5 80.3 79.1	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 28,200 *	Ree	ves	2	Ree	ves	2	_		
19 Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0	360° Rated Load (lbs)  34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 31,100 *	20 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 46.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,200 * 27,700 * 27,300 *	Ree	ves	2	Ree	ves	2	_		
19 Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0	81.6 81.0 80.4 79.8 79.2 78.6	360° Rated Load (lbs)  34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 *	20 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 77.4 76.8	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,700 *	Ree	ves	2	Ree	ves	2	_		
Load Radius (ft)  32.0 34.0 36.0 38.0 40.0 42.0 44.0 48.0 50.0	81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.7	360° Rated Load (lbs)  34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 *	20 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 48.0 50.0 55.0	81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8 75.3	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,200 * 27,700 * 27,300 * 26,800 * 26,300 * 24,900 *	Ree	ves	2	Ree	ves	2	_		
Load Radius (ft)  32.0 34.0 36.0 38.0 40.0 44.0 44.0 55.0 60.0	81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.1 74.5 73.0	360° Rated Load (lbs)  34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 30,600 * 30,100 * 29,600 * 28,100 * 26,200 *	20 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 60.0 65.0	80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4	360° Rated Load (lbs)  30,300 * 29,700 * 29,200 * 28,700 * 27,300 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 *	Ree	ves	2	Ree	ves	2	_		
19 Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 55.0 60.0 65.0	Boom Angle (deg.)  81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.1 74.5 73.0 71.4	360° Rated Load (lbs)  34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 31,100 * 30,600 * 29,600 * 28,100 * 26,200 * 24,000 *	20 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 46.0 48.0 50.0 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 72.4 70.9	360° Rated Load (lbs)  30,300 * 29,700 * 29,200 * 28,700 * 27,300 * 26,800 * 24,900 * 23,200 * 21,500 * 20,000 *	Ree	ves	2	Ree	ves	2	_		
19 Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 44.0 48.0 50.0 65.0 60.0 70.0 75.0	81.6 81.0 80.4 79.8 79.2 78.6 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2	360° Rated Load (lbs)  34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 30,600 * 30,100 * 29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900	20 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 50.0 55.0 60.0 65.0 75.0 80.0	81.5 80.9 80.3 79.7 79.1 78.6 76.8 75.3 73.8 72.4 70.9 69.3 67.8	360° Rated Load (lbs)  30,300 * 29,700 * 29,200 * 28,700 * 27,300 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 *	Ree	ves	2	Ree	ves	2	_		
Load Radius (ft)  32.0 34.0 36.0 38.0 40.0 42.0 44.0 55.0 60.0 65.0 75.0 80.0	81.6 81.0 80.4 79.8 79.2 78.6 77.4 76.1 74.5 73.0 71.4 69.8 68.2 66.5	360° Rated Load (lbs)  34,400 * 33,800 * 33,300 * 32,700 * 31,700 * 31,100 * 30,600 * 29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900 18,000	20 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 50.0 55.0 60.0 65.0 75.0 80.0 85.0	81.5 80.9 80.3 79.7 79.1 78.6 76.8 75.3 73.8 72.4 76.9 69.3 67.8 66.2	360° Rated Load (lbs)  30,300 * 29,700 * 29,200 * 28,700 * 27,700 * 27,300 * 26,800 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 *	Ree	ves	2	Ree	ves	2	_		
Load Radius (ft)  32.0 34.0 36.0 38.0 40.0 42.0 44.0 55.0 60.0 65.0 70.0 80.0 85.0 90.0	81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2	360° Rated Load (lbs)  34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 30,100 * 29,600 * 24,000 * 24,000 * 21,800 19,900 16,400 15,000	Load Radius (ft)  34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0 55.0 60.0 70.0 75.0 80.0 90.0 95.0	81.5 80.9 80.3 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	360° Rated Load (lbs)  30,300 * 29,700 * 29,200 * 28,200 * 27,700 * 27,300 * 26,300 * 24,900 * 23,200 * 21,500 * 18,500 * 17,100 * 15,900 * 14,700 13,500	Ree	ves	2	Ree	ves	2	_		
Load Radius (ft)  32.0 34.0 36.0 38.0 40.0 42.0 44.0 55.0 60.0 65.0 75.0 80.0 85.0	81.6 81.0 81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5	360° Rated Load (lbs)  34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 30,600 * 30,100 * 29,600 * 28,100 * 24,000 * 21,800 19,900 18,000 15,000 13,900	Load Radius (ft)  34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	81.5 80.9 80.3 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	360° Rated Load (lbs)  30,300 * 29,700 * 29,200 * 28,200 * 27,700 * 26,300 * 24,900 * 23,200 * 21,500 * 15,900 * 15,900 * 14,700	Ree	ves	2	Ree	ves	2	_		
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 44.0 48.0 50.0 65.0 75.0 85.0 90.0 90.0 110.0	81.6 81.0 80.4 79.8 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	360° Rated Load (lbs)  34,400 * 33,800 * 33,300 * 32,700 * 31,700 * 31,100 * 30,600 * 29,600 * 24,000 * 24,000 * 21,800 19,900 18,000 15,000 13,900 11,000	20 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 50.0 55.0 60.0 65.0 75.0 80.0 90.0 95.0 100.0 110.0 120.0	81.5 80.9 80.3 79.7 79.1 78.6 75.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1 54.6	360° Rated Load (lbs)  30,300 * 29,700 * 29,200 * 28,700 * 27,300 * 26,800 * 24,900 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 * 14,700 13,500 12,400 10,600 9,200	Ree	ves	2	Ree	ves	2	_		
Load Radius (ft)  32.0 34.0 36.0 38.0 40.0 42.0 44.0 55.0 65.0 65.0 70.0 85.0 90.0 95.0 100.0 120.0 130.0	81.6 81.0 81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5 59.7	360° Rated Load (lbs)  34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 31,100 * 30,600 * 29,600 * 24,000 * 24,000 * 24,000 * 24,000 * 21,800 19,900 18,000 15,000 13,900 12,900	20 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 50.0 55.0 60.0 65.0 70.0 75.0 90.0 90.0 100.0 110.0 130.0 140.0	80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8 75.3 72.4 70.9 69.3 66.2 64.6 63.0 61.4 58.1	360° Rated Load (lbs)  30,300 * 29,700 * 29,200 * 28,700 * 27,700 * 27,300 * 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	Ree	ves	2	Ree	ves	2	_		
Load Radius (ft)  32.0 34.0 36.0 38.0 40.0 42.0 44.0 55.0 65.0 75.0 85.0 90.0 95.0 100.0 120.0 130.0 140.0	81.6 81.0 80.4 79.8 79.2 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 48.5 44.3	360° Rated Load (lbs)  34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 30,600 * 29,600 * 28,100 * 26,200 * 24,000 * 24,000 * 24,000 * 21,900 15,000 13,900 12,900 11,000 9,400 8,200 7,200	20 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 50.0 55.0 60.0 65.0 70.0 75.0 90.0 90.0 100.0 110.0 130.0 140.0 150.0	81.5 80.9 80.3 79.7 79.1 78.0 77.4 76.8 75.3 73.8 72.4 70.9 69.3 61.4 54.6 63.0 61.4 54.6 51.1 47.2 43.1	360° Rated Load (lbs)  30,300 * 29,700 * 29,200 * 28,700 * 27,300 * 26,300 * 24,900 * 23,200 * 21,500 * 17,100 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800 6,500 5,200 *	Ree	ves	2	Ree	ves	2	_		
Load Radius (ft)  32.0 34.0 36.0 38.0 40.0 42.0 44.0 55.0 65.0 65.0 70.0 85.0 90.0 95.0 100.0 120.0 130.0	81.6 81.0 80.4 79.8 79.6 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 48.5	360° Rated Load (lbs)  34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 31,100 * 29,600 * 28,100 * 26,200 * 24,000 * 24,000 * 24,000 * 21,800 16,400 15,000 13,900 12,900 11,000 9,400 8,200	20 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 50.0 55.0 60.0 65.0 70.0 75.0 90.0 90.0 100.0 110.0 130.0 140.0	81.5 80.9 81.5 80.9 80.3 79.7 79.1 76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1 47.2	360° Rated Load (lbs)  30,300 * 29,700 * 29,200 * 28,700 * 27,700 * 27,300 * 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	Ree	ves	2	Ree	ves	2	_		

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

	80	' Boor	n																				
			ft Jib					401	ft Jib					50 f	t Jib					601	ft <b>J</b> ib		
	(	O set Ar		leg.)			(	O set Ar		leg.)			(	) set An		eg.)			(	O set Ar		eg.)	
	10	)	Ĭ	30			10		Ĭ	30			10		Ĭ	30			10		Ī	30	
Load Radius	Boom Angle	Rated Load (lbs)	Load Radius		Rated Load	Load Radius		Rated Load	Load Radius		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) 30.0	(deg.) 79.3	24,000*	(ft)	(deg.)	(lbs)	(ft) 34.0	(deg.) 79.3	(lbs) 24,000*	(ft)	(deg.)	(lbs)	(ft) 38.0	(deg.) 79.3	(lbs) 20,000*	(ft)	(deg.)	(lbs)	(ft) 40.0	(deg.) 79.8	(lbs) 18,000*	(ft)	(deg.)	(lbs)
32.0	78.0	24,000*				36.0	78.3	24,000*				40.0	78.4	20,000*				45.0	77.7	18,000*			
34.0	77.0	24,000*				38.0	77.4	24,000*				45.0	76.1	20,000*				50.0	75.6	17,850*			
36.0	75.9	24,000*				40.0	76.4	24,000*				50.0	73.8	20,000*				55.0	73.3	16,180*			
38.0	74.9 <b>73.8</b>	24,000* <b>24,000</b> *	38.0	79.6 <b>78.5</b>	21,000* <b>21,000</b> *	45.0 <b>50.0</b>	73.9	24,000* <b>24,000</b> *	45.0 <b>50.0</b>	79.7 <b>77.1</b>	15,360* <b>14,480</b> *	55.0 <b>60.0</b>	71.3 <b>68.9</b>	18,560*	55.0 <b>60.0</b>	78.0 <b>75.5</b>	11,080* <b>10,490</b> *	60.0	71.2 <b>69.0</b>	14,850*	60.0 <b>65.0</b>	78.7 <b>76.4</b>	8,950* <b>8,480</b> *
<b>40.0</b> 45.0	73. <b>o</b> 71.1	24,000*	<b>40.0</b> 45.0	75.7	20,700*	55.0	<b>71.4</b> 68.7	22,480*	55.0	74.3	13,640*	65.0	66.5	<b>17,080</b> * 15,800*	65.0	73.0	9,980*	<b>65.0</b> 70.0	66.7	<b>13,730*</b> 12,760*	70.0	7 <b>4.</b> 1	8,060*
50.0	68.3	24,000*	50.0	72.8	19,510*	60.0	66.1	20,700*	60.0	71.6	12,980*	70.0	64.0	14,720*	70.0	70.4	9,540*	75.0	64.3	11,860*	75.0	71.5	7,670*
55.0	65.3	24,000*	55.0	69.7	18,380*	65.0	63.4	19,180*	65.0	68.8	12,360*	75.0	61.3	13,710*	75.0	67.6	9,100*	80.0	61.9	11,130*	80.0	69.0	7,340*
60.0	62.4	24,000*	60.0	66.7	17,500*	70.0	60.6	17,870*	70.0	65.9	11,830*	80.0	58.7	12,870*	80.0	64.8	8,730*	85.0	59.5	10,470*	85.0	66.5	7,030*
65.0 <b>70.0</b>	59.3 <b>56.2</b>	22,920 <b>20,810</b>	65.0 <b>70.0</b>	63.6 <b>60.3</b>	16,710* <b>16,020</b> *	75.0 <b>80.0</b>	57.6 <b>54.6</b>	16,660* <b>15,670</b> *	75.0 <b>80.0</b>	62.7 <b>59.6</b>	11,350* <b>10,930</b> *	85.0 <b>90.0</b>	56.0 <b>53.2</b>	12,140* <b>11,500</b> *	85.0 <b>90.0</b>	62.0 <b>59.0</b>	8,420* <b>8,130</b> *	90.0 <b>95.0</b>	57.0 <b>54.2</b>	9,870* <b>9,320</b> *	90.0 <b>95.0</b>	63.9 <b>60.9</b>	6,760* <b>6,500</b> *
75.0	52.8	18,910	75.0	56.7	15,380*	85.0	51.5	14,810*	85.0	56.3	10,560*	95.0	50.0	10,890*	95.0	55.6	7,840*	100.0	51.5	8,860*	100.0	58.1	6,280*
80.0	49.3	17,370	80.0	53.1	14,850*	90.0	48.3	14,040*	90.0	52.9	10,250*	100.0	46.9	10,360*	100.0	52.3	7,620*	105.0	48.7	8,440*	105.0	55.0	6,100*
85.0	45.7	16,020				95.0	44.6	13,310*				105.0	43.6	9,890*				110.0	45.7	8,060*	110.0	51.8	5,930*
90.0	41.8	14,850				100.0	40.8	<b>12,690</b> *				110.0	40.0	9,470*				115.0	42.3	7,690*			
95.0 <b>100.0</b>	37.2 <b>32.4</b>	13,750 <b>12,830</b>				105.0 <b>110.0</b>	36.7 <b>32.1</b>	12,120 <b>11,350</b> *				115.0	35.8	9,080*				120.0 <b>125.0</b>	38.8 <b>35.1</b>	7,380* <b>7,120</b> *			
		,						11,000				1./								1,1_0			
									4									<b>.</b>					
Ree	ves	1	Rec	eves	1	Rec	eves	1	Rec	eves	1	Ree	ves	1	Ree	ves	1	Rec	ves	1	Ree	ves	1
	വ																						
	90	' Boor																					
		30 i	ft <b>J</b> ib	log \					ft Jib	log \					ft Jib	log l					ft <b>Ji</b> b	og )	
	(	30 i O set Ar	ft <b>J</b> ib	<u> </u>				O set An		<u> </u>			-	) set An		<u> </u>				O set Ar		<u> </u>	
Load	10 Boom	30 i O set Ar Rated	ft Jib ngle (a Load	30 Boom	Rated	Load	10 Boom	O set An	ngle (d	30 Boom	Rated	Load	10 Boom	Set An	gle (d	30 Boom	Rated	Load	10 Boom	O set Ar	ngle (d	30 Boom	Rated
Load Radius (ft)	10	30 i O set Ar	ft Jib ngle (a	30 Boom		Load Padius (ft)	Boom Angle	O set An	ngle (d	30 Boom Angle		Load Radius (ft)	10 Boom Angle	O set An	gle (d	30	Rated Load (lbs)	Load Radius (ft)	10 Boom Angle	O set Ar	ngle (d	30	
<b>Padius</b>	10 Boom Angle	30 i O set Ar Rated Load	ft Jib ngle (a Load Radius	30 Boom Angle	Rated Load	Radius	10 Boom	Rated Load	Load Radius	30 Boom	Rated Load	Radius	10 Boom	Rated Load	Igle (d Load Radius	30 Boom Angle	Load	Radius	10 Boom	Set Ar	ngle (d Load Radius	30 Boom Angle	Rated Load
Radius (ft) 32.0 <b>34.0</b>	79.1 78.1	30 i O set Ar Pated Load (lbs) 24,000* 24,000*	ft Jib ngle (a Load Radius	30 Boom Angle	Rated Load	Radius (ft) 36.0 38.0	10 Boom Angle (deg.) 79.3 78.4	Rated Load (lbs) 24,000*	Load Radius	30 Boom Angle	Rated Load	Radius (ft) 38.0 <b>40.0</b>	80.0 79.2	Rated Load (lbs) 20,000*	Igle (d Load Radius	30 Boom Angle	Load	### Radius (ft) 45.0 <b>50.0</b>	10 Boom Angle (deg.) 78.6 <b>76.6</b>	Rated Load (lbs) 18,000* 18,000*	ngle (d Load Radius	30 Boom Angle	Rated Load
### Radius (ft) 32.0 34.0 36.0	79.1 77.1	30 is 30 is 30 set Ar 30 set Ar 30 is 30 is 30 is 30 set Ar 30 is 30 set Ar	ft Jib ngle (a Load Radius	30 Boom Angle	Rated Load	Radius (ft) 36.0 38.0 40.0	79.3 78.4 77.5	Rated Load (lbs) 24,000* 24,000*	Load Radius	30 Boom Angle	Rated Load	Radius (ft) 38.0 40.0 45.0	10 Boom Angle (deg.) 80.0 <b>79.2</b> 77.1	Rated Load (lbs) 20,000* 20,000*	Igle (d Load Radius	30 Boom Angle	Load	### Radius (ft) 45.0	76.6 74.5	Rated Load (lbs) 18,000* 18,000* 16,970*	Load Radius (ft)	30 Boom Angle (deg.)	Pated Load (lbs)
784.0 32.0 34.0 36.0 38.0	79.1 78.1 76.2	30 is 00 set Ar 10 lead (lbs) 24,000* 24,000* 24,000* 24,000*	ngle (a Load Radius (ft)	30 Boom Angle (deg.)	Rated Load (lbs)	784000 36.0 38.0 40.0 45.0	79.3 78.4 77.5 75.2	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000*	Load Radius (ft)	30 Boom Angle (deg.)	Rated Load (lbs)	78 Adius (ft) 38.0 40.0 45.0 50.0	Boom Angle (deg.) 80.0 79.2 77.1 75.0	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000*	Load Radius (ft)	30 Boom Angle (deg.)	Load (lbs)	### Adjus (ft) 45.0	78.6 76.6 72.5	Rated Load (lbs) 18,000* 18,000* 16,970* 15,630*	Load Radius (ft)	30 Boom Angle (deg.)	Rated Load (lbs)
### Radius (ft) 32.0 34.0 36.0	79.1 77.1	30 is 30 is 30 set Ar 30 set Ar 30 is 30 is 30 is 30 set Ar 30 is 30 set Ar	ft Jib ngle (a Load Radius	30 Boom Angle	Rated Load	Radius (ft) 36.0 38.0 40.0	79.3 78.4 77.5 75.2 72.9	Rated Load (lbs) 24,000* 24,000*	Load Radius	30 Boom Angle	Rated Load	Radius (ft) 38.0 40.0 45.0	10 Boom Angle (deg.) 80.0 <b>79.2</b> 77.1	Rated Load (lbs) 20,000* 20,000*	Igle (d Load Radius	30 Boom Angle (deg.)	Load	### Radius (ft) 45.0	76.6 74.5	Rated Load (lbs) 18,000* 18,000* 16,970*	Load Radius (ft)	30 Boom Angle (deg.)	Pated Load (lbs)
Radius (ft) 32.0 34.0 36.0 38.0 40.0 45.0 50.0	79.1 78.1 77.1 76.2 75.2 70.2	30 in Set Ar	Load Radius (ft)  40.0 45.0	30 Boom Angle (deg.) 79.5 77.0 74.4	21,000* 21,000* 20,100*	Radius (ft) 36.0 38.0 40.0 45.0 50.0 60.0	79.3 78.4 77.5 75.2 72.9 70.4 68.1	Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,000* 22,020*	Load Radius (ft)  50.0 55.0 60.0	30 Boom Angle (deg.) 78.2 75.6 73.2	Pated Load (lbs)  14,810* 14,020* 13,330*	Radius (ft) 38.0 40.0 45.0 55.0 60.0 65.0	80.0 79.2 77.1 75.0 72.7 70.5 68.3	Pated Load (lbs)  20,000* 20,000* 20,000* 19,550* 18,000* 16,730*	Load Radius (ft)  55.0 60.0 65.0	30 Boom Angle (deg.) 78.9 76.7 74.4	11,300* 10,730* 10,250*	### Radius (ft) 45.0	78.6 76.6 74.5 70.5 68.4 66.1	Pated Load (lbs)  18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520*	Load Radius (ft)  60.0 65.0 70.0 75.0	30 Boom Angle (deg.) 79.5 77.4 75.3 72.9	9,100* 8,660* 8,240* 7,870*
Radius (ft) 32.0 34.0 36.0 38.0 40.0 45.0 50.0	79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5	30 i O set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	Load Radius (ft)  40.0 45.0 55.0	30 Boom Angle (deg.) 79.5 77.0 74.4 71.6	21,000* 21,000* 21,000* 20,100* 19,020*	Radius (ft) 36.0 38.0 40.0 45.0 50.0 60.0 65.0	79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6	Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 23,890* 22,020* 20,410*	Load Radius (ft) 50.0 55.0 60.0 65.0	78.2 75.6 73.2 70.7	14,810* 14,020* 13,330* 12,760*	Radius (ft) 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0	## 10 Boom Angle (deg.)  80.0  79.2  77.1  75.0  72.7  70.5  68.3  66.1	Pated Load (lbs)  20,000* 20,000* 20,000* 19,550* 18,000* 16,730* 15,580*	Load Radius (ft)  55.0 60.0 65.0 70.0	78.9 74.4 72.0	11,300* 10,730* 10,250* 9,780*	### Radius (ft) 45.0	78.6 76.6 74.5 70.5 68.4 66.1 64.0	Pated Load (lbs)  18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770*	Load Radius (ft)  60.0 65.0 70.0 75.0 80.0	30 Boom Angle (deg.) 79.5 77.4 75.3 72.9 70.7	9,100* 8,660* 8,240* 7,870* 7,530*
32.0 34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0	79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9	30 i O set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	Load Radius (ft)  40.0 45.0 50.0 60.0	300 Boom Angle (deg.) 79.5 77.0 74.4 71.6 68.9	21,000* 21,000* 20,100* 19,020* 18,120*	Radius (ft)  36.0  38.0  40.0  45.0  50.0  65.0  70.0	79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040*	50.0 55.0 60.0 65.0 70.0	30 Boom Angle (deg.) 78.2 75.6 73.2 70.7 68.1	Pated Load (lbs)  14,810* 14,020* 13,330* 12,760* 12,230*	8.0 40.0 45.0 55.0 60.0 75.0 75.0	### To Provide the Control of the Co	Rated Load (lbs)  20,000* 20,000* 20,000* 20,000* 19,550* 18,000* 16,730* 14,520*	Load Radius (ft)  55.0 60.0 65.0 70.0	78.9 76.7 74.4 72.0 69.5	11,300* 10,730* 10,250* 9,780* 9,360*	### Radius (ft)   45.0   50.0   55.0   60.0   65.0   70.0   75.0   80.0   85.0	76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8	Rated Load (lbs) 18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770* 11,080*	60.0 65.0 70.0 85.0 85.0	30 Boom Angle (deg.) 79.5 77.4 75.3 72.9 70.7 68.4	9,100* 8,660* 8,240* 7,870* 7,230*
Radius (ft) 32.0 34.0 36.0 38.0 40.0 45.0 50.0	79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5	30 i O set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	Load Radius (ft)  40.0 45.0 55.0	30 Boom Angle (deg.) 79.5 77.0 74.4 71.6	21,000* 21,000* 21,000* 20,100* 19,020*	Radius (ft) 36.0 38.0 40.0 45.0 50.0 60.0 65.0	79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2	Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 23,890* 22,020* 20,410*	Load Radius (ft) 50.0 55.0 60.0 65.0	78.2 75.6 73.2 70.7	14,810* 14,020* 13,330* 12,760*	Radius (ft) 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0	## 10 Boom Angle (deg.)  80.0  79.2  77.1  75.0  72.7  70.5  68.3  66.1	Pated Load (lbs)  20,000* 20,000* 20,000* 19,550* 18,000* 16,730* 15,580*	Load Radius (ft)  55.0 60.0 65.0 70.0	78.9 74.4 72.0	11,300* 10,730* 10,250* 9,780*	### Radius (ft) 45.0	78.6 76.6 74.5 70.5 68.4 66.1 64.0	Pated Load (lbs)  18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770*	Load Radius (ft)  60.0 65.0 70.0 75.0 80.0	30 Boom Angle (deg.) 79.5 77.4 75.3 72.9 70.7	9,100* 8,660* 8,240* 7,870* 7,530*
<b>Radius</b> (ft) 32.0 34.0 36.0 40.0 45.0 50.0 60.0 65.0	79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2	30 i O set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	Load Radius (ft)  40.0 45.0 55.0 60.0 65.0	30 Boom Angle (deg.) 79.5 77.0 74.4 71.6 68.9 66.1	21,000* 21,000* 21,000* 20,100* 19,020* 18,120* 17,320*	Radius (ft)  36.0  38.0  40.0  45.0  50.0  65.0  70.0  75.0	79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 57.8	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040* 17,760* 16,730* 15,800*	50.0 55.0 60.0 70.0 75.0	78.2 75.6 73.2 70.7 68.1 65.3	14,810* 14,020* 13,330* 12,760* 11,720* 11,300* 10,930*	Radius (ft) 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0	70 Boom Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3	Rated Load (lbs)  20,000* 20,000* 20,000* 20,000* 19,550* 18,000* 15,580* 14,520* 13,660*	55.0 60.0 65.0 70.0 75.0	30 Boom Angle (deg.) 78.9 76.7 74.4 72.0 69.5 67.0	11,300* 10,730* 10,250* 9,780* 9,360* 8,990*	### Radius (ft)   45.0   50.0   55.0   60.0   65.0   70.0   75.0   80.0   85.0   90.0	76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5	Rated Load (lbs)  18,000* 18,000* 16,970* 15,630* 14,460* 12,520* 11,770* 11,080* 10,470*	60.0 65.0 70.0 85.0 90.0	30 Boom Angle (deg.) 79.5 77.4 75.3 72.9 70.7 68.4 66.0	9,100* 8,660* 8,240* 7,870* 7,530* 6,960*
32.0 34.0 36.0 38.0 40.0 45.0 50.0 60.0 70.0 75.0 80.0	79.1 78.1 77.1 76.2 75.2 70.2 67.5 64.9 62.2 59.4 56.4 53.5	30 i O set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000*	40.0 45.0 45.0 60.0 65.0 70.0 80.0	79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	21,000* 21,000* 21,000* 20,100* 19,020* 18,120* 16,620* 15,960* 15,430*	Radius (ft) 36.0 38.0 40.0 45.0 50.0 65.0 60.0 70.0 75.0 80.0 85.0 90.0	79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 57.8 55.1 52.3	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040* 17,760* 16,730* 15,800* 14,740	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	Rated Load (lbs)  14,810* 14,020* 13,330* 12,760* 11,220* 11,300* 10,930* 10,580*	Radius (ft) 38.0 40.0 45.0 50.0 55.0 60.0 75.0 80.0 85.0 90.0	70.5 68.3 66.1 63.6 66.3 58.8 53.6	Rated Load (lbs)  20,000* 20,000* 20,000* 20,000* 19,550* 16,730* 15,580* 14,520* 13,660* 12,890* 11,570*	55.0 60.0 65.0 70.0 85.0 90.0 95.0	78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9	11,300* 10,730* 10,250* 9,780* 9,360* 8,990* 8,680* 8,370* 8,110*	### Radius (ft)   45.0   50.0   55.0   60.0   65.0   75.0   80.0   85.0   90.0   95.0   100.0   105.0	78.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7	Rated Load (lbs)  18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770* 11,080* 10,470* 9,890* 9,390* 8,950*	60.0 65.0 70.0 85.0 90.0 95.0 100.0 105.0	30 Boom Angle (deg.) 79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3	9,100* 8,660* 8,240* 7,870* 7,230* 6,960* 6,700* 6,480* 6,280*
32.0 34.0 36.0 38.0 40.0 45.0 50.0 60.0 65.0 70.0 80.0 85.0	79.1 76.2 75.2 75.2 76.4 76.4 76.4 76.4 76.2 76.5 64.9 62.2 59.4 56.4 53.5 50.4	30 i O set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000*	40.0 45.0 50.0 60.0 65.0 70.0	30 Boom Angle (deg.) 79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2	21,000* 21,000* 21,000* 20,100* 19,020* 18,120* 16,620* 15,960*	Radius (ft) 36.0 38.0 40.0 45.0 50.0 55.0 60.0 70.0 75.0 80.0 90.0 95.0	79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 57.8 55.1 52.3 49.1	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040* 17,760* 16,730* 15,800* 14,740 13,620	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7	14,810* 14,020* 13,330* 12,760* 11,720* 11,300* 10,930*	Radius (ft) 38.0 40.0 45.0 50.0 65.0 65.0 70.0 75.0 80.0 95.0 100.0	100 Boom Angle (deg.) 80.0 79.2 77.1 75.0 68.3 66.1 63.6 61.3 58.8 55.3 53.6 50.9	Rated Load (lbs)  20,000* 20,000* 20,000* 20,000* 19,550* 16,730* 15,580* 14,520* 13,660* 12,890* 11,570* 11,020*	Load   Radius (ft)	78.9 76.7 74.4 72.0 69.5 61.8 58.9 56.1	11,300* 10,730* 10,250* 9,780* 9,360* 8,990* 8,680* 8,370* 8,110* 7,870*	### Redius (ft)   45.0   50.0   55.0   60.0   65.0   70.0   85.0   90.0   95.0   100.0   110.0	78.6 76.6 74.5 70.5 68.4 66.1 64.0 57.1 52.2 49.6	Rated Load (lbs)  18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 11,770* 11,080* 10,470* 9,890* 9,390* 8,950* 8,550*	60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0 110.0	79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5	9,100* 8,660* 8,240* 7,870* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100*
32.0 34.0 36.0 38.0 40.0 45.0 50.0 65.0 70.0 75.0 80.0 85.0 90.0	79.1 76.2 75.2 70.2 67.5 64.9 62.2 59.4 47.1	30 i O set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 18,620 17,080 15,760 14,570	40.0 45.0 45.0 60.0 65.0 70.0 80.0	79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	21,000* 21,000* 21,000* 20,100* 19,020* 18,120* 16,620* 15,960* 15,430*	Radius (ft) 36.0 38.0 40.0 45.0 50.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0	79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 57.8 55.1 52.3 49.1 46.0	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040* 17,760* 16,730* 15,800* 14,740 13,620 12,690	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	Rated Load (lbs)  14,810* 14,020* 13,330* 12,760* 11,220* 11,300* 10,930* 10,580*	Radius (ft) 38.0 40.0 45.0 50.0 65.0 65.0 70.0 85.0 90.0 95.0 100.0	70.5 68.3 66.1 63.6 50.9 48.0	Rated Load (lbs)  20,000* 20,000* 20,000* 20,000* 19,550* 18,000* 15,580* 14,520* 13,660* 12,890* 11,570* 11,020* 10,530*	55.0 60.0 65.0 70.0 85.0 90.0 95.0	78.9 76.7 74.4 72.0 69.5 61.8 58.9 56.1	11,300* 10,730* 10,250* 9,780* 9,360* 8,990* 8,680* 8,370* 8,110*	### Radius (ft)   45.0   50.0   55.0   60.0   65.0   70.0   85.0   90.0   95.0   100.0   115.0   115.0	76.6 74.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7	Rated Load (lbs)  18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770* 11,080* 10,470* 9,890* 9,390* 8,950* 8,550* 8,150*	60.0 65.0 70.0 85.0 90.0 95.0 100.0 105.0	30 Boom Angle (deg.) 79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3	9,100* 8,660* 8,240* 7,870* 7,230* 6,960* 6,700* 6,480* 6,280*
32.0 34.0 36.0 38.0 40.0 45.0 50.0 60.0 65.0 70.0 80.0 85.0	79.1 76.2 75.2 75.2 76.4 76.4 76.4 76.4 76.2 76.5 64.9 62.2 59.4 56.4 53.5 50.4	30 i O set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000*	40.0 45.0 45.0 60.0 65.0 70.0 80.0	79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	21,000* 21,000* 21,000* 20,100* 19,020* 18,120* 16,620* 15,960* 15,430*	Radius (ft) 36.0 38.0 40.0 45.0 50.0 55.0 60.0 70.0 75.0 80.0 90.0 95.0	79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 57.8 55.1 52.3 49.1 46.0	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040* 17,760* 16,730* 15,800* 14,740 13,620	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	Rated Load (lbs)  14,810* 14,020* 13,330* 12,760* 11,220* 11,300* 10,930* 10,580*	Radius (ft) 38.0 40.0 45.0 50.0 65.0 65.0 70.0 75.0 80.0 95.0 100.0	100 Boom Angle (deg.) 80.0 79.2 77.1 75.0 68.3 66.1 63.6 61.3 58.8 55.3 53.6 50.9	Rated Load (lbs)  20,000* 20,000* 20,000* 20,000* 19,550* 16,730* 15,580* 14,520* 13,660* 12,890* 11,570* 11,020*	Load   Radius (ft)	78.9 76.7 74.4 72.0 69.5 61.8 58.9 56.1	11,300* 10,730* 10,250* 9,780* 9,360* 8,990* 8,680* 8,370* 8,110* 7,870*	### Redius (ft)   45.0   50.0   55.0   60.0   65.0   70.0   85.0   90.0   95.0   100.0   110.0	78.6 76.6 74.5 70.5 68.4 66.1 64.0 57.1 52.2 49.6	Rated Load (lbs)  18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 11,770* 11,080* 10,470* 9,890* 9,390* 8,950* 8,550*	60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0 110.0	79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5	9,100* 8,660* 8,240* 7,870* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100*
Radius (ft) 32.0 34.0 36.0 38.0 40.0 45.0 50.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	79.1 76.2 75.2 70.2 67.5 64.9 62.2 59.4 47.1 43.4	30 i O set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 18,620 17,080 15,760 14,570 13,470	40.0 45.0 45.0 60.0 65.0 70.0 80.0	79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	21,000* 21,000* 21,000* 20,100* 19,020* 18,120* 16,620* 15,960* 15,430*	Radius (ft) 36.0 38.0 40.0 45.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	79.3 78.4 77.5 75.2 70.4 68.1 66.6 63.2 60.4 57.8 55.1 52.3 49.1 46.0 42.7 39.1	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040* 17,760* 16,730* 15,800* 14,740 13,620 12,690 11,860	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	Rated Load (lbs)  14,810* 14,020* 13,330* 12,760* 11,220* 11,300* 10,930* 10,580*	Radius (ft)  38.0  40.0  45.0  55.0  60.0  75.0  80.0  95.0  100.0  110.0  115.0  120.0	70.5 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0 45.1 41.7 38.2	Rated Load (lbs)  20,000* 20,000* 20,000* 20,000* 19,550* 18,000* 15,580* 14,520* 12,210* 11,570* 11,020* 10,530* 10,070* 9,650* 9,300*	Load   Radius (ft)	78.9 76.7 74.4 72.0 69.5 61.8 58.9 56.1	11,300* 10,730* 10,250* 9,780* 9,360* 8,990* 8,680* 8,370* 8,110* 7,870*	Padius (t) 45.0 45.0 55.0 60.0 65.0 65.0 77.0 80.0 85.0 90.0 105.0 115.0 125.0 125.0 130.0	76.6 76.6 74.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7 43.8 40.7	Rated Load (lbs)  18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770* 11,080* 10,470* 9,890* 9,390* 8,950* 8,550* 8,150* 7,820* 7,530* 7,270*	60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0 110.0	79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5	9,100* 8,660* 8,240* 7,870* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100*
Radius (ft) 32.0 34.0 36.0 38.0 40.0 45.0 50.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	79.1 76.2 75.2 70.2 67.5 64.9 62.2 59.4 47.1 43.4 39.7	30 i O set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 15,760 14,570 13,470 12,540	40.0 45.0 45.0 60.0 65.0 70.0 80.0	79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	21,000* 21,000* 21,000* 20,100* 19,020* 18,120* 16,620* 15,960* 15,430*	Padius (ti) 36.0 (1) 38.0 (40.0 (45.0 (1) 55.0 (60.0 (65.0 (70.0 (85.0 (90.0 (95.0 (1)) 100.0 (105.0 (1)) 110.0 (1)	79.3 78.4 77.5 75.2 70.4 68.1 66.6 63.2 60.4 57.8 55.1 52.3 49.1 46.0 42.7 39.1	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040* 17,760* 16,730* 15,800* 14,740 13,620 12,690 11,860 11,080	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	Rated Load (lbs)  14,810* 14,020* 13,330* 12,760* 11,220* 11,300* 10,930* 10,580*	Redius (ft)  38.0  40.0  45.0  55.0  60.0  75.0  80.0  95.0  100.0  110.0  115.0	70.5 66.1 63.6 61.3 58.8 50.9 48.0 45.1 41.7	Rated Load (lbs)  20,000* 20,000* 20,000* 20,000* 19,550* 18,000* 15,580* 14,520* 13,660* 12,890* 11,570* 11,020* 10,530* 10,070* 9,650*	Load   Radius (ft)	78.9 76.7 74.4 72.0 69.5 61.8 58.9 56.1	11,300* 10,730* 10,250* 9,780* 9,360* 8,990* 8,680* 8,370* 8,110* 7,870*	Padius (tt) 45.0.0 55.0.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 120.0 125.0	76.6 76.6 74.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7 43.8 40.7	Rated Load (lbs)  18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770* 11,080* 10,470* 9,890* 9,390* 8,950* 8,550* 8,150* 7,820* 7,530*	60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0	79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5	9,100* 8,660* 8,240* 7,870* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100*
Radius (ft) 32.0 34.0 36.0 38.0 40.0 45.0 50.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	79.1 76.2 75.2 70.2 67.5 64.9 62.2 59.4 47.1 43.4 39.7	30 i O set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 15,760 14,570 13,470 12,540	40.0 45.0 45.0 60.0 65.0 70.0 80.0	79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	21,000* 21,000* 21,000* 20,100* 19,020* 18,120* 16,620* 15,960* 15,430*	Padius (ti) 36.0 (1) 38.0 (40.0 (45.0 (1) 55.0 (60.0 (65.0 (70.0 (85.0 (90.0 (95.0 (1)) 100.0 (105.0 (1)) 110.0 (1)	79.3 78.4 77.5 75.2 70.4 68.1 66.6 63.2 60.4 57.8 55.1 52.3 49.1 46.0 42.7 39.1	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040* 17,760* 16,730* 15,800* 14,740 13,620 12,690 11,860 11,080	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	Rated Load (lbs)  14,810* 14,020* 13,330* 12,760* 11,220* 11,300* 10,930* 10,580*	Radius (ft)  38.0  40.0  45.0  55.0  60.0  75.0  80.0  95.0  100.0  110.0  115.0  120.0	70.5 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0 45.1 41.7 38.2	Rated Load (lbs)  20,000* 20,000* 20,000* 20,000* 19,550* 18,000* 15,580* 14,520* 12,210* 11,570* 11,020* 10,530* 10,070* 9,650* 9,300*	Load   Radius (ft)	78.9 76.7 74.4 72.0 69.5 61.8 58.9 56.1	11,300* 10,730* 10,250* 9,780* 9,360* 8,990* 8,680* 8,370* 8,110* 7,870*	Padius (t) 45.0 45.0 55.0 60.0 65.0 65.0 77.0 80.0 85.0 90.0 105.0 115.0 125.0 125.0 130.0	76.6 76.6 74.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7 43.8 40.7	Rated Load (lbs)  18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770* 11,080* 10,470* 9,890* 9,390* 8,950* 8,550* 8,150* 7,820* 7,530* 7,270*	60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0	79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5	9,100* 8,660* 8,240* 7,870* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100*
Radius (ft) 32.0 34.0 36.0 38.0 40.0 45.0 50.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	79.1 76.2 75.2 70.2 67.5 64.9 62.2 59.4 47.1 43.4 39.7	30 i O set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 15,760 14,570 13,470 12,540	40.0 45.0 45.0 60.0 65.0 70.0 80.0	79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	21,000* 21,000* 21,000* 20,100* 19,020* 18,120* 16,620* 15,960* 15,430*	Padius (ti) 36.0 (1) 38.0 (40.0 (45.0 (1) 55.0 (60.0 (65.0 (70.0 (85.0 (90.0 (95.0 (1)) 100.0 (105.0 (1)) 110.0 (1)	79.3 78.4 77.5 75.2 70.4 68.1 66.6 63.2 60.4 57.8 55.1 52.3 49.1 46.0 42.7 39.1	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040* 17,760* 16,730* 15,800* 14,740 13,620 12,690 11,860 11,080	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	Rated Load (lbs)  14,810* 14,020* 13,330* 12,760* 11,220* 11,300* 10,930* 10,580*	Radius (ft)  38.0  40.0  45.0  55.0  60.0  75.0  80.0  95.0  100.0  110.0  115.0  120.0	70.5 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0 45.1 41.7 38.2	Rated Load (lbs)  20,000* 20,000* 20,000* 20,000* 19,550* 18,000* 15,580* 14,520* 12,210* 11,570* 11,020* 10,530* 10,070* 9,650* 9,300*	Load   Radius (ft)	78.9 76.7 74.4 72.0 69.5 61.8 58.9 56.1	11,300* 10,730* 10,250* 9,780* 9,360* 8,990* 8,680* 8,370* 8,110* 7,870*	Padius (t) 45.0 45.0 55.0 60.0 65.0 65.0 77.0 80.0 85.0 90.0 105.0 115.0 125.0 125.0 130.0	76.6 76.6 74.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7 43.8 40.7	Rated Load (lbs)  18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770* 11,080* 10,470* 9,890* 9,390* 8,950* 8,550* 8,150* 7,820* 7,530* 7,270*	60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0	79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5	9,100* 8,660* 8,240* 7,870* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100*
Radius (ft) 32.0 34.0 36.0 38.0 40.0 45.0 50.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	79.1 76.2 75.2 70.2 67.5 64.9 62.2 59.4 47.1 43.4 39.7	30 i O set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 15,760 14,570 13,470 12,540	40.0 45.0 45.0 60.0 65.0 70.0 80.0	79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	21,000* 21,000* 21,000* 20,100* 19,020* 18,120* 16,620* 15,960* 15,430*	Padius (ti) 36.0 (1) 38.0 (40.0 (45.0 (1) 55.0 (60.0 (65.0 (70.0 (85.0 (90.0 (95.0 (1)) 100.0 (105.0 (1)) 110.0 (1)	79.3 78.4 77.5 75.2 70.4 68.1 66.6 63.2 60.4 57.8 55.1 52.3 49.1 46.0 42.7 39.1	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040* 17,760* 16,730* 15,800* 14,740 13,620 12,690 11,860 11,080	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	Rated Load (lbs)  14,810* 14,020* 13,330* 12,760* 11,220* 11,300* 10,930* 10,580*	Radius (ft)  38.0  40.0  45.0  55.0  60.0  75.0  80.0  95.0  100.0  110.0  115.0  120.0	70.5 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0 45.1 41.7 38.2	Rated Load (lbs)  20,000* 20,000* 20,000* 20,000* 19,550* 18,000* 15,580* 14,520* 12,210* 11,570* 11,020* 10,530* 10,070* 9,650* 9,300*	Load   Radius (ft)	78.9 76.7 74.4 72.0 69.5 61.8 58.9 56.1	11,300* 10,730* 10,250* 9,780* 9,360* 8,990* 8,680* 8,370* 8,110* 7,870*	Padius (t) 45.0 45.0 55.0 60.0 65.0 65.0 77.0 80.0 85.0 90.0 105.0 115.0 125.0 125.0 130.0	76.6 76.6 74.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7 43.8 40.7	Rated Load (lbs)  18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770* 11,080* 10,470* 9,890* 9,390* 8,950* 8,550* 8,150* 7,820* 7,530* 7,270*	60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0	79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5	9,100* 8,660* 8,240* 7,870* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100*
Radius (ft) 32.0 34.0 36.0 38.0 40.0 45.0 50.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	79.1 76.2 75.2 75.2 76.5 64.9 62.2 59.4 47.1 43.4 39.7 35.6	30 i O set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 15,760 14,570 13,470 12,540	40.0 45.0 55.0 65.0 775.0 80.0 85.0	79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	21,000* 21,000* 21,000* 20,100* 19,020* 18,120* 16,620* 15,960* 15,430*	Padius (t)  36.0 38.0 40.0 45.0 55.0 60.0 75.0 80.0 95.0 100.0 115.0	79.3 78.4 77.5 75.2 70.4 68.1 66.6 63.2 60.4 57.8 55.1 52.3 49.1 46.0 42.7 39.1	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040* 17,760* 16,730* 15,800* 14,740 13,620 12,690 11,860 11,080	50.0 55.0 60.0 65.0 77.0 80.0 85.0 95.0	78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	Rated Load (lbs)  14,810* 14,020* 13,330* 12,760* 11,220* 11,300* 10,930* 10,580*	Radius (ft) 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0 90.0 105.0 115.0 125.0	70.5 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0 45.1 41.7 38.2	Rated Load (lbs)  20,000* 20,000* 20,000* 20,000* 19,550* 18,000* 15,580* 14,520* 12,210* 11,570* 11,020* 10,530* 10,070* 9,650* 9,300*	Load Radius (ft)	78.9 76.7 74.4 72.0 69.5 61.8 58.9 56.1	11,300* 10,730* 10,250* 9,780* 9,360* 8,990* 8,680* 8,370* 8,110* 7,870*	Padius (tt) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 105.0 115.0 120.0 135.0	76.6 76.6 74.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7 43.8 40.7	Rated Load (lbs)  18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770* 11,080* 10,470* 9,890* 9,390* 8,950* 8,550* 8,150* 7,820* 7,530* 7,270*	Load   Radius (t)	79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5	9,100* 8,660* 8,240* 7,870* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100*

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

### **Fixed Jib Lift Capacity**

100' Boom 30 ft Jib 40 ft Jib 50 ft Jib 60 ft Jib O set Angle (deg.) O set Angle (deg.) O set Angle (deg.) O set Angle (deg.) 10 30 10 10 30 10 Boom Angle Boom Rated Boom Rated Boom Boom Rateo Boom Boom Rated Load Load Rated Load Load Rateo Load Load Rated Load Load Boom Rated Radius Radius Radius Radius Radius Radius Load Load Load Radius Load Angle Load Load Load (deg., (lbs) (deg. (lbs) (ft) (deg. (lbs) (ft) (deg. (lbs) (deg. (lbs) (deg. (lbs) (ft) (deg. (lbs) (ft) (deg.) (lbs) 32.0 79.9 24,000<sup>3</sup> 36.0 80.0 24,000 40.0 79.9 20,000\* 45.0 79.3 18,000 18,000\* 34.0 79.0 24.000 38.0 79.2 24.0009 45.0 78.0 20.000\* 50.0 77.5 78.1 24,000\* 40.0 78.4 24,000\* 50.0 20,000\* 75.5 17,720 36.0 76.0 55.0 38.0 77.2 24,000\* 45.0 76.3 24,000 55.0 73.9 20,000\* 55.0 79.7 11.500 60.0 73.7 16,3503 50.0 24,000\* 79.1 60.0 10,950\* 71.8 78.3 40.0 76.4 24.000\* 74.2 50.0 15.100<sup>3</sup> 60.0 71.9 18.930\* 77.7 65.0 15.160° 65.0 8.810\* 45.0 74.1 24,000\* 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\* 69.7 67.8 50.0 71.8 24.000\* 50.0 75.7 20.650 60.0 23.280 60.0 74.5 13,660\* 70.0 67.8 16,420\* 70.0 73.4 10,030\* 75.0 13,160\* 75.0 74.2 8,040\* 55.0 65.0 13,090\* 80.0 12,360\* 69.3 55.0 73.2 19.570 67.5 21,620 65.0 72.2 75.0 75.0 71.1 65.8 0.08 72.1 7,710\* 24.000\* 65.6 15.340\* 9.610\* 60.0 60.0 70.0 65.3 70.0 80.0 80.0 68.8 85.0 63.8 85.0 70.0 67.0 24.000 70.7 18,690 20.190 69.9 12.560 63.4 14.440\* 9.230 11.660 7.420 65.0 64.5 22,440 65.0 68.2 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 62.1 20,320 70.0 65.7 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 6,900\* 17,190\* 65.5 75.0 59.4 18,400 75.0 62.9 16.510\* 85.0 58.0 15,710 85.0 62.4 11,260\* 95.0 56.5 12.230\* 95.0 61.6 8,330\* 100.0 57.3 9,920\* 100.0 63.2 6,670\* 55.1 80.0 15,960\* 90.0 14.500 90.0 10,910\* 100.0 100.0 59.1 8,090\* 105.0 9,450\* 105.0 80.0 56.7 16,860 60.2 55.5 59.8 54.1 11,660\* 60.9 6,450\* 15,520 85.0 57.4 15,450\* 95.0 52.8 13,380 95.0 10,580\* 105.0 51.6 105.0 110.0 52.7 9,030\* 110.0 58.4 6,280\* 85.0 54.0 56.9 11.150\* 56.4 7.870\* 90.0 51.2 14,320 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\* 54.5 48.1 105.0 47.2 11,590 10,200\* 120.0 47.7 95.0 13.220 95.0 51.2 13,420 115.0 46.1 8.280\* 120.0 53.1 5,950\* 100.0 45.0 12,270 110.0 44.3 10,840 120.0 43.2 9,590 125.0 45.1 7,950\* 105.0 41.7 11,460 115.0 40.9 10,110 125.0 40.2 9.010 130.0 42.3 7,670\* 110.0 38.1 10,690 120.0 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\* 1 Reeves 1 1 1 1 Reeves Reeves Reeves Reeves 1 Reeves 1 Reeves 1 Reeves 110' Boom 30 ft Jib 40 ft Jib 50 ft Jib 60 ft Jib O set Angle (deg.) O set Angle (deg.) O set Angle (deg.) O set Angle (deg.) 10 10 10 30 10 Load Boom Rated Load Boom Boom Rated Load Boom Boom Rated Load Boom Rated Load Boom Rated Rated Load Ratea Load Load Boom Rated **Padius** Angle Load Radius Angle Load Radius Load Radius Angle Load Radius Angle Load Radius Angle Load Radius Radius Angle Load Angle Anale Load (ft) (ft) (deg., (lbs) (ft) (deg.) (lbs) (ft) (deg.) (lbs) (ft) (deg.) (lbs) (ft) (deg., (lbs) (ft) (deg.) (lbs) (deg. (lbs) (ft) (deg.) (lbs) 34 0 79.8 24,000 38.0 79.9 24.000\* 450 78.8 20,000 45.0 80.0 18,000 36.0 79.0 24.000\* 40.0 79.2 24.0009 50.0 76.9 20.000\* 50.0 78.3 18.0003 38.0 78.2 24,000\* 45.0 77.2 24,000 55.0 75.0 20,000\* 55.0 76.4 18,000 50.0 24.000\* 79.9 15,360\* 78.5 11.150\* 60.0 74.7 17,040 40.0 77.3 24.000 75.3 50.0 60.0 73.1 19.810\* 60.0 45.0 75.3 24,000\* 45.0 79.0 21,000\* 55.0 73.2 24,000\* 55.0 77.7 14,610\* 65.0 71.2 18,430\* 65.0 76.5 10,670\* 65.0 72.9 15,820\* 65.0 79.1 8,970\* 71.2 50.0 21,000\* 60.0 70.0 10,250\* 71.1 70.0 50.0 73.2 24,000\* 76.8 24,000 60.0 75.6 13.970\* 70.0 69.3 17.230\* 74.6 70.0 14,770\* 77.2 8,570\* 24.000\* 55.0 13,400 69.2 75.0 55.0 709 74 5 20.1009 65.0 69.1 22,500 65.0 73.5 67.2 75.0 724 9,830\* 75.0 13,800\* 75.2 75.0 16,110\* 8,200\* 60.0 68.7 60.0 70.0 67.1 20.370 70.0 71.4 80.0 65.2 80.0 70.4 80.0 67.3 12.960\* 80.0 73.3 7.890\* 24.000 72.2 19.2209 12.870\* 15.160\* 9.470 65.0 66.5 22,260 65.0 70.0 18,430<sup>9</sup> 75.0 64.8 18,450 75.0 69.1 12,380\* 85.0 63.2 14,350\* 85.0 68.3 9,140\* 85.0 65.5 12,230 85.0 71.4 7,580\* 70.0 0.08 62.7 16.880 80.0 66.9 90.0 90.0 63.6 11,590\* 90.0 70.0 64.3 20.150 67.7 17.700 11.940\* 90.0 61.2 13,600 66.1 8.840\* 69.4 7,310\* 75.0 18,230 75.0 65.1 17,040\* 85.0 60.5 15,520 85.0 64.6 11,570\* 95.0 58.9 12,890\* 95.0 63.8 8,550\* 95.0 61.5 10,950\* 95.0 67.2 7,050\* 61.8 58.2 100.0 80.0 80.0 90.0 100.0 61.5 8,310\* 100.0 59.4 16.680 62.7 16.460\* 14,320 90.0 62.2 11,220\* 100.0 56.7 12,300\* 59.5 10,420\* 65.2 6,830\* 95.0 13,200 8,090\* 105.0 57.5 105.0 85.0 57.0 85.0 60.2 55.7 95.0 59.7 105.0 105.0 59.2 9.940\* 15.340 15,650 10,8903 545 11.530 63.0 6,630\* 90.0 54.5 14.150 90.0 57.6 14,440 100.0 53.3 12.250 100.0 57.1 10.600\* 110.0 52.2 10.780 110.0 56.7 7.890\* 110.0 55.4 9.500\* 110.0 60.8 6.430\* 51.8 13.020 95.0 54.8 13,270 105.0 50.8 11,410 105.0 545 10,330\* 115.0 49.6 10.030 115.0 54.0 7,690\* 115.0 53.1 9.080\* 115.0 58.4 6,260\* 100.0 49.1 12,100 100.0 52.0 12,320 110.0 48.2 10,640 110.0 51.8 10,110\* 120.0 47.1 9,390 120.0 50.9 8,700\* 120.0 56.1 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 53.6 5,970\* 42.5 41.8 46.2 1100 433 10.510 120.0 9.300 130.0 8.280 130.0 8.060 39.9 39.4 9.780 38.8 7.800 43.6 7.780 115.0 125.0 8.730 135.0 135.0 120.0 36.5 9,170 130.0 36.1 8,200 140.0 35.4 7,250 140.0 40.8 7,380 125.0 32.7 8.420 135.0 32.5 7,420\* 145.0 37.9 6,960 150.0 34.8 6,370\* 1 1 Reeves Reeves 1 Reeves Reeves 1 Reeves 1 Reeves 1 Reeves Reeves

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

	120	)' Boo	m																				
	120		t Jib					401	ft Jib					50 f	t <b>J</b> ib					60:	ft <b>J</b> ib		
	(	O set Ar		leg.)			(	O set Ar		leg.)			(	) set An		eg.)			(	O set Ar		eg.)	
	10			30			10			30			10			30			10			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)
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*				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*
<b>55.0</b> 60.0	<b>72.2</b> 70.2	<b>24,000*</b> 24,000*	<b>55.0</b> 60.0	<b>75.6</b> 73.5	<b>20,560*</b> 19,680*	<b>65.0</b> 70.0	<b>70.5</b> 68.6	<b>22,240</b> 20,100	70.0	<b>74.7</b> 72.7	<b>13,690*</b> 13,160*	<b>70.0</b> 75.0	<b>70.6</b> 68.7	<b>18,010</b> * 16,840*	<b>70.0</b> 75.0	<b>75.6</b> 73.6	<b>10,420</b> * 10,030*	<b>75.0</b> 80.0	<b>70.4</b> 68.7	<b>14,390*</b> 13,550*	<b>75.0</b> 80.0	<b>76.1</b> 74.4	<b>8,350</b> * 8,040*
65.0	68.2	21,970	65.0	71.4	18,910*	75.0	66.5	18,160	75.0	70.6	12,670*	80.0	66.8	15,890*	80.0	71.7	9,670*	85.0	67.0	12,780*	85.0	72.6	7,730*
70.0	66.1	19,860	70.0	69.3	18,180*	80.0	64.5	16,620	80.0	68.5	12,250*	85.0	65.0	15,030*	85.0	69.7	9,340*	90.0	65.2	12,120*	90.0	70.7	7,470*
75.0	63.9	17,940	75.0	67.0	17,500*	85.0	62.5	<b>15,250</b> 14,040	85.0	66.4	11,860*	90.0	63.1	14,190	90.0	67.8	9,060*	95.0	63.3	11,480*	95.0	68.7	7,230*
80.0 <b>85.0</b>	61.7 <b>59.5</b>	16,400 <b>15,050</b>	80.0 <b>85.0</b>	64.8 <b>62.6</b>	16,790 <b>15,410</b>	90.0 <b>95.0</b>	60.5 <b>58.2</b>	12,910	90.0 <b>95.0</b>	64.3 <b>62.0</b>	11,500* <b>11,170</b> *	95.0 <b>100.0</b>	61.0 <b>59.0</b>	13,050 <b>12,100</b>	95.0 <b>100.0</b>	65.6 <b>63.6</b>	8,770* <b>8,500</b> *	100.0 <b>105.0</b>	61.5 <b>59.6</b>	10,930* <b>10,420</b> *	100.0 <b>105.0</b>	66.8 <b>64.9</b>	7,010* <b>6,790</b> *
90.0	57.3	13,860	90.0	60.2	14,170	100.0	56.0	11,970	100.0	59.7	10,860*	105.0	57.0	11,260	105.0	61.4	8,280*	110.0	57.7	9,960*	110.0	62.9	6,610*
95.0	54.8	12,740	95.0	57.7	13,020	105.0	53.8	11,130	105.0	57.4	10,600*	110.0	54.9	10,490	110.0	59.3	8,060*	115.0	55.6	9,520*	115.0	60.7	6,410*
100.0 <b>105.0</b>	52.4 <b>49.9</b>	11,790 <b>10,950</b>	100.0 <b>105.0</b>	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 <b>115.0</b>	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 <b>120.0</b>	56.8 <b>54.5</b>	7,870* <b>7,690</b> *	120.0 <b>125.0</b>	53.6 <b>51.5</b>	9,140* <b>8,610</b>	120.0 <b>125.0</b>	58.6 <b>56.4</b>	6,260* <b>6,100</b> *
110.0	47.3	10,200	100.0	32.0	11,170	120.0	46.5	8,990	113.0	32.3	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			
<b>125.0</b> 130.0	<b>38.5</b> 35.2	<b>8,280</b> 7,690*				<b>135.0</b> 140.0	<b>38.1</b> 34.7	<b>7,420</b> 6,700*				140.0 145.0	<b>40.3</b> 37.4	<b>7,030</b> 6,540*				<b>145.0</b> 150.0	<b>42.2</b> 39.6	<b>6,670</b> 6,300			
135.0	1	6,830*						1,111				150.0	34.3	5,880*				155.0	36.8	5,730*			
l																		160.0	33.6	5,090*			
Rec	eves	1	Ree	eves	1	Ree	ves	1	Rec	eves	1	Ree	ves	.1	Ree	ves	1	Ree	eves	1	Rec	ves	1
	120																						
	าวเ	)' Boo	m																				
	130	)' Boo 30 t	m ft Jib					401	ft Jib	-4				50 f	t <b>Ji</b> b					601	ft <b>J</b> ib		
			t <b>Ji</b> b	leg.)			(	40 t O set Ar		'eg.)				50 f Set An		eg.)			(	60 i O set Ar		'eg.)	
Load	10	30 t O set Ar	t Jib ngle (d	30	Potod	Lond	10	O set An	ngle (d	30		Lood	10	) set An	gle (d	30	Potod	Lond	10	O set Ar	ngle (d	30	
Load Radius (ft)	10 Boom	30 t O set An	t <b>Ji</b> b	30 Boom	Rated Load (Ibs)	Load Padius (ft)		O set An		30 Boom	Rated Load (lbs)	Load Radius (ft)		) set An		<u> </u>	Rated Load (lbs)	Load Radius (ft)		O set Ar		30 Boom	Rated Load (lbs)
Radius (ft) 38.0	Boom Angle (deg.)	30 t O set Ar Rated Load (lbs) 24,000*	ft Jib ngle (d Load Radius	30 Boom Angle	Load	Radius (ft) 45.0	Boom Angle (deg.) 78.8	Pated Load (lbs) 24,000*	Load Radius	30 Boom Angle	Rated Load	Radius (ft) 45.0	Boom Angle (deg.)	Rated Load (lbs) 20,000*	Load Radius	30 Boom Angle	Load	Radius (ft) 50.0	Boom Angle (deg.) 79.5	Pated Load (lbs) 18,000*	Load Radius	30 Boom Angle	Rated Load
Radius (ft) 38.0 <b>40.0</b>	10 Boom Angle (deg.) 79.7 <b>79.0</b>	30 t O set Ar Rated Load (lbs) 24,000* 24,000*	ft Jib ngle (d Load Radius	30 Boom Angle	Load	### Adjus (ft) 45.0 <b>50.0</b>	800m Angle (deg.) 78.8 77.1	Rated Load (lbs) 24,000*	Load Radius (ft)	30 Boom Angle (deg.)	Rated Load (lbs)	### Radius (ft) 45.0 <b>50.0</b>	80.0 78.4	Rated Load (lbs) 20,000* 20,000*	Load Radius	30 Boom Angle	Load	### Radius (ft) 50.0 <b>55.0</b>	79.5 77.9	Rated Load (lbs) 18,000* 18,000*	Load Radius	30 Boom Angle	Rated Load
Radius (ft) 38.0	79.7 79.0 75.3	30 t D set Ar  Rated Load (lbs)  24,000* 24,000* 24,000* 24,000*	Et Jib  Ingle (d  Load Radius (ft)	30 Boom Angle	Load (lbs) 21,000*	### Adjus (ft) 45.0 <b>50.0</b> 55.0 <b>60.0</b>	800m Angle (deg.) 78.8 77.1 75.2 73.5	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000*	Load Radius	30 Boom Angle (deg.) 79.3 77.5	Rated Load (lbs)  15,100* 14,500*	### Adius (ft) 45.0	80.0 78.4 76.7 75.1	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000*	Load Radius (ft)	30 Boom Angle (deg.) 79.9	Load (lbs) 11,480*	Fadius (ft) 50.0 55.0 60.0 65.0	79.5 76.3 74.8	Rated Load (lbs) 18,000* 18,000* 18,000* 17,100*	Load Radius	30 Boom Angle	Rated Load (lbs)
38.0 40.0 45.0 55.0	70 Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	Load Radius (ft)  50.0  55.0	30 Boom Angle (deg.) 78.5 76.5	Load (lbs) 21,000* 20,980*	45.0 <b>50.0</b> 55.0 <b>60.0</b> 65.0	Boom Angle (deg.) 78.8 77.1 75.2 73.5 71.7	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 22,000	Load Radius (ft)  55.0 60.0 65.0	30 Boom Angle (deg.) 79.3 77.5 75.7	Rated Load (lbs)  15,100* 14,500* 13,930*	45.0 50.0 55.0 60.0 65.0	80.0 78.4 76.7 73.4	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 20,000*	Load Radius (ft) 60.0 65.0	30 Boom Angle (deg.) 79.9 78.2	Load (lbs) 11,480* 11,020*	50.0 55.0 60.0 65.0 70.0	79.5 77.9 76.3 74.8 73.2	Rated Load (lbs) 18,000* 18,000* 18,000* 17,100* 16,000*	Load Radius (ft)	30 Boom Angle (deg.)	Rated Load (lbs)
Radius (ft) 38.0 <b>40.0</b> 45.0 <b>50.0</b>	79.7 79.0 775.3 73.4	30 t D set Ar  Rated Load (lbs)  24,000* 24,000* 24,000* 24,000*	Et Jib  Ingle (d  Load Radius (ft)	30 Boom Angle (deg.)	Load (lbs) 21,000*	### Adjus (ft) 45.0 <b>50.0</b> 55.0 <b>60.0</b>	800m Angle (deg.) 78.8 77.1 75.2 73.5 71.7 69.9	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000*	Load Radius (ft) 55.0 60.0	30 Boom Angle (deg.) 79.3 77.5 75.7	Rated Load (lbs)  15,100* 14,500*	### Adius (ft) 45.0	80.0 78.4 76.7 75.1	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000*	Load Radius (ft)	30 Boom Angle (deg.) 79.9	Load (lbs) 11,480*	Fadius (ft) 50.0 55.0 60.0 65.0	79.5 76.3 74.8	Rated Load (lbs) 18,000* 18,000* 18,000* 17,100*	Load Radius (ft)	30 Boom Angle (deg.) 78.7 <b>76.9</b>	Rated Load (lbs)
38.0 40.0 45.0 50.0 65.0 70.0	79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7	30 th 20 set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620	50.0 55.0 65.0 70.0	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7	21,000* 20,980* 20,120* 19,350* 18,650*	### Radius (ft)   45.0   50.0   55.0   60.0   65.0   70.0   75.0   80.0	70 Boom Angle (deg.) 78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2	Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 22,000 19,860 17,920 16,350	Load Radius (ft)  55.0 60.0 65.0 70.0 75.0 80.0	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8 69.9	15,100* 14,500* 13,930* 13,420* 12,940* 12,520*	<b>Radius</b> (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>	80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2	Rated Load (lbs)  20,000* 20,000* 20,000* 20,000* 18,760* 17,570* 16,530	Load Radius (ft)  60.0 65.0 70.0 75.0 80.0	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8	11,480* 11,020* 10,620* 10,200* 9,850*	Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3	Pated Load (lbs) 18,000* 18,000* 17,100* 16,000* 14,960* 14,100* 13,330*	Load Radius (ft)  70.0  75.0 80.0 85.0	30 Boom Angle (deg.) 78.7 76.9 75.3 73.6	8,840* 8,480* 8,170* 7,890*
38.0 40.0 45.0 55.0 60.0 75.0	79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6	30 to Set Ar.  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 17,680	50.0 55.0 65.0 75.0	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7 68.6	21,000* 20,980* 20,120* 19,350* 18,650* 17,960*	### Radius (ft)   45.0   50.0   55.0   60.0   65.0   70.0   75.0   80.0   85.0	78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3	Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 22,000 19,860 17,920 16,350 14,990	Load Radius (ft)  55.0 60.0 65.0 70.0 75.0 80.0	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8 69.9 68.0	15,100* 14,500* 13,930* 13,420* 12,940* 12,520* 12,140*	### Addius (ft)   45.0   50.0   55.0   60.0   65.0   70.0   75.0   80.0   85.0	80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 18,760* 17,570* 16,530 15,160	Load Radius (ft)  60.0 65.0 70.0 75.0 80.0 85.0	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0	11,480* 11,020* 10,620* 10,200* 9,850* 9,540*	75.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6	Rated Load (lbs)  18,000* 18,000* 18,000* 16,000* 14,960* 14,100* 13,330* 12,630*	Tood Radius (ft)  70.0  75.0  80.0  85.0  90.0	78.7 76.9 75.3 71.9	8,840* 8,480* 8,170* 7,890* 7,620*
38.0 40.0 45.0 50.0 65.0 70.0	79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.7 61.6	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 11,730 11,680 16,130 14,790	50.0 55.0 65.0 70.0	30 Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7	21,000* 20,980* 20,120* 19,350* 18,650* 17,960* 16,600	### Addius (ft)   ### 45.0   ### 55.0   ### 65.0   ### 75.0   ### 75.0   ### 75.0   ### 85.0   ### 95.0   ### 95.0   ### 95.0   ### 75.0   ###	70 Boom Angle (deg.) 78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3 62.4	Pared Load (fbs) 24,000* 24,000* 24,000* 22,000 19,860 17,920 16,350 14,990 13,800 12,650	Load Radius (ft)  55.0 60.0 65.0 70.0 75.0 80.0	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8 69.9	15,100* 14,500* 13,930* 13,420* 12,940* 12,520*	<b>Radius</b> (ft) 45.0 <b>50.0</b> 55.0 <b>60.0</b> 65.0 <b>70.0</b> 75.0	10 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8	Rated Load (lbs)  20,000* 20,000* 20,000* 20,000* 18,760* 17,570* 16,530	Load Radius (ft)  60.0 65.0 70.0 75.0 80.0	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8	11,480* 11,020* 10,620* 10,200* 9,850* 9,540* 9,230* 8,950*	Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3	Pated Load (lbs) 18,000* 18,000* 17,100* 16,000* 14,100* 14,100* 13,330* 12,630* 11,970* 11,410*	70.0 75.0 80.0 90.0 95.0 100.0	78.7 76.9 75.3 73.6 71.9 70.0 68.3	8,840* 8,480* 8,170* 7,620* 7,360* 7,140*
75.0 80.0 80.0 80.0 80.0 80.0 80.0 90.0	79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.7 61.6 59.6	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 17,680 16,130 14,790 13,600	50.0 55.0 60.0 75.0 80.0 85.0 90.0	78.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4	21,000* 20,980* 20,120* 19,350* 18,650* 17,960* 16,600 15,180 13,950	### Addius (ft)   ### 45.0   ### 55.0   ### 60.0   ### 65.0   ### 75.0   ### 85.0   ### 90.0   ### 95.0   ### 100.0	78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3 62.4 60.3 58.3	Pared Load (fbs) 24,000* 24,000* 24,000* 24,000* 22,000 19,860 17,920 16,350 14,990 13,800 12,650 11,700	55.0 60.0 65.0 70.0 85.0 90.0 95.0	79.3 77.5 75.7 73.8 69.9 68.0 66.1 63.9 61.9	15,100* 14,500* 13,930* 13,930* 12,940* 12,520* 12,140* 11,770* 11,440* 11,130*	<b>Radius</b> (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0	80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 20,000* 11,7570* 16,530 15,160 13,950 12,800 11,860	60.0 65.0 70.0 85.0 90.0 95.0	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3	11,480* 11,020* 10,620* 10,200* 9,850* 9,540* 9,230* 8,950* 8,700*	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4	Pated Load (lbs) 18,000* 18,000* 18,000* 16,000* 14,100* 14,100* 13,330* 12,630* 11,970* 11,410* 10,890*	70.0 75.0 80.0 90.0 95.0 100.0 105.0	30 Boom Angle (deg.) 78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5	8,840* 8,480* 8,170* 7,890* 7,620* 7,140* 6,940*
85.0 85.0 85.0 85.0 85.0 85.0 85.0 90.0 95.0	79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.7 61.6 59.6 57.3	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 16,130 14,790 13,600 12,470	50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0	78.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1	21,000* 20,980* 20,120* 18,650* 17,960* 16,600 15,180 13,950 12,780	### Addius (ft)   ### 45.0   ### 55.0   ### 65.0   ### 65.0   ### 75.0   ###	700 Boom Angle (deg.) 78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3 62.4 60.3 58.3 56.3	Pared Load (fbs) 24,000* 24,000* 24,000* 24,000* 22,000 19,860 17,920 16,350 14,990 13,800 12,650 11,700 10,860	55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	79.3 77.5 75.7 73.8 69.9 68.0 66.1 63.9 61.9 59.8	15,100* 14,500* 13,930* 13,420* 12,940* 12,140* 11,770* 11,440* 11,130* 10,860*	<b>Radius</b> (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> 95.0 <b>100.0</b> 105.0	700 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1	Rated Load (fbs) 20,000* 20,000* 20,000* 20,000* 17,570* 16,530 15,160 13,950 11,860 11,000	60.0 65.0 70.0 85.0 90.0 95.0 100.0	30 Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3 63.4	11,480* 11,020* 10,620* 10,200* 9,850* 9,540* 9,230* 8,950* 8,700* 8,480*	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6	Pated Load (flbs)  18,000* 18,000* 17,100* 16,000* 14,960* 14,100* 13,330* 11,970* 11,410* 10,890* 10,310	70.0 75.0 80.0 85.0 90.0 100.0 110.0	78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6	8,840* 8,480* 8,170* 7,890* 7,620* 7,140* 6,940* 6,740*
75.00 85.00 85.00 70.00 75.00 85.00 90.00 95.00 105.00	79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.7 65.6 57.3 55.2 52.9	30 set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 17,680 16,130 14,790 13,600 12,470 11,530 10,690	50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0	78.5 76.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9 55.6	21,000* 20,980* 20,120* 19,350* 18,650* 15,180 13,950 12,780 11,810 10,950	### Radius (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   115.0   115.0	78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3 56.3 56.3 54.2 51.9	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 19,860 17,920 16,350 11,700 10,860 10,090 9,360	Load Radius (ft)  55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 115.0	300 Boom Angle (deg.) 79.3 77.5 75.7 73.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	15,100* 14,500* 13,930* 13,930* 12,940* 12,520* 12,140* 11,770* 11,440* 11,130*	<b>Radius</b> (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0	70 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1 57.2 55.1	Rated Load (fbs) 20,000* 20,000* 20,000* 20,000* 17,570* 16,530 11,860 11,860 11,000 10,220 9,470	Gle (d. Load Padius (ft) 60.0 65.0 70.0 80.0 85.0 95.0 100.0 105.0 115.0 115.0	79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3 63.4 61.4 59.2	11,480* 11,020* 10,620* 10,200* 9,850* 9,540* 9,230* 8,950* 8,700* 8,480* 8,260* 8,040*	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 120.0	79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9	Rated Load (lbs)  18,000* 18,000* 18,000* 17,100* 16,000* 14,960* 14,100* 13,330* 11,410* 10,890* 10,310 9,560 8,920	70.0 75.0 85.0 99.0 100.0 115.0 1120.0	78.7 76.9 77.3.6 66.5 64.6 62.6 60.7	8,840* 8,480* 8,170* 7,890* 7,620* 7,140* 6,940* 6,740* 6,560* 6,390*
75.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 65.7 59.6 57.3 55.2 52.9	30 set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 17,680 16,130 14,790 13,600 12,470 11,530 10,690 9,940	50.0 55.0 60.0 70.0 85.0 90.0 95.0	78.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9 55.6	21,000* 20,980* 20,120* 19,350* 18,650* 16,600 15,180 13,950 12,780 11,810	### Radius (ft)   45.0   50.0   55.0   60.0   65.0   70.0   85.0   90.0   95.0   100.0   115.0   120.0	78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3 56.3 55.3 54.2 51.9 49.7	Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 19,860 17,920 16,350 11,700 10,860 10,090 9,360 8,730	55.0 60.0 65.0 70.0 85.0 90.0 105.0 110.0	300 Boom Angle (deg.) 79.3 77.5 75.7 73.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	15,100* 14,500* 13,930* 13,420* 12,940* 12,140* 11,770* 11,440* 11,130* 10,860* 10,420	<b>Radius</b> (ft) 45.0 50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 120.0	70 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 66.5 64.7 62.8 61.0 59.1 57.2 55.1 53.1	Rated Load (fbs) 20,000* 20,000* 20,000* 20,000* 17,570* 16,530 15,160 11,860 11,800 11,860 11,000 10,220 9,470 8,840	Gle (d Load Padius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 95.0 100.0 115.0 120.0	79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3 63.4 61.4 59.2 57.1	11,480* 11,020* 10,620* 10,200* 9,850* 9,540* 9,230* 8,950* 8,700* 8,480* 8,040* 7,870*	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 125.0	79.5 77.9 76.3 74.8 73.2 71.5 69.9 66.6 64.8 63.1 61.4 59.6 57.7 55.9	Pated Load (lbs)  18,000* 18,000* 18,000* 17,100* 16,000* 14,960* 14,100* 11,410* 10,890* 10,310 9,560 8,920 8,350	70.0 75.0 85.0 99.0 100.0 115.0 120.0 125.0	78.7 76.9 77.3.6 71.9 70.0 68.3 66.5 64.6 60.7 58.7	8,840* 8,480* 8,170* 7,620* 7,140* 6,940* 6,740* 6,560* 6,390* 6,230*
Radius (ft) 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.	79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.7 65.9 65.7 3 55.2 52.9 50.6	30 set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 17,680 16,130 14,790 13,600 12,470 11,530 10,690	50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0	78.5 76.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9 55.6	21,000* 20,980* 20,120* 19,350* 18,650* 15,180 13,950 12,780 11,810 10,950	### Radius (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   115.0   115.0	78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3 56.3 56.3 54.2 51.9	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 19,860 17,920 16,350 11,700 10,860 10,090 9,360	Load Radius (ft)  55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 115.0	300 Boom Angle (deg.) 79.3 77.5 75.7 73.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	15,100* 14,500* 13,930* 13,420* 12,940* 12,520* 12,140* 11,770* 11,440* 11,130* 10,860* 10,420 9,650	<b>Radius</b> (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0	70 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1 57.2 55.1	Rated Load (fbs) 20,000* 20,000* 20,000* 20,000* 17,570* 16,530 11,860 11,860 11,000 10,220 9,470	Gle (d. Load Padius (ft) 60.0 65.0 70.0 80.0 85.0 95.0 100.0 105.0 115.0 115.0	79.9 78.2 76.5 74.6 69.2 65.3 63.4 61.4 59.2 57.1 54.9	11,480* 11,020* 10,620* 10,200* 9,850* 9,540* 9,230* 8,950* 8,700* 8,480* 8,260* 8,040*	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 120.0	79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9	Rated Load (lbs)  18,000* 18,000* 17,100* 16,000* 14,960* 14,100* 13,330* 12,630* 11,410* 10,890* 10,310 9,560 8,920 8,350 7,820	70.0 75.0 85.0 99.0 100.0 115.0 1120.0	78.7 76.9 77.3 66.5 64.6 60.7 58.7 56.6	8,840* 8,480* 8,170* 7,602* 7,360* 7,140* 6,740* 6,560* 6,390* 6,230* 6,100*
Padius (ft) 38.0.4 40.0.4 5.0.5 5.0.0 65.0.0 70.0.0 95.0.1 105.0 115.0 120.0 125.0 1	79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.7 65.9 65.7 3 55.2 52.9 50.6 48.1 45.6 43.0	30 set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 17,680 16,130 14,790 13,600 12,470 11,530 10,690 9,940 9,210 8,570 8,020	50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0	78.5 76.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9 55.6	21,000* 20,980* 20,120* 19,350* 18,650* 15,180 13,950 12,780 11,810 10,950	Padius (ft) 45.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 995.0 105.0 115.0 125.0 125.0 135.0 135.0	710 Boom Angle (deg.) 78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3 56.3 56.3 54.2 51.9 49.7 47.4 45.0 42.5	Rated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000 19,860 17,920 13,800 12,650 11,700 10,860 10,090 9,360 8,730 8,150 7,620 7,140	Load Radius (ft)  55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 115.0	300 Boom Angle (deg.) 79.3 77.5 75.7 73.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	15,100* 14,500* 13,930* 13,420* 12,940* 12,520* 12,140* 11,770* 11,440* 11,130* 10,860* 10,420 9,650	Radius (ft) 45.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 105.0 115.0 125.0 125.0 135.0 135.0	70 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 65.1 57.2 55.1 53.1 51.0 48.8 46.6	Rated Load (fbs) 20,000* 20,000* 20,000* 20,000* 17,570* 16,530 15,160 13,950 12,800 11,860 11,860 11,800 10,220 9,470 8,840 8,260 7,730 7,250	Gle (d Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 995.0 100.0 115.0 115.0 120.0	79.9 78.2 76.5 74.6 69.2 65.3 63.4 61.4 59.2 57.1 54.9	11,480* 11,020* 10,620* 10,200* 9,850* 9,540* 9,230* 8,950* 8,700* 8,480* 8,040* 7,870* 7,710*	Fadius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 105.0 110.0 125.0 135.0 140.0	79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 59.6 57.7 55.9 52.0 47.8	Rated Load (lbs)  18,000* 18,000* 18,000* 17,100* 16,000* 14,100* 13,330* 12,630* 11,410* 10,890* 10,310 9,560 8,920 8,350 7,820 7,310 6,830	70.0 75.0 80.0 85.0 90.0 910.0 115.0 120.0 125.0 130.0	78.7 76.9 77.9 76.9 77.0 68.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	8,840* 8,480* 8,170* 7,620* 7,140* 6,940* 6,740* 6,560* 6,390* 6,230*
Padius (ft) 38.0.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 95.0 105.0 115.0 120.0 125.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0 150.0 1	79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.7 61.6 59.6 59.3 55.2 9 50.6 48.1 45.6 43.0	Rated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 17,680 16,130 14,790 13,600 12,470 11,530 10,690 9,940 9,210 8,570 8,020 7,490	50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0	78.5 76.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9 55.6	21,000* 20,980* 20,120* 19,350* 18,650* 15,180 13,950 12,780 11,810 10,950	Padius (ft) 45.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 995.0 105.0 115.0 125.0 135.0 135.0 140.0 140.0	78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3 62.4 60.3 58.3 56.3 54.2 49.7 47.4 45.0 42.5 39.6	Rated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000 19,860 17,920 14,990 13,800 12,650 11,700 10,860 10,090 9,360 8,730 8,150 7,620 7,140 6,670	Load Radius (ft)  55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 115.0	300 Boom Angle (deg.) 79.3 77.5 75.7 73.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	15,100* 14,500* 13,930* 13,420* 12,940* 12,520* 12,140* 11,770* 11,440* 11,130* 10,860* 10,420 9,650	Radius (ft) 45.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 105.0 115.0 125.0 125.0 135.0 140	76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1 552.1 553.1 551.0 48.8 46.6 44.1	Rated Load (fbs) 20,000* 20,000* 20,000* 20,000* 17,570* 16,530 15,160 13,950 12,800 11,860 11,000 10,220 9,470 8,840 8,260 7,730 7,250 6,760	Gle (d Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 995.0 100.0 115.0 115.0 120.0	79.9 78.2 76.5 74.6 69.2 65.3 63.4 61.4 59.2 57.1 54.9	11,480* 11,020* 10,620* 10,200* 9,850* 9,540* 9,230* 8,950* 8,700* 8,480* 8,040* 7,870* 7,710*	Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 105.0 110.0 125.0 135.0 140.0 145.0	79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9 52.0 50.0 47.8	Rated Load (lbs)  18,000* 18,000* 18,000* 17,100* 16,000* 14,960* 14,100* 13,330* 12,630* 11,410* 10,890* 10,310 9,560 8,920 8,350 7,820 7,310 6,830 6,410	70.0 75.0 85.0 995.0 105.0 115.0 125.0 135.0	78.7 76.9 77.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	8,840* 8,840* 8,480* 8,170* 7,620* 7,140* 6,940* 6,740* 6,560* 6,390* 6,230* 6,100* 5,970*
Radius (ft) 38.0.4 40.0.4 5.0.5 50.0 65.0.7 70.0.7 75.0.0 95.0.1 105.0 115.0 120.0 125.0 125.0 125.0 125.0 80.0 80.0 125	79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.7 61.6 59.6 48.1 45.6 43.0 40.2 37.3	30 set Ar  Pated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 17,680 16,130 14,790 13,600 12,470 11,530 10,690 9,940 9,210 8,570 8,020	50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0	78.5 76.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9 55.6	21,000* 20,980* 20,120* 19,350* 18,650* 15,180 13,950 12,780 11,810 10,950	Padius (ft) 45.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 995.0 105.0 115.0 125.0 125.0 135.0 135.0	78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3 56.3 55.3 54.9 49.7 45.0 42.5 39.6 36.8	Rated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000 19,860 17,920 13,800 12,650 11,700 10,860 10,090 9,360 8,730 8,150 7,620 7,140	Load Radius (ft)  55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 115.0	300 Boom Angle (deg.) 79.3 77.5 75.7 73.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	15,100* 14,500* 13,930* 13,420* 12,940* 12,520* 12,140* 11,770* 11,440* 11,130* 10,860* 10,420 9,650	Radius (ft) 45.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 105.0 115.0 125.0 125.0 135.0 135.0	70 Boom Angle (deg.) 80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 65.1 57.2 55.1 53.1 51.0 48.8 46.6	Rated Load (fbs) 20,000* 20,000* 20,000* 20,000* 17,570* 16,530 15,160 13,950 12,800 11,860 11,860 11,800 10,220 9,470 8,840 8,260 7,730 7,250	Gle (d Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 995.0 100.0 115.0 115.0 120.0	79.9 78.2 76.5 74.6 69.2 65.3 63.4 61.4 59.2 57.1 54.9	11,480* 11,020* 10,620* 10,200* 9,850* 9,540* 9,230* 8,950* 8,700* 8,480* 8,040* 7,870* 7,710*	Fadius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 105.0 110.0 125.0 135.0 140.0	79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 59.6 57.7 55.9 52.0 47.8	Rated Load (lbs)  18,000* 18,000* 18,000* 17,100* 16,000* 14,100* 13,330* 12,630* 11,410* 10,890* 10,310 9,560 8,920 8,350 7,820 7,310 6,830	70.0 75.0 85.0 99.0 105.0 115.0 120.0 135.0	78.7 76.9 77.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	8,840* 8,840* 8,480* 8,170* 7,620* 7,140* 6,940* 6,740* 6,560* 6,390* 6,230* 6,100* 5,970*
Radius (ft)  38.0 40.0 45.0 55.0 65.0 65.0 77.0 80.0 85.0 100.0 1105.0 125.0 130.0 135.0 135.0	79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.7 61.6 59.6 48.1 45.6 43.0 40.2 37.3	Rated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 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*	50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0	78.5 76.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9 55.6	21,000* 20,980* 20,120* 19,350* 18,650* 15,180 13,950 12,780 11,810 10,950	Padius (ft) 45.0 50.0 55.0 60.0 65.0 77.0 80.0 85.0 90.0 105.0 115.0 120.0 135.0 136.0 146.0 145.0	78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3 56.3 55.3 54.9 49.7 45.0 42.5 39.6 36.8	Pared Load (fbs)  24,000* 24,000* 24,000* 22,000 19,860 17,920 16,350 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*	Load Radius (ft)  55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 115.0	300 Boom Angle (deg.) 79.3 77.5 75.7 73.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	15,100* 14,500* 13,930* 13,420* 12,940* 12,520* 12,140* 11,770* 11,440* 11,130* 10,860* 10,420 9,650	Radius (ft) 45.0 50.0 55.0 60.0 65.0 770.0 85.0 90.0 95.0 100.0 115.0 125.0 130.0 145.0 155.0	100 Boom Angle (deg.) 80.0 78.4 76.7 75.1 75.1 75.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1 55.1 53.1 44.7 41.7 39.1 36.3	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 18,760* 16,530 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*	Gle (d Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 995.0 100.0 115.0 115.0 120.0	79.9 78.2 76.5 74.6 69.2 65.3 63.4 61.4 59.2 57.1 54.9	11,480* 11,020* 10,620* 10,200* 9,850* 9,540* 9,230* 8,950* 8,700* 8,480* 8,040* 7,870* 7,710*	Fadius (ft) 50.0 55.0 60.0 65.0 70.0 775.0 80.0 85.0 99.0 100.0 115.0 122.0 135.0 144.0 155.0 155.0	79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9 54.0 52.0 52.0 43.3 41.0 38.3	Rated Load (lbs)  18,000* 18,000* 18,000* 16,000* 14,000* 14,100* 13,330* 11,970* 11,410* 10,890* 10,310 9,560 8,920 7,310 6,830 6,410 6,040 5,620* 5,040*	70.0 75.0 85.0 99.0 105.0 115.0 120.0 135.0	78.7 76.9 77.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	8,840* 8,840* 8,480* 8,170* 7,620* 7,360* 7,140* 6,940* 6,740* 6,560* 6,390* 6,20* 6,100* 5,970*
Radius (ft)  38.0  40.0  45.0  55.0  65.0  70.0  75.0  80.0  100.0  110.0  120.0  135.0  135.0  135.0	79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.7 61.6 59.6 48.1 45.6 43.0 40.2 37.3	Rated Load (lbs)  24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 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*	50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0	78.5 76.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5 62.4 60.1 57.9 55.6	21,000* 20,980* 20,120* 19,350* 18,650* 15,180 13,950 12,780 11,810 10,950	Padius (ft) 45.0 50.0 55.0 60.0 65.0 77.0 80.0 85.0 90.0 105.0 115.0 120.0 135.0 136.0 146.0 145.0	78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3 56.3 55.3 54.9 49.7 45.0 42.5 39.6 36.8	Pared Load (fbs)  24,000* 24,000* 24,000* 22,000 19,860 17,920 16,350 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*	Load Radius (ft)  55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 115.0	300 Boom Angle (deg.) 79.3 77.5 75.7 73.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	15,100* 14,500* 13,930* 13,420* 12,940* 12,520* 12,140* 11,770* 11,440* 11,130* 10,860* 10,420 9,650	Radius (ft) 45.0 50.0 55.0 60.0 65.0 77.0 80.0 85.0 90.0 100.0 115.0 120.0 135.0 145.0 145.0	100 Boom Angle (deg.) 80.0 78.4 76.7 75.1 75.1 75.4 71.7 69.9 68.2 66.5 64.7 62.8 61.0 59.1 55.1 53.1 44.7 41.7 39.1 36.3	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 18,760* 17,570* 16,530 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*	Gle (d Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 995.0 100.0 115.0 115.0 120.0	79.9 78.2 76.5 74.6 69.2 65.3 63.4 61.4 59.2 57.1 54.9	11,480* 11,020* 10,620* 10,200* 9,850* 9,540* 9,230* 8,950* 8,700* 8,480* 8,040* 7,870* 7,710*	Fadius (ft) 50.0 55.0 60.0 65.0 770.0 775.0 80.0 85.0 990.0 105.0 115.0 120.0 125.0 135.0 1440.0 145.0 155.0	79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9 54.0 52.0 52.0 43.3 41.0 38.3 35.6	Rated Load (lbs) 18,000* 18,000* 18,000* 17,100* 16,000* 14,960* 14,100* 13,330* 12,630* 11,970* 11,410* 10,890* 10,310 9,560 8,920 7,310 6,830 6,410 6,040 5,620*	70.0 75.0 85.0 99.0 105.0 115.0 120.0 135.0	78.7 76.9 77.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	8,840* 8,840* 8,480* 8,170* 7,620* 7,140* 6,940* 6,740* 6,560* 6,390* 6,230* 6,100* 5,970*

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

	140	)' Boo	m																				
			t <b>J</b> ib						t <b>J</b> ib						t <b>J</b> ib						ft <b>J</b> ib		
		O set An	igle (d	<u> </u>			10	O set An	igle (d	- 0 /				O set An	igle (d					O set Ar	ngle (d		
Load Radius	Boom Angle	Rated Load	Load Radius		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 (lbs)	Load Radius	Boom Angle	Rated Load (lbs)	Load Radius		Rated Load
(ft) 40.0	(deg.) 79.6	(lbs) 24,000*	(ft)	(deg.)	(lbs)	(ft) 45.0	(deg.) 79.4	(lbs) 24,000*	(ft)	(deg.)	(lbs)	(ft) 50.0	(deg.) 79.1	(lbs) 20,000*	(ft)	(deg.)	(IDS)	(ft) 55.0	(deg.) 78.5	18,000*	(ft)	(deg.)	(lbs)
45.0	77.9	24,000*				50.0	77.8	24,000*				55.0	77.4	20,000*				60.0	77.0	18,000*			
50.0 <b>55.0</b>	76.2 <b>74.4</b>	24,000* <b>24,000</b> *	50.0 <b>55.0</b>	79.2 <b>77.4</b>	21,000* <b>21,000</b> *	55.0 <b>60.0</b>	76.1 <b>74.4</b>	24,000* <b>24,000</b> *	55.0 <b>60.0</b>	79.9 <b>78.2</b>	15,320* <b>14,720</b> *	60.0 <b>65.0</b>	75.9 <b>74.3</b>	20,000* <b>20,000</b> *	65.0	78.8	11,170*	65.0 <b>70.0</b>	75.6 <b>74.1</b>	17,700* <b>16,570</b> *	70.0	79.3	8,950*
60.0	72.6	23,980	60.0	75.6	20,540*	65.0	72.8	21,730	65.0	76.5	14,170*	70.0	72.8	19,480*	70.0	77.2	10,780*	75.0	72.5	15,520*	75.0	77.7	8,590*
65.0	70.9	21,450	65.0	73.8	19,770*	70.0	71.1	19,590	70.0	74.8	13,690*	75.0	71.1	17,850	75.0	75.5	10,380*	80.0	71.0	14,630*	80.0	76.1	8,310*
70.0 <b>75.0</b>	69.1 <b>67.2</b>	19,330 <b>17,390</b>	70.0 <b>75.0</b>	72.0 <b>70.0</b>	19,060* <b>17,940</b>	75.0 <b>80.0</b>	69.3 <b>67.6</b>	17,650 <b>16,090</b>	75.0 <b>80.0</b>	72.9 <b>71.2</b>	13,180* <b>12,760</b> *	80.0 <b>85.0</b>	69.4 <b>67.8</b>	16,260 <b>14,880</b>	80.0 <b>85.0</b>	73.8 <b>72.1</b>	10,030* <b>9,720</b> *	85.0 <b>90.0</b>	69.4 <b>67.9</b>	13,840* <b>13,130</b> *	85.0 <b>90.0</b>	74.5 <b>72.9</b>	8,020* <b>7,760</b> *
80.0	65.3	15,850	80.0	68.1	16,330	85.0	65.9	14,720	85.0	69.4	12,760	90.0	66.2	13,660	90.0	70.4	9,720 9,430*	95.0	66.2	12,450*	95.0	71.2	7,510*
85.0	63.5	14,480	85.0	66.2	14,940	90.0	64.1	13,510	90.0	67.6	12,030*	95.0	64.4	12,520	95.0	68.6	9,120*	100.0	64.6	11,680	100.0	69.5	7,270*
90.0 <b>95.0</b>	61.6 <b>59.5</b>	13,290 <b>12,160</b>	90.0 <b>95.0</b>	64.3 <b>62.2</b>	13,690 <b>12,540</b>	95.0 <b>100.0</b>	62.2 <b>60.3</b>	12,360 <b>11,410</b>	95.0 <b>100.0</b>	65.6 <b>63.7</b>	11,680* <b>11,370</b> *	100.0 <b>105.0</b>	62.7 <b>60.9</b>	11,570 <b>10,710</b>	100.0 <b>105.0</b>	66.8 <b>65.0</b>	8,880* <b>8,660</b> *	105.0 <b>110.0</b>	63.0 <b>61.4</b>	10,820 <b>10,050</b>	105.0 <b>110.0</b>	67.8 <b>66.1</b>	7,070* <b>6,870</b> *
100.0	57.5	11,220	100.0	60.1	11,550	105.0	58.5	10,580	105.0	61.8	10,970	110.0	59.2	9,940	110.0	63.2	8,440*	115.0	59.6	9,300	115.0	64.3	6,700*
105.0	55.5	10,380	105.0	58.1	10,690	110.0	56.6	9,810	110.0	59.8	10,180	115.0	57.3	9,190	115.0	61.2	8,220*	120.0	57.9	8,660	120.0	62.5	6,520*
110.0	53.4	9,630	110.0	55.9	9,890	115.0	54.5	9,060	115.0	57.6	9,410	120.0	55.4	8,550	120.0	59.3	8,040*	125.0	56.1	8,060	125.0	60.7	6,370*
<b>115.0</b> 120.0	<b>51.1</b> 48.9	<b>8,900</b> 8,260	<b>115.0</b> 120.0	<b>53.5</b> 51.3	<b>9,120</b> 8,480	<b>120.0</b> 125.0	<b>52.5</b> 50.4	<b>8,420</b> 7,840	<b>120.0</b> 125.0	<b>55.5</b> 53.4	<b>8,730</b> 8,130	<b>125.0</b> 130.0	<b>53.5</b> 51.6	<b>7,980</b> 7,450	<b>125.0</b> 130.0	<b>57.3</b> 55.3	<b>7,870</b> * 7,710*	<b>130.0</b> 135.0	<b>54.3</b> 52.5	<b>7,530</b> 7,030	<b>130.0</b> 135.0	<b>58.8</b> 56.9	<b>6,230</b> * 6,100*
125.0	46.6	7,690	.20.0	3.10	0,100	130.0	48.2	7,310	12510	551.	0,.50	135.0	49.5	6,940	135.0	53.1	7,250	140.0	50.5	6,540	140.0	54.7	5,970*
130.0	44.2	7,180				135.0	46.0	6,830				140.0	47.3	6,450				145.0	48.5	6,120	145.0	52.7	5,860*
<b>135.0</b> 140.0	<b>41.7</b> 38.8	<b>6,700</b> 6,060*				<b>140.0</b> 145.0	<b>43.5</b> 41.1	<b>6,370</b> 5,880*				1 <b>45.0</b> 150.0	<b>45.1</b> 42.9	<b>6,040</b> 5,640*				<b>150.0</b> 155.0	<b>46.5</b> 44.4	<b>5,730</b> 5,350*			
145.0	36.0	5,400*				150.0	38.5	5,290*				155.0	40.5	5,090*				160.0	42.0	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*				<b>165.0</b> 170.0	<b>35.1</b> 32.2	<b>4,010</b> * 3,500*				<b>170.0</b> 175.0	<b>37.3</b> 34.7	<b>3,880</b> * 3,410*			
Ree	ves	1	Ree	ves	1	Ree	VAS	1	Ree	ves	1	Ree	_	1	Ree	Ves	1		ves	1	Rec	eves	1
							400					1400	VC3			400							
	150	)' Boo			•	1.00	100		100	100		TWC	VCS		1.00	703	•					7100	
	150				•	100	100		t Jib			Tec	ves	À.	t Jib	100	'				ft Jib	7.00	
			m ft Jib						ft Jib	1		Tec		À.	t Jib		'				ft Jib		
lood	10	30 f O set An	m ft Jib agle (d	eg.)			10	40 f O set An	ft Jib ngle (de	eg.) 30			10	50 t O set Ar	ft Jib ngle (d	eg.) 30			10	601 O set Ar	ft Jib ngle (d	leg.) 30	
Load Padius (ft)	10 Boom Angle (deg.)	30 f O set And Rated Load (lbs)	m ft Jib	eg.) 30 Boom		Load Radius (ft)	10 Boom Angle (deg.)	40 f O set An Rated Load (lbs)	ft Jib	eg.)		Load Radius (ft)	10 Boom Angle (deg.)	50 t O set Ar Rated Load (lbs)	t Jib	eg.)		Load Radius (ft)	10 Boom Angle (deg.)	60 i O set Ar Rated Load (lbs)	ft Jib	leg.) 30	Rated Load (lbs)
Radius (ft) 45.0	10 Boom Angle (deg.) 78.6	30 f O set An Rated Load (lbs) 24,000*	m Et Jib ogle (di Load Radius (ft)	30 Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft) 45.0	Boom Angle (deg.)	A0 f O set An Rated Load (lbs) 24,000*	et Jib ngle (de Load Radius	eg.) 30 Boom Angle	Rated Load	Load Radius (ft) 50.0	10 Boom Angle (deg.) 79.6	Set Arr.  Rated Load (lbs)  20,000*	egle (de Load Radius	eg.) 30 Boom Angle	Rated Load	Load Radius (ft) 55.0	10 Boom Angle (deg.) 79.1	Rated Load (lbs) 18,000*	ft Jib ngle (d Load Radius	leg.) 30 Boom Angle	Rated Load
Radius (ft)	10 Boom Angle (deg.)	30 f O set And Rated Load (lbs)	t Jib ngle (di Load Radius	eg.) 30 Boom Angle	Rated Load	Load Radius (ft)	10 Boom Angle (deg.)	40 f O set An Rated Load (lbs)	et Jib ngle (de Load Radius	eg.) 30 Boom Angle	Rated Load	Load Radius (ft)	10 Boom Angle (deg.)	50 t O set Ar Rated Load (lbs)	egle (de Load Radius	eg.) 30 Boom Angle	Rated Load	Load Radius (ft)	10 Boom Angle (deg.)	60 i O set Ar Rated Load (lbs)	ft Jib ngle (d Load Radius	leg.) 30 Boom Angle	Rated Load
### Adjust (ft) 45.0	78.6 75.3 73.6	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 23,800	Et Jib Ogle (de Radius (ft)  50.0 55.0 60.0	eg.) 30 Boom Angle (deg.) 79.9 78.1 76.4	Pated Load (lbs)  21,000* 21,000* 20,890*	Load Radius (ft) 45.0 50.0 55.0 60.0	80.0 78.5 76.8 75.3	## A0 f    Pated   Load ( lbs)	Et Jib Ogle (do Radius (ft)	eg.) 30 Boom Angle (deg.)	Pated Load (lbs)	Load Radius (ft) 50.0 55.0 60.0 65.0	79.6 75.1	50 to 50 to 50 set Arr  Pated Load (lbs) 20,000* 20,000* 20,000* 20,000*	Et Jib Ogle (de Load Radius (ft)	eg.) 30 Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft) 55.0 60.0 65.0 70.0	79.1 76.3 74.9	60 f O set Ar Pated Load (lbs) 18,000* 18,000* 17,120*	ft Jib ngle (d Load Radius (ft)	Jeg.) 30 Boom Angle (deg.)	Rated Load (lbs)
### Adius (ft) 45.0 <b>50.0</b> 55.0	78.6 77.0 73.6 72.0	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 21,270	Et Jib ogle (de Load Radius (ft) 50.0 55.0 60.0 65.0	eg.) 30 Boom Angle (deg.) 79.9 78.1 76.4 74.8	Pated Load (lbs)  21,000* 21,000* 20,890* 20,150*	Load Radius (ft) 45.0 50.0 55.0	80.0 78.5 76.8 73.7	## A0 f    Pated   Load ( lbs)     24,000*     24,000*     24,000*     24,000*     21,580	Load Radius (ft) 60.0 65.0	eg.) 30 Boom Angle (deg.) 78.9 77.3	Rated Load (lbs)  14,920* 14,390*	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0	79.6 78.1 76.6 75.1 73.7	50 to Set Ard Load (lbs)  20,000* 20,000* 20,000* 19,640	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	79.1 76.3 74.9 73.4	Rated Load (lbs)  18,000* 18,000* 18,000* 16,040*	Et Jib ogle (d Load Radius (ft)  70.0 75.0	30 Boom Angle (deg.) 79.9 78.3	### Rated Load (lbs)  9,060* 8,700*
45.0 <b>50.0</b> 55.0 <b>60.0</b> 65.0 <b>70.0</b> 75.0	78.6 77.0 75.3 73.6 72.0 70.3 68.5	30 f O set An Cload (lbs) 24,000* 24,000* 24,000* 21,270 19,150 17,210	ft Jib gle (de Radius (ft) 50.0 65.0 70.0 75.0	79.9 78.1 76.4 74.8 73.1 71.2	Pated Load (lbs)  21,000* 21,000* 20,890* 20,150* 19,440* 17,810	Load Radius (ft) 45.0 50.0 55.0 60.0 70.0 75.0	80.0 78.5 76.8 75.3 73.7 72.1	Rated Load (lbs) 24,000* 24,000* 24,000* 21,580 19,420 17,480	Et Jib ogle (do Radius (ft) 60.0 65.0 70.0 75.0	eg.) 30 Boom Angle (deg.) 78.9 77.3 75.7 73.9	Rated Load (lbs)  14,920* 14,390* 13,910* 13,420*	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0	79.6 78.1 76.6 75.1 73.7 72.1	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090	Load Radius (ft)  65.0 70.0 75.0 80.0	eg.) 30 Boom Angle (deg.) 79.4 77.9 76.3 74.7	Rated Load (lbs)  11,330* 10,930* 10,530* 10,200*	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0	79.1 77.7 76.3 74.9 73.4 71.9 70.5	Pated Load (lbs) 18,000* 18,000* 18,000* 16,040* 15,160* 14,350*	Ft Jib ogle (de Radius (ft) 70.0 75.0 80.0 85.0	79.9 76.8 75.3	9,060* 8,700* 8,130*
### Associated Report	78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8	30 f O set An D set An Cload (lbs) 24,000* 24,000* 24,000* 21,270 19,150 17,210 15,670	ft Jib gle (de Radius (ft) 50.0 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 50.0 55.0 60.0 65.0 70.0 75.0 80.0	80.0 78.5 76.8 75.3 73.7 72.1 70.5 68.8	Rated Load (lbs) 24,000* 24,000* 24,000* 21,580 19,420 17,480 15,890	60.0 65.0 75.0 80.0	eg.) 30 Boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3	Rated Load (lbs)  14,920* 14,390* 13,910* 13,420* 13,000*	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	79.6 78.1 76.6 75.1 70.5 69.0	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700	65.0 70.0 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 Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0	Rated Load (lbs) 18,000* 18,000* 17,120* 16,040* 15,160* 14,350* 13,620	Ft Jib ogle (de Radius (ft) 70.0 75.0 80.0 85.0 90.0	79.9 78.3 76.8 75.3 73.8	9,060* 8,700* 8,420* 8,130* 7,890*
45.0 <b>50.0</b> 55.0 <b>60.0</b> 65.0 <b>70.0</b> 75.0	78.6 77.0 75.3 73.6 72.0 70.3 68.5	30 f O set An Cload (lbs) 24,000* 24,000* 24,000* 21,270 19,150 17,210	ft Jib gle (de Radius (ft) 50.0 65.0 70.0 75.0	eg.) 30 Boom Angle (deg.) 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7	Pated Load (lbs)  21,000* 21,000* 20,890* 20,150* 19,440* 17,810	Load Radius (ft) 45.0 50.0 55.0 60.0 70.0 75.0	80.0 78.5 76.8 75.3 73.7 72.1	Rated Load (lbs) 24,000* 24,000* 24,000* 21,580 19,420 17,480	Et Jib ogle (do Radius (ft) 60.0 65.0 70.0 75.0	eg.) 30 Boom Angle (deg.) 78.9 77.3 75.7 73.9	Rated Load (lbs)  14,920* 14,390* 13,910* 13,420*	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0	79.6 78.1 76.6 75.1 73.7 72.1	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090	Load Radius (ft)  65.0 70.0 75.0 80.0	eg.) 30 Boom Angle (deg.) 79.4 77.9 76.3 74.7	Rated Load (lbs)  11,330* 10,930* 10,530* 10,200*	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0	79.1 77.7 76.3 74.9 73.4 71.9 70.5	Pated Load (lbs) 18,000* 18,000* 18,000* 16,040* 15,160* 14,350*	Ft Jib ogle (de Radius (ft) 70.0 75.0 80.0 85.0	79.9 76.8 75.3 76.8 75.3 73.8 72.2	9,060* 8,700* 8,130*
### April 12  ##	78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 61.4	30 f 2 set Ara Pated Load (lbs) 24,000* 24,000* 24,000* 23,800 21,270 19,150 17,210 15,670 14,300 13,110 11,990	Ft Jib ggle (dd Radius (ft) 50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0	eg.) 300 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* 19,4481 16,200 14,790 13,530 12,360	Load Radius (ft) 45.0 50.0 55.0 60.0 70.0 75.0 80.0 85.0 90.0 95.0	76.8 75.3 73.7 72.1 70.5 68.8 67.2 65.6 63.8	Rated Load (lbs) 24,000* 24,000* 24,000* 21,580 19,420 17,480 15,890 14,520 13,310 12,190	60.0 65.0 75.0 80.0 95.0 95.0	78.9 77.3 75.7 73.9 70.6 68.9 67.1	Rated Load (lbs)  14,920* 14,390* 13,910* 13,420* 12,630* 12,270* 11,920*	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0	79.6 (deg.) 79.6 78.1 76.6 75.1 70.5 69.0 67.5 65.8 64.2	Rated Load (lbs) 20,000* 20,000* 20,000* 19,640 17,680 14,700 13,490 12,340 11,390	65.0 70.0 85.0 90.0 95.0 100.0	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 75.0 80.0 85.0 90.0 95.0 100.0	79.1 77.7 76.3 74.9 70.5 69.0 67.4 65.9 64.4	Rated Load (fbs) 18,000* 18,000* 17,120* 16,040* 13,620 12,450 11,500 10,640	70.0 75.0 80.0 95.0 100.0 105.0	79.9 78.3 76.8 73.8 72.2 70.6 69.1	9,060* 8,700* 8,420* 8,130* 7,620* 7,400* 7,200*
### Action	78.6 77.0 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 61.4 59.6	30 f 2 set An Pated Load (lbs) 24,000* 24,000* 24,000* 23,800 21,270 19,150 17,210 15,670 14,300 13,110 11,990 11,040	Fit Jib agle (d Radius (ft) 50.0 65.0 65.0 70.0 85.0 99.0 95.0 100.0	eg.) 30 Boom Angle (deg.) 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9	Rated Load (lbs)  21,000* 21,000* 20,890* 20,150* 19,440* 17,480* 16,200 14,790 13,530 12,360 11,390	Load Radius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0	76.8 75.3 73.7 72.1 66.8 67.2 65.6 63.8 62.1	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 21,580 19,420 17,480 15,890 14,520 13,310 12,190 11,240	Load Radius (ft)  60.0 65.0 70.0 85.0 90.0 95.0 100.0	78.9 77.3 75.7 70.6 68.9 67.1 65.3	Rated Load (lbs)  14,920* 14,390* 13,910* 13,420* 12,630* 12,270* 11,920* 11,610*	Load Radius (tt) 50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 105.0	79.6 78.1 76.6 75.1 72.1 70.5 69.0 67.5 65.8 64.2 62.6	Rated Load (lbs) 20,000* 20,000* 20,000* 19,640 17,6809 14,700 13,490 12,340 11,390 10,530	Load Radius (ft)  65.0 70.0 75.0 85.0 90.0 90.0 100.0 105.0	79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5	Rated Load (lbs)  11,330* 10,930* 10,530* 10,200* 9,870* 9,590* 9,300* 9,060* 8,810*	Load Radius (tt) 55.0 60.0 65.0 70.0 80.0 95.0 100.0 110.0	79.1 76.3 74.9 70.5 69.0 67.4 65.9 64.4 62.9	Rated Load (fls) 18,000* 18,000* 17,120* 16,040* 13,620 12,450 11,500 10,640 9,850	To.0 Pos. 100.0 Pos. 100.0 Pos. 100.0 Pos. 110.0 Pos. 1	79.9 78.3 76.8 77.3 76.8 72.2 70.6 69.1 67.5	9,060* 8,700* 8,420* 8,130* 7,620* 7,400* 7,200* 7,010*
### Redius (ft)  45.0  50.0  55.0  60.0  65.0  75.0  80.0  95.0  100.0  105.0  110.0	78.6 77.0 78.6 77.0 70.3 68.5 66.8 61.4 59.6 57.7 55.8	30 f 2 set Ara Pated Load (lbs) 24,000* 24,000* 24,000* 23,800 21,270 19,150 17,210 15,670 14,300 13,110 11,990	Ft Jib ggle (dd Radius (ft) 50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0	79.9 78.1 74.8 73.1 76.5 69.5 69.5 63.9 62.1 60.2	Pated Load (lbs)  21,000* 20,890* 20,150* 19,4481 16,200 14,790 13,530 12,360	Load Radius (ft) 45.0 50.0 55.0 60.0 70.0 75.0 80.0 85.0 90.0 95.0	76.8 75.3 73.7 72.1 70.5 68.8 67.2 65.6 63.8	## Act of Control of C	60.0 65.0 75.0 80.0 85.0 90.0 100.0 110.0	78.9 77.3 75.7 73.9 72.3 70.6 68.9 65.3 63.5 61.7	Rated Load (lbs)  14,920* 14,390* 13,910* 13,420* 12,630* 12,270* 11,920*	Load Radius (ft) 50.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0 90.0 105.0 110.0 115.0	79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 69.0 67.5 69.0 67.5 69.0 67.5 69.0 69.0 67.5 69.0 67.5 69.0 67.5 69.0 67.5	Fated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700 13,490 12,340 10,530 9,760 9,010	65.0 70.0 85.0 90.0 95.0 100.0	79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2	Pated Load (lbs)  11,330* 10,930* 10,530* 10,200* 9,590* 9,300* 8,810* 8,590* 8,390*	Load Radius (ft) 55.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0	79.1 77.7 76.3 74.9 70.5 69.0 67.4 65.9 64.4	Rated Load (fbs) 18,000* 18,000* 17,120* 16,040* 13,620 12,450 11,500 10,640	70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0	79.9 78.3 76.8 75.3 76.8 72.2 70.6 65.7 64.1	9,060* 8,700* 8,420* 8,130* 7,890* 7,620* 7,400* 7,200* 7,010* 6,830* 6,650*
### Redius (ft)  45.0  50.0  55.0  60.0  75.0  80.0  95.0  100.0  105.0  115.0	78.6 77.0 78.6 77.0 75.3 73.6 68.5 66.8 65.1 65.1 59.6 57.7 55.8 53.7	Rated Load (lbs)  24,000* 24,000* 24,000* 21,270 19,150 17,210 15,670 14,300 13,110 11,990 11,040 10,200 9,430 8,700	Ft Jib gle (d Padius (ft) 50.0 65.0 65.0 75.0 80.0 85.0 995.0 90.0 100.0 115.0 115.0	eg.) 30 Boom Angle (deg.) 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 62.1 60.2 58.2 56.1	Pated Load (lbs)  21,000* 21,000* 20,890* 20,150* 17,810 16,200 14,790 13,530 12,360 11,390 10,510 9,720 8,970	Load Radius (ft) 45.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 100.0 115.0	78.5 78.5 76.8 77.2 70.5 66.8 67.2 65.6 66.3 56.7	## Au to 10 Set And Load (lbs) 24,000* 24,000* 24,000* 24,000* 21,580 19,420 17,480 15,890 14,520 13,310 12,190 11,240 10,380 9,610 8,860	60.0 65.0 70.0 85.0 990.0 100.0 115.0 115.0	78.9 77.3 75.7 73.9 72.3 70.6 68.9 66.9 66.9 61.7 59.7	Rated Load (lbs)  14,920* 14,390* 13,910* 13,420* 12,630* 12,630* 12,630* 11,920* 11,610* 10,820 10,030 9,230	Load Radius (ti) 50.0 65.0 65.0 75.0 80.0 85.0 90.0 90.0 105.0 110.0 115.0 120.0	79.6 75.1 78.1 76.6 75.1 70.5 69.0 67.5 65.8 66.8 66.9 59.1 57.4	Pated Load (lbs) 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	65.0 70.0 85.0 90.0 90.0 105.0 110.0 120.0	79.4 77.9 76.3 74.7 77.1 71.5 69.8 66.5 64.8 62.9 61.2	Rated Load (lbs)  11,330* 10,930* 10,530* 10,200* 9,870* 9,590* 9,006* 8,810* 8,590* 8,390* 8,200*	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 122.0 125.0	79.1 77.7 76.3 74.9 70.5 69.0 67.4 65.9 61.2 59.6 58.0	Rated Load (lbs) 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	70.0 75.0 80.0 95.0 100.0 115.0 125.0 125.0	79.9 78.3 76.8 75.3 76.8 72.2 66.1 67.5 65.7 64.1 62.4	9,060* 8,700* 8,420* 8,130* 7,890* 7,620* 7,200* 7,200* 7,010* 6,830* 6,650* 6,500*
### Redius (ft)   45.0   50.0   55.0   60.0   65.0   70.0   85.0   90.0   95.0   100.0   115.0   120.0	78.6 77.0 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 65.1 57.7 55.8 53.7 51.7	Rated Load (fbs) 24,000* 24,000* 24,000* 23,800 17,210 15,670 14,300 13,110 11,900 11,0200 9,430 8,700 8,090	Et Jib gle (d Padius (t) 50.0 65.0 65.0 75.0 80.0 85.0 99.0 100.0 105.0 110.0	79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 60.2 58.2 56.1	Pated Load (lbs)  21,000* 21,000* 20,890* 20,150* 19,440* 17,810 16,200 14,790 13,530 11,390 10,510 9,720	Load Radius (ft) 45.0 50.0 65.0 70.0 75.0 80.0 90.0 105.0 110.0	70.5 68.8 62.1 60.3 58.6	## Au 10	60.0 65.0 75.0 80.0 85.0 90.0 100.0 110.0	78.9 77.3 75.7 73.9 72.3 70.6 68.9 65.3 63.5 61.7	Rated Load (lbs)  14,920* 14,390* 13,910* 13,420* 12,630* 12,270* 11,920* 11,610* 10,820 10,030 9,230 8,570	Load Radius (ft) 50.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0 90.0 105.0 110.0 115.0	79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 69.0 67.5 69.0 67.5 69.0 60.9 59.1	Rated Load (lbs) 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	Control of the state of the sta	79.4 77.9 76.3 74.7 73.1 71.5 69.8 66.5 64.8 62.9	Pated Load (lbs)  11,330* 10,930* 10,530* 10,200* 9,590* 9,300* 8,810* 8,590* 8,390*	Load Radius (ft) 55.0 60.0 65.0 70.0 85.0 90.0 99.0 110.0 115.0 120.0 120.0	70.5 69.0 66.9 66.9 66.9 66.9 69.0 67.4 66.9 61.2 59.6	Rated Load (lbs) 18,000* 18,000* 18,000* 17,120* 16,040* 14,350* 13,620 12,450 11,500 10,640 9,850 9,100 8,460	70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0	79.9 78.3 76.8 75.3 76.8 75.3 76.6 69.1 66.7 66.1 62.4 60.7	9,060* 8,700* 8,420* 8,130* 7,890* 7,620* 7,400* 7,010* 6,830* 6,650* 6,500* 6,370*
### Actions (ft) ### Ac	78.6 77.0 75.3 73.6 68.5 66.8 65.1 63.3 61.4 59.6 57.7 49.6 47.5	30 f 2 set Arn Rated Load (lbs) 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	Ft Jib gle (d Padius (ft) 50.0 65.0 75.0 80.0 85.0 95.0 1100.0 115.0 1120.0 115.0 120.0	79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 60.2 58.2 56.1	Pated Load (lbs)  21,000* 21,000* 20,890* 20,150* 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 50.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 125.0 130.0	78.5 76.8 77.5 68.8 67.2 65.6 63.8 62.1 60.3 58.6 52.9 51.0	## Au 10	60.0 65.0 70.0 85.0 99.0 110.0 115.0 120.0	78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 65.3 61.7 59.7 57.8	Rated Load (lbs)  14,920* 14,390* 13,910* 13,420* 12,630* 12,630* 12,630* 11,920* 11,610* 10,820 10,030 9,230	Load Radius (ft) 50.0 65.0 70.0 75.0 85.0 90.0 95.0 100.0 115.0 120.0 125.0 130.0 135.0	79.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 52.0	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700 13,490 12,340 11,390 9,760 9,010 8,370 7,780 7,250 6,740	65.0 70.0 75.0 80.0 85.0 90.0 110.0 125.0 135.0 135.0 135.0	79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 62.9 61.2 59.3 57.5 55.6	Rated Load (lbs)  11,330* 10,930* 10,530* 10,200* 9,590* 9,300* 9,060* 8,810* 8,590* 8,200* 8,020* 7,620 7,090	Load Radius (ft) 55.0 60.0 65.0 75.0 80.0 85.0 90.0 100.0 110.0 125.0 130.0 135.0 140.0	79.1 77.7 76.3 74.9 70.5 69.0 67.4 65.9 64.4 62.9 58.0 56.3 54.6 52.8	Rated 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 6,830 6,340	70.0 75.0 80.0 85.0 90.0 115.0 125.0 135.0 140.0 140.0	79.9 78.3 76.8 75.3 76.8 75.3 76.6 69.1 67.5 65.7 66.1 60.7 58.9 57.0	9,060* 8,700* 8,420* 8,130* 7,890* 7,620* 7,200* 7,010* 6,850* 6,500* 6,500* 6,210* 6,080*
Radius (ft) 45.0 50.0 55.0 60.0 75.0 80.0 85.0 90.0 100.0 110.0 125.0 130.0 135.0	78.6 77.0 75.3 73.6 72.0 68.5 66.8 65.1 63.3 61.4 59.6 57.7 55.8 53.7 49.6 47.5 45.3	30 f 2 set Ara Pated Load (lbs) 24,000* 24,000* 24,000* 23,800 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	Ft Jib gle (d Padius (ft) 50.0 65.0 75.0 80.0 85.0 95.0 1100.0 115.0 1120.0 115.0 120.0	79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 60.2 58.2 56.1	Pated Load (lbs)  21,000* 21,000* 20,890* 20,150* 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 50.0 55.0 66.0 75.0 85.0 95.0 100.0 115.0 115.0 125.0 135.0	78.5 75.3 772.1 70.5 68.8 67.2 65.6 63.8 62.1 60.3 58.6 56.7 54.8 52.9 51.0 49.0	## Au 10	60.0 65.0 70.0 85.0 995.0 110.0 115.0 125.0 125.0	78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7 57.8 55.8	Rated Load (lbs)  14,920* 14,390* 13,910* 13,420* 12,630* 12,270* 11,920* 11,610* 10,820 10,030 9,230 8,570 7,950	Load Radius (ft) 50.0 65.0 65.0 75.0 85.0 90.0 95.0 100.0 115.0 125.0 130.0 135.0 140.0	79.6 78.1 77.5 69.0 67.5 66.8 64.2 62.6 60.9 59.1 55.7 53.9 50.0	Rated Load (lbs) 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700 13,490 12,340 11,390 10,530 9,700 8,370 7,780 7,780 7,250 6,740 6,260	65.0 70.0 85.0 90.0 90.0 110.0 125.0 130.0	79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2 59.3 57.5	Rated Load (lbs)  11,330* 10,930* 10,530* 10,200* 9,590* 9,300* 9,060* 8,810* 8,590* 8,200* 8,200* 8,020* 7,620	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 1120.0 135.0 140.0 145.0 145.0	79.1 77.7 76.3 77.9 73.4 71.9 70.5 69.0 67.4 65.9 61.2 59.6 58.0 58.0 54.6 52.8 51.0	Rated Load (lbs) 18,000* 18,000* 18,000* 16,040* 15,160* 14,350* 13,620 12,450 11,500 10,640 9,850 9,100 8,460 7,870 7,340 6,830 6,340 5,930	70.0 75.0 80.0 85.0 90.0 110.0 115.0 125.0 135.0 140.0 145.0 145.0	79.9 78.3 76.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4 60.7 58.9 57.0 55.1	9,060* 8,700* 8,420* 8,130* 7,620* 7,400* 7,200* 7,010* 6,650* 6,500* 6,500* 6,210* 6,080* 5,970*
### Actions (ft) ### Ac	78.6 77.0 75.3 73.6 72.0 68.5 66.8 65.1 63.3 61.4 59.6 57.7 55.8 53.7 49.6 47.5 45.3 42.8	30 f 2 set Arn Rated Load (lbs) 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	Ft Jib gle (d Padius (ft) 50.0 65.0 75.0 80.0 85.0 95.0 1100.0 115.0 1120.0 115.0 120.0	79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 60.2 58.2 56.1	Pated Load (lbs)  21,000* 21,000* 20,890* 20,150* 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 50.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 125.0 130.0	78.5 76.8 77.5 68.8 67.2 65.6 63.8 62.1 60.3 58.6 52.9 51.0	## Au 10	60.0 65.0 70.0 85.0 995.0 110.0 115.0 125.0 125.0	78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7 57.8 55.8	Rated Load (lbs)  14,920* 14,390* 13,910* 13,420* 12,630* 12,270* 11,920* 11,610* 10,820 10,030 9,230 8,570 7,950	Load Radius (ft) 50.0 65.0 70.0 75.0 85.0 90.0 95.0 100.0 115.0 120.0 125.0 130.0 135.0	79.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 52.0	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700 13,490 12,340 11,390 9,760 9,010 8,370 7,780 7,250 6,740	65.0 70.0 75.0 80.0 85.0 90.0 110.0 125.0 135.0 135.0 135.0	79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 62.9 61.2 59.3 57.5 55.6	Rated Load (lbs)  11,330* 10,930* 10,530* 10,200* 9,590* 9,300* 9,060* 8,810* 8,590* 8,200* 8,020* 7,620 7,090	Load Radius (ft) 55.0 60.0 65.0 75.0 80.0 85.0 90.0 100.0 110.0 125.0 130.0 135.0 140.0	79.1 77.7 76.3 74.9 70.5 69.0 67.4 65.9 64.4 62.9 58.0 56.3 54.6 52.8	Rated 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 6,830 6,340	70.0 75.0 80.0 85.0 90.0 115.0 125.0 135.0 140.0 140.0	79.9 78.3 76.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4 60.7 58.9 57.0 55.1	Pated Load (lbs)  9,060* 8,700* 8,420* 8,130* 7,620* 7,200* 7,010* 6,830* 6,650* 6,500* 6,370* 6,210* 6,080*
Radius (ft) 45.0 55.0 60.0 65.0 65.0 770.0 88.0 99.0 95.0 110.0 115.0 120.0 1330.0 144.0 145.0 150.0	78.6 77.0 78.6 77.0 75.3 73.6 68.5 66.8 65.1 63.3 61.4 59.6 57.7 55.8 53.7 51.7 44.6 47.5 49.6 47.5 49.6 40.3 37.8	30 f 2 set Ara Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 23,800 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* 5,420* 4,820*	Ft Jib gle (d Padius (ft) 50.0 65.0 75.0 80.0 85.0 95.0 1100.0 115.0 1120.0 115.0 120.0	79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 60.2 58.2 56.1	Pated Load (lbs)  21,000* 21,000* 20,890* 20,150* 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 50.0 65.0 70.0 75.0 80.0 85.0 90.0 105.0 115.0 125.0 135.0 140.0 145.0 150.0	76.8 77.21 70.5 68.8 67.2 65.6 62.1 60.3 58.6 62.1 60.3 58.6 52.9 46.7 44.6 42.3	## Act of Control of C	60.0 65.0 70.0 85.0 995.0 110.0 115.0 125.0 125.0	78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7 57.8 55.8	Rated Load (lbs)  14,920* 14,390* 13,910* 13,420* 12,630* 12,270* 11,920* 11,610* 10,820 10,030 9,230 8,570 7,950	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 99.0 105.0 115.0 125.0 130.0 135.0 145.0 155.0 155.0	70.0 70.0	Fated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700 13,490 10,530 9,760 9,010 8,370 7,780 7,780 7,780 7,780 6,740 6,260 5,840 5,460 4,980*	65.0 70.0 75.0 80.0 85.0 90.0 110.0 125.0 135.0 135.0 135.0	79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 62.9 61.2 59.3 57.5 55.6	Rated Load (lbs)  11,330* 10,930* 10,530* 10,200* 9,590* 9,300* 9,060* 8,810* 8,590* 8,200* 8,020* 7,620 7,090	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 125.0 135.0 140.0 155.0 155.0 160.0	70.5 69.0 65.9 65.9 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0	Rated Load (lbs) 18,000* 18,000* 18,000* 18,000* 17,120* 16,040* 15,160* 11,500 11,500 11,500 10,640 9,850 9,100 8,460 7,870 7,340 6,830 6,340 5,530 5,150* 4,670*	70.0 75.0 80.0 85.0 90.0 110.0 115.0 125.0 135.0 140.0 145.0 145.0	79.9 78.3 76.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4 60.7 58.9 57.0 55.1	9,060* 8,700* 8,420* 8,130* 7,620* 7,400* 7,200* 7,010* 6,650* 6,500* 6,500* 6,210* 6,080* 5,970*
Radius (ft) 45.0 55.0 60.0 65.0 770.0 775.0 88.0 99.0 95.0 110.0 115.0 1220.0 1330.0 1440.0 145.0 155.0	78.6 77.0 78.6 77.0 75.3 73.6 68.5 66.8 66.8 63.3 61.4 59.6 57.7 55.8 53.7 49.6 47.5 49.6 47.5 49.6 47.5 49.6 47.5 37.8	Rated Load (lbs)  24,000* 24,000* 24,000* 24,000* 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 6,010* 5,420* 4,820* 4,250*	Ft Jib gle (d Padius (ft) 50.0 65.0 75.0 80.0 85.0 95.0 1100.0 115.0 1120.0 115.0 120.0	79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 60.2 58.2 56.1	Pated Load (lbs)  21,000* 21,000* 20,890* 20,150* 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 70.0 75.0 80.0 105.0 115.0 125.0 135.0 145.0 155.0 155.0	76.8 77.5 76.8 77.3 77.2 1 70.5 66.8 67.2 65.6 65.7 54.8 52.9 51.0 49.0 49.0 49.0 49.0 49.0 49.0 49.0 49	## Autor	60.0 65.0 70.0 85.0 995.0 110.0 115.0 125.0 125.0	78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7 57.8 55.8	Rated Load (lbs)  14,920* 14,390* 13,910* 13,420* 12,630* 12,270* 11,920* 11,610* 10,820 10,030 9,230 8,570 7,950	Load Radius (ti) 50.0 65.0 65.0 75.0 80.0 85.0 90.0 95.0 110.0 125.0 130.0 135.0 140.0 155.0 150.0 160.0	79.6 78.1 76.6 75.1 70.5 69.0 67.5 69.0 67.5 69.0 67.5 65.2 62.6 60.9 59.1 57.4 55.7 53.9 52.0 50.0 44.0 43.9 41.6	Fated Load (lbs) 20,000* 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700 13,490 11,3490 11,3490 11,3490 10,530 9,760 9,010 8,370 7,780 7,780 7,780 7,780 6,260 5,840 5,460 4,980* 4,450*	65.0 70.0 75.0 80.0 85.0 90.0 110.0 125.0 135.0 135.0 135.0	79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 62.9 61.2 59.3 57.5 55.6	Rated Load (lbs)  11,330* 10,930* 10,530* 10,200* 9,590* 9,300* 9,060* 8,810* 8,590* 8,200* 8,020* 7,620 7,090	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 100.0 115.0 125.0 130.0 145.0 155.0 160.0 165.0	70.5 69.0 67.4 65.9 65.8 65.8 65.8 65.8 65.8 65.8 64.4 62.9 61.2 59.6 54.6 62.9 61.2 54.6 62.9 61.2 54.6 62.9 47.3 45.2 47.3	Rated Load (lbs) 18,000* 18,000* 18,000* 17,120* 16,040* 15,160* 11,500* 12,450* 11,5040 9,850 9,100 8,460 7,870 7,340 6,330 6,340 5,530 5,530 5,150* 4,670* 4,230*	70.0 75.0 80.0 85.0 90.0 110.0 115.0 125.0 135.0 140.0 145.0 145.0	79.9 78.3 76.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4 60.7 58.9 57.0 55.1	Pated Load (lbs)  9,060* 8,700* 8,420* 8,130* 7,620* 7,400* 7,200* 7,010* 6,830* 6,650* 6,570* 6,210* 6,080* 5,970*
Padius (ft) 45.0 55.0 60.0 65.0 65.0 75.0 80.0 85.0 90.0 100.0 110.0 115.0 120.0 135.0 144.0 145.0	78.6 77.0 78.6 77.0 75.3 73.6 68.5 66.8 66.8 63.3 61.4 59.6 57.7 55.8 53.7 49.6 47.5 49.6 47.5 49.6 47.5 49.6 47.5 37.8	30 f 2 set Ara Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 23,800 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* 5,420* 4,820*	Ft Jib gle (d Padius (ft) 50.0 65.0 75.0 80.0 85.0 95.0 1100.0 115.0 1120.0 115.0 120.0	79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 60.2 58.2 56.1	Pated Load (lbs)  21,000* 21,000* 20,890* 20,150* 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 50.0 65.0 70.0 75.0 80.0 85.0 90.0 105.0 115.0 125.0 135.0 140.0 145.0 150.0	76.8 77.21 70.5 68.8 67.2 65.6 62.1 60.3 58.6 62.1 60.3 58.6 52.9 46.7 44.6 42.3	## Act of Control of C	60.0 65.0 70.0 85.0 995.0 110.0 115.0 125.0 125.0	78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7 57.8 55.8	Rated Load (lbs)  14,920* 14,390* 13,910* 13,420* 12,630* 12,270* 11,920* 11,610* 10,820 10,030 9,230 8,570 7,950	Load Radius (ft) 50.0 65.0 70.0 75.0 80.0 85.0 90.0 910.0 115.0 125.0 135.0 140.0 145.0 150.0 165.0 170.0	79.6 78.1 78.1 78.7 72.1 70.5 69.0 67.5 65.8 64.2 66.9 59.1 57.4 55.7 53.9 52.0 50.0 48.1 46.0 39.3 36.8	7.250 7.250 8.370 7.250 8.370 7.250 8.370 7.250 8.370 7.250 8.370 7.250 8.370 7.250 8.370 7.250 8.370 7.250 8.370 7.250 8.370 7.250 8.370 7.250 8.370 7.250 8.370 7.250 8.370 7.250 8.370 7.250 8.370	65.0 70.0 75.0 80.0 85.0 90.0 110.0 125.0 135.0 135.0 135.0	79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 62.9 61.2 59.3 57.5 55.6	Rated Load (lbs)  11,330* 10,930* 10,530* 10,200* 9,590* 9,300* 9,060* 8,810* 8,590* 8,200* 8,020* 7,620 7,090	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 125.0 135.0 140.0 155.0 155.0 160.0	70.5 69.0 65.9 65.9 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0	Rated Load (lbs) 18,000* 18,000* 18,000* 18,000* 17,120* 16,040* 15,160* 11,500 11,500 11,500 10,640 9,850 9,100 8,460 7,870 7,340 6,830 6,340 5,530 5,150* 4,670*	70.0 75.0 80.0 85.0 90.0 110.0 115.0 125.0 135.0 140.0 145.0 145.0	79.9 78.3 76.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4 60.7 58.9 57.0 55.1	Pated Load (lbs)  9,060* 8,700* 8,420* 8,130* 7,620* 7,400* 7,200* 7,010* 6,830* 6,650* 6,500* 6,210* 6,080* 5,970*
Padius (ft) 45.0 55.0 65.0 65.0 77.0 80.0 85.0 90.0 105.0 115.0 120.0 135.0 140.0 155.0 155.0 160.0	78.6 77.0 78.6 77.0 75.3 73.6 68.5 66.8 66.8 63.3 61.4 59.6 57.7 55.8 53.7 49.6 47.5 49.6 47.5 49.6 47.5 49.6 47.5 37.8	Rated Load (lbs)  24,000* 24,000* 24,000* 24,000* 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 6,010* 5,420* 4,820* 4,250*	Ft Jib gle (d Padius (ft)  50.0 65.0 65.0 75.0 80.0 85.0 99.0 100.0 115.0 125.0	79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 60.2 58.2 56.1	Pated Load (lbs)  21,000* 21,000* 20,890* 20,150* 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 70.0 75.0 80.0 105.0 115.0 125.0 135.0 140.0 155.0 160.0 165.0	76.8 75.3 73.7 72.1 70.5 68.8 67.2 653.8 62.1 60.3 58.6 56.7 54.8 52.9 51.0 49.0 49.0 37.3	## Automatical Part	60.0 65.0 70.0 85.0 99.0 100.0 115.0 120.0 130.0	78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7 57.8 55.8	Rated Load (lbs)  14,920* 14,390* 13,910* 13,420* 12,630* 12,270* 11,920* 11,610* 10,820 10,030 9,230 8,570 7,950	Load Radius (ti) 50.0 65.0 65.0 75.0 66.0 85.0 90.0 95.0 110.0 125.0 130.0 135.0 140.0 155.0 160.0 165.0 165.0	79.6 (deg.) 79.6 (75.1 73.7 72.1 70.5 69.0 67.5 65.8 65.8 66.9 59.1 57.4 55.7 53.9 52.0 48.1 46.0 43.9 41.6 39.3 36.8 34.2	Fated Load (lbs) 20,000* 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700 13,490 12,3490 10,530 9,760 9,010 8,370 7,780 7,780 7,780 7,250 6,740 6,260 5,840 4,980* 4,450* 3,990*	65.0 70.0 75.0 80.0 85.0 90.0 110.0 125.0 135.0 135.0 135.0	79.4 77.9 76.3 74.7 77.1 71.5 69.8 66.5 64.8 62.9 61.2 59.3 57.5 55.6 53.4	Rated Load (lbs)  11,330* 10,930* 10,530* 10,200* 9,590* 9,300* 9,060* 8,810* 8,590* 8,200* 8,020* 7,620 7,090	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 125.0 130.0 140.0 155.0 160.0 175.0	79.1 77.7 76.3 74.9 70.5 69.0 67.4 65.9 61.2 59.6 58.0 54.6 52.8 51.0 49.2 47.3 45.2 43.1 41.0	Rated Load (lbs) 18,000* 18,000* 18,000* 17,120* 16,040* 15,160* 14,350* 13,620 12,450 11,5040 9,850 9,100 8,460 7,870 7,340 6,830 6,340 5,930 5,5530 5,150* 4,670* 4,230* 3,790*	70.0 75.0 80.0 85.0 90.0 110.0 125.0 130.0 140.0 150.0	79.9 78.3 76.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4 60.7 58.9 57.0 55.1	9,060* 8,700* 8,420* 8,130* 7,620* 7,400* 7,200* 7,010* 6,650* 6,500* 6,500* 6,210* 6,080* 5,970*

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

	160	)' Boo	m																				
			t <b>J</b> ib					40 f	t <b>J</b> ib					50 t	t <b>J</b> ib					60 1	ft <b>J</b> ib		
	(	O set An	gle (d	eg.)				O set An	gle (d	eg.)			(	O set Ar	gle (d	eg.)			(	O set Ar	ngle (d	leg.)	
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	Angle	Load	Radius	Angle	Load	Radius	Angle	Load	Radius	Angle	Load	Radius	Angle	Load	Radius	Angle	Load	Radius	Angle	Load	Radius	Angle	Load
(ft) 45.0	(deg.) 79.2	(lbs) 24,000*	(ft)	(deg.)	(lbs)	(ft) 50.0	(deg.) 79.0	(lbs) 24,000*	(ft)	(deg.)	(lbs)	(ft) 55.0	(deg.) 78.7	(lbs) 20,000*	(ft)	(deg.)	(lbs)	(ft) 55.0	(deg.) 79.6	(lbs) 18,000*	(ft)	(deg.)	(lbs)
50.0	77.7	24,000*				55.0	77.5	24,000*				60.0	77.3	20,000*				60.0	78.3	18,000*			
55.0	76.1	24,000*	55.0	78.8	21,000*	60.0	76.0	24,000*	60.0	79.5	15,120*	65.0	75.9	20,000*	65.0	80.0	11,440*	65.0	76.9	18,000*			
<b>60.0</b> 65.0	<b>74.5</b> 73.0	<b>23,720</b> 21,180	<b>60.0</b> 65.0	<b>77.2</b> 75.6	<b>21,000</b> * 20,500*	<b>65.0</b> 70.0	<b>74.6</b> 73.1	<b>21,470</b> 19,310	<b>65.0</b> 70.0	<b>78.0</b> 76.4	<b>14,590</b> * 14,100*	<b>70.0</b> 75.0	<b>74.5</b> 72.9	<b>19,530</b> 17,570	<b>70.0</b> 75.0	<b>78.5</b> 77.0	<b>11,060</b> * 10,670*	<b>70.0</b> 75.0	<b>75.6</b> 74.1	<b>17,650</b> * 16,570*	<b>70.0</b> 75.0	<b>80.4</b> 78.9	<b>9,140*</b> 8,810*
70.0	71.4	19,040	<b>70.0</b>	<b>74.0</b>	19,730	75.0	71.5	17,370	75.0	74.8	13,640*	80.0	71.5	15,980	80.0	75.5	10,370*	80.0	72.8	15,670*	80.0	77.5	8,530*
75.0	69.7	17,100	75.0	72.3	17,720	80.0	70.0	15,780	80.0	73.2	13,220*	85.0	70.1	14,590	85.0	74.0	10,030*	85.0	71.4	14,700	85.0	76.1	8,240*
<b>80.0</b> 85.0	<b>68.1</b> 66.5	<b>15,540</b> 14,190	<b>80.0</b> 85.0	<b>70.7</b> 69.0	<b>16,090</b> 14,680	<b>85.0</b> 90.0	<b>68.4</b> 66.9	<b>14,410</b> 13,200	<b>85.0</b> 90.0	<b>71.7</b> 70.1	<b>12,850</b> * 12,500*	<b>90.0</b> 95.0	<b>68.6</b> 67.0	<b>13,350</b> 12,210	<b>90.0</b> 95.0	<b>72.5</b> 70.9	<b>9,740</b> * 9,450*	<b>90.0</b> 95.0	<b>70.0</b> 68.5	<b>13,490</b> 12,340	<b>90.0</b> 95.0	<b>74.6</b> 73.1	<b>8,000</b> * 7,760*
90.0	64.8	12,980	90.0	<b>67.3</b>	13,440	95.0	65.2	12,050	95.0	68.4	12,140*	100.0	65.5	11,260	100.0	<b>69.3</b>	9,430*	100.0	<b>67.1</b>	11,370	100.0	71.6	7,700*
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	<b>63.8</b>	11,280	105.0	<b>62.0</b>	10,250	105.0	<b>65.1</b>	10,730	110.0	62.5	9,610	110.0	66.2	<b>8,770</b> *	110.0	64.2	<b>9,720</b> 8,970	110.0	<b>68.7</b>	<b>7,140</b> *
105.0 <b>110.0</b>	59.6 <b>57.9</b>	10,070 <b>9,300</b>	105.0 <b>110.0</b>	62.0 <b>60.2</b>	10,400 <b>9,610</b>	110.0 <b>115.0</b>	60.4 <b>58.6</b>	9,470 <b>8,730</b>	110.0 <b>115.0</b>	63.4 <b>61.5</b>	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 <b>120.0</b>	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 <b>120.0</b>	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	<b>54.1</b> 52.2	<b>7,930</b>	120.0	<b>56.3</b> 54.4	<b>8,200</b>	<b>125.0</b> 130.0	<b>55.1</b> 53.3	<b>7,510</b>	<b>125.0</b> 130.0	<b>58.0</b> 56.1	7,840	<b>130.0</b> 135.0	<b>55.9</b> 54.2	<b>7,090</b>	<b>130.0</b> 135.0	<b>59.4</b> 57.6	<b>7,510</b> 6,980	130.0	<b>58.1</b> 56.5	<b>7,180</b> 6,670	<b>130.0</b> 135.0	<b>62.3</b> 60.7	<b>6,480</b> * 6,340*
125.0 <b>130.0</b>	52.2 <b>50.2</b>	7,360 <b>6,830</b>	125.0 <b>130.0</b>	54.4 <b>52.4</b>	7,580 <b>7,030</b>	130.0 135.0	51.5	6,960 <b>6,480</b>	130.0 135.0	54.2	7,270 <b>6,760</b>	140.0	54.2 <b>52.4</b>	6,590 <b>6,100</b>	140.0	57.0 <b>55.7</b>	6,450	135.0 <b>140.0</b>	54.8	6,190	140.0	58.9	6,340*
135.0	48.2	6,320			,,,,,,	140.0	49.5	5,990	140.0	52.1	6,260	145.0	50.6	5,680	145.0	53.8	5,990	145.0	53.2	5,770	145.0	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 <b>150.0</b>	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* <b>4,580</b> *				155.0 <b>160.0</b>	46.8 <b>44.7</b>	4,800* <b>4,320</b> *				155.0 <b>160.0</b>	49.7 <b>47.8</b>	4,960* <b>4,490</b> *	155.0 <b>160.0</b>	53.5 <b>51.5</b>	5,350 <b>4,960</b>
155.0	39.2	4,230*				160.0	41.1	4,050*				165.0	42.7	3,880*				165.0	46.0	4,050*			,,,,,,,,
160.0	36.6	3,680*				165.0	38.7	3,590*				170.0	40.6	3,430*	$\langle A \rangle$			170.0	44.1	3,650*			
165.0	33.9 eves	3,170*	Ree	voc	1	170.0 <b>Ree</b>	36.3	3,100*	Poo	ves	1	175.0	38.3 ves	3,020*	Poo	ves	1	175.0	42.1 eves	3,240*	Poo	eves	1
IVEC		)' Boo		Ves	'	Nec	VCS	•	INCC	ves	•	IVCC	VCS		IVEC	ves	'	IVEC	ves	'	IVCC	ves	'
	170		t <b>J</b> ib			1		40 #	t Jib	-4				501	t <b>J</b> ib					601	ft <b>J</b> ib		
	(	O set An		ea.)			(	O set An		ea.)				O set Ar		ea.)				O set Ar		lea.)	
	10		5 - (	30			10			30			10		) ( ( )	30					J - ( -	30	
Load Radius	Boom Angle	Rated Load	Load	_			D		Land	Boom	Dotod		_	Detect		_			10			Boom	Detect
(ft)	(deg.)			Boom Angle	Rated Load	Load Radius	Boom Angle	Rated Load	Load Radius		Rated Load	Load Radius	Boom Angle	Rated Load	Load Radius	Boom Angle	Rated Load	Load Radius	Boom	Rated Load	Load Radius		Rated Load
45.0 <b>50.0</b>	79.8	(lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)		Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Rated Load (lbs)	Radius (ft)	Boom Angle (deg.)	Load (lbs)	Load Radius (ft)	Angle (deg.)	Load (lbs)
55.0	702	(lbs) 24,000*	Radius	Angle	Load	Radius (ft) 50.0	Angle (deg.) 79.6	Load (lbs) 24,000*	Radius	Angle	Load	Radius (ft) 55.0	Angle (deg.) 79.2	Load (lbs) 20,000*	Radius	Angle	Load	Radius (ft) 55.0	Boom Angle (deg.) 80.0	Load (lbs) 18,000*	Radius	Angle	Load
	<b>78.3</b> 76.8	(lbs) 24,000* <b>24,000</b> *	Radius (ft)	Angle (deg.)	Load (Ibs)	Fadius (ft) 50.0 <b>55.0</b>	Angle (deg.) 79.6 78.1	Load (lbs) 24,000* 24,000*	Radius (ft)	Angle (deg.)	Load (Ibs)	Radius (ft)	Angle (deg.) 79.2 77.9	Load (lbs) 20,000* 20,000*	Radius	Angle	Load	Radius (ft)	Boom Angle (deg.) 80.0 78.8	Load (lbs) 18,000* 18,000*	Radius	Angle	Load
60.0	76.8 <b>75.3</b>	(lbs) 24,000* <b>24,000</b> * 24,000* <b>23,500</b>	### Radius (ft)  55.0  60.0	Angle (deg.) 79.4 77.9	Load (lbs) 21,000* 21,000*	Fadius (ft) 50.0 55.0 60.0 65.0	Angle (deg.) 79.6 78.1 76.7 75.3	Load (lbs) 24,000* 24,000* 23,800 21,250	### Radius (ft)  60.0  65.0	Angle (deg.)  80.0  78.6	Load	Fadius (ft) 55.0 60.0 65.0 70.0	79.2 77.9 76.5 75.2	Load (lbs) 20,000* 20,000* 20,000* 19,310	Radius (ft) 70.0	Angle (deg.)	Load (lbs) 11,170*	Fadius (ft) 55.0 60.0 65.0 70.0	Boom Angle (deg.) 80.0 78.8 77.5 76.2	Load (lbs) 18,000* 18,000* 18,000*	Radius (ft)	Angle (deg.)	Load (Ibs)
65.0	76.8 <b>75.3</b> 73.8	(lbs) 24,000* <b>24,000</b> * 24,000* <b>23,500</b> 20,940	55.0 <b>60.0</b> 65.0	79.4 77.9 76.4	21,000* 21,000* 21,000* 20,830*	50.0 55.0 60.0 65.0 70.0	79.6 78.1 76.7 75.3 73.9	Load (lbs) 24,000* 24,000* 23,800 21,250 19,090	60.0 65.0 70.0	80.0 <b>78.6</b> 77.1	Load (lbs) 15,290* 14,770* 14,300*	Fadius (ft) 55.0 60.0 65.0 70.0 75.0	79.2 77.9 76.5 75.2 73.8	Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350	70.0 75.0	### Angle (deg.)  79.1  77.6	Load (lbs) 11,170* 10,800*	55.0 60.0 65.0 70.0 75.0	Boom Angle (deg.) 80.0 78.8 77.5 76.2 74.9	Load (lbs) 18,000* 18,000* 18,000* 18,000* 18,000* 17,080*	Padius (ft)	Angle (deg.)	Load (lbs)
	76.8 <b>75.3</b>	(lbs) 24,000* <b>24,000</b> * 24,000* <b>23,500</b>	### Radius (ft)  55.0  60.0	Angle (deg.) 79.4 77.9	Load (lbs) 21,000* 21,000*	Fadius (ft) 50.0 55.0 60.0 65.0	79.6 78.1 76.7 75.3 73.9 72.4	Load (lbs) 24,000* 24,000* 23,800 21,250 19,090 17,150	### Radius (ft)  60.0  65.0	Angle (deg.)  80.0  78.6	Load (lbs) 15,290* 14,770*	Fadius (ft) 55.0 60.0 65.0 70.0	79.2 77.9 76.5 75.2	Load (lbs) 20,000* 20,000* 20,000* 19,310	Radius (ft) 70.0	Angle (deg.)	Load (lbs) 11,170*	Fadius (ft) 55.0 60.0 65.0 70.0	Boom Angle (deg.) 80.0 78.8 77.5 76.2	Load (lbs) 18,000* 18,000* 18,000*	Radius (ft)	Angle (deg.)	Load (Ibs)
65.0 <b>70.0</b> 75.0 <b>80.0</b>	76.8 <b>75.3</b> 73.8 <b>72.4</b> 70.8 <b>69.3</b>	(lbs) 24,000* 24,000* 24,000* 23,500 20,940 16,880 15,320	55.0 60.0 65.0 70.0 75.0 80.0	79.4 77.9 76.4 74.9 73.2 71.7	21,000* 21,000* 21,000* 20,830* 19,530 17,520 15,890	75.0 60.0 65.0 70.0 75.0 80.0	79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5	24,000* 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170	60.0 65.0 70.0 75.0 80.0	80.0 78.6 77.1 75.6 74.1 72.6	15,290* 14,770* 14,300* 13,840* 13,420* 13,050*	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6	20,000* 20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 13,130	70.0 75.0 80.0 85.0 90.0	<b>79.1</b> 77.6 <b>76.2</b> 74.8 <b>73.4</b>	11,170* 10,800* 10,490* 10,180* 9,890*	### Radius (ft)   55.0   60.0   65.0   70.0   75.0   80.0   85.0   90.0	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0	Load (lbs) 18,000* 18,000* 18,000* 18,000* 17,080* 15,890 14,500 13,270	75.0 <b>80.0</b> 85.0 <b>90.0</b>	79.4 78.1 75.4	8,900* 8,610* 8,350* 8,110*
65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0	76.8 75.3 73.8 72.4 70.8 69.3 67.7	(lbs) 24,000* 24,000* 24,000* 23,500 20,940 16,880 15,320 13,950	55.0 60.0 65.0 70.0 75.0 80.0 85.0	79.4 77.9 76.4 74.9 73.2 71.7 70.1	21,000* 21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480	75.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1	24,000* 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170 12,960	60.0 65.0 70.0 75.0 80.0 85.0 90.0	80.0 78.6 77.1 75.6 74.1 72.6 71.1	15,290* 14,770* 14,300* 13,840* 13,420* 13,050* 12,690*	Fadius (ft)  55.0  60.0  65.0  70.0  75.0  80.0  85.0  90.0  95.0	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2	20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 13,130 11,990	<b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0	<b>79.1</b> 77.6 <b>76.2</b> 74.8 <b>73.4</b> 71.9	11,170* 10,800* 10,490* 10,180* 9,890* 9,610*	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5	18,000* 18,000* 18,000* 18,000* 17,080* 15,890 14,500 13,270 12,100	75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0	79.4 78.1 76.7 75.4 73.9	8,900* 8,610* 8,350* 8,110* 7,870*
65.0 <b>70.0</b> 75.0 <b>80.0</b>	76.8 <b>75.3</b> 73.8 <b>72.4</b> 70.8 <b>69.3</b>	(lbs) 24,000* 24,000* 24,000* 23,500 20,940 16,880 15,320	55.0 60.0 65.0 70.0 75.0 80.0	79.4 77.9 76.4 74.9 73.2 71.7	21,000* 21,000* 21,000* 20,830* 19,530 17,520 15,890	75.0 60.0 65.0 70.0 75.0 80.0	79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5	24,000* 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170	60.0 65.0 70.0 75.0 80.0	80.0 78.6 77.1 75.6 74.1 72.6	15,290* 14,770* 14,300* 13,840* 13,420* 13,050*	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6	20,000* 20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 13,130	70.0 75.0 80.0 85.0 90.0	<b>79.1</b> 77.6 <b>76.2</b> 74.8 <b>73.4</b>	11,170* 10,800* 10,490* 10,180* 9,890*	### Radius (ft)   55.0   60.0   65.0   70.0   75.0   80.0   85.0   90.0	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0	Load (lbs) 18,000* 18,000* 18,000* 18,000* 17,080* 15,890 14,500 13,270	75.0 <b>80.0</b> 85.0 <b>90.0</b>	79.4 78.1 76.7 75.4 73.9	8,900* 8,610* 8,350* 8,110*
65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b>	76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9	(lbs) 24,000* 24,000* 24,000* 20,940 18,820 16,880 15,320 13,950 12,740 11,610 10,670	55.0 60.0 65.0 70.0 75.0 85.0 90.0 95.0	79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2	21,000* 21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480 13,240 12,050 11,080	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5	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	60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	80.0 78.6 77.1 75.6 74.1 72.6 71.1 69.5 68.0 66.4	15,290* 14,770* 14,300* 13,840* 13,420* 12,690* 12,360* 11,440 10,530	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9	Load (lbs)  20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 13,130 11,990 11,020 10,160 9,390	70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4	11,170* 10,800* 10,490* 10,180* 9,610* 9,360* 9,120* 8,900*	75.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2 66.8 65.5	Load (lbs)  18,000* 18,000* 18,000* 18,000* 17,080* 15,890 14,500 13,270 12,100 11,150 10,270 9,470	75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b> 105.0 <b>110.0</b>	79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,250*
65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b> 105.0	76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3	(lbs) 24,000* 24,000* 24,000* 24,000* 20,940 18,820 16,880 15,320 13,950 12,740 11,610 10,670 9,810	55.0 <b>60.0</b> 65.0 <b>70.0</b> 75.0 <b>80.0</b> 95.0 <b>100.0</b> 105.0	79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6	21,000* 21,000* 21,000* 20,830* 19,530 15,890 14,480 13,240 12,050 11,080 10,200	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	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	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	60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 105.0	80.0 78.6 77.1 75.6 74.1 72.6 71.1 69.5 68.0 66.4 64.8	15,290* 14,770* 14,300* 13,840* 13,050* 12,690* 12,360* 11,440 10,530 9,720	75.0 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 115.0	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	Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 13,130 11,990 11,020 10,160 9,390 8,610	70.0 75.0 80.0 85.0 90.0 105.0 110.0 115.0	<b>79.1</b> 77.6 <b>76.2</b> 74.8 <b>73.4</b> 71.9 <b>70.4</b> 68.9 <b>67.4</b> 65.8	11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,360* 9,120* 8,900* 8,680*	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0	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	Load (lbs) 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	75.0 80.0 85.0 90.0 105.0 110.0	79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,050*
65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b>	76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3	(lbs) 24,000* 24,000* 24,000* 20,940 18,820 16,880 15,320 13,950 12,740 11,610 10,670	55.0 60.0 65.0 70.0 75.0 85.0 90.0 95.0	79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2	21,000* 21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480 13,240 12,050 11,080	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	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	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	60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	80.0 78.6 77.1 75.6 74.1 72.6 71.1 69.5 68.0 66.4	15,290* 14,770* 14,300* 13,840* 13,420* 12,690* 12,360* 11,440 10,530	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9	Load (lbs)  20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 13,130 11,990 11,020 10,160 9,390	70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4	11,170* 10,800* 10,490* 10,180* 9,610* 9,360* 9,120* 8,900*	75.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2 66.8 65.5	Load (lbs)  18,000* 18,000* 18,000* 18,000* 17,080* 15,890 14,500 13,270 12,100 11,150 10,270 9,470	75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b> 105.0 <b>110.0</b>	79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,250*
65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b> 115.0 <b>120.0</b>	76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2	(lbs) 24,000* 24,000* 24,000* 23,500 20,940 18,820 16,880 15,320 11,610 10,670 9,810 9,060 8,310 7,670	55.0 <b>60.0</b> 65.0 <b>70.0</b> 75.0 <b>80.0</b> 95.0 <b>100.0</b> 105.0 <b>110.0</b> 115.0 <b>120.0</b>	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	21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980	75.0 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	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	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	60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 115.0 120.0 125.0	80.0 78.6 77.1 75.6 74.1 72.6 71.1 69.5 68.0 66.4 64.8 63.1 61.5 59.8	15,290* 14,770* 14,300* 13,840* 13,420* 12,560* 12,360* 11,440 10,530 9,720 8,920 8,240 7,640	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 130.0	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7	Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 13,130 11,990 11,020 10,160 9,390 8,610 7,980 7,400 6,850	70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 130.0	<b>79.1</b> 77.6 <b>76.2</b> 74.8 <b>73.4</b> 71.9 <b>70.4</b> 68.9 <b>67.4</b> 65.8 <b>64.3</b> 62.7 <b>61.1</b>	11,170* 10,800* 10,490* 10,180* 9,610* 9,360* 9,120* 8,900* 8,680* 8,500 7,890 7,310	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 120.0 125.0 130.0	Boom Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6 69.5 68.2 66.8 65.5 64.0 62.6 61.1 59.7	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 8,730 8,090 7,490 6,940	75.0 80.0 85.0 90.0 105.0 115.0 120.0 130.0	79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7 65.2 63.7	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,050* 6,900* 6,740* 6,590*
65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b> 115.0 <b>120.0</b> 125.0	76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4	(lbs) 24,000* 24,000* 24,000* 23,500 20,940 18,820 16,880 15,325 12,740 11,610 10,670 9,810 9,060 8,310 7,670 7,090	55.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 125.0	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	21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980 7,360	75.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0 120.0 130.0	Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 61.9 60.3 58.7 57.0 55.4	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	60.0 65.0 70.0 75.0 80.0 95.0 100.0 110.0 115.0 120.0 130.0	80.0 78.6 77.1 75.6 74.1 69.5 68.0 66.4 64.8 63.1 61.5 59.8 58.1	15,290* 14,770* 14,300* 13,840* 13,050* 12,360* 11,440 10,530 9,720 8,920 8,240 7,640 7,070	75.0 60.0 65.0 70.0 75.0 80.0 90.0 95.0 105.0 115.0 125.0 135.0	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 60.8 59.3 57.7 56.1	Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 13,130 11,990 11,020 10,160 9,390 8,610 7,980 7,400 6,850 6,340	70.0 75.0 80.0 85.0 90.0 95.0 105.0 115.0 125.0 135.0	79.1 77.6 76.2 74.8 71.9 70.4 68.9 67.4 65.8 64.3 62.7 61.1 59.5	11,170* 10,800* 10,490* 10,190* 9,610* 9,360* 9,120* 8,900* 8,680* 8,500 7,890 7,310 6,760	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 125.0 135.0	Room Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2	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 8,730 8,090 7,490 6,940 6,450	75.0 80.0 85.0 90.0 105.0 115.0 125.0 135.0	79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7 65.2 63.7 62.2	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,050* 6,900* 6,740* 6,590* 6,450*
65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b> 115.0 <b>120.0</b>	76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4	(lbs) 24,000* 24,000* 24,000* 23,500 20,940 18,820 16,880 15,320 11,610 10,670 9,810 9,060 8,310 7,670	55.0 <b>60.0</b> 65.0 <b>70.0</b> 75.0 <b>80.0</b> 95.0 <b>100.0</b> 105.0 <b>110.0</b> 115.0 <b>120.0</b>	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	21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980	75.0 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	Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 61.9 60.3 58.7 57.0 55.4	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	60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 115.0 120.0 125.0	80.0 78.6 77.1 75.6 74.1 72.6 71.1 69.5 68.0 66.4 64.8 63.1 61.5 59.8	15,290* 14,770* 14,300* 13,840* 13,420* 12,560* 12,360* 11,440 10,530 9,720 8,920 8,240 7,640	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 130.0	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7	Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 13,130 11,990 11,020 10,160 9,390 8,610 7,980 7,400 6,850	70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 130.0	<b>79.1</b> 77.6 <b>76.2</b> 74.8 <b>73.4</b> 71.9 <b>70.4</b> 68.9 <b>67.4</b> 65.8 <b>64.3</b> 62.7 <b>61.1</b>	11,170* 10,800* 10,490* 10,180* 9,610* 9,360* 9,120* 8,900* 8,680* 8,500 7,890 7,310	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 120.0 125.0 130.0	Room Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2	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 8,730 8,090 7,490 6,940	75.0 80.0 85.0 90.0 105.0 115.0 120.0 130.0	79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7 65.2 63.7 62.2	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,050* 6,900* 6,740* 6,590*
65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 135.0 140.0	76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4 52.6 50.8 48.8	(lbs) 24,000* 24,000* 24,000* 24,000* 20,940 18,820 16,880 15,320 11,610 10,670 9,810 9,060 8,310 7,670 7,090 6,560 6,080 5,590	75.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 125.0 125.0 130.0	79.4 77.9 76.4 74.9 77.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7	21,000* 21,000* 21,000* 21,000* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980 7,360 6,810	75.0 65.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 115.0 120.0 135.0 140.0	Angle (deg.) 79.6 78.1 76.7 75.3 75.3 72.4 71.0 69.5 68.1 66.5 61.9 60.3 55.4 53.7 51.8 50.1	Load (bs) 24,000* 24,000* 23,800 17,150 15,560 14,170 12,960 11,810 10,860 10,000 9,230 8,480 7,270 6,720 6,230 5,750 5,290*	60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 110.0 115.0 120.0 125.0 130.0 135.0	80.0 78.6 77.1 75.6 74.1 72.6 68.0 66.4 64.8 63.1 61.5 59.8 58.1 56.3 54.4	15,290* 14,770* 14,300* 13,840* 13,420* 12,560* 12,360* 11,440 10,530 9,720 8,920 8,240 7,640 7,070 6,540	Fedius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	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 57.7 56.1 54.4 52.8 51.1	Load (lbs) 20,000* 20,000* 19,310 17,350 15,760 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 4,960*	70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 65.1 65.1 57.7 56.0 54.2	11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,120* 8,900* 8,680* 8,500 7,310 6,760 6,260 5,790 5,370	Fadius (ft) 55.0 60.0 65.0 77.0 80.0 85.0 90.0 95.0 110.0 115.0 120.0 135.0 140.0 145.0 150.0	Boom Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2 56.6 55.1	Load (lbs) 18,000* 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 5,070*	75.0 80.0 85.0 90.0 105.0 115.0 125.0 140.0 145.0 150.	79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7 65.2 60.5 58.9 57.3	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,250* 6,740* 6,590* 6,450* 6,300* 5,970 5,550
65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 125.0 135.0 140.0 145.0	76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4 52.6 50.8 48.8 46.8	(lbs) 24,000* 24,000* 24,000* 24,000* 20,940 18,820 16,880 15,320 13,950 12,740 11,610 10,670 9,810 9,060 8,310 7,670 7,090 6,560 6,080 5,590 5,040*	75.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 125.0 125.0 130.0	79.4 77.9 76.4 74.9 77.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7	21,000* 21,000* 21,000* 21,000* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980 7,360 6,810	75.0 65.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 125.0 135.0 140.0 145.0	Angle (deg.) 79.6 78.1 76.7 75.3 75.3 71.0 69.5 68.1 66.5 65.0 63.5 61.9 60.3 58.7 55.4 53.7 51.8 50.1 48.2	Load (bs) 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 7,270 6,720 6,230 5,750 5,290* 4,780*	60.0 65.0 70.0 75.0 80.0 85.0 99.0 100.0 115.0 120.0 125.0 135.0 140.0	80.0 78.6 77.1 75.6 74.1 72.6 68.0 66.4 64.8 63.1 61.5 59.8 58.1 56.3 54.4	15,290* 14,770* 14,300* 13,840* 13,050* 12,360* 11,440 10,530 9,720 8,920 8,240 7,640 7,070 6,540 6,040	Fedius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 99.0 105.0 115.0 125.0 140.0 145.0 155.0 155.0	Angle (deg.) 79.2 77.9 76.5 76.5 76.5 73.8 72.4 71.0 69.6 68.2 66.7 65.3 60.8 59.3 57.7 56.1 54.4 49.3	Load (lbs) 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 4,960* 4,490*	70.0 75.0 80.0 85.0 90.0 105.0 115.0 125.0 130.0 140.0 145.0	79.1 77.6 76.2 74.8 71.9 70.4 66.9 67.4 65.8 64.3 62.7 61.1 59.5 57.7 56.0	11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,120* 8,900* 8,680* 8,500 7,310 6,760 6,260 5,790	Fadius (ft) 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 125.0 140.0 145.0 155.0	Room 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 55.1 53.5 51.9	Load (lbs) 18,000* 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 5,530 5,070* 4,620*	75.0 80.0 85.0 90.0 105.0 115.0 125.0 140.0 145.0 155.0 155.0	79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 65.2 66.7 65.2 60.5 58.9 57.3 55.6	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,050* 6,900* 6,450* 6,300* 5,970 5,550 5,150
65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 135.0 140.0	76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4 52.6 50.8 48.8	(lbs) 24,000* 24,000* 24,000* 24,000* 20,940 18,820 16,880 15,320 11,610 10,670 9,810 9,060 8,310 7,670 7,090 6,560 6,080 5,590	75.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 125.0 125.0 130.0	79.4 77.9 76.4 74.9 77.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7	21,000* 21,000* 21,000* 21,000* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980 7,360 6,810	75.0 65.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 115.0 120.0 135.0 140.0	Angle (deg.) 79.6 78.1 76.7 75.3 77.3 77.3 77.0 69.5 68.1 66.5 61.9 60.3 58.7 57.0 55.4 50.1 48.2 46.3	Load (bs) 24,000* 24,000* 23,800 17,150 15,560 14,170 12,960 11,810 10,860 10,000 9,230 8,480 7,270 6,720 6,230 5,750 5,290*	60.0 65.0 70.0 75.0 80.0 85.0 99.0 100.0 115.0 120.0 125.0 135.0 140.0	80.0 78.6 77.1 75.6 74.1 72.6 68.0 66.4 64.8 63.1 61.5 59.8 58.1 56.3 54.4	15,290* 14,770* 14,300* 13,840* 13,050* 12,360* 11,440 10,530 9,720 8,920 8,240 7,640 7,070 6,540 6,040	Fedius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	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 57.7 56.1 54.4 52.8 51.1	Load (lbs) 20,000* 20,000* 19,310 17,350 15,760 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 4,960*	70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 65.1 65.1 57.7 56.0 54.2	11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,120* 8,900* 8,680* 8,500 7,310 6,760 6,260 5,790 5,370	Fadius (ft) 55.0 60.0 65.0 77.0 80.0 85.0 90.0 95.0 110.0 115.0 120.0 135.0 140.0 145.0 150.0	Boom Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2 56.6 55.1	Load (lbs) 18,000* 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 5,070*	75.0 80.0 85.0 90.0 105.0 115.0 125.0 140.0 145.0 150.	79.4 78.1 76.7 75.4 73.9 72.5 71.1 68.2 66.7 65.2 60.5 53.9 55.6 53.8	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,250* 6,740* 6,590* 6,450* 6,300* 5,970 5,550
65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 135.0 140.0 145.0 155.0 160.0	76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 52.6 50.8 48.8 46.8 44.8	(lbs) 24,000* 24,000* 24,000* 24,000* 20,940 18,820 16,880 15,320 11,610 10,670 9,810 9,060 8,310 7,670 7,090 6,560 6,080 5,590 5,040* 4,540* 4,030* 3,520*	75.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 125.0 125.0 130.0	79.4 77.9 76.4 74.9 77.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7	21,000* 21,000* 21,000* 21,000* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980 7,360 6,810	75.0 65.0 65.0 77.0 80.0 85.0 90.0 95.0 100.0 115.0 125.0 140.0 145.0 150.0	Angle (deg.) 79.6 78.1 76.7 75.3 77.3 77.3 77.0 69.5 68.1 66.5 61.9 60.3 58.7 57.0 55.4 50.1 48.2 46.3	Load (bs) 24,000* 24,000* 23,800 17,150 15,560 14,170 12,960 11,810 10,860 10,000 9,230 8,480 7,270 6,720 6,230 5,750 5,290* 4,780* 4,320*	60.0 65.0 70.0 75.0 80.0 85.0 99.0 100.0 115.0 120.0 125.0 135.0 140.0	80.0 78.6 77.1 75.6 74.1 72.6 68.0 66.4 64.8 63.1 61.5 59.8 58.1 56.3 54.4	15,290* 14,770* 14,300* 13,840* 13,050* 12,360* 11,440 10,530 9,720 8,920 8,240 7,640 7,070 6,540 6,040	Redius (ft) 55.0 (60.0) 65.0 (70.0) 75.0 88.0 (90.0) 95.0 100.0 115.0 125.0 130.0 144.0 145.0 155.0 160.0	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 59.3 57.7 56.1 54.4 49.3 47.4	Load (lbs) 20,000* 20,000* 19,310 17,350 14,370 13,130 11,990 11,020 10,160 9,390 8,610 7,980 6,850 6,340 5,860 5,440 4,960* 4,490* 4,030*	70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 65.1 65.1 57.7 56.0 54.2	11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,120* 8,900* 8,680* 8,500 7,310 6,760 6,260 5,790 5,370	Fadius (ft) 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 125.0 140.0 145.0 155.0 160.0	Boom Angle (deg.) 80.0 78.8 77.5 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	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 7,490 6,940 6,450 5,950 5,530 5,070* 4,620* 4,160*	75.0 80.0 85.0 90.0 95.0 100.0 115.0 125.0 140.0 155.0 155.0 160.0	79.4 78.1 76.7 75.4 73.9 72.5 71.1 68.2 66.7 65.2 60.5 53.9 55.6 53.8	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,050* 6,900* 6,740* 6,590* 6,550 5,150 4,670*
65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 125.0 135.0 145.0 155.0 165.0	76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 52.6 50.8 48.8 46.8 44.8	(lbs) 24,000* 24,000* 24,000* 24,000* 20,940 18,820 16,880 15,320 13,950 12,740 11,610 10,670 9,810 9,060 8,310 7,670 7,090 6,560 6,080 5,590 5,040* 4,540* 4,030*	75.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 125.0 125.0 130.0	79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 58.3 55.5 54.7 52.8	21,000* 21,000* 21,000* 21,000* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980 7,360 6,810	75.0 (ft) 50.0 (55.0 (60.0 (75	Angle (deg.) 79.6 78.1 76.7 75.3 75.3 72.4 71.0 69.5 68.1 66.5 61.9 60.3 55.7 51.8 50.1 48.2 46.3 44.2 42.2	Load (bs) 24,000* 24,000* 23,800 17,150 15,560 14,170 12,960 11,810 10,860 10,000 9,230 8,480 7,270 6,720 6,720 6,230 5,750 5,290* 4,780* 4,320* 3,810*	60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 110.0 115.0 125.0 135.0 140.0	80.0 78.6 77.1 75.6 74.1 72.6 68.0 66.4 64.8 63.1 61.5 59.8 58.1 56.3 54.4	15,290* 14,770* 14,300* 13,840* 13,050* 12,360* 11,440 10,530 9,720 8,920 8,240 7,640 7,070 6,540 6,040	Fedius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 110.0 125.0 125.0 140.0 155.0 160.0 170.0 170.0	Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7 55.4 49.3 47.4 45.6	Load (lbs) 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 4,960* 4,490* 4,030* 3,610*	70.0 75.0 80.0 85.0 90.0 95.0 110.0 125.0 130.0 145.0 155.0	79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 65.1 65.1 57.7 56.0 54.2	11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,120* 8,900* 8,680* 8,500 7,310 6,760 6,260 5,790 5,370	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 88.0 99.0 95.0 110.0 115.0 125.0 140.0 155.0 165.0 170.0	Boom Angle (deg.) 80.0 78.8 77.5 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	Load (lbs)  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 6,940 6,945 5,530 5,070* 4,620* 4,160* 3,760*	75.0 80.0 85.0 90.0 95.0 100.0 115.0 125.0 140.0 155.0 165.0	79.4 78.1 76.7 75.4 73.9 72.5 71.1 68.2 66.7 65.2 60.5 53.9 55.6 53.8	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,050* 6,900* 6,740* 6,590* 6,550 5,150 4,670*

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

	180	)' Boo	m																				
		30 f	t <b>J</b> ib						t <b>J</b> ib						t <b>J</b> ib						ft <b>J</b> ib		
	(	O set An	gle (d	leg.)			(	O set An	gle (d	eg.)			(	O set Ar	igle (d	eg.)			(	O set Ar	ngle (d	eg.)	
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)		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)	Radius (ft)	Angle (deg.)	Load (lbs)
50.0	78.9	22,200*			04 0004	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> 77.1	<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	20,700	65.0	77.1	20,500*	70.0	74.7	18,840	70.0	77.7	14,480*	70.0	75.9	19,060	70.0	79.6	11,300*	75.0	75.5	17,230	75.0	79.9	8,990*
70.0	73.2	18,560	70.0	75.6	19,310	75.0	73.2	16,880	75.0	76.3	14,020*	75.0	74.5	17,100	75.0	78.2	10,930*	80.0	74.3	15,650	80.0	78.6	8,700*
75.0	71.7	16,600	75.0	74.1	17,300	80.0	71.9	15,290	80.0	74.9	13,620*	80.0	73.2	15,490	80.0	76.9	10,600*	85.0	73.0	14,240	85.0	77.3	8,460*
80.0 <b>85.0</b>	70.3 <b>68.8</b>	15,030 <b>13,660</b>	80.0 <b>85.0</b>	72.6 <b>71.2</b>	15,670 <b>14,240</b>	85.0 <b>90.0</b>	70.5 <b>69.1</b>	13,910 <b>12,690</b>	85.0 <b>90.0</b>	73.5 <b>72.1</b>	13,240* <b>12,890</b> *	85.0 <b>90.0</b>	71.9 <b>70.6</b>	14,100 <b>12,890</b>	85.0 <b>90.0</b>	75.5 <b>74.2</b>	10,310* <b>10,030</b> *	90.0 <b>95.0</b>	71.8 <b>70.4</b>	13,020 <b>11,860</b>	90.0 <b>95.0</b>	76.0 <b>74.6</b>	8,200* <b>7,950</b> *
90.0	67.4	12,470	90.0	69.7	13,000	95.0	67.6	11,550	95.0	70.5	12,210	95.0	69.2	11,720	95.0	72.7	9,740*	100.0	69.2	10,890	100.0	73.3	7,760*
95.0	65.8	11,330	95.0	68.1	11,810	100.0	66.2	10,600	100.0	69.1	11,190	100.0	67.8	10,750	100.0	71.4	9,500*	105.0	67.9	10,000	105.0	72.0	7,530*
100.0 <b>105.0</b>	64.3	10,380 <b>9,540</b>	100.0 <b>105.0</b>	66.5 <b>65.0</b>	10,820 <b>9,940</b>	105.0	64.8 <b>63.3</b>	9,740 <b>8,970</b>	105.0	67.6 <b>66.1</b>	10,290 <b>9,470</b>	105.0	66.5 <b>65.1</b>	9,890	105.0 <b>110.0</b>	70.0 <b>68.5</b>	9,280* <b>9,060</b> *	110.0	66.6 <b>65.2</b>	9,230 <b>8,460</b>	110.0 <b>115.0</b>	70.7	7,360* <b>7,160</b> *
110.0	<b>62.8</b> 61.3	8,770	110.0	63.4	9,140	<b>110.0</b> 115.0	61.8	8,200	110.0 115.0	64.5	8,680	<b>110.0</b> 115.0	63.6	<b>9,100</b> 8,350	115.0	67.0	8,840*	<b>115.0</b> 120.0	63.8	7,820	120.0	<b>69.2</b> 67.8	7,010*
115.0	59.6	8,020	115.0	61.7	8,370	120.0	60.3	7,560	120.0	63.0	8,000	120.0	62.2	7,710	120.0	65.6	8,280	125.0	62.5	7,230	125.0	66.4	6,850*
120.0	58.0	7,380	120.0	60.1	7,710	125.0	58.8	6,980	125.0	61.4	7,380	125.0	60.8	7,120	125.0	64.1	7,640	130.0	61.1	6,670	130.0	65.0	6,700*
<b>125.0</b> 130.0	<b>56.4</b> 54.7	<b>6,810</b> 6,280	<b>125.0</b> 130.0	<b>58.4</b> 56.8	<b>7,090</b> 6,540	<b>130.0</b> 135.0	<b>57.2</b> 55.6	<b>6,430</b> 5,950	130.0 135.0	<b>59.8</b> 58.2	<b>6,830</b> 6,300	<b>130.0</b> 135.0	<b>59.3</b> 57.8	<b>6,560</b> 6,080	<b>130.0</b> 135.0	<b>62.6</b> 61.1	<b>7,070</b> 6,540	<b>135.0</b> 140.0	<b>59.7</b> 58.2	<b>6,150*</b> 5,590*	<b>135.0</b> 140.0	<b>63.6</b> 62.0	<b>6,540</b> * 6,210
135.0	53.0	5,770*	135.0	55.0	6,040	140.0	<b>53.9</b>	5,370*	140.0	56.4	5,770	140.0	56.2	5,510*	140.0	<b>59.4</b>	6,010	145.0	56.8	5,110*	145.0	60.5	5,700*
140.0	51.2	5,180*	140.0	53.1	5,480*	145.0	52.3	4,870*	145.0	54.7	5,260*	145.0	54.7	5,020*	145.0	57.8	5,510*	150.0	55.3	4,620*	150.0	59.0	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 <b>160.0</b>	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 <b>165.0</b>	55.8 <b>54.1</b>	4,290* <b>3,880</b> *
160.0	43.6	3,210*				165.0	45.1	3,040*				165.0	48.1	3,240*	100.0	32.1	4,070	100.0	30.0	3,370	170.0	52.4	3,480*
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Ree		1		eves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1
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Load	10 Boom	O set An		leg.) 30 Boom	Rated	Load	10 Boom	O set An		eg.) 30 Boom	Rated	Load	10 Boom	O set An	igle (d	eg.) 30 Boom	Rated	Load	10 Boom	O set Ar		eg.) 30 Boom	Rated
Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	gle (d	30 Boom		Radius (ft)	Boom Angle (deg.)	Pated Load (lbs)	gle (d	30		Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	ngle (d	30	Rated Load (lbs)	Radius (ft)	Boom Angle (deg.)	Pated Load (lbs)	ngle (d	30	Rated Load (lbs)
Radius (ft) 50.0	Boom Angle (deg.) 79.4	Pated Load (lbs) 19,440*	gle (d Load Radius	30 Boom Angle	Rated Load	Radius (ft) 55.0	Boom Angle (deg.) 79.2	Rated Load (lbs) 18,950*	Load Radius	30 Boom Angle	Rated Load	Radius (ft) 60.0	Boom Angle (deg.) 78.9	Rated Load (lbs)	Igle (d Load Radius	30 Boom Angle	Load	Radius (ft) 60.0	Boom Angle (deg.) 79.7	Rated Load (lbs) 18,000*	Load Radius	30 Boom Angle	Load
Radius (ft)	79.4 76.7	Rated Load (lbs)	gle (d Load Radius	30 Boom Angle	Rated Load	Radius (ft)	Boom Angle (deg.)	Rated Load (lbs) 18,950* 18,560* 18,160*	Load Radius	30 Boom Angle	Rated Load	Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Igle (d Load Radius	30 Boom Angle	Load	Radius (ft)	Boom Angle (deg.)	Pated Load (lbs)	Load Radius	30 Boom Angle	Load
Fadius (ft) 50.0 55.0 60.0 65.0	79.4 78.0 75.4 75.4	Rated Load (lbs) 19,440* 19,020* 18,620* 18,250*	Load Radius (ft)	30 Boom Angle (deg.) 79.0	Rated Load (lbs) 18,250* 17,870*	Fadius (ft) 55.0 60.0 65.0 70.0	Boom Angle (deg.) 79.2 77.9 76.6 75.4	Rated Load (lbs) 18,950* 18,160* 17,810*	Load Radius (ft) 65.0 70.0	30 Boom Angle (deg.) 79.6 78.3	Rated Load (lbs)  15,100* 14,660*	Radius (ft) 60.0 65.0 70.0 75.0	78.9 76.5 75.2	Rated Load (lbs) 18,470* 18,070* 16,930	Load Radius (ft)	30 Boom Angle (deg.)	Load (lbs) 11,040*	60.0 65.0 70.0 75.0	79.7 78.5 77.4 76.1	Rated Load (lbs) 18,000* 17,960* 17,590* 17,080	Load Radius (ft)	30 Boom Angle (deg.)	Load (Ibs)
50.0 55.0 60.0 65.0 70.0	## 10  ## Boom Angle (deg.)  79.4  78.0  76.7  75.4  74.0	Rated Load (lbs) 19,440* 19,020* 18,620* 18,250* 17,870*	Load Radius (ft)  60.0 65.0 70.0	30 Boom Angle (deg.) 79.0 77.7 76.3	Rated Load (lbs) 18,250* 17,870* 17,520*	Fadius (ft) 55.0 <b>60.0</b> 65.0	79.2 77.9 76.6 75.4 74.0	Rated Load (lbs) 18,950* 18,160* 17,810* 16,710	Load Radius (ft)	30 Boom Angle (deg.) 79.6 <b>78.3</b> 76.9	Pated Load (lbs)  15,100* 14,660* 14,190*	Radius (ft) 60.0 65.0 70.0	Boom Angle (deg.) 78.9 77.7 76.5 75.2 73.9	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,320	Load Radius (ft) 75.0 80.0	Boom Angle (deg.) 78.7 77.5	Load (lbs) 11,040* 10,730*	60.0 65.0 70.0 75.0 80.0	Boom Angle (deg.) 79.7 78.5 77.4 76.1 74.9	Rated Load (lbs) 18,000* 17,960* 17,590* 17,080 15,470	Load Radius (ft)	30 Boom Angle (deg.)	Load (lbs) 8,790*
Fadius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0	79.4 78.0 76.7 75.4 74.0 72.6 71.2	Pated Load (lbs) 19,440* 19,020* 18,620* 18,250* 17,870* 16,420 14,850	Load Radius (ft)  60.0 65.0 70.0 75.0 80.0	30 Boom Angle (deg.) 79.0 77.7 76.3 74.9 73.5	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150 15,520	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4	Pated Load (lbs) 18,950* 18,560* 18,160* 17,810* 16,710 15,120 13,730	Load Radius (ft)  65.0  70.0  75.0  80.0  85.0	30 Boom Angle (deg.) 79.6 78.3 76.9 75.6 74.3	15,100* 14,660* 14,190* 13,800* 13,420*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0	70 Boom Angle (deg.) 78.9 77.7 76.5 75.2 73.9 72.7 71.4	Pated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690	Load Radius (ft)  75.0 80.0 85.0 90.0	30 Boom Angle (deg.) 78.7 77.5 76.2 74.9	11,040* 10,730* 10,420* 10,160*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6	Pated Load (lbs) 18,000* 17,960* 17,590* 17,080 15,470 14,060 12,830	Load Radius (ft)  80.0 85.0 90.0	30 Boom Angle (deg.) 79.1 77.9 76.6	8,790* 8,550* 8,310*
Fadius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	79.4 78.0 76.7 75.4 74.0 72.6 71.2 69.9	Pated Load (lbs)  19,440* 19,020* 18,620* 17,870* 16,420 14,850 13,490	Load Radius (ft)  60.0 65.0 70.0 75.0 80.0 85.0	300 Boom Angle (deg.) 79.0 77.7 76.3 74.9 73.5 72.1	18,250* 17,870* 17,520* 17,520 15,520 14,080	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 70.1	Rated Load (lbs)  18,950* 18,560* 18,160* 17,810* 16,710 15,120 13,730 12,520	Load Radius (ft)  65.0  70.0  75.0  80.0  85.0  90.0	30 Boom Angle (deg.) 79.6 78.3 76.9 75.6 74.3 72.9	15,100* 14,660* 14,190* 13,800* 13,420* 13,090*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	70.5 75.2 73.9 72.7 71.4 70.1	Pated Load (lbs)  18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690 11,550	Cod Radius (ft)  75.0 80.0 85.0 90.0 95.0	30 Boom Angle (deg.) 78.7 77.5 76.2 74.9 73.5	11,040* 10,730* 10,420* 10,160* 9,870*	Radius (ft)  60.0  65.0  70.0  75.0  80.0  85.0  90.0  95.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 71.3	Rated Load (lbs)  18,000* 17,960* 17,590* 17,080 15,470 14,060 12,830 11,680	Load Radius (ft)  80.0 85.0 90.0 95.0	79.1 77.9 76.6 75.3	8,790* 8,550* 8,310* 8,060*
Fadius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0	79.4 78.0 76.7 75.4 74.0 72.6 71.2	Pated Load (lbs) 19,440* 19,020* 18,620* 18,250* 17,870* 16,420 14,850	Load Radius (ft)  60.0 65.0 70.0 75.0 80.0	30 Boom Angle (deg.) 79.0 77.7 76.3 74.9 73.5	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150 15,520	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4	Pated Load (lbs)  18,950* 18,560* 18,160* 16,710 15,120 13,730 12,520 11,370	Load Radius (ft)  65.0  70.0  75.0  80.0  85.0	30 Boom Angle (deg.) 79.6 78.3 76.9 75.6 74.3	15,100* 14,660* 14,190* 13,800* 13,420*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0	70 Boom Angle (deg.) 78.9 77.7 76.5 75.2 73.9 72.7 71.4	Pated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690	Load Radius (ft)  75.0 80.0 85.0 90.0	30 Boom Angle (deg.) 78.7 77.5 76.2 74.9	11,040* 10,730* 10,420* 10,160*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6	Pated Load (lbs) 18,000* 17,960* 17,590* 17,080 15,470 14,060 12,830	Load Radius (ft)  80.0 85.0 90.0	30 Boom Angle (deg.) 79.1 77.9 76.6	8,790* 8,550* 8,310*
Fadius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	79.4 78.0 76.7 75.4 74.0 72.6 71.2 69.9 68.5 67.0 65.6	Rated Load (lbs) 19,440* 19,020* 18,620* 17,870* 16,420 14,850 13,490 12,270 11,150 10,200	60.0 65.0 70.0 75.0 85.0 90.0 95.0	79.0 77.7 76.3 74.9 73.5 72.1 70.7 69.2 67.7	18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 11,660 10,670	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 70.1 68.7 67.3 66.0	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810* 16,710 15,120 11,370 10,420 9,540	65.0 70.0 75.0 85.0 90.0 95.0 100.0	79.6 78.3 76.9 75.6 74.3 72.9 71.5 70.1 68.7	Pated Load (lbs)  15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140	<b>Radius</b> (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 66.2	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,330 12,690 11,550 10,580 9,720 8,920	75.0 80.0 85.0 90.0 95.0 100.0 105.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6	11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 71.3 70.1 68.8 67.6	Rated Load (lbs) 18,000* 17,960* 17,590* 17,080 15,470 14,060 12,830 11,680 10,710 9,830 9,030	80.0 85.0 90.0 100.0 110.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5	8,790* 8,550* 8,310* 8,060* 7,840* 7,640* 7,450*
Fadius (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	79.4 78.0 76.7 75.4 74.0 72.6 71.2 69.9 68.5 67.0 65.6 64.1	Rated Load (lbs) 19,440* 19,020* 18,620* 17,870* 16,420 14,850 13,490 12,270 11,150 10,200 9,340	60.0 65.0 70.0 75.0 85.0 90.0 95.0 100.0	79.0 77.7 76.3 74.9 73.5 72.1 70.7 69.2 67.7 66.3	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 11,660 10,670 9,780	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 70.1 68.7 67.3 66.0 64.6	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810* 15,120 13,730 12,520 11,370 10,420 9,540 8,770	65.0 70.0 75.0 85.0 90.0 95.0 100.0 110.0	79.6 78.3 76.9 75.6 74.3 72.9 71.5 70.1 68.7 67.3	78ted Load (lbs) 15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140 9,320	<b>Radius</b> (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0	700 Boom Angle (deg.) 78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 66.2 64.8	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,330 12,690 11,550 10,580 9,720 8,920 8,170	75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1	11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190* 8,810	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 71.3 70.1 68.8 67.6 66.3	Fated Load (lbs)  18,000* 17,960* 17,960* 17,980 15,470 14,060 12,830 10,710 9,830 9,030 8,260*	80.0 85.0 90.0 95.0 100.0 115.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 70.2	8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,270*
Fadius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	79.4 78.0 76.7 75.4 74.0 72.6 71.2 69.9 68.5 67.0 65.6 64.1 62.7	Rated Load (lbs) 19,440* 19,020* 18,620* 17,870* 16,420 14,850 13,490 12,270 11,150 10,200	60.0 65.0 70.0 75.0 85.0 90.0 95.0	79.0 77.7 76.3 74.9 73.5 72.1 70.7 69.2 67.7 66.3 64.8	18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 11,660 10,670	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 70.1 68.7 67.3 66.0	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810* 16,710 15,120 13,730 12,520 11,370 10,420 9,540 8,770 8,020	65.0 70.0 75.0 85.0 90.0 95.0 100.0	79.6 78.3 76.9 75.6 74.3 72.9 71.5 70.1 68.7	Pated Load (lbs)  15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140	<b>Radius</b> (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 66.2	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,330 12,690 11,550 10,580 9,720 8,920	75.0 80.0 85.0 90.0 95.0 100.0 105.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6	11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 71.3 70.1 68.8 67.6	Rated Load (lbs) 18,000* 17,960* 17,590* 17,080 15,470 14,060 12,830 11,680 10,710 9,830 9,030	80.0 85.0 90.0 100.0 110.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5	8,790* 8,550* 8,310* 8,060* 7,840* 7,640* 7,450*
Fadius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 110.0 115.0 120.0	79.4 78.0 76.7 75.4 74.0 72.6 69.9 68.5 67.0 65.6 64.1 59.6	Rated Load (lbs)  19,440* 19,020* 18,620* 18,250* 17,870* 16,420 14,850 13,490 12,270 11,150 10,200 9,340 8,570 7,840 7,200	Load Radius (ft)	79.0 77.7 76.3 74.9 73.5 72.1 70.7 69.2 67.7 66.3 64.8 63.2 61.7	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 10,670 9,780 8,970 8,200 7,530	75.0 60.0 65.0 70.0 75.0 85.0 90.0 95.0 100.0 115.0 120.0 125.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 68.7 66.0 64.6 63.1 61.7 60.3	Rated Load (lbs)  18,950* 18,560* 18,160* 17,810* 16,710 15,120 13,730 12,520 11,370 10,420 9,540 8,770 8,020 7,380 6,790	Gle (dd Radius (ft)   65.0   70.0   75.0   80.0   85.0   90.0   90.0   105.0   115.0   120.0   125.0	300 Boom Angle (deg.) 79.6 78.3 76.9 75.6 74.3 72.9 71.5 70.1 68.7 67.3 65.8 64.3 62.9	7,230 Pated Load (lbs) 15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140 9,320 8,530 7,840 7,230	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0 130.0	78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 66.2 64.8 63.5 62.1 60.8	Rated Load (lbs)  18,470* 18,070* 17,700* 16,930 15,320 11,550 10,580 9,720 8,920 8,170 7,510 6,900* 6,300*	75.0 80.0 85.0 99.0 100.0 115.0 125.0 130.0 130.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3 63.9	11,040* 10,730* 10,420* 10,160* 9,870* 9,410* 9,190* 8,810 8,130 7,490 6,870*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 125.0 130.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 66.3 65.0 63.7 62.4	Pated Load (lbs)  18,000* 17,960* 17,990* 17,980 15,470 14,060 12,830 11,680 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,370*	80.0 85.0 90.0 100.0 115.0 120.0 130.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 70.2 68.9 67.5 66.2	8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,270* 7,090* 6,940* 6,790*
Fadius (ft)  50.0  55.0  60.0  65.0  70.0  80.0  80.0  90.0  100.0  110.0  120.0  125.0	79.4 78.0 76.7 75.4 74.0 68.5 67.0 65.6 64.1 59.6 58.1	Rated Load (lbs)  19,440* 19,020* 18,620* 18,250* 17,870* 16,420 14,850 13,490 12,270 11,150 10,200 9,340 8,570 7,840 7,200 6,630	Load   Radius (ft)	79.0 77.7 76.3 74.9 73.5 72.1 70.7 69.2 67.7 66.3 64.8 63.2 61.7 60.1	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 11,660 10,670 9,780 8,970 8,200 7,530 6,940	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 130.0	79.2 77.9 76.6 75.4 74.0 68.7 67.3 66.0 64.6 63.1 61.7 60.3 58.8	Rated Load (lbs)  18,950* 18,560* 18,160* 17,810* 16,710 15,120 11,370 10,420 9,540 8,770 8,020 7,380 6,790 6,190*	Gle (dd Padius (ft)	79.6 78.3 76.9 71.5 70.1 68.7 67.3 65.8 64.3 62.9 61.4	Pated Load (lbs)  15,100* 14,660* 14,190* 13,800* 12,050 11,040 10,140 9,320 8,530 7,840 7,230 6,650	Radius (ft) 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 115.0 120.0 125.0 130.0 135.0	78.9 76.5 75.2 73.9 72.7 70.1 68.8 67.5 66.2 64.8 63.5 62.1 60.8 59.4	Rated Load (lbs)  18,470* 18,070* 17,700* 16,930 15,320 11,550 10,580 9,720 8,920 8,170 7,510 6,900* 6,300* 5,750*	75.0 80.0 85.0 99.0 100.0 115.0 125.0 135.0 135.0	78.7 77.5 76.2 73.5 72.2 70.9 69.6 68.1 66.7 65.3 63.9 62.5	11,040* 10,730* 10,420* 10,160* 9,870* 9,410* 9,190* 8,810 8,130 7,490 6,870* 6,300*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 125.0 130.0 135.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 66.3 65.0 63.7 62.4 61.1	Pated Load (lbs)  18,000* 17,960* 17,990* 17,980 15,470 14,060 12,830 11,680 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,370* 5,820*	80.0 85.0 90.0 100.0 115.0 120.0 135.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 70.2 68.9 67.5 66.2 64.8	8,790* 8,550* 8,310* 7,840* 7,450* 7,090* 6,940* 6,790* 6,480*
Fadius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 110.0 115.0 120.0	79.4 78.0 79.4 78.0 76.7 75.4 74.0 72.6 69.9 68.5 67.0 62.7 61.1 59.6 58.1 59.6	Rated Load (lbs)  19,440* 19,020* 18,620* 18,250* 17,870* 16,420 14,850 13,490 12,270 11,150 10,200 9,340 8,570 7,840 7,200	Load Radius (ft)	79.0 77.7 76.3 74.9 73.5 72.1 70.7 69.2 67.7 66.3 64.8 63.2 61.7	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 10,670 9,780 8,970 8,200 7,530	75.0 60.0 65.0 70.0 75.0 85.0 90.0 95.0 100.0 115.0 120.0 125.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 68.7 66.0 64.6 63.1 61.7 60.3	Rated Load (lbs)  18,950* 18,560* 18,160* 17,810* 16,710 15,120 13,730 12,520 11,370 10,420 9,540 8,770 8,020 7,380 6,790	Gle (dd Radius (ft)   65.0   70.0   75.0   80.0   85.0   90.0   90.0   105.0   115.0   120.0   125.0	300 Boom Angle (deg.) 79.6 78.3 76.9 75.6 74.3 72.9 71.5 70.1 68.7 67.3 65.8 64.3 62.9	7,230 Pated Load (lbs) 15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140 9,320 8,530 7,840 7,230	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0 130.0	78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 66.2 64.8 63.5 62.1 60.8	Rated Load (lbs)  18,470* 18,070* 17,700* 16,930 15,320 11,550 10,580 9,720 8,920 8,170 7,510 6,900* 6,300*	75.0 80.0 85.0 99.0 100.0 115.0 125.0 130.0 130.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3 63.9	11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190* 8,810 8,130 7,490 6,870* 6,300* 5,730*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 125.0 130.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 66.3 65.0 63.7 62.4	Pated Load (lbs)  18,000* 17,960* 17,990* 17,980 15,470 14,060 12,830 11,680 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,370*	80.0 85.0 90.0 100.0 115.0 120.0 130.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 70.2 68.9 67.5 66.2	8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,270* 7,090* 6,940* 6,790*
Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 110.0 120.0 125.0 130.0 140.0	79.4 78.0 75.4 74.0 72.6 71.2 69.9 68.5 67.0 65.6 64.1 62.7 65.6 55.0 53.3	Rated Load (lbs) 19,440* 19,020* 18,620* 18,250* 17,870* 16,420 14,850 13,490 12,270 11,150 10,200 9,340 8,570 7,840 7,200 6,630 6,040* 5,460* 4,890*	Load   Radius (ft)	79.0 77.7 76.3 74.9 73.5 72.1 70.7 69.2 67.7 66.3 64.8 63.2 60.1 58.5 56.9 55.2	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 10,670 9,780 8,200 7,530 6,940 6,370 5,790* 5,220*	80.0 65.0 70.0 85.0 90.0 105.0 115.0 125.0 135.0 140.0 145.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 70.1 68.7 67.3 66.0 64.6 63.1 61.7 60.3 58.8 57.4 55.8	Rated Load (lbs)  18,950* 18,560* 18,160* 17,810* 16,710 15,120 13,730 12,520 11,370 10,420 9,540 8,770 8,702 7,380 6,790 6,190* 5,640* 5,070* 4,580*	Control (1) (1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	79.6 78.3 76.9 75.6 74.3 72.9 71.5 66.8 66.3 66.4 59.9 58.2 56.6	Rated Load (lbs)  15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140 9,320 7,840 7,230 6,650 6,080* 5,510* 4,980*	Redius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 110.0 125.0 130.0 145.0 145.0 150.0	78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 66.2 64.8 63.5 63.2 60.8 59.4 57.9 56.4	Rated Load (lbs)  18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690 11,550 10,580 9,720 8,920 8,170 7,510 6,900* 6,300* 5,750* 5,200* 4,710* 4,250*	75.0 80.0 85.0 90.0 100.0 115.0 125.0 130.0 145.0 150.	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3 60.9 59.5 57.9	11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190* 8,810 8,130 7,490 6,870* 6,300* 5,730* 5,220* 4,730*	Padius (t) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 105.0 110.0 125.0 130.0 135.0 140.0 145.0 150.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 71.3 70.1 68.8 67.6 66.3 65.0 65.2 66.1 59.7 58.3 56.9	Pated Load (lbs)  18,000* 17,960* 17,990* 17,080 15,470 14,060 12,830 11,680 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,370* 5,820* 5,260* 4,780* 4,340*	80.0 85.0 90.0 100.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 66.2 68.9 66.2 64.8 63.4 62.0 60.5	8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,270* 7,090* 6,940* 6,790* 6,480* 5,900* 5,400*
Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 100.0 110.0 120.0 125.0 130.0 140.0 145.0	79.4 78.0 72.6 71.2 69.9 68.5 67.0 65.6 64.1 62.7 65.6 55.0 53.3 51.6	Rated Load (lbs) 19,440* 19,020* 18,620* 16,420 14,850 13,490 12,270 11,150 10,200 9,340 8,570 7,840 7,200 6,630 6,040* 5,460* 4,890* 4,380*	Load   Radius (ft)	79.0 77.7 76.3 74.9 73.5 72.1 70.7 66.3 64.8 63.2 56.9 55.2 53.5	18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 11,660 10,670 9,780 8,200 7,530 6,370 5,790* 5,220* 4,690*	800 65.0 70.0 85.0 90.0 95.0 100.0 115.0 125.0 135.0 140.0 145.0 150.0 1	79.2 77.9 76.6 75.4 74.0 72.7 71.4 70.1 68.7 67.3 66.0 64.6 63.1 61.7 58.8 57.4 55.8 54.2 52.7	Rated Load (bs) 18,950* 18,950* 18,560* 18,160* 16,710 15,120 13,730 12,520 11,370 10,420 9,540 8,770 8,020 7,380 6,190* 5,640* 5,070* 4,580* 4,120*	Control (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	79.6 78.3 76.9 75.6 74.3 72.9 71.5 66.4 66.3 65.8 66.3 55.0 55.0	Rated Load (lbs)  15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140 9,320 8,530 7,840 7,230 6,650 6,080* 5,510* 4,980* 4,490*	Radius (ti) 60.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 125.0 135.0 140.0 145.0 155.0	78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 66.2 64.8 63.5 62.1 69.4 55.0 53.5	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690 11,550 10,580 9,720 8,920 8,170 7,510 6,900* 6,300* 5,750* 5,200* 4,710* 4,250* 3,810*	75.0 80.0 85.0 90.0 95.0 110.0 115.0 125.0 135.0 145.0 155.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3 60.9 59.5 57.9 56.4	11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190* 8,810 8,130 7,490 6,870* 6,300* 5,730* 5,220* 4,730* 4,290*	Padius (t) 60.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 125.0 135.0 145.0 155.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 66.3 65.0 66.3 65.0 63.4 66.1 59.7 58.3 56.9 55.5	Rated Load (fbs) 18,000* 17,960* 17,960* 17,980* 17,080 15,470 14,060 12,830 11,680 10,710 9,830 9,030 8,260* 7,580* 6,370* 5,820* 5,260* 4,780* 4,340* 3,900*	80.0 85.0 90.0 95.0 100.0 115.0 125.0 140.0 145.0 150.0 155.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 70.2 68.9 66.2 64.8 63.4 62.0 60.5 59.1	8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,270* 7,990* 6,790* 6,790* 6,480* 5,400* 4,930* 4,470*
Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 110.0 120.0 125.0 130.0 140.0	79.4 78.0 75.4 774.0 72.6 69.9 68.5 67.0 65.6 64.1 62.7 61.1 59.6 55.0 53.3 51.6 50.0	Rated Load (lbs) 19,440* 19,020* 18,620* 18,250* 17,870* 16,420 14,850 13,490 12,270 11,150 10,200 9,340 8,570 7,840 7,200 6,630 6,040* 5,460* 4,890*	Load   Radius (ft)	79.0 77.7 76.3 74.9 73.5 72.1 70.7 66.3 64.8 63.2 56.9 55.2 53.5	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 10,670 9,780 8,200 7,530 6,940 6,370 5,790* 5,220*	80.0 65.0 70.0 85.0 90.0 105.0 115.0 125.0 135.0 140.0 145.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 70.1 68.7 67.3 66.0 64.6 63.1 61.7 60.3 58.8 57.4 55.8	Rated Load (lbs)  18,950* 18,560* 18,160* 17,810* 16,710 15,120 13,730 12,520 11,370 10,420 9,540 8,770 8,702 7,380 6,790 6,190* 5,640* 5,070* 4,580*	Control (1) (1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	79.6 78.3 76.9 75.6 74.3 72.9 71.5 66.8 66.3 66.4 59.9 58.2 56.6	Rated Load (lbs)  15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140 9,320 7,840 7,230 6,650 6,080* 5,510* 4,980*	Redius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 110.0 125.0 130.0 145.0 145.0 150.0	78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 66.2 64.8 63.5 63.2 60.8 59.4 57.9 56.4	Rated Load (lbs)  18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690 11,550 10,580 9,720 8,920 8,170 7,510 6,900* 6,300* 5,750* 5,200* 4,710* 4,250*	75.0 80.0 85.0 90.0 100.0 115.0 125.0 130.0 145.0 150.	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3 60.9 59.5 57.9	11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190* 8,810 8,130 7,490 6,870* 6,300* 5,730* 5,220* 4,730*	Padius (t) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 105.0 110.0 125.0 130.0 135.0 140.0 145.0 150.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 71.3 70.1 68.8 67.6 66.3 65.0 65.2 66.1 59.7 58.3 56.9	Pated Load (lbs)  18,000* 17,960* 17,990* 17,080 15,470 14,060 12,830 11,680 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,370* 5,820* 5,260* 4,780* 4,340*	80.0 85.0 90.0 100.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 70.2 68.9 66.2 64.8 63.4 62.0 60.5 59.1	8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,990* 6,940* 6,790* 6,480* 5,900* 5,400*
Radius (ft) 50.0 55.0 60.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0 120.0 135.0 140.0 145.0 150.0	79.4 78.0 75.4 774.0 72.6 69.9 68.5 67.0 65.6 64.1 62.7 61.1 59.6 55.0 53.3 51.6 50.0	Rated Load (lbs) 19,440* 19,020* 18,620* 17,870* 16,420 14,850 13,490 12,270 11,150 10,200 9,340 8,570 7,200 6,630 6,040* 5,460* 4,890* 4,380* 3,920*	Load   Radius (ft)	79.0 77.7 76.3 74.9 73.5 72.1 70.7 66.3 64.8 63.2 56.9 55.2 53.5	18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 11,660 10,670 9,780 8,200 7,530 6,370 5,790* 5,220* 4,690*	80.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 120.0 135.0 145.0 155.0 155.0	79.2 77.9 76.6 75.4 70.1 68.7 67.3 66.0 64.6 63.1 61.7 55.8 55.2 52.7 51.0	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810* 16,710 15,120 11,370 10,420 9,540 8,770 8,020 7,380 6,790 6,190* 5,640* 5,670* 4,580* 4,120* 3,680*	Control (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	79.6 78.3 76.9 75.6 74.3 72.9 71.5 66.4 66.3 65.8 66.3 55.0 55.0	Rated Load (lbs)  15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140 9,320 8,530 7,840 7,230 6,650 6,080* 5,510* 4,980* 4,490*	Radius (ti) 60.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 125.0 135.0 140.0 145.0 155.0	78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 66.2 64.8 63.5 62.1 69.4 55.0 53.5	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690 11,550 10,580 9,720 8,920 8,170 7,510 6,900* 6,300* 5,750* 5,200* 4,710* 4,250* 3,810*	75.0 80.0 85.0 90.0 95.0 110.0 125.0 135.0 145.0 155.0 160.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3 63.9 60.9 57.9 56.4 54.7	11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190* 8,810 8,130 7,490 6,870* 6,300* 5,730* 5,220* 4,730* 4,290* 3,830*	Padius (t) 60.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 125.0 135.0 145.0 155.0 160.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 66.3 65.0 63.7 62.4 61.1 59.7 55.5 54.0	Rated Load (lbs)  18,000* 17,960* 17,960* 17,570 15,470 14,060 12,830 11,680 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,370* 5,820* 4,780* 4,340* 3,900* 3,480*	80.0 85.0 90.0 95.0 100.0 115.0 120.0 125.0 135.0 145.0 150.0 155.0 160.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 70.2 68.9 67.5 66.2 64.8 62.0 60.5 59.1 57.5 56.0	8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,270* 7,090* 6,790* 6,480* 5,400* 4,930* 4,470* 4,030*
Radius (ft) 50.0 55.0 60.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0 120.0 135.0 140.0 145.0 150.0	79.4 78.0 75.4 774.0 72.6 69.9 68.5 67.0 65.6 64.1 62.7 61.1 59.6 55.0 53.3 51.6 50.0	Rated Load (lbs) 19,440* 19,020* 18,620* 17,870* 16,420 14,850 13,490 12,270 11,150 10,200 9,340 8,570 7,200 6,630 6,040* 5,460* 4,890* 4,380* 3,920*	Load   Radius (ft)	79.0 77.7 76.3 74.9 73.5 72.1 70.7 66.3 64.8 63.2 56.9 55.2 53.5	18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 11,660 10,670 9,780 8,200 7,530 6,370 5,790* 5,220* 4,690*	80.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 120.0 135.0 145.0 155.0 155.0	79.2 77.9 76.6 75.4 70.1 68.7 67.3 66.0 64.6 63.1 61.7 55.8 55.2 52.7 51.0	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810* 16,710 15,120 11,370 10,420 9,540 8,770 8,020 7,380 6,790 6,190* 5,640* 5,670* 4,580* 4,120* 3,680*	Control (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	79.6 78.3 76.9 75.6 74.3 72.9 71.5 66.4 66.3 65.8 66.3 55.0 55.0	Rated Load (lbs)  15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140 9,320 8,530 7,840 7,230 6,650 6,080* 5,510* 4,980* 4,490*	Radius (ti) 60.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 125.0 135.0 140.0 145.0 155.0	78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 66.2 64.8 63.5 62.1 69.4 55.0 53.5	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690 11,550 10,580 9,720 8,920 8,170 7,510 6,900* 6,300* 5,750* 5,200* 4,710* 4,250* 3,810*	75.0 80.0 85.0 90.0 95.0 110.0 125.0 135.0 145.0 155.0 160.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3 63.9 60.9 57.9 56.4 54.7	11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190* 8,810 8,130 7,490 6,870* 6,300* 5,730* 5,220* 4,730* 4,290* 3,830*	Padius (t) 60.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 125.0 135.0 145.0 155.0 160.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 66.3 65.0 63.7 62.4 61.1 59.7 55.5 54.0	Rated Load (lbs)  18,000* 17,960* 17,960* 17,570 15,470 14,060 12,830 11,680 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,370* 5,820* 4,780* 4,340* 3,900* 3,480*	80.0 85.0 90.0 95.0 100.0 115.0 125.0 135.0 145.0 155.0 160.0 165.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 70.2 68.9 67.5 66.2 64.8 62.0 60.5 59.1 57.5 56.0	8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,790* 6,940* 6,790* 6,490* 5,900* 4,470* 4,030* 3,610*
Radius (ft) 50.0 55.0 60.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 125.0 135.0 140.0 155.0	79.4 78.0 75.4 774.0 72.6 69.9 68.5 67.0 65.6 64.1 62.7 61.1 59.6 55.0 53.3 51.6 50.0	Rated Load (lbs) 19,440* 19,020* 18,620* 17,870* 16,420 14,850 13,490 12,270 11,150 10,200 9,340 8,570 7,200 6,630 6,040* 5,460* 4,890* 4,380* 3,920*	Load Radius (ft)	79.0 77.7 76.3 74.9 73.5 72.1 70.7 66.3 64.8 63.2 56.9 55.2 53.5	18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 11,660 10,670 9,780 8,200 7,530 6,370 5,790* 5,220* 4,690*	80.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 120.0 135.0 145.0 155.0 155.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 70.1 68.7 66.0 64.6 63.1 61.7 55.8 54.2 52.7 51.0 49.3	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810* 16,710 15,120 11,370 10,420 9,540 8,770 8,020 7,380 6,790 6,190* 5,640* 5,670* 4,580* 4,120* 3,680*	Load Radius (tt)	79.6 78.3 76.9 75.6 74.3 72.9 71.5 66.4 66.3 65.8 66.3 55.0 55.0	Rated Load (lbs)  15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140 9,320 8,530 7,840 7,230 6,650 6,080* 5,510* 4,980* 4,490*	Redius (ti) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 105.0 115.0 125.0 135.0 145.0 155.0 160.0	78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 66.2 64.8 63.5 62.1 69.4 55.0 53.5	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690 11,550 10,580 9,720 8,920 8,170 7,510 6,900* 6,300* 5,750* 5,200* 4,710* 4,250* 3,810*	75.0 80.0 85.0 90.0 90.0 105.0 115.0 125.0 135.0 145.0 155.0 166.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3 63.9 60.9 57.9 56.4 54.7	11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190* 8,810 8,130 7,490 6,870* 6,300* 5,730* 5,220* 4,730* 4,290* 3,830*	Padius (t) 60.0 65.0 70.0 85.0 99.0 95.0 100.0 115.0 125.0 135.0 145.0 155.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 66.3 65.0 63.7 62.4 61.1 59.7 55.5 54.0	Rated Load (lbs)  18,000* 17,960* 17,960* 17,570 15,470 14,060 12,830 11,680 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,370* 5,820* 4,780* 4,340* 3,900* 3,480*	80.0 85.0 90.0 95.0 100.0 115.0 120.0 135.0 145.0 150.0 165.0 170.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 70.2 68.9 67.5 66.2 64.8 62.0 60.5 59.1 57.5 56.0	8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,090* 6,940* 6,790* 6,480* 5,900* 5,400* 4,930* 4,470* 4,030* 3,610*

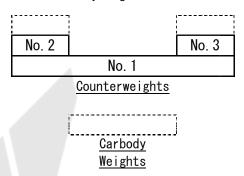
### **Supplemental Data - Clamshell**

- Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
- Rated loads do not exceed 66% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk \* in the charts.
- The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
  - Machine shall be positively secured to prevent shifting.
  - Boom backstops are required for all boom length.
  - Gantry must be fully raised position for all operations.
  - Crawlers must be fully extended and be locked in position.
  - Must have 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.
- 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.
- 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.

40	)' Boo	m	50	)' Boo	m	60	)' Boo	m
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (Ibs)
22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	63.7 60.5 57.1 53.5 49.8 45.9 41.7 37.0 31.8 25.7	22,000 * 22,000 * 22,000 * 22,000 * 22,000 * 21,400 * 20,200 * 19,200 * 18,200 *	26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 48.0	64.3 61.7 59.0 56.3 53.5 50.5 47.4 44.2 40.7 37.0 32.9 28.3	22,000 * 22,000 * 22,000 * 22,000 * 21,400 * 20,200 * 19,200 * 17,300 * 16,500 * 15,800 * 15,200 *	30.0 32.0 34.0 36.0 38.0 40.0 42.0 46.0 48.0 50.0 54.0 56.0 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 * 17,300 * 16,500 * 15,800 * 14,600 * 14,000 * 13,500 * 13,500 * 12,500 *

## Clamshell

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

70	o' Boo	m	80	)' Boo	m	90' Boom				
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)		
34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0 52.0 54.0 56.0 62.0 64.0 66.0	64.9 63.1 61.2 59.3 57.4 55.4 53.4 51.3 49.1 46.9 44.6 42.2 39.6 37.0 34.1 31.0 27.6	21,400 * 20,200 * 19,200 * 18,200 * 17,300 * 16,500 * 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 12,500 * 12,100 * 11,700 * 11,400 * 11,400 *	38.0 40.0 42.0 44.0 46.0 48.0 50.0 52.0 54.0 60.0 62.0 64.0 66.0 70.0 72.0 74.0 76.0	65.1 63.5 61.9 60.2 58.6 56.9 55.1 53.3 51.5 49.6 47.7 45.7 43.7 41.5 39.3 37.0 34.5 31.8 28.9 25.7	19,200 * 18,200 * 17,300 * 16,500 * 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 12,500 * 12,100 * 11,700 * 11,400 * 11,000 * 10,700 * 10,400 * 10,100 * 9,800 * 9,400 *	42.0 44.0 46.0 48.0 50.0 52.0 54.0 56.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0	65.2 63.8 62.4 60.9 59.5 58.0 56.4 54.9 53.3 51.7 50.0 48.3 46.6 44.8 43.0 41.0 39.0 36.9 34.7 32.4 29.9 27.2	17,300 * 16,500 * 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 12,500 * 12,100 * 11,700 * 11,700 * 11,400 * 10,700 * 10,400 * 10,100 * 9,700 9,200 9,000 8,500 8,300 7,900		
10	0' Boo	om 📗	11	0' Boo	om	12	 0' Boo	om		
Load Radius (ft)	Boom	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom	360° Rated Load (Ibs)		
46.0 48.0 50.0 52.0 54.0 56.0 60.0 62.0 64.0 66.0 70.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0 90.0 92.0 94.0	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 25.8	15,800 * 15,200 * 14,600 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 * 11,700 * 11,400 * 11,000 * 10,700 * 10,300 9,900 9,400 9,000 8,800 8,300 8,100 7,700 7,400 7,200 7,000 6,800 6,600	56.0 58.0 60.0 62.0 64.0 66.0 70.0 72.0 74.0 78.0 80.0 82.0 84.0 86.0 92.0 94.0 96.0 98.0 100.0 102.0	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 31.3 29.2 27.0 24.5	11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,800 * 10,400 * 10,100 9,700 9,300 8,900 8,500 8,200 7,900 7,500 7,200 7,000 6,800 6,600 6,400 6,200 5,900 5,700 5,500 5,300	56.0 58.0 60.0 62.0 64.0 66.0 70.0 72.0 74.0 76.0 80.0 82.0 84.0 86.0 92.0 94.0 96.0 98.0 100.0 104.0 106.0	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 31.8	11,400 * 11,300 * 11,200 * 11,000 * 10,800 * 10,600 * 10,200 * 9,900 9,500 9,100 8,800 8,400 8,100 7,700 7,400 7,100 6,800 6,600 6,400 6,200 6,000 5,700 5,500 5,300 5,100 5,000		

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.
- 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.
- Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine rated loads.
- Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
- When lifting over boom point with jib or auxiliary sheave, rated loads for the boom must be deducted as shown below.

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

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.
- 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.
- 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.

- 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.

Barge

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

	40'	Boon	n				50	' Boor	n				60	'Boor	n		
		3	60° Rated	d Load (II)	os)			3	60° Rated	d Load (II)	os)			3	60° Rated	d Load (lk	os)
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
11.0	80.5	220,000 *				12.0	81.2	213,200 *				13.0	81.7	200,400 *			
12.0	79.0	213,300 *				13.0	80.0	200,600 *				14.0	80.7	187,400 *			
13.0 14.0	77.5 76.0	200,800 * 188,100 *				14.0 15.0	78.9 77.7	187,800 * 175,600 *				15.0 16.0	79.8 78.8	175,200 * 164,800 *			
15.0	74.6	175,900 *	175,900 *			16.0	76.6	165,300 *				17.0	77.8	155,500 *			
16.0	73.1	165,500 *	165,500 *			17.0	75.4	156,000 *				18.0	76.8	146,900 *			
17.0	71.6	156,300 *	156,300 *	127,700 *		18.0	74.2	147,400 *	143,200 *			19.0	75.9	139,800 *	123,900 *		
18.0	70.1	147,800 *	146,400 *	126,100 *		19.0	72.9	140,100 *	132,200 *			20.0	74.9	132,200	118,100 *		
19.0	68.5	140,500 *	134,600 *	122,400 *	100 200 *	20.0	71.7	132,400	122,900	00 500 *		22.0	72.9	115,100	105,300	01 600 *	
20.0	66.9 63.7	132,800 115,600	124,900 108,300	116,500 * 103,400	100,300 * 97,800 *	22.0	69.3 66.8	115,300 101,000	106,800 94,400	98,500 * 89,500 *	77,800 *	24.0	70.9 68.8	100,800 89,100	93,000 83,200	81,600 * 78,700	
24.0	60.4	101,300	95,600	92,000	88,400	26.0	64.3	89,400	84,500	80,700	75,600 *	28.0	66.7	80,500	75,300	71,600	63,000 *
26.0	57.0	89,600	85,600	82,700	79,900	28.0	61.7	80,700	76,400	73,400	70,700	30.0	64.6	72,800	68,700	65,700	61,500 *
28.0	53.4	80,900	77,400	75,100	72,900	30.0	59.1	73,000	69,700	67,200	64,900	32.0	62.5	66,600	63,200	60,600	58,400
30.0	49.8	73,300	70,600	68,700	67,000	32.0	56.3	67,000	63,900	61,900	60,000	34.0	60.3	61,600	58,400	56,200	54,400
32.0 34.0	45.8 41.2	67,200 61,700	64,800 60,000	63,400 58,900	62,000 57,800	34.0 36.0	53.4 50.3	62,000 57,800	59,100 55,000	57,400 53,600	55,900 52,300	36.0 38.0	58.0 55.7	57,300 53,100	54,200 50,600	52,400 49,100	50,800 47,700
36.0	36.2	56,600	55,700*	54,700*	53,700*	38.0	47.3	53,600	51,400	50,100	49,000	40.0	53.4	49,300	47,500	46,100	44,900
38.0	31.1	51,500	51,000 *	49,700*	48,400 *	40.0	44.0	49,800	48,100	47,200	46,300	42.0	50.9	46,600	44,600	43,500	42,400
40.0	25.4	45,900 *	44,800 *	43,600 *	42,500 *	42.0	40.4	47,000	45,400	44,600	43,800	44.0	48.3	43,800	42,100	41,100	40,200
						44.0	36.7	44,300	42,900	42,200	41,500	46.0	45.8	41,100	39,800	38,900	38,100
						46.0 48.0	62.9	41,500 38,300	40,600 38,200 *	40,000 37,400 *	39,500 36,700 *	48.0 50.0	42.8 39.9	39,200 37,200	37,700 35,900	37,000 35,300	36,300 34,800
						50.0	22.3	35,100	34,800 *	33,900 *	30,700	55.0	31.2	32,900	31,900 *	31,500 *	31,100 *
						4 1			,,,,,,			60.0	20.7	28,600 *		- ,	,
														P			
L_		_	7		4	-			6	4	4	-			_		4
Nee	eves	8		6	4	I Net	eves	8		- 4	- 4	LACE	eves	8	5	4	4
	70' Boom		n				90	' Poor					90	' Poor	n		
	70	_		d Lood (Ik	201		80	'Boor	n	d Lood (lk	201		90	'Boor		d Lood (Ik	201
Load		3	60° Rated	d Load (III		Load		3	<b>n</b> 60° Rated			Load		3	60° Rated		
Load Padius	Boom Angle	0 Degree Machine	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	Load Padius	Boom Angle	0 Degree Machine	60° Rateo	2 Degree Machine	2 Degree Machine	Load Radius	Boom Angle	0 Degree Machine	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine
Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	60° Rateo	2 Degree	2 Degree	Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	n 60° Rated	2 Degree	2 Degree	Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	60° Rated	2 Degree	2 Degree
<b>Radius</b>	Boom Angle	O Degree Machine List 151,000 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius	Boom Angle	0 Degree Machine	60° Rateo	2 Degree Machine	2 Degree Machine	<b>Padius</b>	Boom Angle	0 Degree Machine	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine
Radius (ft) 15.0	Boom Angle (deg.) 81.3	0 Degree Machine List	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius (ft) 16.0	Boom Angle (deg.) 81.6	0 Degree Machine List 151,000 *	60° Rateo	2 Degree Machine	2 Degree Machine	Radius (ft) 17.0	Boom Angle (deg.) 81.9	O Degree Machine List 125,800 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine
Radius (ft) 15.0 16.0 17.0 18.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7	O Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius (ft) 16.0 17.0 18.0 19.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5	0 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 *	60° Rateo	2 Degree Machine	2 Degree Machine	Padius (ft) 17.0 18.0 19.0 20.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0	0 Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine
15.0 16.0 17.0 18.0 19.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9	0 Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	Padius (ft) 16.0 17.0 18.0 19.0 20.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800	60° Rateo	2 Degree Machine	2 Degree Machine	Padius (ft) 17.0 18.0 19.0 20.0 22.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7	3 0 Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine
Padius (ft)  15.0  16.0  17.0  18.0  19.0  20.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9 77.1	0 Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius (ft) 16.0 17.0 18.0 19.0 20.0 22.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100	60° Rateo	2 Degree Machine	2 Degree Machine	17.0 18.0 19.0 20.0 22.0 24.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4	30 Degree Machine List 125,800 * 125,800 * 124,000 * 112,500 * 100,800	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine
15.0 16.0 17.0 18.0 19.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9	0 Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	Padius (ft) 16.0 17.0 18.0 19.0 20.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800	60° Rateo	2 Degree Machine	2 Degree Machine	Padius (ft) 17.0 18.0 19.0 20.0 22.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7	3 0 Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine
15.0 16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9 77.1 75.4 73.7 72.0	30 Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600	60° Ratec 1 Degree Machine List	2 Degree Machine List	2 Degree Machine	Radius (ft)  16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100 101,000 89,200 80,500	1 Degree Machine List 81,800 74,100	2 Degree Machine	2 Degree Machine	Radius (ft)  17.0  18.0  19.0  20.0  24.0  26.0  28.0  30.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5	30 Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800	60° Pated 1 Degree Machine List	2 Degree Machine List	2 Degree Machine
15.0 16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9 77.1 75.4 73.7 72.0 70.3	30 Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600 80,800	92,400 82,800 75,000	2 Degree Machine List  68,700 * 67,400 *	2 Degree Machine List	Radius (ft)  16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8 71.2	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100 101,000 89,200 80,500 72,800	1 Degree Machine List 81,800 74,100 67,700	2 Degree Machine List 58,100 *	2 Degree Machine List	Radius (ft)  17.0  18.0  19.0  20.0  24.0  26.0  28.0  30.0  32.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1	30 Degree Machine List 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 100,800 89,100 80,500 72,800 66,600	60° Ratec 1 Degree Machine List 73,000 * 66,900 61,600	2 Degree Machine List	2 Degree Machine
Radius (ft) 15.0 16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9 77.1 75.4 73.7 72.0 70.3 68.5	38 O Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600 80,800 73,000	92,400 82,800 75,000 68,500	2 Degree Machine List  68,700 * 67,400 * 65,000	2 Degree Machine List	Radius (ft)  16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8 71.2 69.7	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100 101,000 89,200 80,500 72,800 66,600	1 Degree Machine List  81,800 74,100 67,700 62,200	2 Degree Machine List 58,100 * 57,100 *	2 Degree Machine List	Radius (ft)  17.0  18.0  19.0  20.0  24.0  26.0  28.0  30.0  32.0  34.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1 70.8	30 Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600	73,000 * 66,900 61,600 56,900	2 Degree Machine List  50,600 * 49,600 *	2 Degree Machine List
Radius (ft) 15.0 16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9 77.1 75.4 73.7 72.0 70.3 68.5 66.7	38 O Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600 80,800 73,000 67,000	92,400 82,800 75,000 68,500 63,000	2 Degree Machine List  68,700 * 67,400 * 65,000 60,100	2 Degree Machine List 53,600 * 51,800 *	Radius (ft) 16.0 17.0 18.0 19.0 20.0 24.0 26.0 28.0 30.0 32.0 34.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8 71.2 69.7 68.2	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100 101,000 89,200 80,500 72,800 66,600 61,600	1 Degree Machine List  81,800 74,100 67,700 62,200 57,500	2 Degree Machine List 58,100 * 57,100 * 54,700	2 Degree Machine List 46,400 * 44,700 *	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 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1	30 Degree Machine List 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300	73,000 * 66,900 61,600 56,900 53,000	2 Degree Machine List 50,600 * 49,600 * 49,000 *	2 Degree Machine List  39,900 *
Radius (ft) 15.0 16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9 77.1 75.4 73.7 72.0 70.3 68.5	38 O Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600 80,800 73,000	92,400 82,800 75,000 68,500	2 Degree Machine List  68,700 * 67,400 * 65,000	2 Degree Machine List	Radius (ft)  16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8 71.2 69.7	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100 101,000 89,200 80,500 72,800 66,600	1 Degree Machine List  81,800 74,100 67,700 62,200	2 Degree Machine List 58,100 * 57,100 *	2 Degree Machine List	Radius (ft)  17.0  18.0  19.0  20.0  24.0  26.0  28.0  30.0  32.0  34.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1 70.8 69.4	30 Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600	73,000 * 66,900 61,600 56,900	2 Degree Machine List  50,600 * 49,600 *	2 Degree Machine List
Radius (ft)  15.0  16.0  17.0  18.0  19.0  20.0  24.0  26.0  28.0  30.0  32.0  34.0  36.0  38.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9 77.1 75.4 73.7 72.0 70.3 68.5 66.7 64.9 63.0 61.2	30 Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600 80,800 73,000 67,000 62,000 57,800 53,600	92,400 82,800 75,000 68,500 63,000 58,300 54,200 50,600	2 Degree Machine List  68,700 * 67,400 * 65,000 60,100 55,700 52,100 48,700	2 Degree Machine List 53,600 * 51,800 * 49,900 * 47,900 * 45,800	Radius (ft) 16.0 17.0 18.0 19.0 20.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	Room Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8 66.6 65.1 63.5	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100 101,000 89,200 80,500 72,800 66,600 61,600 57,300 53,100 49,300	81,800 74,100 67,700 62,200 57,500 53,500 50,000 46,800	2 Degree Machine List  58,100 * 57,100 * 54,700 51,000 47,800 45,000	2 Degree Machine List  46,400 * 44,700 * 43,300 * 41,800 * 40,400 *	Radius (ft) 17.0 18.0 19.0 20.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 70.8 69.4 68.0 66.6 65.2	30 Degree Machine List 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500	73,000 * 66,900 61,600 56,900 49,500 46,300 43,600	2 Degree Machine List  50,600 * 49,600 * 49,000 * 47,000 44,200 41,700	2 Degree Machine List  39,900 * 38,500 * 37,600 * 36,400 *
Radius (ft)  15.0  16.0  17.0  18.0  19.0  20.0  24.0  26.0  30.0  32.0  34.0  36.0  38.0  40.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9 77.1 75.4 73.7 72.0 70.3 68.5 66.7 64.9 63.0 61.2 59.3	30 Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600 80,800 73,000 67,000 62,000 57,800 53,600 49,800	92,400 82,800 75,000 68,500 63,000 54,200 50,600 47,400	2 Degree Machine List  68,700 * 67,400 * 65,000 60,100 55,700 52,100 48,700 45,700	2 Degree Machine List  53,600 * 51,800 * 49,900 * 47,900 * 45,800 43,800	Radius (ft)  16.0 17.0 18.0 19.0 20.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	Room Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8 71.2 69.7 68.2 66.6 65.1 63.5 61.8	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100 101,000 89,200 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,600	81,800 74,100 67,700 62,200 57,500 53,500 50,000 46,800 44,100	2 Degree Machine List  58,100 * 57,100 * 54,700 51,000 47,800 45,000 42,400	2 Degree Machine List  46,400 * 44,700 * 43,300 * 41,800 * 40,400 * 39,000 *	Radius (ft)  17.0  18.0  19.0  20.0  24.0  26.0  28.0  30.0  32.0  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 74.8 73.5 72.1 70.8 69.4 68.0 66.6 65.2 63.8	30 Degree Machine List 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500 43,700	73,000 * 66,900 61,600 56,900 49,500 46,300 43,600 41,100	2 Degree Machine List  50,600 * 49,600 * 47,000 * 44,200 41,700 39,500	2 Degree Machine List  39,900 * 38,500 * 37,600 * 36,400 * 35,400 *
Redius (ft)  15.0  16.0  17.0  18.0  19.0  20.0  24.0  26.0  30.0  32.0  34.0  36.0  38.0  40.0  42.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9 77.1 75.4 73.7 72.0 70.3 68.5 66.7 64.9 63.0 61.2 59.3 57.3	30 Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600 80,800 73,000 67,000 62,000 57,800 53,600 49,800 46,900	92,400 82,800 75,000 68,500 63,000 54,200 50,600 47,400 44,600	2 Degree Machine List  68,700 * 67,400 * 65,000 60,100 55,700 52,100 48,700 45,700 43,100	2 Degree Machine List  53,600 * 51,800 * 49,900 * 47,900 * 45,800 43,800 41,500	Padius (t)  16.0 17.0 18.0 19.0 20.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0	Room Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 71.2 69.7 68.2 66.6 65.1 63.5 61.8 60.2	3 0 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100 101,000 89,200 80,500 72,800 61,600 57,300 53,100 49,300 46,600 43,800	81,800 74,100 67,700 62,200 57,500 53,500 50,000 46,800 44,100 41,600	2 Degree Machine List  58,100 * 57,100 * 54,700 51,000 47,800 45,000 42,400 40,100	2 Degree Machine List  46,400 * 44,700 * 43,300 * 41,800 * 40,400 * 39,000 * 37,700	Padius (ti)  17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0	Boom Angle (deg.) 81.9 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 63.8 62.4	30 Degree Machine List 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 110,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500 43,700 40,900	73,000 * 66,900 61,600 56,900 49,500 46,300 43,600 41,100 38,900	2 Degree Machine List  50,600 * 49,600 * 47,000 * 44,200 41,700 39,500 37,400	39,900 * 38,500 * 37,600 * 36,400 * 35,400 * 34,300
Radius (ft)  15.0  16.0  17.0  18.0  19.0  20.0  24.0  26.0  30.0  32.0  34.0  36.0  38.0  40.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9 77.1 75.4 73.7 72.0 70.3 68.5 66.7 64.9 63.0 61.2 59.3	30 Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600 80,800 73,000 67,000 62,000 57,800 53,600 49,800	92,400 82,800 75,000 68,500 63,000 54,200 50,600 47,400	2 Degree Machine List  68,700 * 67,400 * 65,000 60,100 55,700 52,100 48,700 45,700	2 Degree Machine List  53,600 * 51,800 * 49,900 * 47,900 * 45,800 43,800	Radius (ft)  16.0 17.0 18.0 19.0 20.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	Room Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8 71.2 69.7 68.2 66.6 65.1 63.5 61.8	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100 101,000 89,200 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,600	81,800 74,100 67,700 62,200 57,500 53,500 50,000 46,800 44,100 41,600 39,300	2 Degree Machine List  58,100 * 57,100 * 54,700 51,000 47,800 42,400 40,100 38,000	2 Degree Machine List  46,400 * 44,700 * 43,300 * 41,800 * 40,400 * 39,000 *	Radius (ft)  17.0  18.0  19.0  20.0  24.0  26.0  28.0  30.0  32.0  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 74.8 73.5 72.1 70.8 69.4 68.0 66.6 65.2 63.8	30 Degree Machine List 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500 43,700	73,000 * 66,900 61,600 43,600 41,100 38,900 36,900	2 Degree Machine List  50,600 * 49,600 * 47,000 * 44,200 41,700 39,500 37,400 35,600	2 Degree Machine List  39,900 * 38,500 * 37,600 * 36,400 * 35,400 *
Padius (tt) 15.0 16.0 17.0 18.0 19.0 20.0 22.0 24.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0	Boom Angle (deg.) 81.3 80.4 79.6 77.9 77.1 75.4 73.7 70.3 68.5 66.7 64.9 63.0 61.2 59.3 57.3 55.3	30 Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600 80,800 67,000 67,000 62,000 57,800 53,600 49,800 46,900 44,100	92,400 82,800 75,000 68,500 63,000 54,200 50,600 47,400 44,600 42,100	2 Degree Machine List  68,700 * 67,400 * 65,000 60,100 55,700 52,100 48,700 45,700 43,100 40,800	2 Degree Machine List  53,600 * 51,800 * 49,900 * 47,900 * 45,800 41,500 39,700	Padius (tt)  16.0 17.0 18.0 19.0 20.0 22.0 24.0 24.0 32.0 33.0 34.0 36.0 38.0 40.0 44.0 44.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 71.2 66.6 65.1 63.5 61.8 60.2 58.5	3 0 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100 101,000 89,200 80,500 72,800 61,600 57,300 53,100 49,300 46,600 43,800 41,100	81,800 74,100 67,700 62,200 57,500 53,500 50,000 46,800 44,100 41,600	2 Degree Machine List  58,100 * 57,100 * 54,700 51,000 47,800 45,000 42,400 40,100	2 Degree Machine List  46,400 * 44,700 * 43,300 * 41,800 * 40,400 * 39,000 * 37,700 36,200	Padius (tt)  17.0 18.0 19.0 20.0 22.0 24.0 26.0 38.0 34.0 36.0 38.0 40.0 44.0 44.0 46.0 48.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 69.4 68.0 66.6 65.2 63.8 62.4 60.9	30 Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600 57,300 53,100 49,300 46,500 43,700 40,900 38,900	73,000 * 66,900 61,600 56,900 49,500 46,300 43,600 41,100 38,900	2 Degree Machine List  50,600 * 49,600 * 47,000 * 44,200 41,700 39,500 37,400	39,900 * 38,500 * 37,600 * 36,400 * 35,400 * 34,300 33,200
Padius (ft)  15.0  16.0  17.0  18.0  19.0  20.0  24.0  24.0  30.0  32.0  34.0  36.0  38.0  40.0  44.0  46.0  48.0  50.0	Boom Angle (deg.) 81.3 80.4 79.6 77.9 77.1 75.4 73.7 72.0 68.5 66.7 64.9 61.2 59.3 57.3 55.3 51.2 49.0	30 Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600 80,800 73,000 67,000 62,000 53,600 49,800 46,900 44,100 41,300 39,400 37,400	92,400 82,800 75,000 68,500 63,000 50,600 47,400 44,600 42,100 39,800 37,700 35,900	68,700 * 67,400 * 65,000 60,100 55,700 55,700 48,700 45,700 43,100 40,800 38,700 36,700 35,100	2 Degree Machine List  53,600 * 51,800 * 49,900 * 47,900 * 45,800 41,500 39,700 37,700 35,900 34,300	Padius (tt) 16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 33.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 55.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8 71.2 69.7 68.2 66.6 63.5 61.8 60.2 58.5 56.8 55.1 50.5	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 101,000 89,200 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,600 43,800 41,100 39,100 37,100 32,700	81,800 74,100 67,700 62,200 53,500 50,000 44,100 41,600 39,300 37,300 35,500 31,500	2 Degree Machine List  58,100 * 57,100 * 54,700 51,000 47,800 42,400 40,100 38,000 36,200 34,500 30,800	46,400 * 46,400 * 44,700 * 43,300 * 41,800 * 40,400 * 39,000 * 37,700 36,200 34,800 33,600 30,000	Padius (tt)  17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 33.0 34.0 34.0 34.0 44.0 44.0 45.0 55.0 60.0	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 66.6 65.2 63.8 62.4 60.9 59.4 55.7 51.7	30 Degree Machine List 125,800 * 125,800 * 125,800 * 112,500 * 110,800 89,100 80,500 72,800 66,600 61,600 57,300 40,900 38,900 36,900 32,500 29,000	73,000 * 66,900 61,600 53,000 49,500 44,100 38,900 36,900 31,200 28,100	2 Degree Machine List  50,600 * 49,600 * 47,000 41,700 39,500 37,400 35,600 34,000 30,300 27,400	39,900 * 38,500 * 37,600 * 36,400 * 34,300 32,000 29,200 26,600
Padius (ft)  15.0  16.0  17.0  18.0  19.0  20.0  24.0  24.0  30.0  34.0  36.0  38.0  40.0  44.0  46.0  48.0  50.0  55.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9 77.1 75.4 73.7 72.0 68.5 66.7 64.9 61.2 59.3 57.3 55.3 51.2 49.0 43.2	30 Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600 80,800 73,000 62,000 62,000 49,800 44,100 41,300 39,400 37,400 33,200	92,400 82,800 75,000 68,500 63,000 54,200 50,600 47,400 44,600 42,100 39,800 37,700 35,900 32,000	68,700 * 67,400 * 65,000 60,100 55,700 52,100 48,700 45,700 43,100 40,800 38,700 36,700 35,100 31,400	2 Degree Machine List  53,600 * 51,800 * 49,900 * 47,900 * 45,800 41,500 39,700 37,700 35,900 34,300 30,800	Padius (tt) 16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 33.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 55.0 60.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8 71.2 69.7 68.2 66.6 63.5 61.8 60.2 58.5 56.8 55.1 50.5 45.7	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100 101,000 89,200 80,500 72,800 66,600 61,600 57,300 46,600 43,800 41,100 39,100 37,100 32,700 29,200	81,800 74,100 67,700 62,200 53,500 50,000 44,100 41,600 39,300 37,300 31,500 28,300	2 Degree Machine List  58,100 * 57,100 * 54,700 51,000 47,800 42,400 40,100 38,000 36,200 34,500 30,800 27,700	46,400 * 44,700 * 44,700 * 44,700 * 44,700 * 40,400 * 39,000 * 37,700 36,200 34,800 33,600 30,000 27,200	Padius (ft)  17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 33.0 34.0 34.0 34.0 44.0 46.0 48.0 55.0 60.0 65.0	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 66.6 65.2 63.8 62.4 60.9 59.4 55.7 51.7 47.4	0 Degree Machine List 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 46,500 43,700 40,900 38,900 36,900 32,500 29,000 26,100	73,000 * 66,900 61,600 53,000 49,500 44,100 38,900 36,900 31,200 28,100 25,400	2 Degree Machine List  50,600 * 49,600 * 47,000 44,200 41,700 39,500 37,400 35,600 34,000 30,300 27,400 24,800	39,900 * 38,500 * 37,600 * 36,400 * 34,300 32,000 29,200 26,600 24,200
Padius (ft)  15.0  16.0  17.0  18.0  19.0  20.0  22.0  24.0  26.0  30.0  32.0  34.0  36.0  38.0  40.0  44.0  46.0  48.0  50.0  55.0  60.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9 77.1 75.4 73.7 72.0 68.5 66.7 64.9 61.2 59.3 55.3 55.3 51.2 49.0 43.2 36.9	38 O Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600 80,800 73,000 67,000 62,000 57,800 53,600 49,800 44,100 41,300 39,400 37,400 33,200 29,600	92,400 82,800 75,000 63,000 54,200 50,600 47,400 44,600 42,100 39,800 37,700 35,900 32,000 28,800	68,700 * 67,400 * 67,400 * 65,000 60,100 55,700 45,700 45,700 43,100 40,800 38,700 36,700 31,400 28,400	2 Degree Machine List  53,600 * 51,800 * 49,900 * 47,900 * 45,800 41,500 39,700 37,700 35,900 34,300 30,800 28,100	Padius (tt)  16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 34.0 44.0 46.0 48.0 55.0 60.0 65.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8 71.2 69.7 68.2 66.6.1 63.5 61.8 60.2 58.5 56.8 55.1 50.5 45.7 40.4	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100 101,000 89,200 80,500 72,800 66,600 61,600 57,300 49,300 46,600 43,800 41,100 39,100 37,100 32,700 29,200 26,300	81,800 74,100 67,700 62,200 57,500 53,500 44,100 41,600 39,300 37,300 31,500 28,300 25,700	2 Degree Machine List  58,100 * 57,100 * 51,000 47,800 42,400 40,100 38,000 36,200 34,500 30,800 27,700 25,300	46,400 * 44,700 * 43,300 * 40,400 * 37,700 36,200 34,800 33,600 30,000 27,200 24,800	Padius (ft)  17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 34.0 34.0 44.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0	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 66.6 65.2 63.8 62.4 60.9 59.4 55.7 51.7 47.4 42.9	30 Degree Machine List 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 46,500 43,700 40,900 38,900 32,500 29,000 26,100 23,800	73,000 * 66,900 61,600 49,500 44,100 36,900 35,100 31,200 28,100 25,400 23,100	2 Degree Machine List  50,600 * 49,600 * 49,000 * 47,000 41,700 39,500 37,400 35,600 34,000 30,300 27,400 24,800 22,700	39,900 * 38,500 * 36,400 * 35,400 * 34,300 32,000 29,200 26,600 24,200 22,200
Padius (ft)  15.0  16.0  17.0  18.0  19.0  20.0  24.0  24.0  30.0  34.0  36.0  38.0  40.0  44.0  46.0  48.0  50.0  55.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9 77.1 75.4 73.7 72.0 68.5 66.7 64.9 61.2 59.3 57.3 55.3 51.2 49.0 43.2	30 Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600 80,800 73,000 62,000 62,000 49,800 44,100 41,300 39,400 37,400 33,200	92,400 82,800 75,000 68,500 63,000 54,200 50,600 47,400 44,600 42,100 39,800 37,700 35,900 32,000	68,700 * 67,400 * 65,000 60,100 55,700 52,100 48,700 45,700 43,100 40,800 38,700 36,700 35,100 31,400	2 Degree Machine List  53,600 * 51,800 * 49,900 * 47,900 * 45,800 41,500 39,700 37,700 35,900 34,300 30,800	Padius (tt) 16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 33.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 55.0 60.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8 71.2 69.7 68.2 66.6 63.5 61.8 60.2 58.5 56.8 55.1 50.5 45.7	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100 101,000 89,200 80,500 72,800 66,600 61,600 57,300 46,600 43,800 41,100 39,100 37,100 32,700 29,200	81,800 74,100 67,700 62,200 53,500 50,000 44,100 41,600 39,300 37,300 31,500 28,300	2 Degree Machine List  58,100 * 57,100 * 54,700 51,000 47,800 42,400 40,100 38,000 36,200 34,500 30,800 27,700	46,400 * 44,700 * 44,700 * 44,700 * 44,700 * 40,400 * 39,000 * 37,700 36,200 34,800 33,600 30,000 27,200	Padius (ft)  17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 33.0 34.0 34.0 34.0 44.0 46.0 48.0 55.0 60.0 65.0	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 66.6 65.2 63.8 62.4 60.9 59.4 55.7 51.7 47.4	0 Degree Machine List 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 46,500 43,700 40,900 38,900 36,900 32,500 29,000 26,100	73,000 * 66,900 61,600 53,000 49,500 44,100 38,900 36,900 31,200 28,100 25,400	2 Degree Machine List  50,600 * 49,600 * 47,000 44,200 41,700 39,500 37,400 35,600 34,000 30,300 27,400 24,800	39,900 * 38,500 * 37,600 * 36,400 * 34,300 32,000 29,200 26,600 24,200
Padius (ft)  15.0  16.0  17.0  18.0  19.0  20.0  22.0  24.0  26.0  30.0  32.0  34.0  36.0  38.0  40.0  44.0  46.0  48.0  50.0  55.0  60.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9 77.1 75.4 73.7 72.0 68.5 66.7 64.9 61.2 59.3 55.3 55.3 51.2 49.0 43.2 36.9	38 O Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600 80,800 73,000 67,000 62,000 57,800 53,600 49,800 44,100 41,300 39,400 37,400 33,200 29,600	92,400 82,800 75,000 63,000 54,200 50,600 47,400 44,600 42,100 39,800 37,700 35,900 32,000 28,800	68,700 * 67,400 * 67,400 * 65,000 60,100 55,700 45,700 45,700 43,100 40,800 38,700 36,700 31,400 28,400	2 Degree Machine List  53,600 * 51,800 * 49,900 * 47,900 * 45,800 41,500 39,700 37,700 35,900 34,300 30,800 28,100	Padius (tt)  16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 34.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 70.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8 71.2 69.7 68.2 66.6 65.1 63.5 61.8 60.2 58.5 56.8 55.1 50.5 45.7 40.4 34.3	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100 101,000 89,200 80,500 72,800 66,600 61,600 57,300 49,300 46,600 43,800 41,100 39,100 37,100 32,700 29,200 26,300 24,100	81,800 74,100 67,700 62,200 53,500 50,000 44,100 41,600 39,300 37,300 35,500 31,500 28,300 25,700 23,400	2 Degree Machine List  58,100 * 57,100 * 54,700 51,000 47,800 42,400 40,100 38,000 36,200 34,500 30,800 27,700 25,300 23,100	46,400 * 46,400 * 44,700 * 43,300 * 41,800 * 40,400 * 39,000 * 37,700 36,200 34,800 33,600 30,000 27,200 24,800 22,800	Padius (ft)  17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 34.0 34.0 44.0 46.0 48.0 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 74.8 73.5 72.1 70.8 66.6 65.2 63.8 66.4 60.9 59.4 55.7 51.7 47.4 42.9 37.9 32.2	30 Degree Machine List 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 46,500 43,700 40,900 38,900 32,500 29,000 26,100 23,800 21,800	73,000 * 66,900 61,600 56,900 43,600 41,100 38,900 35,100 31,200 28,100 21,200	2 Degree Machine List  50,600 * 49,600 * 49,000 * 47,000 44,200 41,700 39,500 37,400 35,600 34,000 30,300 27,400 24,800 22,700 20,800	39,900 * 38,500 * 37,600 * 36,400 * 35,400 * 32,000 29,200 26,600 24,200 22,200 20,500
Redius (ft)  15.0 16.0 17.0 18.0 19.0 20.0 24.0 24.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 55.0 60.0 65.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9 77.1 75.4 73.7 72.0 68.5 66.7 64.9 61.2 59.3 55.3 55.3 51.2 49.0 43.2 36.9	38 O Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600 80,800 73,000 67,000 62,000 57,800 53,600 49,800 44,100 41,300 39,400 37,400 33,200 29,600	92,400 82,800 75,000 63,000 54,200 50,600 47,400 44,600 42,100 39,800 37,700 35,900 32,000 28,800	68,700 * 67,400 * 67,400 * 65,000 60,100 55,700 45,700 45,700 43,100 40,800 38,700 36,700 31,400 28,400	2 Degree Machine List  53,600 * 51,800 * 49,900 * 47,900 * 45,800 41,500 39,700 37,700 35,900 34,300 30,800 28,100	Padius (tt)  16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 55.0 60.0 65.0 75.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8 71.2 69.7 68.2 66.6 65.1 63.5 61.8 60.2 58.5 56.8 55.1 50.5 45.7 40.4 34.3	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100 101,000 89,200 80,500 72,800 66,600 61,600 57,300 49,300 46,600 43,800 41,100 39,100 37,100 32,700 29,200 26,300 24,100	81,800 74,100 67,700 62,200 53,500 50,000 44,100 41,600 39,300 37,300 35,500 31,500 28,300 25,700 23,400	2 Degree Machine List  58,100 * 57,100 * 54,700 51,000 47,800 42,400 40,100 38,000 36,200 34,500 30,800 27,700 25,300 23,100	46,400 * 46,400 * 44,700 * 43,300 * 41,800 * 40,400 * 39,000 * 37,700 36,200 34,800 33,600 30,000 27,200 24,800 22,800	Redius (tt)  17.0 18.0 19.0 20.0 22.0 24.0 26.0 38.0 34.0 36.0 38.0 44.0 44.0 45.0 65.0 65.0 75.0 80.0 85.0	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 66.6 65.2 63.8 66.4 60.9 59.4 55.7 51.7 47.4 42.9 37.9 32.2	30 Degree Machine List 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 46,500 43,700 40,900 38,900 32,500 29,000 26,100 23,800 21,800 20,100	73,000 * 66,900 61,600 55,000 44,500 43,600 41,100 38,900 35,100 31,200 28,100 25,400 21,200 19,600	2 Degree Machine List  50,600 * 49,600 * 49,000 * 47,000 41,700 39,500 37,400 35,600 34,000 22,700 20,800 19,300 19,300	39,900 * 38,500 * 37,600 * 35,400 * 34,300 32,000 29,200 26,600 24,200 20,500 19,100

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	os)				60° Rated	l Load (lk	os)				60° Rated	d Load (lk	os)
Load	Boom	0 Degree Machine	1 Degree Machine	2 Degree Machine	2 Degree Machine	Load Radius	Boom	0 Degree Machine	1 Degree Machine	2 Degree Machine	2 Degree Machine	Load	Boom	0 Degree Machine	1 Degree Machine	2 Degree Machine	2 Degree Machine
Radius (ft)	Angle (deg.)	List	List	List	List	(ft)	Angle (deg.)	List	List	List	List	Radius (ft)	Angle (deg.)	List	List	List	List
19.0	81.6	125,600 *				20.0	81.8	100,800 *				22.0	81.6	98,700 *			
20.0 22.0	81.0 79.9	123,600 * 112,200 *				22.0 24.0	80.8 79.7	100,800 * 96,500 *				24.0 26.0	80.6 79.6	94,200 * 88,000 *			
24.0	78.7	100,600				26.0	78.6	88,500 *				28.0	78.6	79,900			
26.0	77.5	88,900				28.0	77.6	80,200				30.0	77.7	72,200			
28.0	76.3	80,200				30.0	76.5	72,400				32.0	76.7	66,100	52.000 *		
30.0 32.0	75.1 74.0	72,400 66,300	60,800			32.0 34.0	75.4 74.3	66,300 61,300	55,900 *			34.0 36.0	75.7 74.7	61,100 56,800	53,000 * 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			40.0	72.7	48,700	45,000	33,900 *	
38.0	70.3	52,700	48,900	42,900 *	24000 %	40.0	71.1	48,900	45,500	37,900 *		42.0	71.7	45,800	42,200	33,400 *	
40.0 42.0	69.1 67.9	48,900 46,200	45,800 43,100	42,400 * 40,900 *	34,800 * 33,500 *	42.0 44.0	70.0 68.9	46,200 43,400	42,900 40,400	37,500 * 37,000 *	28,900 *	44.0 46.0	70.7 69.7	43,000 40,200	39,800 37,600	33,000 * 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	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	26,700	25,500	65.0	56.5	25,900	24,700	23,900	23,100	70.0	56.8	23,200	22,200	21,400	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 80.0	44.8 40.5	21,400	20,700	20,300	20,000	80.0	46.4 42.6	19,600	19,000 17,700	18,600	18,200	85.0 90.0	47.7 44.3	17,700 16,500	17,200	16,700	16,300
85.0	36.0	19,600 18,100	19,200 17,700	18,800 17,500	18,500 17,200	85.0 90.0	38.6	18,100 16,800	16,400	17,300 16,100	17,000 15,700	95.0	44.5	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	Rec	eves	4	4	2	2	Ree	eves	4	4	2	2
	130	)' Booi	m				140	)' Boo	m				150	)' Boo	m		
		30	60° Rated	d Load (lb	os)	360° Rated			Load (lbs)				360° Rated Load (lbs)				
Load Radius (ft)	Boom Angle (deg.)	0 Degree	4 D													Loud (IL	
24.0	(ucy.)	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
	81.3	List 85,100 *	Machine	Machine	Machine	Radius (ft) 24.0	Angle (deg.) 81.9	Machine List 72,900 *	Machine	2 Degree Machine	2 Degree Machine	Radius (ft) 26.0	Angle (deg.) 81.7	O Degree Machine List 62,200 *	1 Degree Machine	2 Degree Machine	2 Degree Machine
26.0 28.0	81.3 80.4	List 85,100 * 83,900 *	Machine	Machine	Machine	Radius (ft) 24.0 26.0	Angle (deg.) 81.9 81.1	Machine List 72,900 * 71,800 *	Machine	2 Degree Machine	2 Degree Machine	Radius (ft) 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
26.0 28.0 30.0	81.3	List 85,100 * 83,900 * 78,200 *	Machine	Machine	Machine	Radius (ft) 24.0	Angle (deg.) 81.9	Machine List 72,900 * 71,800 * 70,800 *	Machine	2 Degree Machine	2 Degree Machine	Radius (ft) 26.0	Angle (deg.) 81.7	O Degree Machine List 62,200 *	1 Degree Machine	2 Degree Machine	2 Degree Machine
28.0	81.3 80.4 79.5	List 85,100 * 83,900 *	Machine	Machine	Machine	24.0 26.0 28.0	Angle (deg.) 81.9 81.1 80.3	Machine List 72,900 * 71,800 *	Machine	2 Degree Machine	2 Degree Machine	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
28.0 30.0 32.0 34.0	81.3 80.4 79.5 78.6 77.7 76.9	List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900	Machine	Machine	Machine	24.0 26.0 28.0 30.0 32.0 34.0	81.9 81.1 80.3 79.4 78.6 77.8	72,900 * 71,800 * 70,800 * 69,000 * 64,700 * 60,500	Machine	2 Degree Machine	2 Degree Machine	26.0 28.0 30.0 32.0 34.0 36.0	81.7 80.9 80.1 79.4 78.6 77.8	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 *	1 Degree Machine	2 Degree Machine	2 Degree Machine
28.0 30.0 32.0 34.0 36.0	81.3 80.4 79.5 78.6 77.7 76.9 75.9	List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600	Machine List	Machine	Machine	Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0	81.9 81.1 80.3 79.4 78.6 77.8 76.9	72,900 * 71,800 * 70,800 * 69,000 * 64,700 * 60,500 56,200	Machine	2 Degree Machine	2 Degree Machine	Radius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0	81.7 80.9 80.1 79.4 78.6 77.8	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
28.0 30.0 32.0 34.0	81.3 80.4 79.5 78.6 77.7 76.9	List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300	Machine List 46,400 *	Machine	Machine	24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	81.9 81.1 80.3 79.4 78.6 77.8	72,900 * 71,800 * 70,800 * 69,000 * 64,700 * 60,500	Machine	2 Degree Machine	2 Degree Machine	26.0 28.0 30.0 32.0 34.0 36.0	81.7 80.9 80.1 79.4 78.6 77.8	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 51,000 * 48,000	1 Degree Machine	2 Degree Machine	2 Degree Machine
28.0 30.0 32.0 34.0 36.0 38.0	81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2	Eist 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600	Machine List	Machine	Machine	Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4	72,900 * 71,800 * 70,800 * 69,000 * 64,700 * 60,500 56,200 52,000 48,200 45,400	41,500 * 40,600 *	2 Degree Machine	2 Degree Machine	Radius (ft)  26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 45,200 42,400	1 Degree Machine List 37,100 * 36,600 *	2 Degree Machine	2 Degree Machine
28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0	81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2	List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 52,300 48,400 45,600 42,800	46,400 * 44,500 41,700 39,400	Machine List	Machine	Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0	81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4 73.5	Machine List 72,900 * 71,800 * 70,800 * 69,000 * 64,700 * 60,500 52,000 48,200 45,400 42,600	41,500 * 40,600 * 38,900	2 Degree Machine	2 Degree Machine	Radius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0	81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7 73.9	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 45,200 42,400 39,600	1 Degree Machine List  37,100 * 36,600 * 35,800 *	2 Degree Machine	2 Degree Machine
28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0	81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3	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	46,400 * 44,500 41,700 39,400 37,200	### Acchine List  29,700 * 29,400 *	Machine	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	81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4 73.5 72.7	Machine List 72,900 * 71,800 * 70,800 * 69,000 * 60,500 56,200 52,000 48,200 45,400 42,600 39,800	41,500 * 40,600 * 38,900 36,800	2 Degree Machine	2 Degree Machine	Radius (ft)  26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 46.0 48.0	81.7 80.9 80.1 79.4 78.6 77.0 76.3 75.5 74.7 73.9 73.1	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 51,000 * 48,000 45,200 42,400 39,600 37,500	37,100 * 36,600 * 35,800 * 34,500	2 Degree Machine List	2 Degree Machine
28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0	81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2	List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 52,300 48,400 45,600 42,800	46,400 * 44,500 41,700 39,400	Machine List	Machine	Radius (ft)  24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0	81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4 73.5	Machine List 72,900 * 71,800 * 70,800 * 69,000 * 64,700 * 60,500 52,000 48,200 45,400 42,600	41,500 * 40,600 * 38,900 34,900	2 Degree Machine	2 Degree Machine	Radius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0	81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7 73.9	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 45,200 42,400 39,600	1 Degree Machine List  37,100 * 36,600 * 35,800 *	2 Degree Machine	2 Degree Machine
28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0	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	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	46,400 * 44,500 41,700 39,400 37,200 35,300	29,700 * 29,400 * 29,100 *	Machine	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	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	Machine List 72,900 * 71,800 * 70,800 * 69,000 * 60,500 56,200 52,000 48,200 45,400 42,600 39,800 37,800	41,500 * 40,600 * 38,900 36,800	2 Degree Machine	2 Degree Machine	Radius (ft)  26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 44.0 46.0 48.0 50.0	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 * 45,200 42,400 39,600 37,500 35,500	37,100 * 36,600 * 35,800 * 34,500 32,800	2 Degree Machine List	2 Degree Machine
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	81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6	Eist 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	46,400 * 44,500 41,700 39,400 37,200 35,300 29,700 26,600	29,700 * 29,400 * 29,100 * 28,700 * 27,900 * 25,500	21,700 * 21,200 *	Redius (ft)  24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 46.0 48.0 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	Machine List 72,900 * 71,800 * 70,800 * 69,000 * 60,500 556,200 552,000 48,200 45,400 42,600 39,800 37,800 35,800 31,400 27,800	41,500 * 40,600 * 38,900 34,900 33,200 29,400 26,200	2 Degree Machine List  25,100 * 24,500 *	2 Degree Machine List  19,200 * 18,700 *	Radius (ft)  26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 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 * 60,400 * 59,400 * 57,200 * 54,100 * 48,000 42,400 39,600 37,500 31,200 27,600 24,800	37,100 * 36,600 * 35,800 * 34,500 32,800 29,000 25,800 23,300	2 Degree Machine List  23,300 * 22,700 * 22,000 * 21,600 *	2 Degree Machine List  16,800 * 16,500 *
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	81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 62.2	Eist 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 55,6600 52,300 48,400 45,600 42,800 40,000 38,000 31,600 28,100 25,200	46,400 * 44,500 41,700 39,400 37,200 35,300 33,600 29,700 26,600 24,100	29,700 * 29,400 * 29,100 * 27,900 * 25,500 23,100	21,700 * 21,200 * 20,700 *	Redius (ft)  24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0	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 66.6 66.6 64.3	Machine List 72,900 * 71,800 * 70,800 * 69,000 * 60,500 56,200 52,000 48,200 42,600 39,800 37,800 31,400 27,800 25,000	41,500 * 40,600 * 38,900 34,900 33,200 29,400 26,200 23,500	25,100 * 24,500 * 22,400 *	2 Degree Machine List  19,200 * 18,700 * 18,300 *	Redius (ft)  26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 50.0 65.0 70.0	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 64.0	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 48,000 37,500 31,200 27,600 24,800 22,400	37,100 * 36,600 * 35,800 * 34,500 29,000 25,800 23,300 21,100	2 Degree Machine List  23,300 * 22,700 * 22,000 * 21,600 * 20,100 *	2 Degree Machine List  16,800 * 16,500 * 16,100 *
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	81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6	List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 55,600 52,300 48,400 42,800 40,000 36,000 31,600 28,100 25,200 22,900	46,400 * 44,500 41,700 39,400 37,200 35,300 33,600 29,700 26,600 24,100 21,900	29,700 * 29,400 * 29,100 * 28,700 * 27,900 * 25,500 23,100 21,100	21,700 * 21,200 * 20,700 * 20,000 *	Redius (ft)  24.0 26.0 28.0 30.0 34.0 34.0 34.0 38.0 40.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0	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	Machine List 72,900 * 71,800 * 70,800 * 69,000 * 60,500 56,200 52,000 48,200 45,400 42,600 39,800 37,800 31,400 27,800 25,000 22,600	41,500 * 40,600 * 38,900 34,900 33,200 29,400 26,200 23,500 21,300	25,100 * 24,500 * 22,400 * 20,500	2 Degree Machine List  19,200 * 18,700 * 18,300 * 17,900 *	Redius (ft)  26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 50.0 65.0 70.0 75.0	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 * 60,400 * 59,400 * 57,200 * 54,100 * 48,000 37,500 31,200 27,600 24,800 22,400 20,300	37,100 * 36,600 * 35,800 * 34,500 29,000 25,800 23,300 21,100 19,200	23,300 * 22,700 * 22,000 * 21,600 * 20,100 * 18,300	2 Degree Machine List  16,800 * 16,500 * 16,100 * 15,700 *
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	81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 62.2	Eist 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 55,6600 52,300 48,400 45,600 42,800 40,000 38,000 31,600 28,100 25,200	46,400 * 44,500 41,700 39,400 37,200 35,300 33,600 29,700 26,600 24,100	29,700 * 29,400 * 29,100 * 27,900 * 25,500 23,100	21,700 * 21,200 * 20,700 *	Redius (ft)  24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0	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 66.6 64.3 62.0	Machine List 72,900 * 71,800 * 70,800 * 69,000 * 60,500 56,200 52,000 48,200 42,600 39,800 37,800 31,400 27,800 25,000	41,500 * 40,600 * 38,900 34,900 33,200 29,400 26,200 23,500	25,100 * 24,500 * 22,400 *	2 Degree Machine List  19,200 * 18,700 * 18,300 *	Redius (ft)  26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 50.0 65.0 70.0	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 64.0 61.9	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 48,000 37,500 31,200 27,600 24,800 22,400	37,100 * 36,600 * 35,800 * 34,500 29,000 25,800 23,300 21,100	2 Degree Machine List  23,300 * 22,700 * 22,000 * 21,600 * 20,100 *	2 Degree Machine List  16,800 * 16,500 * 16,100 *
28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0 54.3 51.6	Eist 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 55,600 52,300 48,400 42,800 31,600 28,100 25,200 22,900 20,900 19,000 17,500	46,400 * 44,500 41,700 39,400 37,200 35,300 29,700 26,600 24,100 21,900 20,000 18,300 16,900	29,700 * 29,400 * 29,100 * 29,100 * 28,700 * 21,100 19,300 17,700 16,400	21,700 * 21,200 * 20,700 * 20,000 * 18,700 16,000	Redius (ft)  24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 71.8 71.0 68.8 66.6 64.3 62.0 59.7 57.3 54.8	Machine List 72,900 * 71,800 * 70,800 * 69,000 * 60,500 52,000 48,200 45,400 39,800 37,800 35,800 31,400 27,800 22,600 20,500 18,700 17,200	41,500 * 40,600 * 38,900 34,900 29,400 26,200 21,300 19,500 17,800 16,400	25,100 * 24,500 * 22,400 * 20,500 18,700 17,200 15,800	2 Degree Machine List  19,200 * 18,700 * 18,300 * 17,900 * 16,600 15,400	Redius (ft)  26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 45.0 65.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 76.3 76.3 76.3 76.3 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 * 59,400 * 57,200 * 54,100 * 48,000 42,400 37,500 31,200 27,600 24,800 22,400 20,300 18,500 17,000 15,700	37,100 * 36,600 * 34,500 * 32,800 * 29,000 25,800 21,100 19,200 17,600 16,200 14,900	23,300 * 22,700 * 21,600 * 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 * 14,000
28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 46.0 55.0 60.0 65.0 70.0 75.0 85.0 90.0	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 66.2 59.6 57.0 54.3 51.6 48.7	Eist 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 40,000 31,600 28,100 25,200 22,900 20,900 19,000 17,500 16,100	46,400 * 44,500 41,700 39,400 37,200 35,300 29,700 26,600 24,100 21,900 20,000 18,300 16,900 15,700	29,700 * 29,400 * 29,100 * 28,700 * 25,500 23,100 19,300 17,700 16,400 15,300	21,700 * 21,200 * 20,000 * 18,700 17,200 16,000 14,900	Redius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 44.0 45.0 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 71.8 71.0 68.8 66.6 64.3 62.0 59.7 57.3 54.8 52.2	Machine List 72,900 * 71,800 * 69,000 * 64,700 * 60,500 52,000 48,200 45,400 42,600 37,800 35,800 31,400 27,800 20,500 18,700 17,200 15,900	41,500 * 40,600 * 38,900 36,800 34,900 29,400 21,300 19,500 17,800 16,400 15,200	25,100 * 24,500 * 22,400 * 20,500 18,700 17,200 15,800 14,700	19,200 * 18,700 * 17,900 * 16,600 15,400 14,300 * 17,900 * 17,400 * 18,900 * 17,400 * 18,900	Redity (ft)  26.0 28.0 30.0 34.0 36.0 38.0 40.0 44.0 44.0 50.0 55.0 60.0 65.0 70.0 80.0 85.0 90.0 95.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 76.3 76.3 76.3 76.3 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 * 59,400 * 57,200 * 54,100 * 48,000 42,400 39,600 37,500 31,200 27,600 24,800 22,400 20,300 18,500 17,000 15,700 14,400	37,100 * 36,600 * 34,500 32,800 29,000 25,800 21,100 19,200 17,600 16,200 14,900 13,800	23,300 * 22,700 * 22,000 * 21,600 * 20,100 * 18,300 17,000 15,500 14,400 13,300	16,800 * 16,500 * 15,700 * 15,400 * 14,900 * 14,000 13,000
28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 65.0 65.0 75.0 65.0 75.0 85.0 90.0 95.0	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 65.2 57.0 54.3 51.6 48.7 45.6	Eist 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 52,300 48,400 45,600 42,800 40,000 38,000 31,600 22,100 22,900 20,900 19,000 17,500 16,100 15,000	### Achine 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	29,700 * 29,400 * 29,100 * 28,700 * 25,500 23,100 19,300 17,700 16,400 15,300 14,200	21,700 * 21,200 * 21,200 * 20,000 * 18,700 17,200 16,000 14,900 13,900	Redius (ft)  24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 65.0 65.0 60.0 75.0 80.0 85.0 90.0 95.0	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 66.6 64.3 62.0 59.7 55.3 54.8 52.2 49.5	Machine List 72,900 * 71,800 * 69,000 * 66,700 * 60,500 * 52,000 48,200 45,400 42,600 39,800 37,800 35,800 27,800 20,500 18,700 17,200 15,900 14,600	41,500 * 40,600 * 38,900 36,800 34,900 26,200 21,300 19,500 17,800 16,400 15,200 14,100	25,100 * 24,500 * 22,400 * 20,500 18,700 17,200 15,800 14,700 13,700	19,200 * 18,700 * 17,900 * 16,600 15,400 14,300 13,300	Redity (ft)  26.0 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 88.0 99.0 95.0 100.0	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 57.4 55.2 52.8 50.3	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 48,000 42,400 39,600 31,200 27,600 24,800 22,400 20,300 18,500 17,000 15,700 14,400 13,400	37,100 * 36,600 * 36,600 * 35,800 * 34,500 32,800 29,000 25,800 21,100 19,200 17,600 16,200 14,900 13,800 12,800	23,300 * 22,700 * 22,000 * 20,100 * 18,300 15,500 14,400 13,300 12,500	16,800 * 16,500 * 16,100 * 15,700 * 14,900 * 14,000 12,100
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 75.0 85.0 90.0	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 66.2 59.6 57.0 54.3 51.6 48.7	Eist 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 40,000 31,600 28,100 25,200 22,900 20,900 19,000 17,500 16,100	46,400 * 44,500 41,700 39,400 37,200 35,300 29,700 26,600 24,100 21,900 20,000 18,300 16,900 15,700	29,700 * 29,400 * 29,100 * 28,700 * 25,500 23,100 19,300 17,700 16,400 15,300	21,700 * 21,200 * 20,000 * 18,700 17,200 16,000 14,900	Redius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 44.0 45.0 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 71.8 71.0 68.8 66.6 64.3 62.0 59.7 57.3 54.8 52.2	Machine List 72,900 * 71,800 * 69,000 * 64,700 * 60,500 52,000 48,200 45,400 42,600 37,800 35,800 31,400 27,800 20,500 18,700 17,200 15,900	41,500 * 40,600 * 38,900 36,800 34,900 29,400 21,300 19,500 17,800 16,400 15,200	25,100 * 24,500 * 22,400 * 20,500 18,700 17,200 15,800 14,700	19,200 * 18,700 * 17,900 * 16,600 15,400 14,300 * 17,900 * 17,400 * 18,900 * 17,400 * 18,900	Redity (ft)  26.0 28.0 30.0 34.0 36.0 38.0 40.0 44.0 44.0 50.0 55.0 60.0 65.0 70.0 80.0 85.0 90.0 95.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 76.3 76.3 76.3 76.3 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 * 59,400 * 57,200 * 54,100 * 48,000 42,400 39,600 37,500 31,200 27,600 24,800 22,400 20,300 18,500 17,000 15,700 14,400	37,100 * 36,600 * 34,500 32,800 29,000 25,800 21,100 19,200 17,600 16,200 14,900 13,800	23,300 * 22,700 * 22,000 * 21,600 * 20,100 * 18,300 17,000 15,500 14,400 13,300	16,800 * 16,500 * 15,700 * 15,400 * 14,900 * 14,000 13,000
28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0 85.0 90.0 95.0 100.0 110.0	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 45.6 42.4 35.4 26.6	List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 42,800 40,000 38,000 31,600 22,900 22,900 19,000 17,500 16,100 15,000 14,000 12,100 10,800	46,400 * 44,500 41,700 39,400 37,200 35,300 29,700 26,600 24,100 21,900 15,700 14,600 13,600 11,900 10,600	29,700 * 29,400 * 29,100 * 27,900 * 25,500 21,100 19,300 11,700 16,400 15,300 14,200 13,300	21,700 * 21,200 * 20,000 * 18,700 16,000 14,900 13,900 13,000	Reditis (ft)  24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 50.0 55.0 60.0 65.0 70.0 85.0 99.0 995.0 110.0 120.0	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 66.6 64.3 62.0 65.9 75.3 54.8 40.8 34.0	Machine List 72,900 * 71,800 * 70,800 * 69,000 * 60,500 52,000 48,200 45,400 42,600 39,800 37,800 25,000 22,600 20,500 18,700 15,900 14,600 13,600 11,900 10,300	### Adding List ### 40,600 * 41,500 * 40,600 * 38,900 36,800 34,900 29,400 26,200 21,300 19,500 16,400 15,200 14,100 13,100 11,400 10,100	25,100 * 24,500 * 22,400 * 20,500 18,700 17,200 15,800 14,700 13,700 12,800 11,200 9,900	19,200 * 18,700 * 18,300 * 17,400 * 16,600 13,300 12,500 11,000 9,800	Redity (ft)  26.0 28.0 30.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 55.0 60.0 65.0 75.0 80.0 95.0 100.0 110.0 130.0	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 66.0 61.9 65.6 55.2 52.8 50.3 45.1 39.3 32.8	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 51,000 * 45,200 42,400 39,600 37,500 31,200 27,600 24,400 20,300 18,500 17,000 11,700 11,700 11,700 10,300 8,900	37,100 * 36,600 * 36,600 * 35,800 * 34,500 29,000 25,800 21,100 19,200 17,600 16,200 14,900 13,800 12,800 11,200 9,900 8,800	23,300 * 22,700 * 21,600 * 20,100 * 18,300 17,000 14,400 13,300 12,500 10,900 9,600 8,600	2 Degree Machine List  16,800 * 16,500 * 16,100 * 15,700 * 14,900 * 14,000 12,100 10,700 9,400 8,400
28.0 30.0 32.0 34.0 36.0 40.0 44.0 44.0 46.0 48.0 50.0 65.0 60.0 65.0 70.0 75.0 80.0 90.0 95.0	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 59.6 57.0 54.3 51.6 48.7 45.6 42.4 35.4	## 85,100 * ## 83,900 * ## 78,200 * ## 71,900 ## 65,900 ## 60,900	### Achine List  46,400 * 44,500 41,700 39,400 37,200 35,300 33,600 29,700 26,600 21,900 21,900 21,900 18,300 16,900 15,700 14,600 13,600 11,900	29,700 * 29,400 * 29,100 * 28,700 * 25,500 21,100 19,300 11,700 16,400 13,300 11,700	21,700 * 21,200 * 20,000 * 18,700 16,000 14,900 13,000 11,600	Reditis (ft)  24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 50.0 55.0 60.0 65.0 70.0 85.0 99.0 995.0 110.0	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 66.6 64.3 62.0 65.9 75.7 54.8 52.2 49.5 46.8 40.8	Machine List 72,900 * 71,800 * 70,800 * 69,000 * 60,500	### Aug.   ### Aug.	25,100 * 24,500 * 22,400 * 20,500 18,700 15,800 14,700 13,700 12,800 11,200	19,200 * 18,700 * 18,300 * 17,400 * 16,600 13,300 12,500 11,000	Redity (ft)  26.0 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 80.0 99.0 99.0 110.0 1120.0	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 66.0 61.9 65.6 55.2 52.8 50.3 45.1 39.3	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 51,000 * 42,400 39,600 37,500 31,200 27,600 22,400 20,300 18,500 15,700 14,400 13,400 11,700 10,300	37,100 * 36,600 * 36,600 * 35,800 * 34,500 32,800 29,000 25,800 21,100 19,200 17,600 16,200 14,900 13,800 12,800 11,200 9,900	22,3300 * 22,700 * 22,000 * 22,000 * 17,000 11,500 14,400 13,300 12,500 10,900 9,600	2 Degree Machine List  16,800 * 16,100 * 15,700 * 15,700 * 14,900 * 14,000 12,100 10,700 9,400

# Barge

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

	160	)' Booi	m				170	)' Boo	m				180	)' Boo	m		
	100			d Local (III	201		-170			d Local (III	201		100			d Local (III	201
Lood	Doom			d Load (III		Lood	Daam		60° Rated	· · · ·		Lood	Doom		60° Rated		
Load Radius	Angle	0 Degree Machine	1 Degree Machine	2 Degree Machine	2 Degree Machine	Load Radius	Angle (dog.)	0 Degree Machine	1 Degree Machine	2 Degree Machine	2 Degree Machine	Load Radius		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	78.6	48,500 * 47,800 *				38.0	78.6	41,900 * 41,200 *				38.0	79.2	37,000 * 36,400 *			
38.0 40.0	77.9 77.2	46,600 *				40.0 42.0	77.9 77.2	40,600 *				40.0 42.0	78.6 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	42,100 *	32,200 *			46.0	75.8	39,300 *				46.0	76.6	34,500 *			
46.0	74.9	39,800	31,700 *			48.0	75.1	37,400 *	28,400 *			48.0	75.9	33,900 *			
48.0 50.0	74.1 73.4	37,800 35,800	31,300 * 31,000 *			50.0 55.0	74.4 72.6	35,400 * 31,200	28,100 * 27,100 *	17,700 *		50.0 55.0	75.3 73.7	33,300 * 30,800 *	24 200 *		
55.0	71.5	31,400	28,900 *	20,000 *		60.0	70.9	27,600	25,400*	17,700 *		60.0	72.0	27,400	24,200 * 22,900 *	15,300 *	
60.0	69.6	27,800	26,000	19,300 *		65.0	69.1	24,600	23,000	16,900 *		65.0	70.3	24,400	21,800 *	15,100 *	
65.0	67.7	25,000	23,400	18,900 *	14,400 *	70.0	67.3	22,300	20,900	16,400 *	12,400 *	70.0	68.6	21,900	20,400*	14,600 *	10,800 *
70.0	65.8	22,600	21,200	18,500 *	14,000 *	75.0	65.4	20,300	19,000	16,000 *	12,200 *	75.0	66.9	19,900	18,700	14,200 *	10,600 *
75.0 80.0	63.8 61.8	20,500 18,700	19,300 17,700	18,000 * 16,900	13,700 * 13,400 *	80.0 85.0	63.5	18,500 16,800	17,400 16,000	15,600 * 15,300 *	11,800 * 11,500 *	80.0 85.0	65.2 63.4	18,100 16,600	17,100 15,700	13,800 * 13,500 *	10,400 * 10,000 *
85.0	59.7	17,000	16,300	15,600	13,100 *	90.0	59.7	15,400	14,700	14,000	11,300 *	90.0	61.6	15,200	14,400	12,900 *	9,700*
90.0	57.6	15,700	15,000	14,300	12,800 *	95.0	57.8	14,300	13,600	13,200	11,100 *	95.0	59.8	14,000	13,200	12,200*	9,500 *
95.0	55.4	14,500	13,900	13,500	12,400 *	100.0	55.8	13,300	12,600	12,100	10,800 *	100.0	57.9	12,900	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 *
110.0 120.0	48.6 43.6	11,700 10,100	11,100 9,800	10,900 9,600	10,600 9,300	120.0 130.0	47.0 42.2	9,800 8,700	9,600 8,400	9,300 8,200	9,000 8,000	120.0	49.9 45.6	9,600 8,500	9,100 8,000	8,800 7,700	7,700 * 6,900 *
130.0	38.1	8,900	8,600	8,500	8,300	140.0	36.8	7,700	7,300	7,100	7,000	140.0	40.9	7,400	7,000	6,900	6,000 *
140.0	31.6	7,900	7,800	7,600	7,500	150.0	30.5	6,800	6,500	6,400	6,200 *	150.0	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 *
L		•	_		_	D		•	•			165.0	26.5	5,100	5,100	4,400 *	3,600 *
Nee	ves	2 )' Boo!	2 m	2	2	Ree	eves 200	2 0' Boo	2 m	2	2	Ree	eves	2	2	2	2
	130			d Load (II)	201		200		60° Rated	d Lood (Ik	acl						
Load	Boom	0 Degree	1 Degree	2 Degree	2 Degree	Load	Boom	0 Degree	1 Degree	2 Degree			1			I	I
Radius (ft)	Angle (deg.)	Machine List	Machine List	Machine List	Machine List	Radius (ft)	Angle (deg.)	Machine List	Machine List	Machine List	2 Degree Machine List						
32.0	81.6	34,400 *	Da	Da	Dot	34.0	81.5	30,300 *	Lix	Do.	<u> </u>						
34.0	81.0	33,800 *				36.0	80.9	29,700 *									
36.0	80.4	33,300 *				38.0	80.3	29,200 *									
38.0	79.8	32,700 *				40.0	79.7	28,700 *									
40.0 42.0	79.2 78.6	32,200 * 31,700 *				42.0 44.0	79.1 78.6	28,200 * 27,700 *									
44.0	78.0	31,100 *				46.0	78.0	27,700 *									
46.0	77.4	30,600 *				48.0	77.4	26,800 *									
48.0	76.7	30,100 *				50.0	76.8	26,300 *									
50.0	76.1	29,600 *	21 700 *			55.0	75.3	24,900 *	10 200 *								
55.0 60.0	74.5 73.0	28,100 * 26,200 *	21,700 * 20,600 *			60.0 65.0	73.8 72.4	23,200 * 21,500 *	18,200 * 17,100 *	11,700*							
65.0	71.4	24,000 *	19,500 *	13,300 *		70.0	70.9	20,000 *	16,100 *	11,300 *							
70.0	69.8	21,800	18,400 *	13,100 *		75.0	69.3	18,500 *	15,100 *	11,000*							
75.0	68.2	19,900	17,300 *	12,700 *	9,200 *	80.0	67.8	17,100 *	14,100 *	10,600 *	7,700 *						
80.0 85.0	66.5 64.9	18,000 16,400	16,200 * 15,300 *	12,400 * 11,900 *	9,000 * 8,800 *	85.0 90.0	66.2 64.6	15,900 * 14,700	13,300 * 12,400 *	10,100 * 9,500 *	7,500 * 7,200 *						
90.0	63.2	15,000	14,100	11,300 *	8,600 *	95.0	63.0	13,500	11,700 *	9,500 *	7,200 *						
95.0	61.5	13,900	13,000	10,600 *	8,400 *	100.0	61.4	12,400	11,000 *	8,400 *	6,800 *						
100.0	59.7	12,900	12,000	10,000 *	8,200 *	110.0	58.1	10,600	9,500 *	7,400 *	6,000 *						
110.0	56.2	11,000	10,400	8,900 *	7,400 *	120.0		9,200	8,200 *	6,500 *	5,200 *						
120.0 130.0	52.5 48.5	9,400 8,200	9,100 7,800	7,900 * 6,800 *	6,500 * 5,700 *	130.0 140.0	51.1 47.2	7,800 6,500	7,100 * 5,900 *	5,600 * 4,600 *	4,500 * 3,700 *						
	70.0			1 .	4,900 *	150.0	43.1	5,200 *	4,900 *	3,700*	3,100 *						
140.0	44.3	7,200	6,800	5,900 *	4,900	130.0			7,200	3,700			l				
	44.3 39.7	7,200 6,300	6,800 5,900	5,900 *	4,900 *	155.0	41.0	4,650 *	4,400 *	3,500 *	3,100						
140.0 150.0 160.0	39.7 34.8	6,300 5,300	5,900 5,100 *	5,100 * 4,000 *		1		l '	l '		3,100						
140.0 150.0	39.7	6,300	5,900	5,100 *	4,100 *	1		l '	l '		3,100						
140.0 150.0 160.0 165.0	39.7 34.8	6,300 5,300	5,900 5,100 *	5,100 * 4,000 *	4,100 *	155.0		l '	l '		2						

# CK1100G SPECIFICATIONS

NOTES



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

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

## **Hydraulic Crawler Crane**

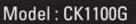
CE

1100G

Max. Lifting Capacity: 220,000 lbs x 11.0 ft

Max. Crane Boom Length: 200 ft

Max. Fixed Jib Combination: 190 ft + 60 ft









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- 21 PARTS AND ATTACHMENTS

#### **SPECIFICATIONS**



#### **Power Plant**

Model: HINO J08E-UV

Type: 4 cycle, water-cooled, vertical in-line 6, direct injection,

turbo-charger, intercooler

Complies with US EPA Tier Interim Tier IV and NRMM

(Europe) Stage IIIB

Displacement: 469 cu in (7.684 liters)

**Rated Power:** 285 HP/2,100 rpm (213 kW/2,100 min<sup>-1</sup>) **Max. torque:** 750 lbf·ft / 1,600 rpm (1,017 N·m/1,600 min<sup>-1</sup>)

Cooling system: Water-cooled

Starter: 24V-5kW

Radiator: Corrugated type core, thermostatically controlled Air cleaner: Dry type with replaceable paper element Throttle: Twist grip type hand throttle, electrically actuated

Fuel filter: Replaceable paper element

Batteries: Two 12V x 136 Ah/5HR capacity batteries, series con-

nected

Fuel tank capacity: 106 US gal. (400 liters)



#### **Hydraulic System**

Main pumps: 3 variable displacement piston pumps

**Control:** Full-flow hydraulic control system for infinitely variable pressure to all winches, propel and swing. Controls respond instantly to the touch, delivering smooth function operation.

Cooling: Oil-to-air heat exchanger (plate-fin type)

**Filtration:** Full-flow and bypass type with replaceable element **Electrical system:** All wiring corded for easy servicing, individual fused branch circuits.

Max. relief valve pressure:

Load hoist, boom hoist and propel system:

4,626 psi (31.9 MPa)

Swing system: 3,989 psi (27.5 MPa) Control system: 783 psi (5.4 MPa)

Hydraulic tank capacity: 116.2 US gal. (440 liters)



#### **Boom Hoisting System**

Powered by a hydraulic motor through a planetary reducer. **Brake:** A spring-set, hydraulically released multiple-disc brake is mounted on the boom hoist motor and operated through a counter-balance valve.

**Drum lock:** External ratchet for locking drum

Drum: Single drum, grooved for 5/8 inch (16 mm) dia. wire rope

Line speed: Single line on first drum layer

Hoisting/Lowering: 230 to 6.6 ft/min (70 to 2 m/min)

Diameter of wire rope

**Main winch:** 1-1/32 in. x 771 ft. (26 mm x 240 m) **Aux. winch:** 1-1/32 in. x 525 ft. (26 mm x 165 m) **Third winch:** 7/8 in. x 476 ft. (22 mm x 145 m)

Boom hoisting/lowering: 5/8 in. x 492 ft (16 mm x 150 m)

Boom guy line: 1-3/16 in. (30 mm)

Boom backstops: Required for all boom length



#### **Load Hoist System**

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

Negative brake: A spring-set, hydraulically released multipledisc brake is mounted on the hoist motor and operated through a counter-balance valve. (Positive free fall brake is optional)

Drum lock: External ratchet for locking drum

Drums:

#### Front drums:

2 ft 3/16 inch (614 mm) P.C.D x 2 ft 9/32 inch (617 m) Lg., grooved for 1-1/32 inch (26 mm) wire rope. Rope capacity is 771 ft (240 m) working length and 1,181 ft (360 m) storage length.

#### Rear drums:

2 ft 3/16 inch (614 mm) P.C.D x 2 ft 9/32 inch (617 m) Lg., grooved for 1-1/32 inch (26 mm) wire rope. Rope capacity is 525 ft (160 m) working length and 1,181 ft (360 m) storage length.

**Line speed:** Single line on the first layer **Hoisting/Lowering:** 394 to 10 ft

Line pull:

Max. line pull (Single line): 46,800 lbs (208 kN)

Rated line pull: 25,200 lbs (112 kN)



#### **Swing System**

Swing unit is powered by hydraulic motor driving spur gears through planetary reducers (2 set), the swing system provides 360° rotation.

**Swing parking brakes:** A spring-set, hydraulically released multiple-disc brake is mounted on swing motor.

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

Swing lock: Manually, four position lock for transportation

Swing speed: 4.0 rpm (min<sup>-1</sup>)



#### **Upper Structure**

Torsion-free precision machined upper frame. All components are located clearly and service friendly. Engine will with low noise level.

Counter weight: 69,000 lbs



#### **Cab & Control**

Totally enclosed, full vision cab with safety glass, fully adjustable, high backed seat with a headrest and armrests, and intermittent wiper and window washer (skylight and front window).

#### Cab fittings:

Air conditioner, convenient compartment (for tool), cup holder, ashtray, cigarette lighter, sun visor, roof blind, tinted glass, floor mat, footrest, shoe tray, and foot acceleration pedal.

#### Controls:

Four adjustable levers for front drum, rear drum, boom drum and swing controls.



#### **Lower Structure**

Steel-welded carbody with axles. Crawler assemblies are designed with quick disconnect feature for individual removal as a unit from axles. Crawler belt tension is maintained by hydraulic jack force on the track adjusting bearing block.

Carbodyweight: 31,700 lbs

**Crawler drive:** Independent hydraulic propel drive is built into each crawler side frame. Each drive consists of a hydraulic motor propelling a driving tumbler through a planetary gear box. Hydraulic motor and gear box are built into the crawler side frame within the shoe width.

**Crawler brakes:** Spring-set, hydraulically released parking brakes are built into each propel drive.

**Steering mechanism:** A hydraulic propel system provides both skid steering (driving one track only) and counter-rotating steering (driving each track in opposite directions).

Track rollers: Sealed track rollers for maintenance-free operation.

Shoe (flat): 3 ft wide each crawler

Max. gradeability: 40%



#### Weight

Including upper and lower machine, 69,000 lbs counterweight and 31,700 lbs carbody weight, basic boom (or basic boom + basic jib), hook, and other accessories.

Weight: 198,500 lbs (90.1 t)

Ground pressure: 12.9 psi (101 kPa)



#### **Attachment**

#### **Boom and Jib:**

Welded lattice construction using tubular, high-tensile steel chords with pin connections between sections.

#### Boom and Jib Length

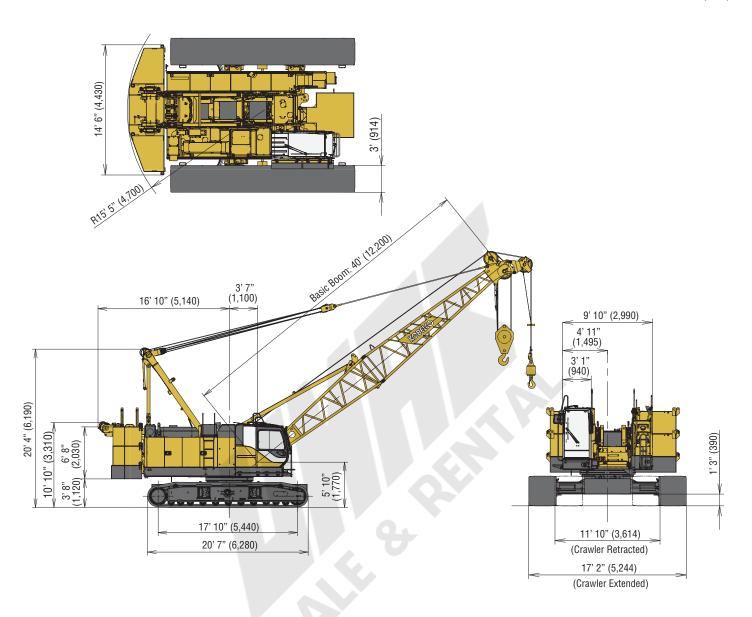
Boom and the Longin						
	Min. Length	Max. Length				
	(Min. Combination)	(Max. Combination)				
Crane Boom	40 ft	200 ft				
Fixed Jib	80 ft + 30 ft	190 ft + 60 ft				

Main Specifications (Model: CK1100G)				
Main Specifications (Model. CK 1700d)				
Crane Boom				
Max. Lifting Capacity	220,000 lbs			
Length	40 ~ 200 ft			
Fixed Jib				
Max. Lifting Capacity	24,000 lbs			
Max. Length	60 ft			
Max. Combination	190 ft + 60 ft			
Power Plant				
Model	HINO J08E-UV			
Engine Output	285 HP/2,100 rpm			
Fuel Tank Capacity	106 US gal. (400 liters)			
Main & Aux. Winch				
Max. Line Speed	390 ft/min (120 m/min): 1st layer			
Rated Line Pull (single Line)	25,200 lbs (112 kN)			
Wire Rope Diameter	1-1/32 in (26 mm)			
Brake Type	Spring set hydraulically released (Negative)			

Working Speed			
Swing Speed	4.0 rpm (min <sup>-1</sup> )		
Travel Speed	1.07/0.71 mph		
Hydraulic System			
Main pumps	3 variable displacement		
Max. Pressure	4,626 psi (31.9 MPa)		
Hydraulic Tank Capacity	116.2 US gal. (440 liters)		
Weight			
Operating Weight	198,500 lbs (90.1 t)		
Ground Pressure	12.9 psi (101 kPa)		
Counterweight	69,000 lbs		
Transport Weight	95,128 lbs		

## **GENERAL DIMENSIONS**

Unit: ft-in (mm)



## **BOOM AND JIB ARRANGEMENTS**

## **Crane Boom Arrangements**

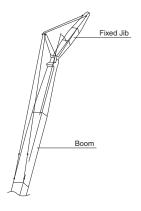
Boom length ft (m)	Boom arrangement
40 (12.2)	
50 (15.2)	<u>□10</u> I →
60 (18.3)	★ ■ 10 10 T → ■ 20 T
70 (21.3)	₩ 10 20 1
80 (24.4)	*
90 (27.4)	★ B 10 20 20 F     ★ 40A F     ★ 10 40A F
100 (30.5)	# B 10 10  20   20   T
110 (33.5)	★ ■ 10   20   40A   T ⇒
120 (36.6)	
130 (39.6)	★ ■ 10 20 20 40A T     ■ 10 40 40A T     ■ 10 40A T     ■
140 (42.7)	★ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □

Boom length ft (m)	Boom arrangement			
150 (45.7)	★ ■ 10   20   40   40A   ↑ → 10   ←			
160 (48.8)	**     <			
170 (51.8)				
180 (54.9)	# B 10 10  20   20   40   40A   T   B  20   40   40   40A   T   B  20   40   40   40A   T   B  20   40   40   40   40   40   T   B  20   40   40   40   40   40   T   B  20   40   40   40   40   40   T   B  20   40   40   40   40   40   40   40			
190 (57.9)				
200 (61.0)	★ ○ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □			

Symbol	Boom Length	Remarks
B	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
40.0 ft (12.2 m)		Insert Boom with lug

- mark shows the guy line installing position when the fixed jib is used.
- indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

## **Fixed Jib Arrangements**

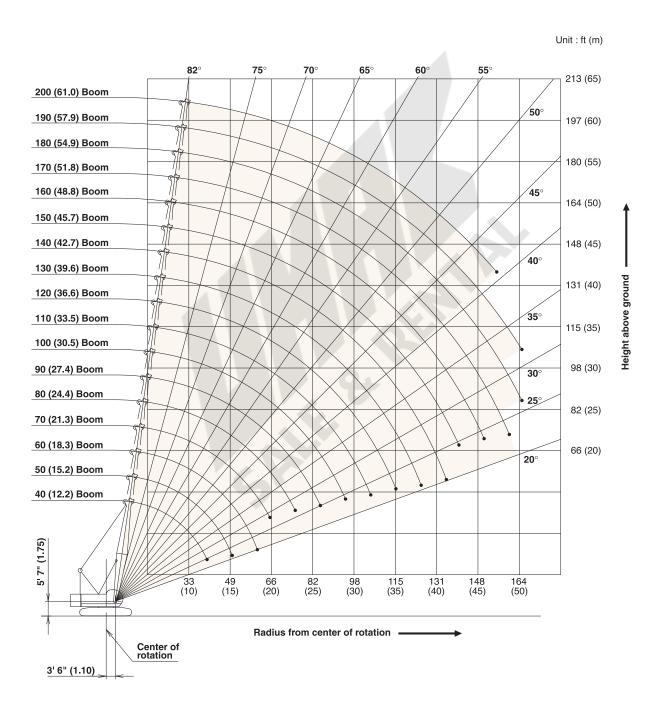


Crane boom length	Jib length ft (m)	Jib arrangement
	30 (9.1)	BIT
80 ft (24.4 m)	40 (12.2)	B 10 T
190 ft (57.9 m)	50 (15.2)	B 20 T
,	60 (18.3)	B 20 10 T

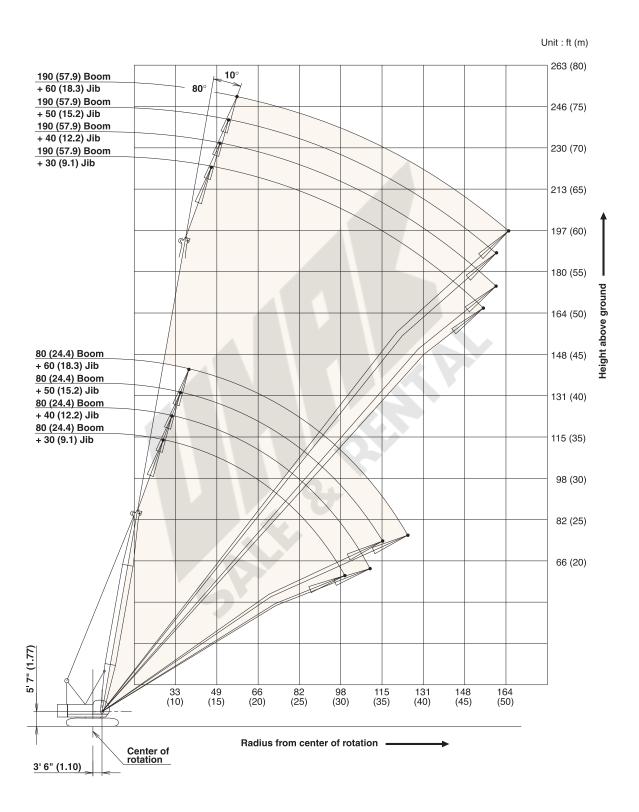
Symbol	Jib Length	Remarks
15 ft (4.6 m)		Jib Base
	15 ft (4.6 m)	Jib Top
10	10 ft (3.0 m)	Insert Jib
20	20 ft (6.1 m)	Insert Jib

## **WORKING RANGES**

#### **Main Boom**

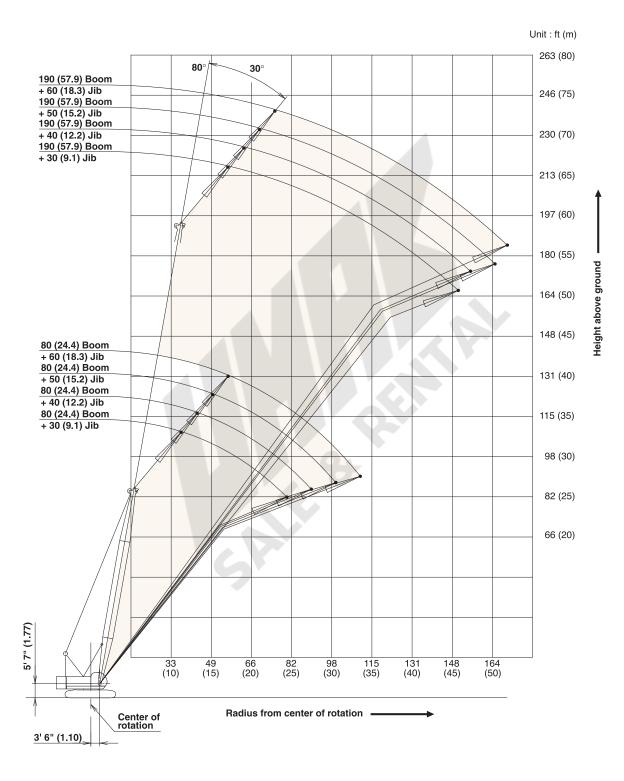


## Fixed Jib 10°



## **WORKING RANGES**

## Fixed Jib 30°



#### SUPPLEMENTAL DATA

- 1. Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or 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.
  - Boom backstops are required for all boom lengths.
  - Gantry must be fully raised position for all operations.
  - Crawlers must be fully extended and be locked in position.
  - The crane must be leveled to within 1% on a firm supporting surface.
- 4. Do not attempt to lift where no ratings are shown as cranemay tip or collapse.
- Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine capacity.
- Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
- When lifting over boom point with jib or auxiliary sheave, rated loads for the boom must be deducted as shown below.

Jib length	Aux.	30'	40'	50'	60'
Deduct (lbs)	420	2,500	3,700	5,100	6,700

- 8. The total load that can be lifted over a 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 over an auxiliary sheave is the value for 420 lbs deducted from rated load for the boom without auxiliary sheave, but it should not exceed 24,000 lbs.

- 11. Boom lengths that can attach auxilialy sheave are from 40 ft (12.2m) to 190 ft (57.9m).
- 12. The boom should be erected over the front of the crawlers, not laterally. When erecting and lowering the boom at length of 190 ft (57.9m) with jib, the blocks for erection must be placed at the end of the crawlers.
- 13. Least stable position is over the side.
- Maximum hoist load for number of reeving parts of line for hoist rope.

#### **Main Boom Hoist Loads**

No. of Parts of Line	1	2	3	4	5
Maximum Loads (lbs)	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		

#### **Jib Hoist Loads**

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

#### **Auxiliary Hoist Loads**

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

 Lifting capacities listed apply only to the machine as originally manufactured for and supplied by KOBELCO CRANES CO.,LTD.

Modifications to this machine or use of equipment other than that specified can reduce operating capacity.

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

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

## LIFTING CAPACITY

## **M** Crane Boom Lifting Capacity

Unit: lbs

Counterweight: 69,000 lbs, Carbody weight: 31,700 lbs

400   Boom   S60   Boom   S6	40	l Dog		ΕO	l Dog		CO	LD		70	l Dog		0.0	l Dog	
Radius   Angle   Rateu   Load   Radius	_														
(b)   (deg.)   (b)s   (b)   (deg.)   (bs)   (b)   (deg.)   (d															
11-10															
12.0   79.0   213,300   30.0   80.0   200,600   14.0   80.7   187,400   16.0   80.4   151,000   17.0   80.9   149,300   14.0   76.0   188,100   15.0   77.7   175,600   16.0   78.8   156,200   17.0   78.6   149,400   19.0   79.5   139,400   18.0   76.1   165,500   17.0   78.6   165,500   17.0   78.6   165,500   17.0   78.6   18.0   77.8   155,500   19.0   77.9   139,800   78.8   116,500   18.0   78.7   146,700   19.0   79.5   139,400   19.0   77.8   155,500   18.0   70.1   147,800   19.0   77.2   147,400   19.0   77.8   155,500   22.0   77.1   132,200   22.0   77.3   115,100   18.0   70.1   147,800   19.0   77.9   140,100   20.0   74.9   132,200   22.0   77.3   101,000   26.0   78.8   17.0   20.0   2						, ,									
13.0   77.5   200,800   14.0   78.9   187,800   15.0   79.8   175,200   17.0   78.6   149,400   18.0   80.2   146,500   15.0   77.4   175,600   16.0   78.8   164,800   18.0   77.9   139,800   20.0   77.9   139,800   79.5   139,400   18.0   74.6   175,900   16.0   76.8   165,500   17.0   77.8   156,500   17.0   77.8   156,500   17.0   77.8   156,500   17.0   77.8   156,500   17.0   77.8   156,500   17.0   77.8   156,500   17.0   77.8   156,500   17.0   77.8   156,500   17.0   77.3   151,100   17.0   77.2   77.3   151,100   17.0   77.2   77.3   151,100   17.0   77.2   77.3   151,100   17.0   77.2   77.2   77.3   151,100   17.0   77.2   77.2   77.3   151,100   17.0   77.2   77.2   77.3   151,100   17.0   77.2   77.2   77.3   151,100   17.0   77.2   77.2   77.2   77.3   7						'			,						
15.0   74.6   175.900   16.0   76.6   165.300   17.0   77.8   155.500   19.0   77.9   139.800   20.0   77.9   131.800     17.0   71.6   165.500   17.0   75.4   156.000   18.0   76.8   146.900   20.0   77.7   132.200     18.0   70.1   147.800   19.0   72.9   147.400   19.0   75.9   139.800   22.0   75.4   115.400   24.0   76.8   149.500     18.0   70.1   147.800   19.0   72.9   149.100   22.0   74.9   132.200   24.0   73.7   101.300   24.0   76.8   149.500     19.0   66.5   140.500   20.0   71.7   132.400   22.0   72.9   115.100   26.0   68.5   140.500   20.0   68.7   115.600   24.0   68.8   101.000   26.0   68.8   89.100   30.0   68.5   73.000   30.0   71.2   72.800     20.0   66.9   312.800   22.0   68.3   115.000   24.0   66.6   70.0   30.0   68.5   73.000   30.0   77.2   72.800     20.0   67.0   89.600   28.0   61.7   89.700   30.0   64.6   72.800   34.0   66.7   66.600     20.0   57.0   89.600   28.0   61.7   89.700   30.0   64.6   72.800   34.0   64.9   62.000   36.0   66.5   73.000     30.0   49.8   73.300   32.0   56.3   67.000   34.0   60.3   61.000   38.0   61.2   53.600   40.0   66.5   54.9300     30.0   49.8   73.300   30.0   50.3   57.800   38.0   55.7   53.100   42.0   57.3   46.900   44.0   60.2   43.800     30.0   30.1   57.5   56.600   38.0   38.0   67.3   44.900   44.0   60.3   57.4   45.900   44.0   44.9		77.5	200,800 *	14.0			15.0			17.0					
16.0   73.1   165,500   17.0   75.4   156,000   18.0   76.8   146,900   20.0   77.1   132,200   22.0   77.3   115,100   18.0   70.1   147,800   19.0   72.9   140,100   20.0   74.9   132,200   24.0   73.7   101,300   26.0   74.3   89,200   22.0   66.9   132,800   22.0   69.3   115,300   24.0   70.9   100,800   28.0   73.2   80,500   22.0   66.9   115,600   24.0   66.8   101,000   26.0   64.3   89,400   22.0   66.8   80,500   30.0   71.2   72,800   24.0   60.4   101,300   26.0   64.3   89,400   28.0   66.7   80,500   32.0   66.7   67,000   34.0   68.2   61,600   25.0   57.0   89,600   22.0   59.3   73.00   32.0   66.7   67,000   34.0   68.2   61,600   25.0   57.0   89,600   22.0   59.3   73,000   32.0   62.5   66,600   36.0   63.0   57,800   38.0   66.7   67,900   25.0   53.4   80,900   30.0   59.1   73,000   30.0   63.5   65,000   38.0   61.2   53,600   25.0   57.0   57.3   57,300   35.0   57,300   36.0   63.0   57,800   38.0   67,300   25.0   45.8   67,200   34.0   53.4   62,000   36.0   63.0   57,300   36.0   63.1   53,100   25.0   35.1   51,000   40.0   40.4   49,000   40.0   53.4   49,000   40.0   53.3   44,100   40.0   60.3   40.0   6			,												
17.0   17.6   156,300   18.0   74.2   147,400   19.0   75.9   139,800   22.0   75.4   115,400   24.0   75.8   101,000   19.0   66.5   140,500   20.0   71.7   132,400   22.0   72.9   115,100   26.0   72.0   89,600   28.0   70.3   80,800   28.0   72.2   80,500   22.0   66.7   115,600   24.0   66.8   101,000   26.0   68.8   89,100   30.0   68.5   73,000   30.0   71.2   72.80   22.0   63.7   115,600   24.0   66.8   101,000   26.0   68.8   89,100   30.0   68.5   73,000   32.0   66.7   66,600   22.0   55.7   89,600   28.0   61.7   80,700   30.0   64.6   72,800   34.0   66.7   66,600   22.0   55.7   89,600   28.0   61.7   80,700   30.0   64.6   72,800   34.0   64.9   62,000   36.0   66.5   57,300   30.0   49.8   73,300   32.0   56.3   67,000   34.0   60.3   61.600   38.0   65.1   53,100   32.0   45.8   67,200   34.0   53.4   66.000   36.0   58.0   57,300   40.0   59.3   49,800   34.0   41.2   61,700   36.0   50.3   57,800   38.0   55.7   53,100   42.0   57.3   46,900   44.0   60.2   43,800   38.0   31.1   51,500   40.0   44.0   49,800   42.0   50.9   46,800   46.0   53.3   41,100   38.0   31.1   51,500   40.0   44.0   49,800   42.0   50.9   46,800   48.0   53.3   41,300   48.0   56.8   37,100   40.0   25.4   45,900   42.0   40.4   41,800   40.4   48.3   43,800   48.0   53.2   43,300   50.0   55.1   37,100   40.0   25.8   43,000   42.0   43,800   43.0   43.0   43.0   43.0   43.0   40.0   25.8   43,000   43.0   43.0   43.0   43.0   43.0   43.0   40.0   25.8   43,000   43.0   43.0   43.0   43.0   43.0   40.0   25.8   43,000   43.0   43.0   43.0   43.0   40.0   25.8   43,000   43.0   43.0   43.0   43.0   40.0   25.8   43,000   43.0   43.0   43.0   43.0   40								1							
18.0   70.1   147,800 * 19.0   72.9   140,100 * 20.0   74.9   132,200   24.0   73.7   101,300   26.0   74.3   89,200   20.0   66.9   132,800   22.0   66.9   115,800   24.0   70.9   100,800   28.0   70.3   80,800   30.0   71.2   72,800   24.0   60.4   101,300   26.0   64.3   89,400   28.0   66.7   80,500   32.0   66.7   66.60   25.0   57.0   89,600   28.0   61.7   80,700   30.0   64.6   72.80   34.0   68.2   61.60   28.0   53.4   80,900   30.0   59.1   73,000   32.0   62.5   66,600   36.0   63.0   63.0   63.0   63.0   63.0   23.0   48.8   67,200   34.0   53.4   62,000   36.0   66.6   67,300   34.0   48.9   62.0   67.0   34.0   41.0   41.0   44.0   48.0   42.0   40.0   53.4   49,300   44.0   67.3   44.0   36.0   36.2   56,600   38.0   47.3   53,600   40.0   53.4   49,300   44.0   67.3   44.0   36.0   36.2   54,500   44.0   36.7   44,300   46.0   45.8   41.10   50.3   44.10   45.0												- ,			-,
200 66.9   132,800   22.0 69.3   115,300   24.0   70.9   100,800   28.0   70.3   80,800   30.0   71.2   72,800   24.0 66.4   101,300   26.0   64.3   89,400   28.0   66.7   80,500   30.0   68.5   73,000   34.0   68.2   61,600   25.0   55.4   80,900   30.0   59.1   73,000   32.0   62.5   66,600   36.0   66.6   57,300   32.0   48.8   67,200   34.0   53.4   62,000   36.0   66.6   67,800   34.0   63.3   31.00   32.0   48.8   67,200   34.0   53.4   62,000   36.0   56.6   61.0   53.4   30,900   34.0   41.2   41,700   36.0   50.5   57,800   38.0   57,800   38.0   61.1   53,800   36.0   36.2   56,600   38.0   47.3   53,600   40.0   53.4   49,900   44.0   60.3   61.0   53.0   36.0   36.2   56,600   38.0   47.3   53,600   40.0   53.4   49,900   44.0   60.3   61.0   38.0   31.1   51,500   40.0   44.0   44.0   44,800   42.0   40.0   44.0   46.0   46.0   46.0   46.0   63.3   41,100   44.0   25.4   45,900   42.0   44.4   47,000   48.0   42.8   39,200   50.0   53.2   43,800   38.0   31.1   51,500   44.0   32.9   41,500   48.0   42.8   39,200   50.0   37,400   50.0   55.1   37,100   38.0   31.1   50,500   40.0   4												· '			
220, 663,7 115,600 24.0 66.8 101,000 26.0 68.8 89,100 30.0 66.5 73000 32.0 69.7 66,600 26.0 57.0 89,600 22.0 61.7 80,700 30.0 64.6 72,800 34.0 64.9 62,000 34.0 66.6 65 73,00 30.0 49.8 73,300 32.0 65.3 67,000 34.0 66.0 66.6 67,300 30.0 49.8 73,300 32.0 65.3 67,000 34.0 60.3 61,600 38.0 67,800 38.0 65.1 53,100 32.0 49.8 73,300 32.0 65.3 67,000 34.0 60.3 61,600 38.0 67,800 38.0 65.1 53,100 32.0 49.8 67,200 34.0 56.3 67,000 34.0 60.3 61,600 38.0 61.2 53,600 40.0 63.5 49,300 34.0 41.2 61,700 36.0 50.3 57,800 38.0 57,300 40.0 59.3 49,800 42.0 51.8 46,600 34.0 41.2 61,700 36.0 50.3 57,800 38.0 55.7 53,010 40.0 59.3 49,800 42.0 51.8 46,600 38.0 31.1 51,500 40.0 44.0 49,800 42.0 50.9 46,600 40.0 53.3 44,100 40.0 58.5 41,100 40.0 52.4 45,900 42.0 40.0 40.0 40.0 59.9 46,600 40.0 59.3 49,800 40.0 40.0 58.5 41,100 40.0 40.0 59.5 44.0 40.0 59.9 46,600 40.0 59.0 40.0 40.0 40.0 55.1 37,100 40.0 40.0 40.0 40.0 40.0 40.0 40.0 4									,			· '			
240   60.4   101,300   26.0   64.3   89,400   28.0   66.7   80,500   32.0   66.7   67,000   34.0   68.2   61,600   28.0   53.4   80,900   30.0   69.1   73,000   32.0   62.5   66,600   36.0   63.0   57,800   36.0   66.6   57,300   32.0   45.8   67,200   34.0   63.4   62,000   36.0   66.6   67,000   34.0   63.5   49,300   32.0   45.8   67,200   34.0   63.4   62,000   36.0   68.0   67,800   36.0   63.0   63.5   49,300   32.0   45.8   67,200   34.0   63.4   62,000   36.0   58.0   57,300   40.0   53.3   49,900   42.0   61.8   46,600   36.0   36.2   56,600   38.0   47.3   53,600   40.0   53.4   49,900   44.0   60.2   43,800   36.0   36.2   56,600   38.0   47.3   53,600   40.0   53.4   49,900   44.0   60.2   43,800   36.0   31.5   51,500   40.0   40.0   44.0   40,800   42.0   50.9   44.6   50.3   44,190   46.0   58.5   41,190   36.0   31.5   51,500   40.0   40.0   40.0   40.0   53.4   44,300   44.0   45,900   44.0   45,900   44.0   32.9   41,500   48.0   42.8   39,200   55.0   43.2   39,400   50.0   55.1   37,100   37.0   22.0   38.0   37.6   38,300   50.0   55.0   31.2   39,400   55.0   43.2   39,400   50.0   55.1   32,700   38.0   31.1   40.0   44.0   32.9   41,500   48.0   42.8   39,200   55.0   43.2   39,400   50.0   55.1   32,700   38.0   31.2   32.5   30.0   50.0   50.0   50.1   53.1   32,700   38.0   31.2   32.5   30.0   50.0   50.0   50.0   50.1   52.1   30,400   38.0   31.3   40.5   40.0   40.0   40.0   40.0   40.0   40.0   40.0   40.0   40.0   38.0   31.3   40.0   40.0   40.0   40.0   40.0   40.0   40.0   40.0   40.0   40.0   38.0   31.3   40.0   40.0   40.0   40.0   40.0   40.0   40.0   40.0   40.0   38.0   31.3   40.0   40.0   40.0   40.0   40.0   40.0   40.0   40.0   38.0   31.3   40.0   40.0   40.0   40.0   40.0   40.0   40.0   40.0   38.0   31.3   40.0   40.0   40.0   40.0   40.0   40.0   40.0   40.0   38.0   31.3   40.0   40.0   40.0   40.0   40.0   40.0   40.0   40.0   38.0   31.3   40.0   40.0   40.0   40.0   40.0   40.0   40.0   38.0   41.0   41.0   41.0   41.0   41.0   41.0   41.0   41.0   41.0															
280.   57.0   89.600   28.0   61.7   80.700   30.0   64.6   72.800   34.0   64.9   57.800   38.0   66.6   57.300     30.0   49.8   73.300   32.0   65.3   67.000   34.0   60.3   61.800   53.0   61.2   53.600   34.0   60.3     32.0   45.8   67.200   34.0   63.4   62.000   36.0   58.0   57.300   40.0   53.3   49.800   42.0   61.8   46.600     34.0   41.2   61.700   36.0   50.3   57.800   38.0   57.300   40.0   53.3   49.800   42.0   61.8   46.600     34.0   41.2   61.700   36.0   50.3   57.800   38.0   57.300   40.0   53.3   44.900   44.0   60.2   43.800     36.0   36.2   56.600   36.0   40.0   44.0   49.800   42.0   50.3   46.600   44.0   55.3   44.100   46.0   56.5   39.100     36.0   36.2   36.500   40.0   44.0   49.800   42.0   50.3   46.600   46.0   53.3   41.300   48.0   56.5   39.100     40.0   25.4   45.900   42.0   41.0   47.000   44.0   48.3   49.800   48.0   51.2   39.400   50.0   55.1   37.100     40.0   25.4   44.0   36.7   44.300   48.0   42.8   39.200   50.0   43.0   37.400   55.0   50.5   52.270     46.0   32.9   41.500   48.0   43.8   37.200   60.0   43.0   37.400   55.0   50.5   32.270     46.0   22.3   35.100   55.0   31.2   32.900   55.0   43.2   33.200   60.0   40.4   40.2     45.0   26.0   26.0   26.0   20.7   28.600   50.0   39.9   60.0   60.0   40.4   60.3     46.0   26.0   26.0   26.0   26.0   26.0   26.0   26.0   26.0   26.0   26.0   26.0   26.0   26.0     46.0   26.0									,			· '			
28.0         53.4         80,900         30.0         59.1         73,000         32.0         56.3         67,000         34.0         60.3         61,600         38.0         61.5         53,600         40.0         63.5         49,300           32.0         45.8         67,200         34.0         53.4         62,000         36.0         58.0         57,300         40.0         59.3         49,800         42.0         61.8         46,800         44.0         60.2         43,800         38.0         35.7         53,100         49.0         44.0         60.2         43,800         38.0         45.7         53,100         40.0         44.0         60.2         43,800         48.0         55.3         44,100         48.0         56.8         39,100         40.0         44.0         47.000         44.0         48.0 <td></td>															
30.0 49.8 73.300 32.0 56.3 67.000 34.0 53.6 67.000 34.0 62.000 36.0 57.300 40.0 57.300 40.0 63.5 49.800 42.0 61.8 46.600 34.0 41.2 61.700 36.0 50.3 57.800 38.0 55.7 53.100 42.0 57.3 46.900 44.0 60.2 43.800 38.0 31.1 51.500 40.0 44.0 49.800 42.0 50.9 46.600 44.0 53.3 41.300 48.0 56.8 39.100 40.0 53.1 45.000 44.0 42.0 44.0 49.800 42.0 50.9 46.600 35.3 41.300 48.0 55.0 50.5 32.700 46.0 32.9 41.500 48.0 48.3 43.800 48.0 51.2 39.400 50.0 55.1 37.100 40.0 40.0 53.3 41.300 48.0 56.8 39.100 40.0 54.0 50.0 40.0 53.3 41.300 48.0 56.8 39.100 40.0 54.0 50.0 40.0 54.0 54.0 54.0 54					_										
34.0	30.0	49.8		32.0			34.0	60.3	61,600	38.0	61.2	53,600	40.0	63.5	
36.0 36.2 56,600 38.0 38.0 47.3 55,600 40.0 49.0 53.4 49,300 44.0 55.3 44,100 46.0 58.5 41,100 48.0 58.6 41,100 49.0 25.4 45,900 42.0 40.4 47,000 44.0 48.8 48,3800 48.0 51.2 39,400 50.0 55.1 37,100 48.0 58.5 41,100 48.0 58.5 41,100 48.0 58.5 41,100 48.0 59.0 49.0 49.0 49.0 49.0 49.0 49.0 49.0 59.0 49.0 59.0 59.0 55.0 43.2 39,400 50.0 55.1 37,100 59.0 49.0 48.0 48.0 48.0 48.0 48.0 51.2 39,400 50.0 55.1 37,100 48.0 48.0 48.0 48.0 48.0 51.2 39,400 50.0 55.1 37,100 48.0 48.0 48.0 48.0 48.0 48.0 48.0 48															
38.0   31.1   51.500   40.0   44.0   44.800   42.0   50.9   46.600   46.0   53.3   41.300   48.0   56.8   39.100			61,700												-,
40.0   25.4   45.900 *   42.0   40.4   47.000   44.0   48.3   43.800   48.0   51.2   39.400   55.0   55.1   37.100     46.0   32.9   41,500   48.0   42.8   39.200   55.0   43.2   33.200   60.0   45.7   29.200     45.0   27.6   38.300   55.0   31.2   32.900   65.0   29.2   26.600   70.0   34.3   24.100     50.0   22.3   35,100   55.0   31.2   32.900   65.0   29.2   26.600   70.0   34.3   24.100     50.0   20.3   35,100   55.0   31.2   32.900   65.0   29.2   26.600   70.0   34.3   24.100     75.0   26.0   70.0   34.3   24.100     75.0   26.0   70.0   34.3   24.100     75.0   26.0   70.0   34.3   24.100     75.0   26.0   70.0   34.3   24.100     75.0   26.0   70.0   34.3   24.100     75.0   26.0   70.0   34.3   24.100     75.0   26.0   70.0   34.3   24.100     75.0   26.0   70.0   34.3   24.100     75.0   26.0   70.0   34.3   24.100     75.0   26.0   70.0   34.3     75.0   26.0   70.0   34.3     75.0   26.0   70.0   34.3     75.0   26.0   70.0   34.3     75.0   26.0   70.0															
44.0   36.7   44.300   48.0   45.8   41.100   50.0   49.0   37.400   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   36.9   29.600   65.0   40.4   26.300     50.0   22.3   35,100   55.0   31.2   32.900   65.0   36.9   29.2   26.800   70.0   34.3   24,100     75.0   26.9   22.100     75.0   26.9   26.0     75.0   26.0   26.0     75.0   26.0   26.0     75.0   26.0   26.0     75.0   26.0   26.0     75.0   26.0   26.0     75.0									,						,
Reverside   Rev			15,555		_				,						
Reverside   Rev														_	
Reverside   Reve															
Reverside   Reve				50.0	22.3	35,100				65.0	29.2	26,800			
Property	Ree	VAS	Ω	Ree	VAS	8				Rec	VAS	6			
Description   Color															
Radius   R	90	' Boc	om									_			_
(ft)         (deg.)         (lbs)         (ft)         (deg.)         (12,500         26.0         81.0         123,600*         20.0         80.8         100,800         24.0         78.6         80.00         26.0         78.6         88,500*         28.0         78.6         79,900         30.0         78.6         71,900           24.0         77.4         100,800         28.0         76.3         80,200         30.0         76.5         72,400         32.0         76.7         66,100         34.0         75.9         66,300         34.0         75.7         75.7         66,600         36.0         74.7         56,800         38.0         75.0         52,300				100	0' Bo	om 🔣	110	0' Bo	om	120	0' Bo	om	130	o' Bo	om
18.0	Load	Boom	360°	100 Load	D' Bo Boom	om 360°	11( Load	0' Bo	om 360°	120 Load	0' Bo Boom	om 360°	130 Load	D' Bo Boom	om 360°
19.0         80.7         125,800 *         22.0         79.9         112,200 *         24.0         79.7         96,500 *         26.0         79.6         88,500 *         28.0         79.5         78,7000         30.0         78.6         79,900         30.0         78.6         71,900         20.0         78.7         112,500 *         26.0         77.5         88,900         28.0         77.6         88,200         30.0         77.7         72,200         32.0         77.7         65,900         30.0         77.7         72,200         32.0         77.6         66,100         34.0         76.9         60,900         28.0         78.6         79,900         30.0         77.7         65,900         28.0         78.6         79,900         32.0         77.7         72,200         32.0         77.4         100,800         28.0         76.3         80,200         30.0         75.4         66,300         34.0         76.5         46,300         34.0         75.7         61,100         36.0         75.9         56,600         38.0         75.0         52,300         38.0         73.7         72,500         38.0         75.7         74.1         48,400         32.0         75.5         76,500         38.0	Load Radius	Boom Angle	360° Rated Load	100 Load Radius	Boom Angle	360° Rated Load	11( Load Radius	0' Bo Boom Angle	360° Rated Load	120 Load Radius	0' Bo Boom Angle	360° Rated Load	130 Load Radius	Boom Angle	om 360° Rated Load
20.0         80.0         124,000 *         24.0         78.7         100,600         26.0         78.6         88,500 *         28.0         78.6         79,900         30.0         78.6         71,900           22.0         78.7         112,500 *         26.0         77.5         88,900         30.0         76.7         66,100         34.0         76.9         66,900           26.0         76.1         89,100         30.0         75.1         72,400         32.0         75.4         66,300         34.0         75.7         61,100         36.0         75.9         56,600           28.0         74.8         80,500         32.0         74.0         66,300         34.0         75.7         56,800         38.0         75.0         52,300           30.0         73.5         72,800         34.0         72.8         61,300         36.0         73.7         52,500         40.0         74.7         56,800         38.0         75.0         52,300           34.0         72.8         61,600         36.0         71.6         57,000         38.0         72.7         48,700         42.0         73.2         45,600           34.0         72.8         61,600	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs) 125,800 *	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
22.0         78.7         112,500 *         26.0         77.5         88,900         28.0         77.6         80,200         30.0         77.7         72,200         32.0         77.7         66,900           24.0         77.4         100,800         28.0         76.3         80,200         30.0         75.7         66,100         34.0         76.9         60,900           28.0         74.8         89,100         30.0         75.1         72,400         32.0         75.4         61,300         36.0         74.7         56,800         38.0         75.9         56,600           30.0         73.5         72,800         34.0         72.8         61,300         36.0         73.2         57,000         38.0         73.7         52,500         40.0         74.1         48,400           32.0         72.1         66,600         38.0         70.3         52,700         40.0         71.7         45,800         44.0         72.2         45,600           36.0         69.4         57,300         40.0         69.1         48,900         42.0         70.0         46,200         44.0         70.7         43,000         46.0         71.3         40,000           3	Load Radius (ft) 17.0 <b>18.0</b>	Boom Angle (deg.) 81.9 <b>81.3</b>	360° Rated Load (lbs) 125,800 * <b>125,800</b> *	100 Load Radius (ft) 19.0 20.0	Boom Angle (deg.) 81.6 81.0	360° Rated Load (lbs) 125,600 * 123,600 *	11( Load Radius (ft) 20.0 22.0	Boom Angle (deg.) 81.8 80.8	360° Rated Load (lbs) 100,800 * 100,800 *	120 Load Radius (ft) 22.0 24.0	0' Bo Boom Angle (deg.) 81.6 80.6	360° Rated Load (lbs) 98,700 * 94,200 *	130 Load Radius (ft) 24.0 26.0	Boom Angle (deg.) 81.3 80.4	360° Rated Load (lbs) 85,100 * 83,900 *
24.0         77.4         100,800         28.0         76.3         80,200         30.0         76.5         72,400         32.0         76.7         66,100         34.0         76.9         60,900           28.0         74.8         89,500         32.0         74.0         66,300         34.0         75.7         61,100         36.0         75.9         56,600           30.0         73.5         72,800         34.0         72.8         61,300         36.0         73.2         57,000         38.0         73.7         52,500         40.0         74.1         48,400           32.0         72.1         66,600         36.0         71.6         57,000         38.0         72.2         52,700         40.0         72.7         48,700         42.0         73.2         45,600           36.0         69.4         57,300         40.0         69.1         48,900         42.0         70.7         43,000         46.0         71.3         49,000           38.0         68.0         53,100         42.0         67.9         46,200         44.0         68.9         43,400         46.0         69.7         40,200         48.0         76.5         36,300         55.0         6	Load Radius (ft) 17.0 <b>18.0</b> 19.0	Boom Angle (deg.) 81.9 81.3 80.7	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 *	100 Load Radius (ft) 19.0 20.0 22.0	Boom Angle (deg.) 81.6 81.0 79.9	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 *	11( Load Radius (ft) 20.0 22.0 24.0	Boom Angle (deg.) 81.8 80.8 79.7	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 *	Load Radius (ft) 22.0 24.0 26.0	Boom Angle (deg.) 81.6 80.6 79.6	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 *	130 Load Radius (ft) 24.0 26.0 28.0	Boom Angle (deg.) 81.3 80.4 79.5	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 *
28.0         74.8         80,500         32.0         74.0         66,300         34.0         74.3         61,300         36.0         74.7         56,800         38.0         75.0         52,300           30.0         73.5         72,800         34.0         72.8         61,300         36.0         73.2         57,000         38.0         73.7         52,500         40.0         74.1         48,400           32.0         72.1         66,600         36.0         71.6         57,000         38.0         72.2         52,700         40.0         72.7         48,700         42.0         73.2         45,600           36.0         69.4         57,300         40.0         69.1         48,900         42.0         70.0         46,200         44.0         70.7         43,000         46.0         71.3         40,000           38.0         68.0         53,100         42.0         67.9         46,200         44.0         68.9         43,400         46.0         69.7         40,200         48.0         70.4         38,000         50.0         66.6         38,300         50.0         66.6         38,300         50.0         66.6         38,300         50.0         66.1 <td< td=""><td>Load Radius (ft) 17.0 18.0 19.0 20.0</td><td>Boom Angle (deg.) 81.9 81.3 80.7 80.0</td><td>360° Rated Load (lbs) 125,800 * 125,800 * 125,800 *</td><td>Load Radius (ft) 19.0 20.0 22.0 24.0</td><td>Boom Angle (deg.) 81.6 81.0 79.9 78.7</td><td>360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600</td><td>11( Load Radius (ft) 20.0 22.0 24.0 26.0</td><td>Boom Angle (deg.) 81.8 <b>80.8</b> 79.7 <b>78.6</b></td><td>360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 *</td><td>12( Load Radius (ft) 22.0 24.0 26.0 28.0</td><td>Boom Angle (deg.) 81.6 80.6 79.6 78.6</td><td>360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900</td><td>Load Radius (ft) 24.0 26.0 28.0 30.0</td><td>Boom Angle (deg.) 81.3 <b>80.4</b> 79.5 <b>78.6</b></td><td>360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900</td></td<>	Load Radius (ft) 17.0 18.0 19.0 20.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 *	Load Radius (ft) 19.0 20.0 22.0 24.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600	11( 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 (lbs) 100,800 * 100,800 * 96,500 * 88,500 *	12( Load Radius (ft) 22.0 24.0 26.0 28.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900	Load Radius (ft) 24.0 26.0 28.0 30.0	Boom Angle (deg.) 81.3 <b>80.4</b> 79.5 <b>78.6</b>	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900
30.0         73.5         72,800         34.0         72.8         61,300         36.0         73.2         57,000         38.0         73.7         52,500         40.0         74.1         48,400           32.0         72.1         66,600         38.0         70.3         52,700         40.0         71.1         48,900         42.0         73.7         45,800         44.0         72.2         45,600           34.0         70.8         61,600         38.0         70.3         52,700         40.0         71.1         48,900         42.0         71.7         45,800         44.0         72.2         42,800           36.0         69.4         57,300         40.0         69.1         48,900         42.0         70.0         46,200         44.0         70.7         43,000         46.0         70.4         38,000           38.0         68.0         53,100         42.0         67.9         46,200         44.0         68.9         43,400         46.0         69.7         40,200         48.0         70.4         38,000           42.0         65.2         46,500         44.0         66.6         43,400         46.0         65.4         36,600         55.0         65	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800	100 Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200	11( Load Radius (ft) 20.0 22.0 24.0 26.0 28.0 30.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400	120 Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7	360° Rated Load (lbs)  98,700 * 94,200 * 88,000 * 79,900 72,200 66,100	130 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900
32.0         72.1         66,600         36.0         71.6         57,000         38.0         72.2         52,700         40.0         72.7         48,700         42.0         73.2         45,600           34.0         70.8         61,600         38.0         70.3         52,700         40.0         71.1         48,900         42.0         71.7         45,800         44.0         72.2         42,800           36.0         69.4         57,300         40.0         69.1         48,900         42.0         70.0         46,200         44.0         70.7         43,000         46.0         71.3         40,000           40.0         66.6         49,300         44.0         66.6         43,400         46.0         68.9         43,400         46.0         68.6         38,300         50.0         69.4         36,000           42.0         65.2         46,500         46.0         65.4         40,700         48.0         66.6         38,700         50.0         67.6         36,300         55.0         69.4         36,600           48.0         62.4         40,900         50.0         62.8         36,600         55.0         62.5         32,300         60.0         62	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400	Load Radius (ft) 20.0 22.0 24.0 26.0 28.0 30.0 32.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300	Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7	360° Rated Load (lbs)  98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600
36.0         69.4         57,300         40.0         69.1         48,900         42.0         70.0         46,200         44.0         70.7         43,000         46.0         71.3         40,000           38.0         68.0         53,100         42.0         67.9         46,200         44.0         68.9         43,400         46.0         69.7         40,200         48.0         70.4         38,000           40.0         66.6         49,300         44.0         66.6         43,400         46.0         67.8         40,700         48.0         68.6         38,300         50.0         69.4         36,000           42.0         65.2         46,500         46.0         65.4         40,700         48.0         66.6         38,700         50.0         67.1         31,600           44.0         63.8         43,700         48.0         66.4         36,600         55.0         65.0         32,300         60.0         62.3         28,300         66.0         62.2         25,200           48.0         60.9         38,900         55.0         59.5         32,300         60.0         59.5         28,700         65.0         59.6         25,400         70.0         59	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300	Load Radius (ft) 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300	Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0	Boom Angle (deg.) 81.6 80.6 79.6 77.7 76.7 75.7 74.7	360° Rated Load (lbs)  98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	Boom Angle (deg.) 81.3 80.4 79.5 76.9 75.9 75.0	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300
38.0       68.0       53,100       42.0       67.9       46,200       44.0       68.9       43,400       46.0       69.7       40,200       48.0       70.4       38,000         40.0       66.6       49,300       44.0       66.6       43,400       46.0       67.8       40,700       48.0       68.6       38,300       50.0       69.4       36,000         44.0       63.8       43,700       48.0       64.1       38,700       50.0       65.4       36,600       55.0       65.0       32,000       60.0       64.6       28,100         46.0       62.4       40,900       50.0       62.8       36,600       55.0       65.0       55.0       65.0       32,300       60.0       62.3       28,300       65.0       62.2       25,200         48.0       60.9       38,900       55.0       59.5       32,300       60.0       59.5       28,700       65.0       59.6       25,400       70.0       59.6       22,200         50.0       59.4       36,900       60.0       56.1       28,700       65.0       59.6       25,400       70.0       56.8       23,200       75.0       57.0       57.0       57.0       29	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0	800m Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600	100 Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6	360° Rated 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 22.0 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 75.4 74.3 73.2 72.2	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 80,200 72,400 661,300 57,000 52,700	Load Radius (ft) 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 80.6 79.6 78.6 77.7 75.7 74.7 73.7 72.7	360° Rated Load (lbs)  98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600
40.0         66.6         49,300         44.0         66.6         43,400         46.0         67.8         40,700         48.0         68.6         38,300         50.0         69.4         36,000           42.0         65.2         46,500         46.0         65.4         40,700         48.0         66.6         38,700         50.0         67.6         36,300         55.0         67.1         31,600           44.0         63.8         43,700         48.0         64.1         38,700         50.0         65.0         32,000         60.0         64.6         28,100           46.0         62.4         40,900         50.0         62.8         36,600         55.0         62.5         32,300         60.0         62.3         28,300         65.0         62.2         25,200           48.0         60.9         38,900         55.0         59.5         32,300         60.0         59.5         28,700         65.0         59.6         25,400         70.0         59.6         22,900           50.0         59.4         36,900         60.0         56.1         28,700         65.0         56.5         25,900         70.0         58.8         23,200         75.0         57	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	800m 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	100 Load Radius (ft) 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.) 81.6 81.0 79.9 77.5 76.3 75.1 74.0 72.8 71.6 70.3	360° Rated Load (lbs)  125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700	11( 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 77.6 76.5 75.4 74.3 73.2 72.2 71.1	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900	12( Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0	Boom Angle (deg.) 81.6 80.6 79.6 77.7 76.7 75.7 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	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 75.0 74.1 73.2 72.2	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800
42.0         65.2         46,500         46.0         65.4         40,700         48.0         66.6         38,700         50.0         67.6         36,300         55.0         67.1         31,600           44.0         63.8         43,700         48.0         64.1         38,700         50.0         65.4         36,600         55.0         65.0         32,000         60.0         64.6         28,100           46.0         62.4         40,900         50.0         62.8         36,600         55.0         62.5         32,300         60.0         62.3         28,300         65.0         62.2         25,200           48.0         60.9         38,900         55.0         59.5         32,300         60.0         59.5         28,700         65.0         59.6         25,400         70.0         59.6         22,900           50.0         59.4         36,900         60.0         56.1         28,700         65.0         56.5         25,900         70.0         56.8         23,200         75.0         57.0         20,900           55.0         55.7         32,500         65.0         52.5         25,900         70.0         53.2         23,500         75.0         53	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	81.9 81.9 81.7 80.0 78.7 77.4 76.1 74.5 73.5 72.1 70.8 69.4	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	100 Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0	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	360° Rated Load (lbs)  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 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200	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	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 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 26.0 28.0 30.0 32.0 34.0 36.0 40.0 40.0 44.0 46.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 75.0 74.1 73.2 72.2 71.3	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
46.0         62.4         40,900         50.0         62.8         36,600         55.0         62.5         32,300         60.0         62.3         28,300         65.0         62.2         25,200           48.0         60.9         38,900         55.0         59.5         32,300         60.0         59.5         28,700         65.0         59.6         25,400         70.0         59.6         22,900           50.0         59.4         36,900         60.0         56.1         28,700         65.0         56.5         25,900         70.0         56.8         23,200         75.0         57.0         20,900           55.0         55.7         32,500         65.0         52.5         25,900         70.0         53.2         23,500         75.0         53.8         21,200         80.0         54.3         19,000           60.0         51.7         29,000         70.0         48.8         21,400         80.0         40.0         80.0         50.8         19,400         85.0         51.6         17,500           70.0         42.9         23,800         80.0         40.5         19,600         85.0         47.7         17,700         90.0         48.7         16,1	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	800m 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	360° Rated Load (lbs)  125,800 * 125,800 * 125,800 * 125,800 * 100,800 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100	100 Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 71.6 70.3 69.1 67.9	360° Rated Load (lbs)  125,600 * 123,600 * 112,200 * 100,600 88,900 72,400 66,300 61,300 57,000 52,700 48,900 46,200	Load Radius (ft)  20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 75.4 74.3 73.2 72.2 72.2 71.1 70.0 68.9	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	Load Radius (ft)  22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 46.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 75.7 74.7 73.7 72.7 71.7 70.7 69.7	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 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 46.0 48.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000
48.0         60.9         38,900         55.0         59.5         32,300         60.0         59.5         28,700         65.0         59.6         25,400         70.0         59.6         22,900           50.0         59.4         36,900         60.0         56.1         28,700         65.0         56.5         25,900         70.0         56.8         23,200         75.0         57.0         20,900           55.0         55.7         32,500         65.0         52.5         25,900         70.0         53.2         23,500         75.0         53.8         21,200         80.0         54.3         19,000           60.0         51.7         29,000         70.0         48.8         23,500         75.0         49.9         21,400         80.0         50.8         19,400         85.0         51.6         17,500           65.0         47.4         26,100         75.0         44.8         21,400         80.0         46.4         19,600         85.0         47.7         17,700         90.0         48.7         16,100           75.0         37.9         21,800         85.0         36.0         18,100         90.0         38.6         16,800         95.0         40	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 34.0 38.0 40.0 42.0	<b>Boom Angle (deg.)</b> 81.9 81.3 80.7 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 * 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	10( Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4	360° Rated Load (lbs)  125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700 48,900 48,900 48,900 40,700	Load Radius (ft)  20.0 24.0 26.0 28.0 30.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 77.4 74.3 73.2 71.1 70.0 68.9 66.6	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 38,700	12( Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 44.0 46.0 50.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 73.7 71.7 70.7 69.7 68.6 67.6	360° Rated Load (lbs)  98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700 45,800 43,000 40,200 38,300 36,300	Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 40.0 44.0 44.0 48.0 55.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 48,400 45,600 42,800 40,000 38,000 38,000 31,600
50.0         59.4         36,900         60.0         56.1         28,700         65.0         56.5         25,900         70.0         56.8         23,200         75.0         57.0         20,900           55.0         55.7         32,500         65.0         52.5         25,900         70.0         53.2         23,500         75.0         53.8         21,200         80.0         54.3         19,000           60.0         51.7         29,000         70.0         48.8         23,500         75.0         49.9         21,400         80.0         50.8         19,400         85.0         51.6         17,500           65.0         47.4         26,100         75.0         44.8         21,400         80.0         46.4         19,600         85.0         47.7         17,700         90.0         48.7         16,100           70.0         42.9         23,800         80.0         40.5         19,600         85.0         42.6         18,100         90.0         44.3         16,500         95.0         45.6         15,000           75.0         37.9         21,800         85.0         36.0         18,100         90.0         38.6         16,800         95.0         40	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 40.0 44.0	800m Angle (deg.) 81.9 81.3 80.0 78.7 77.4 76.1 74.8 73.5 72.1 70.8 69.4 68.0 66.6 65.2 63.8	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	10( Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 48.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1	360° Rated Load (lbs)  125,600 * 123,600 * 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 38,700	Load Radius (ft)  20.0 22.0 24.0 26.0 30.0 32.0 34.0 40.0 42.0 46.0 48.0 50.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 66.6 65.4	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 40,200 43,400 40,700 38,700 36,600	12( Load Radius (ft) 22.0 24.0 26.0 30.0 32.0 34.0 38.0 40.0 44.0 44.0 48.0 50.0 55.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 73.7 71.7 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 40,200 38,300 36,300 32,000	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 46.0 55.0 60.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 28,100
55.0         55.7         32,500         65.0         52.5         25,900         70.0         53.2         23,500         75.0         53.8         21,200         80.0         54.3         19,000           60.0         51.7         29,000         70.0         48.8         23,500         75.0         49.9         21,400         80.0         50.8         19,400         85.0         51.6         17,500           65.0         47.4         26,100         75.0         44.8         21,400         80.0         46.4         19,600         85.0         47.7         17,700         90.0         48.7         16,100           70.0         42.9         23,800         80.0         40.5         19,600         85.0         42.6         18,100         90.0         44.3         16,500         95.0         45.6         15,000           75.0         37.9         21,800         85.0         36.0         18,100         90.0         38.6         16,800         95.0         40.7         15,300         100.0         42.4         14,000           80.0         32.2         20,100         90.0         30.5         16,900         95.0         34.1         15,600         100.0	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 34.0 36.0 38.0 40.0 44.0 46.0	800m Angle (deg.) 81.9 81.3 80.0 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	360° Rated Load (lbs)  125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 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	100 Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 42.0 44.0 44.0 46.0 48.0 50.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1 62.8	360° Rated Load (lbs)  125,600 * 123,600 * 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 38,700 36,600	Load Radius (ft)  20.0 24.0 24.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 46.0 48.0 50.0 55.0	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 66.6 65.4 62.5	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 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	12( Load Radius (ft) 22.0 24.0 26.0 30.0 32.0 34.0 40.0 44.0 44.0 48.0 50.0 60.0	80.6 79.6 78.6 77.7 75.7 74.7 71.7 70.7 69.6 67.6 65.0 62.3	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	Load Radius (ft)  24.0 26.0 28.0 30.0 32.0 34.0 36.0 44.0 46.0 48.0 55.0 60.0 65.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 62.2	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 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
65.0         47.4         26,100         75.0         44.8         21,400         80.0         46.4         19,600         85.0         47.7         17,700         90.0         48.7         16,100           70.0         42.9         23,800         80.0         40.5         19,600         85.0         42.6         18,100         90.0         44.3         16,500         95.0         45.6         15,000           75.0         37.9         21,800         85.0         36.0         18,100         90.0         38.6         16,800         95.0         40.7         15,300         100.0         42.4         14,000           80.0         32.2         20,100         90.0         30.5         16,900         95.0         34.1         15,600         100.0         36.9         14,200         110.0         35.4         12,100           85.0         25.7         18,600         95.0         24.0         15,800         100.0         29.1         14,600         110.0         27.8         12,600         120.0         26.6         10,800           105.0         23.2         13,770         115.0         22.2         11,840         125.0         21.3         10,230	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 44.0 44.0 44.0 46.0 48.0 50.0	81.9 81.9 81.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1 70.8 69.4 68.0 66.6 65.2 63.2 62.4 60.9 59.4	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 * 38,900 * 36,900	100 Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 40.0 42.0 44.0 48.0 50.0 55.0 60.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1 62.8 59.5 56.1	360° Rated Load (lbs)  125,600 * 123,600 * 112,200 * 100,600 88,900 72,400 66,300 61,300 57,000 52,700 48,900 40,700 38,700 38,700 36,600 32,300 28,700	Load Radius (ft)  20.0 24.0 26.0 28.0 30.0 34.0 36.0 36.0 40.0 44.0 46.0 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 72.2 71.1 70.0 68.9 67.8 66.6 65.4 62.5 59.5 56.5	360° Rated Load (lbs)  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 32,300 28,700 25,900	Load Radius (ft)  22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 70.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 70.7 69.7 69.7 68.6 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 26.0 28.0 30.0 32.0 34.0 36.0 44.0 46.0 48.0 50.0 60.0 65.0 75.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 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
70.0         42.9         23,800         80.0         40.5         19,600         85.0         42.6         18,100         90.0         44.3         16,500         95.0         45.6         15,000           75.0         37.9         21,800         85.0         36.0         18,100         90.0         38.6         16,800         95.0         40.7         15,300         100.0         42.4         14,000           80.0         32.2         20,100         90.0         30.5         16,900         95.0         34.1         15,600         100.0         36.9         14,200         110.0         35.4         12,100           85.0         25.7         18,600         95.0         24.0         15,800         100.0         29.1         14,600         110.0         27.8         12,600         120.0         26.6         10,800           105.0         23.2         13,770         115.0         22.2         11,840         125.0         21.3         10,230	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 42.0 44.0 44.0 44.0 45.0 55.0	800m Angle (deg.) 81.9 81.9 80.0 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 60.9 59.4 55.7	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	100 Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 40.0 44.0 46.0 48.0 55.0 60.0 65.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1 62.8 59.5 56.1 52.5	360° Rated Load (lbs)  125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700 48,900 40,700 38,700 38,700 38,700 32,300 28,700 25,900	Load Radius (ft)  20.0 24.0 26.0 28.0 30.0 32.0 36.0 36.0 44.0 48.0 50.0 55.0 60.0 65.0 70.0	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	360° Rated Load (lbs)  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 32,300 28,700 25,900 23,500	Load Radius (ft)  22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 70.0 75.0	80.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 72.7 71.7 70.7 69.7 68.6 67.6 67.6 65.0 62.3 59.6 56.8 53.8	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 32,000 28,300 28,300 23,200 21,200	Load Radius (ft)  24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0 75.0 80.0	Boom Angle (deg.) 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	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 48,400 45,600 42,800 40,000 38,000 31,600 28,100 25,200 22,900 20,900 19,000
75.0         37.9         21,800         85.0         36.0         18,100         90.0         38.6         16,800         95.0         40.7         15,300         100.0         42.4         14,000           80.0         32.2         20,100         90.0         30.5         16,900         95.0         34.1         15,600         100.0         36.9         14,200         110.0         35.4         12,100           85.0         25.7         18,600         95.0         24.0         100.0         29.1         14,600         110.0         27.8         12,600         120.0         26.6         10,800           105.0         23.2         13,770         115.0         22.2         11,840         125.0         21.3         10,230	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0 50.0 55.0 60.0	800m Angle (deg.) 81.9 81.9 80.0 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 60.9 59.4 55.7 51.7	360° Rated Load (lbs)  125,800 * 125,800 * 125,800 * 125,800 * 125,800 * 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	100 Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 42.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1 62.8 59.5 56.1 52.5	360° Rated Load (lbs)  125,600 * 123,600 * 112,200 * 100,600 88,900 72,400 66,300 61,300 57,000 52,700 48,900 40,700 38,700 36,600 32,300 28,700 25,900 23,500	Load Radius (ft)  20.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 42.0 44.0 46.0 48.0 50.0 60.0 65.0 75.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 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	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 43,400 40,700 38,700 36,600 32,300 28,700 25,900 23,500 21,400	Load Radius (ft)  22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 75.0 80.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7 71.7 70.7 70.7 69.7 68.6 67.6 65.0 62.3 59.6 53.8 53.8	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 21,200 19,400	Load Radius (ft)  24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 46.0 48.0 55.0 60.0 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 74.1 73.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0 54.3	360° Rated Load (lbs)  85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 48,400 45,600 42,800 40,000 38,000 31,600 28,100 25,200 22,900 20,900 19,000 17,500
85.0         25.7         18,600         95.0         24.0         15,800         100.0         29.1         14,600         110.0         27.8         12,600         120.0         26.6         10,800           105.0         23.2         13,770         115.0         22.2         11,840         125.0         21.3         10,230	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 34.0 36.0 38.0 40.0 44.0 46.0 50.0 55.0 60.0 65.0	800m Angle (deg.) 81.9 81.3 80.7 77.4 76.1 74.8 73.5 72.1 70.8 68.0 66.6 65.2 63.8 62.4 60.9 59.4 55.7 47.4	360° Rated Load (lbs)  125,800 * 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500 49,300 46,500 43,700 40,900 38,900 36,900 32,500 29,000 26,100	10( Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 30.0 34.0 36.0 38.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 70.0 75.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1 62.8 59.5 56.1 52.5 48.8 44.8	360° Rated Load (lbs)  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 38,700 36,600 32,300 28,700 25,900 23,500 21,400	Load Radius (ft)  20.0 24.0 24.0 28.0 30.0 32.0 34.0 36.0 44.0 46.0 48.0 50.0 65.0 60.0 75.0 80.0	80.8 79.7 78.6 77.6.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 66.6 65.4 62.5 59.5 56.5 53.2 49.9 46.4	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 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 28,700 25,900 23,500 21,400 19,600	12( Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 42.0 44.0 46.0 55.0 60.0 65.0 75.0 80.0 85.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7 71.7 70.7 70.7 69.7 68.6 67.6 65.0 62.3 59.6 56.8 53.8 50.8	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 36,300 25,400 23,200 21,200 19,400 17,700	Load Radius (ft)  24.0 28.0 28.0 30.0 32.0 34.0 40.0 44.0 48.0 55.0 60.0 65.0 70.0 80.0 90.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0 54.3 51.6	360° Rated Load (lbs)  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 28,100 25,200 22,900 20,900 19,000 17,500 16,100
105.0 23.2 13,770 115.0 22.2 11,840 125.0 21.3 10,230	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 34.0 40.0 44.0 46.0 48.0 50.0 60.0 65.0 70.0 75.0	800m Angle (deg.) 81.9 81.3 80.0 78.7 77.4 76.1 74.8 73.5 72.1 70.8 66.6 65.2 63.8 62.4 60.9 59.4 551.7 47.4 42.9 37.9	360° Rated Load (lbs)  125,800 * 125,800 * 125,800 * 125,800 * 125,800 * 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 * 29,000 * 26,100 * 23,800 * 21,800 *	10( Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 40.0 44.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1 62.8 59.5 56.1 52.5 48.8 44.8 40.5 36.0	360° Rated Load (lbs)  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 38,700 36,600 32,300 28,700 25,900 23,500 21,400 19,600 18,100	Load Radius (ft)  20.0 24.0 28.0 30.0 32.0 34.0 40.0 44.0 46.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6.5 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 46.4 42.6 38.6	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 40,700 38,700 38,700 32,300 25,900 21,400 19,600 18,100 16,800	Load Radius (ft)  22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 42.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 95.0	80.6 79.6 78.6 77.7 76.7 76.7 71.7 70.7 68.6 67.6 62.3 59.6 56.8 50.8 44.7 44.3	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 28,300 25,400 23,200 21,200 19,400 17,700 16,500 15,300	Load Radius (ft)  24.0 28.0 30.0 32.0 34.0 38.0 44.0 46.0 48.0 55.0 65.0 70.0 75.0 80.0 95.0 100.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 69.1 64.6 62.2 59.6 57.0 54.3 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 28,100 25,200 22,900 20,900 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 33.0 34.0 36.0 38.0 40.0 44.0 44.0 46.0 50.0 55.0 60.0 67.0 75.0 80.0	81.3 81.3 80.7 78.7 77.4 76.1 74.8 69.4 68.0 66.6 65.2 63.8 62.4 60.9 59.4 55.7 51.7 47.4 37.9 32.2	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 43,700 40,900 38,900 36,900 32,500 29,000 26,100 23,800 20,100	10( Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 42.0 44.0 46.0 48.0 55.0 60.0 65.0 75.0 80.0 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 62.8 75.6 65.4 64.1 62.8 59.5 56.1 52.5 48.8 44.8 36.0 30.5	360° Rated Load (lbs)  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 38,700 36,600 32,300 28,700 25,900 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 36.0 40.0 44.0 55.0 65.0 75.0 85.0 95.0 95.0	80.8 79.7 78.6 77.6 76.5 75.4 3 73.2 72.2 71.1 70.0 68.9 66.6 65.4 62.5 59.5 56.5 53.2 49.9 46.4 42.6 38.6 34.1	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 43,400 40,700 38,700 36,600 32,300 28,700 21,400 19,600 18,100 16,800 15,600	Load Radius (ft)  22.0 24.0 26.0 28.0 30.0 32.0 34.0 40.0 44.0 48.0 50.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	80.6 79.6 78.6 77.7 76.7 75.7 74.7 70.7 69.7 69.7 68.6 67.6 65.0 62.3 59.6 56.8 50.8 47.7 44.3 40.7 36.9	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 28,300 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 38.0 44.0 48.0 55.0 65.0 75.0 80.0 95.0 100.0 110.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 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	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 17,5000 16,100 15,000 14,000 12,100
	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 33.0 34.0 36.0 38.0 40.0 44.0 44.0 46.0 48.0 50.0 55.0 60.0 67.0 75.0 80.0	81.3 81.3 80.7 78.7 77.4 76.1 74.8 69.4 68.0 66.6 65.2 63.8 62.4 60.9 59.4 55.7 51.7 47.4 37.9 32.2	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 43,700 40,900 38,900 36,900 32,500 29,000 26,100 23,800 20,100	10( Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 42.0 44.0 46.0 48.0 55.0 60.0 65.0 75.0 80.0 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 62.8 75.6 65.4 64.1 62.8 59.5 56.1 52.5 48.8 44.8 36.0 30.5	360° Rated Load (lbs)  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 38,700 36,600 32,300 28,700 25,900 23,500 21,400 19,600 18,100 16,900	11( Load Radius (ft) 20.0 24.0 28.0 30.0 34.0 36.0 38.0 40.0 44.0 48.0 55.0 65.0 70.0 75.0 80.0 95.0 100.0	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 53.2 49.9 46.4 42.6 38.6 34.1 29.1	360° Rated Load (lbs)  100,800 * 100,800 * 96,500 * 80,200 72,400 66,300 61,300 57,000 48,900 46,200 43,400 40,700 38,700 36,600 32,300 22,400 19,600 18,100 16,800 14,600	12( Load Radius (ft)  22.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 110.0	80.6 79.6 78.6 77.7 76.7 75.7 74.7 70.7 69.7 68.6 67.0 62.3 59.6 56.8 50.8 40.7 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 43,000 40,200 38,300 32,000 28,300 28,300 28,300 21,200 19,400 17,700 16,500 15,300 14,200 12,600	130 Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 44.0 48.0 55.0 60.0 65.0 75.0 80.0 90.0 91.0 110.0 120.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 57.0 54.3 51.6 48.7 45.6 42.4 26.6	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 36,000 28,100 25,200 22,900 20,900 17,500 16,100 15,000 14,000 12,100 10,800

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 P10.



## Crane Boom Lifting Capacity

Unit: lbs

Counterweight: 69,000 lbs, Carbody weight: 31,700 lbs

4.44			4.5			40			4 -7			40	N.D.	
140	0' Bo			0' Bo		160	)' Bo			0' Bo			)' Bo	
Load	Boom	360°	Load	Boom	360°	Load	Boom	360°	Load	Boom	360°	Load	Boom	360°
Radius (ft)	Angle (deg.)	Rated Load (lbs)	Radius   (ft)	Angle (deg.)	Rated Load (lbs)	Hadius   (ft)	Angle (deg.)	Rated Load (lbs)	Hadius   (ft)		Rated Load (lbs)	Radius (ft)	Angle (deg.)	Rated Load (lbs)
. ,								, ,		(deg.)				
24.0 <b>26.0</b>	81.9 <b>81.1</b>	72,900 * <b>71,800 *</b>	26.0 <b>28.0</b>	81.7 <b>80.9</b>	62,200 * <b>61,300 *</b>	28.0 <b>30.0</b>	81.5 <b>80.8</b>	50,200 * <b>50,100 *</b>	30.0 <b>32.0</b>	81.3 <b>80.7</b>	44,500 * <b>43,900 *</b>	30.0 <b>32.0</b>	81.8 <b>81.2</b>	39,300 * <b>38,800 *</b>
28.0	80.3	70,800 *	30.0	80.1	60,400 *	32.0	80.1	49,700 *	34.0	80.0	43,200 *	34.0	80.5	38,200 *
30.0	79.4	69,000 *	32.0	79.4	59,400 *	34.0	79.4	49,200 *	36.0	79.3	42,500 *	36.0	79.9	37,600 *
32.0 <b>34.0</b>	78.6 <b>77.8</b>	64,700 * <b>60,500</b>	34.0 <b>36.0</b>	78.6 <b>77.8</b>	57,200 * <b>54,100 *</b>	36.0 <b>38.0</b>	78.6 <b>77.9</b>	48,500 * <b>47,800 *</b>	38.0 <b>40.0</b>	78.6 <b>77.9</b>	41,900 * <b>41,200 *</b>	38.0 <b>40.0</b>	79.2 <b>78.6</b>	37,000 * <b>36,400 *</b>
36.0	76.9	56,200	38.0	77.0	51,000 *	40.0	77.2	46,600 *	42.0	77.2	40,600 *	42.0	77.9	35,800 *
38.0	76.1	52,000	40.0	76.3	48,000	42.0	76.4	44,300 *	44.0	76.5	40,000 *	44.0	<b>77.2</b>	35,100 *
40.0 <b>42.0</b>	75.2 <b>74.4</b>	48,200 <b>45,400</b>	42.0 <b>44.0</b>	75.5 <b>74.7</b>	45,200 <b>42.400</b>	44.0 <b>46.0</b>	75.6 <b>74.9</b>	42,100 * <b>39,800</b>	46.0 <b>48.0</b>	75.8 <b>75.1</b>	39,300 * <b>37,400 *</b>	46.0 <b>48.0</b>	76.6 <b>75.9</b>	34,500 * <b>33,900 *</b>
44.0	73.5	42,600	46.0	73.9	39,600	48.0	74.1	37,800	50.0	74.4	35,400 *	50.0	75.3	33,300 *
<b>46.0</b> 48.0	<b>72.7</b> 71.8	<b>39,800</b> 37,800	<b>48.0</b> 50.0	<b>73.1</b> 72.3	<b>37,500</b> 35,500	<b>50.0</b> 55.0	<b>73.4</b> 71.5	<b>35,800</b> 31,400	<b>55.0</b> 60.0	<b>72.6</b> 70.9	<b>31,200</b> 27,600	<b>55.0</b> 60.0	<b>73.7</b> 72.0	<b>30,800 *</b> 27,400
50.0	71.0	35,800	55.0	70.3	<b>31,200</b>	60.0	69.6	<b>27,800</b>	65.0	69.1	<b>24,600</b>	65.0	<b>70.3</b>	<b>24,400</b>
55.0	68.8	31,400	60.0	68.2	27,600	65.0	67.7	25,000	70.0	67.3	22,300	70.0	68.6	21,900
<b>60.0</b> 65.0	<b>66.6</b> 64.3	<b>27,800</b> 25,000	<b>65.0</b> 70.0	<b>66.2</b> 64.0	<b>24,800</b> 22,400	<b>70.0</b> 75.0	<b>65.8</b> 63.8	<b>22,600</b> 20,500	<b>75.0</b> 80.0	<b>65.4</b> 63.5	<b>20,300</b> 18,500	<b>75.0</b> 80.0	<b>66.9</b> 65.2	<b>19,900</b> 18,100
70.0	62.0	22,600	75.0	61.9	20,300	80.0	61.8	18,700	85.0	61.6	16,800	85.0	63.4	16,600
75.0	59.7	20,500	80.0	59.6	18,500	85.0	59.7	17,000	90.0	59.7	15,400	90.0	61.6	15,200
<b>80.0</b> 85.0	<b>57.3</b> 54.8	<b>18,700</b> 17,200	<b>85.0</b> 90.0	<b>57.4</b> 55.2	<b>17,000</b> 15,700	<b>90.0</b> 95.0	<b>57.6</b> 55.4	<b>15,700</b> 14,500	<b>95.0</b> 100.0	<b>57.8</b> 55.8	<b>14,300</b> 13,300	<b>95.0</b> 100.0	<b>59.8</b> 57.9	<b>14,000</b> 12,900
90.0	52.2	15,900	95.0	52.8	14,400	100.0	53.2	13,500	110.0	51.5	11,500	110.0	54.0	11,100
95.0	49.5	14,600	100.0	50.3	13,400	110.0	48.6	11,700	120.0	47.0	9,800	120.0	49.9	9,600
<b>100.0</b> 110.0	<b>46.8</b> 40.8	<b>13,600</b> 11,900	<b>110.0</b> 120.0	<b>45.1</b> 39.3	<b>11,700</b> 10,300	<b>120.0</b> 130.0	<b>43.6</b> 38.1	<b>10,100</b> 8,900	<b>130.0</b> 140.0	<b>42.2</b> 36.8	<b>8,700</b> 7,700	<b>130.0</b> 140.0	<b>45.6</b> 40.9	<b>8,500</b> 7,400
120.0	34.0	10,300	130.0	32.8	8,900	140.0	31.6	7,900	150.0	30.5	6,800	150.0	35.7	6,500
130.0 <b>135.0</b>	25.7 <b>20.5</b>	9,200 <b>8,830</b>	140.0	24.3	8,000	150.0	23.7	7,100	160.0	23.2	5,900	160.0 <b>165.0</b>	29.7 <b>26.5</b>	5,600 <b>5,100</b>
-									4					
ı Ree	ves	14	l Ree	ves	1 4	l Ree	ves	2	Ree	ves	1 2	l Ree	ves	2
Ree		om 4	20		om 4	Ree	ves	2	Ree	eves	2	Ree	ves	2
190	0' Bo	om 💮	200	0' Bo	om 📗	Ree	ves	2	Ree	eves	2	Ree	ves	2
190 Load	0' Bo Boom	om 360°	20 Load	0' Bo	om 360°	Ree	eves	2	Ree	eves	2	Ree	ves	2
190 Load	0' Bo	om 360°	20 Load	0' Bo Boom Angle	om 360°	Ree	eves	2	Ree	eves	2	Ree	ves	2
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Ree	eves	2	Ree	eves	2	Ree	ves	2
190 Load Radius (ft) 32.0 34.0	Boom Angle (deg.) 81.6 81.0	360° Rated Load (lbs) 34,400 * 33,800 *	200 Load Radius (ft) 34.0 36.0	Boom Angle (deg.) 81.5 80.9	360° Rated Load (lbs) 30,300 * 29,700 *	Ree	eves	2	Ree	eves	2	Ree	ves	2
Load Radius (ft) 32.0 34.0 36.0	Boom Angle (deg.) 81.6 81.0 80.4	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 *	200 Load Radius (ft) 34.0 36.0 38.0	Boom Angle (deg.) 81.5 <b>80.9</b> 80.3	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 *	Ree	eves	2	Ree	eves	2	Ree	ves	2
Load Radius (ft) 32.0 34.0 36.0 38.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 *	20 Load Radius (ft) 34.0 36.0 38.0 40.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 *	Ree	eves	2	Ree	eves	2	Ree	ves	2
190 Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6	360° Rated Load (lbs) 34,400 * 33,800 * 32,700 * 32,200 * 31,700 *	200 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 28,200 *	Ree	ves	2	Ree	eves	2	Ree	ves	2
190 Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0	360° Rated Load (lbs) 34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 31,100 *	200 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 46.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,200 * 27,700 * 27,300 *	Ree	ves	2	Ree	eves	2	Ree	ves	2
190 Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 31,100 * 30,600 *	200 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° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,700 * 27,300 * 26,800 *	Ree	ves	2	Ree	eves	2	Ree	ves	2
190 Load Radius (ft) 32.0 34.0 36.0 40.0 42.0 44.0 46.0 48.0 50.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.7	360° Rated Load (lbs) 34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 *	200 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0 55.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8 75.3	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,700 * 27,300 * 26,300 * 24,900 *	Ree	ves	2	Ree	eves	2	Ree	ves	2
190 Load Radius (ft) 32.0 34.0 36.0 40.0 42.0 44.0 46.0 46.0 50.0 55.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.6 77.4 76.7 76.1 74.5	360° Rated Load (lbs) 34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 * 28,100 *	200 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	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° 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 *	Ree	ves	2	Ree	eves		Ree	ves	2
190 Load Radius (ft) 32.0 34.0 36.0 40.0 44.0 46.0 46.0 50.0 55.0 60.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.7	360° Rated Load (lbs) 34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 31,100 * 30,600 * 29,600 * 28,100 * 26,200 *	200 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0 55.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8 75.3	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,700 * 27,300 * 26,300 * 24,900 *	Ree	ves	2	Ree	eves		Ree	ves	2
190 Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 50.0 60.0 65.0 70.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.1 74.5 73.0 71.4 69.8	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 31,700 * 31,100 * 30,600 * 29,600 * 28,100 * 24,000 * 21,800	200 Load Radius (ft) 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	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.3 75.3 72.4 70.9 69.3	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,700 * 26,800 * 26,800 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 *	Ree	ves		Ree	eves		Ree	ves	2
190 Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 48.0 50.0 65.0 60.0 75.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 77.4 76.7 76.1 74.5 73.0 69.8 68.2	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 30,600 * 30,100 * 29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900	200 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 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 * 28,700 * 28,200 * 27,700 * 26,300 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 *	Ree	ves		Ree	eves		Ree	ves	2
190 Load Radius (ft) 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	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2 66.5	360° Rated Load (lbs) 34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900 18,000	200 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 50.0 55.0 60.0 65.0 70.0 80.0 85.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 77.4 76.8 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 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 *	Ree	ves		Ree	eves		Ree	ves	
190 Load Radius (ft) 32.0 34.0 36.0 40.0 42.0 44.0 55.0 60.0 65.0 70.0 80.0 90.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2	360° Rated Load (lbs) 34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 31,100 * 30,600 * 29,600 * 24,000 * 24,000 * 21,800 19,900 18,000 15,000	200 Load Radius (ft) 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 85.0 90.0 95.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,700 * 26,800 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 * 14,700 13,500	Ree	ves		Ree	eves		Ree	ves	
190 Load Radius (ft) 32.0 34.0 36.0 40.0 44.0 46.0 45.0 65.0 70.0 75.0 80.0 85.0 90.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5	360° Rated Load (lbs)  34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 31,100 * 30,600 * 29,600 * 24,000 * 24,000 * 21,800 19,900 18,000 15,000 13,900	200 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 50.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0	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 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4	360° Rated Load (lbs)  30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,700 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 17,100 * 15,900 * 14,700 13,500 12,400	Ree	ves		Ree	eves		Ree	ves	
190 Load Radius (ft) 32.0 34.0 36.0 40.0 44.0 46.0 55.0 65.0 70.0 75.0 80.0 95.0 100.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5 59.7	360° Rated Load (lbs)  34,400 * 33,800 * 33,300 * 32,700 * 31,700 * 31,100 * 30,600 * 29,600 * 28,100 * 24,000 * 24,000 * 21,800 19,900 18,000 15,000 13,900 12,900	200 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 50.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 110.0	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 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,700 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 15,900 * 14,700 13,500 12,400 10,600	Ree	ves		Ree	eves		Ree	ves	
190 Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 48.0 55.0 60.0 75.0 85.0 90.0 95.0 100.0 110.0 120.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 77.4 76.7 76.1 74.5 73.0 69.8 68.2 66.5 64.9 63.2 61.5 59.7	360° Rated Load (lbs)  34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 31,100 * 29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900 16,400 15,000 13,900 12,900 11,000 9,400	200 Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0 120.0 130.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 77.4 76.8 75.3 73.8 72.4 66.2 64.6 63.0 61.4 58.1 54.6 51.1	360° Rated Load (lbs)  30,300 * 29,700 * 29,200 * 28,700 * 27,700 * 27,300 * 26,800 * 26,300 * 21,500 * 20,000 * 17,100 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800	Ree	ves		Ree	eves		Ree	ves	
190 Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 48.0 55.0 60.0 70.0 75.0 85.0 90.0 100.0 120.0 130.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 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 48.5	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 * 24,000 * 24,000 * 21,800 19,900 16,400 15,000 13,900 12,900 11,000 9,400 8,200	200 Load Radius (ft) 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 80.0 90.0 95.0 100.0 110.0 110.0 130.0 140.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 77.4 76.8 75.3 73.8 72.4 70.9 69.3 66.2 64.6 63.0 61.4 58.1 47.2	360° Rated Load (lbs)  30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,700 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800 6,500	Ree	ves		Ree	eves		Ree	ves	
190 Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 46.0 48.0 55.0 60.0 75.0 85.0 90.0 95.0 100.0 120.0 130.0 140.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 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 48.5	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 31,700 * 31,100 * 29,600 * 28,100 * 24,000 * 21,800 19,900 18,000 13,900 11,000 9,400 8,200 7,200	200 Load Radius (ft) 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 90.0 95.0 110.0 1120.0 130.0 140.0 150.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 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	360° Rated Load (lbs)  30,300 * 29,700 * 29,200 * 28,700 * 27,700 * 27,700 * 26,300 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800 6,500 5,200 *	Ree	ves		Ree	eves		Ree	ves	
190 Load Radius (ft) 32.0 34.0 36.0 40.0 44.0 46.0 45.0 65.0 70.0 85.0 90.0 110.0 120.0 130.0 140.0 150.0 160.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5 59.7 56.2 52.5 44.3 39.7 34.8	360° Rated Load (lbs)  34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 31,100 * 29,600 * 28,100 * 24,000 * 21,800 19,900 18,000 13,900 11,000 9,400 8,200 7,200 6,300 5,300	200 Load Radius (ft) 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 80.0 90.0 95.0 100.0 110.0 110.0 130.0 140.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 77.4 76.8 75.3 73.8 72.4 70.9 69.3 66.2 64.6 63.0 61.4 58.1 47.2	360° Rated Load (lbs)  30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,700 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800 6,500	Ree	ves		Ree	eves		Ree	ves	
190 Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 55.0 65.0 65.0 70.0 75.0 80.0 95.0 110.0 110.0 1120.0 1150.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0 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 32.1	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 31,700 * 31,100 * 29,600 * 28,100 * 24,000 * 21,800 19,900 18,000 13,900 11,000 9,400 8,200 7,200 6,300	200 Load Radius (ft) 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 90.0 95.0 110.0 1120.0 130.0 140.0 150.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 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	360° Rated Load (lbs)  30,300 * 29,700 * 29,200 * 28,700 * 27,700 * 27,700 * 26,300 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800 6,500 5,200 *	Ree	ves		Ree	eves		Ree	ves	

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 P10.

## LIFTING CAPACITY

## **Fixed Jib Lifting Capacity**

Unit: Ibs

Counterweight: 69,000 lbs, Carbody weight: 31,700 lbs

													Co	ounterv	veigh	it: 69	,000 lb	s, Ca	arboc	dy weig	ht: 3	1,700	) lbs
	80'	Воо	m																				
		30 1	30 ft Jib 40 ft Jib 50 ft Jib 60 ft Jib																				
	О	Offset An	igle (a	leg.)			C	Offset An	igle (d	leg.)			C	Offset Ar	igle (a	leg.)		Offset Angle (deg.)  10 30					
	10			30			10			30			10			30							
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
30.0 <b>32.0</b>	79.3 <b>78.0</b>	24,000* <b>24,000</b> *				34.0 <b>36.0</b>	79.3 <b>78.3</b>	24,000* <b>24,000</b> *				38.0 <b>40.0</b>	79.3 <b>78.4</b>	20,000* <b>20,000</b> *				40.0 <b>45.0</b>		18,000* <b>18,000</b> *			
34.0	77.0	24,000*				38.0	77.4	24,000*				45.0	76.1	20,000*				50.0	1	17,850*			
36.0	75.9	24,000*	00.0	70.0	04 000*	40.0	76.4	24,000*	45.0	70.7	45 000*	50.0	73.8	20,000*	55.0	70.0	44 000*	55.0		16,180*	00.0	70.7	0.050+
38.0 <b>40.0</b>	74.9 <b>73.8</b>	24,000* <b>24,000</b> *	38.0 <b>40.0</b>	79.6 <b>78.5</b>	21,000* <b>21,000</b> *	45.0 <b>50.0</b>	73.9 <b>71.4</b>	24,000* <b>24,000</b> *	45.0 <b>50.0</b>	79.7 <b>77.1</b>	15,360* <b>14,480</b> *	55.0 <b>60.0</b>	71.3 <b>68.9</b>	18,560* <b>17,080</b> *	55.0 <b>60.0</b>	78.0 <b>75.5</b>	11,080* <b>10,490</b> *	60.0 <b>65.0</b>		14,850* 13,730*	60.0 <b>65.0</b>	78.7 <b>76.4</b>	8,950* <b>8,480</b> *
45.0	71.1	24,000*	45.0	75.7	20,700*	55.0	68.7	22,480*	55.0	74.3	13,640*	65.0	66.5	15,800*	65.0	73.0	9,980*	70.0		12,760*	70.0	74.1	8,060*
50.0	68.3	24,000*	50.0	72.8	19,510*	60.0	66.1	20,700*	60.0	71.6	12,980*	70.0	64.0	14,720*	70.0	70.4	9,540*	75.0	64.3	11,860*	75.0	71.5	7,670*
55.0	65.3	24,000*	55.0	69.7	18,380*	65.0	63.4	19,180*	65.0	68.8	12,360*	75.0	61.3	13,710*	75.0	67.6	9,100*	80.0		11,130*	80.0	69.0	7,340*
60.0	62.4	24,000*	60.0	66.7	17,500*	70.0	60.6	17,870*	70.0	65.9	11,830*	80.0	58.7	12,870*	80.0	64.8	8,730*	85.0		10,470*	85.0	66.5	7,030*
65.0 <b>70.0</b>	59.3 <b>56.2</b>	22,920 <b>20,810</b>	65.0 <b>70.0</b>	63.6 <b>60.3</b>	16,710* <b>16,020</b> *	75.0 <b>80.0</b>	57.6 <b>54.6</b>	16,660* <b>15,670*</b>	75.0 <b>80.0</b>	62.7 <b>59.6</b>	11,350* <b>10,930</b> *	85.0 <b>90.0</b>	56.0 <b>53.2</b>	12,140* <b>11,500</b> *	85.0 <b>90.0</b>	62.0 <b>59.0</b>	8,420* <b>8,130</b> *	90.0 <b>95.0</b>		9,870* <b>9,320</b> *	90.0 <b>95.0</b>	63.9 <b>60.9</b>	6,760* <b>6,500</b> *
75.0	52.8	18,910	75.0	56.7	15,380*	85.0	51.5	14,810*	85.0	56.3	10,560*	95.0	50.0	10,890*	95.0	55.6	7,840*	100.0		8,860*	100.0	58.1	6,280*
80.0	49.3	17,370	80.0	53.1	14,850*	90.0	48.3	14,040*	90.0	52.9	10,250*	100.0	46.9	10,360*	100.0	52.3	7,620*	105.0		8,440*	105.0	55.0	6,100*
85.0	45.7	16,020				95.0	44.6	13,310*				105.0	43.6	9,890*				110.0		8,060*	110.0	51.8	5,930*
90.0	41.8	14,850				100.0	40.8	12,690*				110.0	40.0	9,470*				115.0		7,690*			
95.0 <b>100.0</b>	37.2 <b>32.4</b>	13,750 <b>12,830</b>				105.0 110.0	36.7 <b>32.1</b>	12,120 <b>11,350</b> *				115.0	35.8	9,080*				120.0 <b>125.0</b>	1	7,380* <b>7,120</b> *			
100.0	02.4	12,000				110.0	02.1	11,000										125.0	00.1	7,120			
Ree	V00	1	Ree	W06	1	Ree	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1	Ree	W06	1	Ree	VOC.	1	Ree	VOC.	1	Pos	eves	1	Ree	V00	1
nec				Ves	•	nec	ves	•	nec	ves		nec	VES		nec	VCS	•	nec	7003		nec	ves	'
	90	Воо					$\mathcal{A}$	-					_										
			t Jib	1					ft Jib	1	4			-	ft Jib	/ · \					ft Jib	/ · \	
		Offset An	igie (d	<u> </u>	1		_	Offset An	igie (d	<u> </u>	$\vdash$		-	Offset Ar	igie (a	<u> </u>				Offset Ar	igie (a T	<u> </u>	
Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom		Load	30 Boom	Rated	Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom		Load	30 Boom	Rated
Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)		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)	Radius (ft)	Angle (deg.)	Load (lbs)
32.0 <b>34.0</b>	79.1 <b>78.1</b>	24,000* <b>24,000</b> *				36.0 <b>38.0</b>	79.3 <b>78.4</b>	24,000* <b>24,000</b> *				38.0 <b>40.0</b>	80.0 <b>79.2</b>	20,000* <b>20,000</b> *				45.0 <b>50.0</b>		18,000* <b>18,000</b> *			
36.0	77.1	24,000*				40.0	77.5	24,000*				45.0	77.1	20,000*				55.0		16,970*			
38.0		24,000*				45.0	75.2	24,000*				50.0	75.0	20,000*				60.0		15,630*	60.0	79.5	9,100*
40.0		24,000*	40.0	79.5	21,000*	50.0		24,000*	50.0	78.2	14,810*	55.0		19,550*	55.0	78.9	11,300*	65.0		14,460*	65.0	77.4	8,660*
45.0		24,000*	45.0	77.0	21,000*	55.0	70.4	23,890*	55.0	75.6	14,020*	60.0		18,000*	60.0	<b>76.7</b>	10,730*	70.0	1	13,470*	70.0	<b>75.3</b>	<b>8,240*</b>
50.0 <b>55.0</b>	70.2 <b>67.5</b>	24,000* <b>24,000</b> *	50.0 <b>55.0</b>	74.4 <b>71.6</b>	20,100* <b>19,020</b> *	60.0 <b>65.0</b>		22,020* <b>20,410</b> *	60.0 <b>65.0</b>	73.2 <b>70.7</b>	13,330* <b>12,760</b> *	65.0 <b>70.0</b>		16,730* <b>15,580</b> *	65.0 <b>70.0</b>	74.4 <b>72.0</b>	10,250* <b>9,780</b> *	75.0 <b>80.0</b>		12,520* <b>11,770</b> *	75.0 <b>80.0</b>	72.9 <b>70.7</b>	7,870* <b>7,530</b> *
60.0		24,000*	60.0	68.9	18,120*	70.0		19,040*	70.0	68.1	12,230*	75.0		14,520*	75.0	69.5	9,360*	85.0		11,080*	85.0	68.4	7,230*
65.0	62.2	22,660	65.0	66.1	17,320*	75.0	60.4	17,760*	75.0	65.3	11,720*	80.0	61.3	13,660*	80.0	67.0	8,990*	90.0	59.5	10,470*	90.0	66.0	6,960*
70.0		20,540	70.0	63.3	16,620*	80.0		16,730*	80.0	62.5	11,300*	85.0		12,890*	85.0	64.5	8,680*	95.0		9,890*	95.0	63.4	6,700*
<b>75.0</b>		18,620	75.0	<b>60.2</b>	15,960*	85.0		15,800*	85.0	<b>59.7</b>	10,930*	90.0		<b>12,210*</b>	90.0	<b>61.8</b>	8,370*	100.0	1	9,390*	100.0	60.9	6,480*
80.0 <b>85.0</b>	53.5 <b>50.4</b>	17,080 <b>15,760</b>	80.0 <b>85.0</b>	57.1 <b>53.9</b>	15,430* <b>14,940</b> *	90.0 <b>95.0</b>		14,740 <b>13,620</b>	90.0 <b>95.0</b>	56.7 <b>53.4</b>	10,580* <b>10,270*</b>	95.0 <b>100.0</b>		11,570* <b>11,020</b> *	95.0 <b>100.0</b>	58.9 <b>56.1</b>	8,110* <b>7,870</b> *	105.0 <b>110.0</b>		8,950* <b>8,550</b> *	105.0 <b>110.0</b>	58.3 <b>55.5</b>	6,280* <b>6,100</b> *
90.0		14,570	30.0	20.0	,0 10	100.0		12,690		30.7	,=10	105.0	48.0	10,530*	105.0	53.1	7,640*	115.0	1	8,150*	115.0	52.4	5,930*
95.0	43.4	13,470				105.0		11,860				110.0	45.1	10,070*			,	120.0	43.8	7,820*			
100.0		12,540				110.0		11,080				115.0		9,650*				125.0	1	7,530*			
105.0	35.6	11,700				115.0	35.0	10,360				<b>120.0</b> 125.0		<b>9,300*</b> 8,970*				<b>130.0</b> 135.0	1	<b>7,270*</b> 7,010*			
												120.0	OT.4	0,010				100.0	55.0	7,010			
Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	eves	1	Ree	ves	1

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



## **Fixed Jib Lifting Capacity**

Unit: Ibs

Counterweight: 69,000 lbs, Carbody weight: 31,700 lbs

	100	' Boo	om																				
			ft Jib					40 t	ft Jib					50 :	ft Jib					60 t	t Jib		
		Offset Ar		lan )				Offset An		lea )				Offset Ar		laa )				Offset An		lan )	
	10		igie (c	30 30	<u> </u>		10		igie (c	30			10		igie (u	30 30			10		gie (u	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	Angle	Load	Radius	Angle	Load	Radius	Angle	Load	Radius	Angle	Load	Radius	Angle	Load	Radius	Angle	Load	Radius	Angle	Load	Radius	Angle	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)
32.0	79.9	24,000*				36.0	80.0	24,000*				40.0	79.9	20,000*				45.0	79.3	18,000*			
34.0	79.0	24,000*				38.0	79.2	24,000*				45.0	78.0	20,000*				50.0	77.5	18,000*			
36.0	78.1	24,000*				40.0	78.4	24,000*				50.0	76.0	20,000*	EE 0	70.7	11 500*	55.0	75.5	17,720*			
38.0	77.2	24,000*				45.0	76.3	24,000*	E0.0	70.1	15 100*	55.0	73.9	20,000*	55.0	79.7	11,500*	60.0	73.7	16,350*	GE O	70.0	0.0109
40.0 <b>45.0</b>	76.4 <b>74.1</b>	24,000* <b>24,000</b> *	45.0	78.0	21,000*	50.0 <b>55.0</b>	74.2 <b>71.9</b>	24,000* <b>24,000</b> *	50.0 <b>55.0</b>		15,100* <b>14,320</b> *	60.0 <b>65.0</b>	71.9 <b>69.9</b>	18,930* <b>17,590</b> *	60.0 <b>65.0</b>	77.7 <b>75.5</b>	10,950* <b>10,470</b> *	65.0 <b>70.0</b>	71.8 <b>69.9</b>	15,160* <b>14,130</b> *	65.0 <b>70.0</b>	78.3 <b>76.3</b>	8,810°
50.0	71.8	24,000*	50.0	75.7	20,650*	60.0	69.7	23,280*	60.0		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>	69.3	24,000*	55.0	73.2	19,570*	65.0	67.5	21,620*	65.0		13,090*	75.0	65.6	15,340*	75.0	71.1	9,610*	80.0	65.8	12,360*	80.0	72.1	7,710 <sup>3</sup>
60.0	67.0	24,000*	60.0	70.7	18,690*	70.0	65.3	20,190*	70.0	1	12,560*	80.0	63.4	14,440*	80.0	68.8	9,230*	85.0	63.8	11,660*	85.0	70.0	7,420
65.0	64.5	22,440	65.0	68.2	17,900*	75.0	62.8	18,620	75.0		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	62.1	20,320	70.0	65.7	17,190*	80.0	60.4	17,060	80.0		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	59.4	18,400	75.0	62.9	16,510*	85.0	58.0	15,710	85.0		11,260*	95.0	56.5	12,230*	95.0	61.6	8,330*	100.0	57.3	9,920*	100.0	63.2	6,670
80.0	56.7	16,860	80.0	60.2	15,960*	90.0	55.5	14,500	90.0	59.8	10,910*	100.0	54.1	11,660*	100.0	59.1	8,090*	105.0	55.1	9,450*	105.0	60.9	6,450
85.0	54.0	15,520	85.0	57.4	15,450*	95.0	52.8	13,380	95.0	56.9	10,580*	105.0	51.6	11,150*	105.0	56.4	7,870*	110.0	52.7	9,030*	110.0	58.4	6,280
90.0	51.2	14,320	90.0	54.5	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	48.1	13,220	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	45.0	12,270				110.0	44.3	10,840				120.0	43.2	9,590				125.0	45.1	7,950*			
105.0	41.7	11,460				115.0	40.9	10,110		$\boldsymbol{A}$		125.0	40.2	9,010				130.0	42.3	7,670*			
110.0	38.1	10,690				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*			
								$A \setminus$						V.		V							
Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1
	110	' Boo	om																				
		<i>30</i> :	ft Jib			1		40 t	ft Jib	$\overline{A}$				50 i	ft Jib					60 t	t Jib		
	C	Offset Ar	ngle (c	leg.)			C	Offset An	igle (c	leg.)			C	Offset Ar	ngle (a	leg.)			C	Offset An	gle (a	leg.)	
	10	)		30	)		10			30			10			30			10			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	79.8	24,000*				38.0	79.9	24,000*	NV			45.0	78.8	20,000*				45.0	80.0	18,000*			
36.0	79.0	24,000*				40.0	79.2	24,000*	B "			50.0	76.9	20,000*				50.0	78.3	18,000*			
38.0	78.2	24,000*				45.0	77.2	24,000*				55.0	75.0	20,000*				55.0	76.4	18,000*			
40.0	77.3	24,000*				50.0	75.3	24,000*	50.0		15,360*	60.0	73.1	19,810*	60.0	78.5	11,150*	60.0		17,040*			
45.0		24,000*			21,000*	55.0		24,000*	55.0		14,610*	65.0	71.2	18,430*	1	76.5		65.0		15,820*	l	79.1	
50.0	73.2	24,000*	50.0	76.8	21,000*	60.0		24,000*	60.0		13,970*	70.0	69.3	17,230*	70.0	74.6	10,250*	70.0	71.1	14,770*	70.0	77.2	8,570
55.0	70.9	24,000*	55.0	74.5	20,100*	65.0		22,500	65.0	1	13,400*	75.0		16,110*	75.0	72.4	9,830*	75.0	69.2	13,800*	75.0	75.2	8,200
60.0	68.7	24,000*	60.0	72.2	19,220*		67.1	<b>20,370</b> 18,450	70.0	1	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
				70.0				1 18 /150	75.0	69.1	12,380*	85.0	63.2	14,350*	85.0	68.3	9,140*	85.0	65.5	12,230*	85.0	71.4	7,5803
65.0	66.5	22,260	65.0	70.0	18,430*	75.0				1			64.0	12 600+	00 0					11 500+	00.0	60 4	7 2404
70.0	66.5 <b>64.3</b>	22,260 <b>20,150</b>	65.0 <b>70.0</b>	67.7	17,700*	80.0	62.7	16,880	80.0	66.9	11,940*	90.0	<b>61.2</b> 58.0	13,600*	<b>90.0</b>	66.1	8,840*	90.0	<b>63.6</b>	11,590*	<b>90.0</b>	<b>69.4</b>	<b>7,310</b> °
<b>70.0</b> 75.0	66.5 <b>64.3</b> 61.8	22,260 <b>20,150</b> 18,230	65.0 <b>70.0</b> 75.0	<b>67.7</b> 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	58.9	12,890*	95.0	63.8	8,550*	95.0	61.5	10,950*	95.0	67.2	7,050
<b>70.0</b> 75.0 <b>80.0</b>	66.5 <b>64.3</b> 61.8 <b>59.4</b>	22,260 <b>20,150</b> 18,230 <b>16,680</b>	65.0 <b>70.0</b> 75.0 <b>80.0</b>	<b>67.7</b> 65.1 <b>62.7</b>	<b>17,700*</b> 17,040* <b>16,460*</b>	<b>80.0</b> 85.0 <b>90.0</b>	<b>62.7</b> 60.5 <b>58.2</b>	<b>16,880</b> 15,520 <b>14,320</b>	<b>80.0</b> 85.0 <b>90.0</b>	<b>66.9</b> 64.6 <b>62.2</b>	<b>11,940*</b> 11,570* <b>11,220*</b>	90.0 95.0 100.0	58.9 <b>56.7</b>	12,890* <b>12,300</b> *	95.0 <b>100.0</b>	63.8 <b>61.5</b>	8,550* <b>8,310</b> *	95.0 <b>100.0</b>	61.5 <b>59.5</b>	10,950* <b>10,420</b> *	95.0 <b>100.0</b>	67.2 <b>65.2</b>	7,050°
<b>70.0</b> 75.0 <b>80.0</b> 85.0	66.5 <b>64.3</b> 61.8 <b>59.4</b> 57.0	22,260 20,150 18,230 16,680 15,340	65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0	<b>67.7</b> 65.1 <b>62.7</b> 60.2	<b>17,700*</b> 17,040* <b>16,460*</b> 15,650	<b>80.0</b> 85.0 <b>90.0</b> 95.0	<b>62.7</b> 60.5 <b>58.2</b> 55.7	<b>16,880</b> 15,520 <b>14,320</b> 13,200	<b>80.0</b> 85.0 <b>90.0</b> 95.0	<b>66.9</b> 64.6 <b>62.2</b> 59.7	<b>11,940*</b> 11,570* <b>11,220*</b> 10,890*	90.0 95.0 100.0 105.0	58.9 <b>56.7</b> 54.5	12,890* <b>12,300*</b> 11,530	95.0 <b>100.0</b> 105.0	63.8 <b>61.5</b> 59.2	8,550* <b>8,310*</b> 8,090*	95.0 <b>100.0</b> 105.0	61.5 <b>59.5</b> 57.5	10,950* 10,420* 9,940*	95.0 <b>100.0</b> 105.0	67.2 <b>65.2</b> 63.0	7,050° <b>6,830°</b> 6,630°
<b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b>	66.5 <b>64.3</b> 61.8 <b>59.4</b> 57.0 <b>54.5</b>	22,260 20,150 18,230 16,680 15,340 14,150	65.0 <b>70.0</b> 75.0 <b>80.0</b>	<b>67.7</b> 65.1 <b>62.7</b>	17,700* 17,040* 16,460* 15,650 14,440	<b>80.0</b> 85.0 <b>90.0</b>	<b>62.7</b> 60.5 <b>58.2</b>	16,880 15,520 14,320 13,200 12,250	<b>80.0</b> 85.0 <b>90.0</b>	<b>66.9</b> 64.6 <b>62.2</b> 59.7 <b>57.1</b>	11,940* 11,570* 11,220* 10,890* 10,600*	90.0 95.0 100.0 105.0 110.0	58.9 <b>56.7</b>	12,890* 12,300* 11,530 10,780	95.0 <b>100.0</b>	63.8 <b>61.5</b>	8,550* 8,310* 8,090* 7,890*	95.0 <b>100.0</b> 105.0 <b>110.0</b>	<b>59.5</b> 57.5 <b>55.4</b>	10,950* 10,420* 9,940* 9,500*	95.0 <b>100.0</b>	67.2 65.2 63.0 60.8	7,050° <b>6,830°</b> 6,630° <b>6,430°</b>
<b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0	66.5 64.3 61.8 59.4 57.0 54.5 51.8	22,260 20,150 18,230 16,680 15,340 14,150 13,020	65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b>	<b>67.7</b> 65.1 <b>62.7</b> 60.2 <b>57.6</b>	17,700* 17,040* 16,460* 15,650 14,440 13,270	<b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b>	<b>62.7</b> 60.5 <b>58.2</b> 55.7 <b>53.3</b>	16,880 15,520 14,320 13,200 12,250 11,410	<b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b>	66.9 64.6 62.2 59.7 57.1 54.5	11,940* 11,570* 11,220* 10,890* 10,600* 10,330*	90.0 95.0 100.0 105.0 110.0 115.0	58.9 <b>56.7</b> 54.5 <b>52.2</b>	12,890* 12,300* 11,530 10,780 10,030	95.0 <b>100.0</b> 105.0 <b>110.0</b>	63.8 <b>61.5</b> 59.2 <b>56.7</b>	8,550* <b>8,310*</b> 8,090*	95.0 <b>100.0</b> 105.0	61.5 <b>59.5</b> 57.5	10,950* 10,420* 9,940* 9,500* 9,080*	95.0 <b>100.0</b> 105.0 <b>110.0</b>	67.2 <b>65.2</b> 63.0	7,050° <b>6,830°</b> 6,630°
<b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b>	66.5 64.3 61.8 59.4 57.0 54.5 51.8	22,260 20,150 18,230 16,680 15,340 14,150 13,020 12,100	65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0	67.7 65.1 62.7 60.2 57.6 54.8	17,700* 17,040* 16,460* 15,650 14,440	<b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b> 105.0	<b>62.7</b> 60.5 <b>58.2</b> 55.7 <b>53.3</b> 50.8 <b>48.2</b>	16,880 15,520 14,320 13,200 12,250	<b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b> 105.0	66.9 64.6 62.2 59.7 57.1 54.5	11,940* 11,570* 11,220* 10,890* 10,600*	90.0 95.0 100.0 105.0 110.0 115.0 120.0	58.9 <b>56.7</b> 54.5 <b>52.2</b> 49.6	12,890* 12,300* 11,530 10,780 10,030 9,390	95.0 <b>100.0</b> 105.0 <b>110.0</b>	63.8 <b>61.5</b> 59.2 <b>56.7</b>	8,550* 8,310* 8,090* 7,890*	95.0 <b>100.0</b> 105.0 <b>110.0</b> 115.0 <b>120.0</b>	61.5 <b>59.5</b> 57.5 <b>55.4</b> 53.1	10,950* 10,420* 9,940* 9,500* 9,080* 8,700*	95.0 <b>100.0</b> 105.0 <b>110.0</b> 115.0	67.2 65.2 63.0 60.8 58.4	7,050° 6,830° 6,630° 6,430° 6,260° 6,100°
70.0 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0 100.0	66.5 64.3 61.8 59.4 57.0 54.5 51.8 49.1 46.3	22,260 20,150 18,230 16,680 15,340 14,150 13,020	65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0	67.7 65.1 62.7 60.2 57.6 54.8	17,700* 17,040* 16,460* 15,650 14,440 13,270	<b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b> 105.0 <b>110.0</b>	<b>62.7</b> 60.5 <b>58.2</b> 55.7 <b>53.3</b> 50.8 <b>48.2</b>	16,880 15,520 14,320 13,200 12,250 11,410 10,640	<b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b> 105.0	66.9 64.6 62.2 59.7 57.1 54.5	11,940* 11,570* 11,220* 10,890* 10,600* 10,330*	90.0 95.0 100.0 105.0 110.0 115.0	58.9 56.7 54.5 52.2 49.6 47.1	12,890* 12,300* 11,530 10,780 10,030	95.0 <b>100.0</b> 105.0 <b>110.0</b>	63.8 <b>61.5</b> 59.2 <b>56.7</b>	8,550* 8,310* 8,090* 7,890*	95.0 <b>100.0</b> 105.0 <b>110.0</b> 115.0	61.5 59.5 57.5 55.4 53.1 50.9	10,950* 10,420* 9,940* 9,500* 9,080*	95.0 <b>100.0</b> 105.0 <b>110.0</b> 115.0 <b>120.0</b>	67.2 65.2 63.0 60.8 58.4 56.1	7,050° <b>6,830°</b> 6,630° <b>6,430°</b> 6,260°
70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	66.5 64.3 61.8 59.4 57.0 54.5 51.8 49.1 46.3 43.3	22,260 20,150 18,230 16,680 15,340 14,150 13,020 12,100 11,260	65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0	67.7 65.1 62.7 60.2 57.6 54.8	17,700* 17,040* 16,460* 15,650 14,440 13,270	80.0 85.0 90.0 95.0 100.0 105.0 110.0	<b>62.7</b> 60.5 <b>58.2</b> 55.7 <b>53.3</b> 50.8 <b>48.2</b> 45.3 <b>42.5</b>	16,880 15,520 14,320 13,200 12,250 11,410 10,640 9,920	<b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b> 105.0	66.9 64.6 62.2 59.7 57.1 54.5	11,940* 11,570* 11,220* 10,890* 10,600* 10,330*	90.0 95.0 100.0 105.0 115.0 120.0	58.9 <b>56.7</b> 54.5 <b>52.2</b> 49.6 <b>47.1</b> 44.5	12,890* 12,300* 11,530 10,780 10,030 9,390 8,810	95.0 <b>100.0</b> 105.0 <b>110.0</b>	63.8 <b>61.5</b> 59.2 <b>56.7</b>	8,550* 8,310* 8,090* 7,890*	95.0 <b>100.0</b> 105.0 <b>110.0</b> 115.0 <b>120.0</b> 125.0	61.5 <b>59.5</b> 57.5 <b>55.4</b> 53.1 <b>50.9</b> 48.6	10,950* 10,420* 9,940* 9,500* 9,080* 8,700* 8,370*	95.0 <b>100.0</b> 105.0 <b>110.0</b> 115.0 <b>120.0</b>	67.2 65.2 63.0 60.8 58.4 56.1	7,050° 6,830° 6,630° 6,430° 6,260° 6,100°
70.0 75.0 80.0 85.0 90.0 95.0 105.0 115.0 120.0	66.5 64.3 61.8 59.4 57.0 54.5 51.8 49.1 46.3 43.3 39.9 36.5	22,260 20,150 18,230 16,680 15,340 14,150 13,020 12,100 11,260 10,510	65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0	67.7 65.1 62.7 60.2 57.6 54.8	17,700* 17,040* 16,460* 15,650 14,440 13,270	80.0 85.0 90.0 95.0 100.0 105.0 115.0 120.0	<b>62.7</b> 60.5 <b>58.2</b> 55.7 <b>53.3</b> 50.8 <b>48.2</b> 45.3 <b>42.5</b>	16,880 15,520 14,320 13,200 12,250 11,410 10,640 9,920 9,300	<b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b> 105.0	66.9 64.6 62.2 59.7 57.1 54.5	11,940* 11,570* 11,220* 10,890* 10,600* 10,330*	90.0 95.0 100.0 105.0 110.0 120.0 125.0 130.0	58.9 <b>56.7</b> 54.5 <b>52.2</b> 49.6 <b>47.1</b> 44.5 <b>41.8</b>	12,890* 12,300* 11,530 10,780 10,030 9,390 8,810 8,280	95.0 <b>100.0</b> 105.0 <b>110.0</b>	63.8 <b>61.5</b> 59.2 <b>56.7</b>	8,550* 8,310* 8,090* 7,890*	95.0 100.0 105.0 110.0 115.0 120.0 125.0 130.0	61.5 <b>59.5</b> 57.5 <b>55.4</b> 53.1 <b>50.9</b> 48.6 <b>46.2</b> 43.6 <b>40.8</b>	10,950* 10,420* 9,940* 9,500* 9,080* 8,700* 8,370* 8,060*	95.0 <b>100.0</b> 105.0 <b>110.0</b> 115.0 <b>120.0</b>	67.2 65.2 63.0 60.8 58.4 56.1	7,050° 6,830° 6,630° 6,430° 6,260° 6,100°
70.0 75.0 80.0 85.0 90.0 95.0 105.0 115.0 120.0	66.5 64.3 61.8 59.4 57.0 54.5 51.8 49.1 46.3 43.3 39.9 36.5	22,260 20,150 18,230 16,680 15,340 14,150 13,020 12,100 11,260 10,510 9,780	65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0	67.7 65.1 62.7 60.2 57.6 54.8	17,700* 17,040* 16,460* 15,650 14,440 13,270	80.0 85.0 90.0 95.0 100.0 105.0 115.0 120.0	<b>62.7</b> 60.5 <b>58.2</b> 55.7 <b>53.3</b> 50.8 <b>48.2</b> 45.3 <b>42.5</b> 39.4 <b>36.1</b>	16,880 15,520 14,320 13,200 12,250 11,410 10,640 9,920 9,300 8,730	<b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b> 105.0	66.9 64.6 62.2 59.7 57.1 54.5	11,940* 11,570* 11,220* 10,890* 10,600* 10,330*	90.0 95.0 100.0 105.0 115.0 120.0 125.0 130.0	58.9 <b>56.7</b> 54.5 <b>52.2</b> 49.6 <b>47.1</b> 44.5 <b>41.8</b> 38.8	12,890* 12,300* 11,530 10,780 10,030 9,390 8,810 8,280 7,800	95.0 <b>100.0</b> 105.0 <b>110.0</b>	63.8 <b>61.5</b> 59.2 <b>56.7</b>	8,550* 8,310* 8,090* 7,890*	95.0 100.0 105.0 110.0 115.0 120.0 125.0 130.0	61.5 <b>59.5</b> 57.5 <b>55.4</b> 53.1 <b>50.9</b> 48.6 <b>46.2</b> 43.6	10,950* 10,420* 9,940* 9,500* 9,080* 8,700* 8,370* 8,060* 7,780*	95.0 <b>100.0</b> 105.0 <b>110.0</b> 115.0 <b>120.0</b>	67.2 65.2 63.0 60.8 58.4 56.1	7,050° 6,830° 6,630° 6,430° 6,260° 6,100°
70.0 75.0 80.0 85.0 90.0 95.0 105.0 115.0 120.0	66.5 64.3 61.8 59.4 57.0 54.5 51.8 49.1 46.3 43.3 39.9 36.5	22,260 20,150 18,230 16,680 15,340 14,150 13,020 12,100 11,260 10,510 9,780 9,170	65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0	67.7 65.1 62.7 60.2 57.6 54.8	17,700* 17,040* 16,460* 15,650 14,440 13,270	80.0 85.0 90.0 95.0 100.0 105.0 115.0 120.0 125.0 130.0	<b>62.7</b> 60.5 <b>58.2</b> 55.7 <b>53.3</b> 50.8 <b>48.2</b> 45.3 <b>42.5</b> 39.4 <b>36.1</b>	16,880 15,520 14,320 13,200 12,250 11,410 10,640 9,920 9,300 8,730 8,200	<b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b> 105.0	66.9 64.6 62.2 59.7 57.1 54.5	11,940* 11,570* 11,220* 10,890* 10,600* 10,330*	90.0 95.0 100.0 105.0 115.0 120.0 125.0 130.0	58.9 <b>56.7</b> 54.5 <b>52.2</b> 49.6 <b>47.1</b> 44.5 <b>41.8</b> 38.8	12,890* 12,300* 11,530 10,780 10,030 9,390 8,810 8,280 7,800	95.0 <b>100.0</b> 105.0 <b>110.0</b>	63.8 <b>61.5</b> 59.2 <b>56.7</b>	8,550* 8,310* 8,090* 7,890*	95.0 100.0 105.0 110.0 115.0 120.0 125.0 130.0 135.0 140.0	61.5 <b>59.5</b> 57.5 <b>55.4</b> 53.1 <b>50.9</b> 48.6 <b>46.2</b> 43.6 <b>40.8</b> 37.9	10,950* 10,420* 9,940* 9,500* 9,080* 8,700* 8,370* 8,060* 7,780* 7,380	95.0 <b>100.0</b> 105.0 <b>110.0</b> 115.0 <b>120.0</b>	67.2 65.2 63.0 60.8 58.4 56.1	7,050° 6,830° 6,630° 6,430° 6,260° 6,100°
<b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b>	66.5 64.3 61.8 59.4 57.0 54.5 51.8 49.1 46.3 43.3 39.9 36.5	22,260 20,150 18,230 16,680 15,340 14,150 13,020 12,100 11,260 10,510 9,780 9,170	65.0 <b>70.0</b> 75.0 <b>80.0</b> 85.0 <b>90.0</b> 95.0	67.7 65.1 62.7 60.2 57.6 54.8	17,700* 17,040* 16,460* 15,650 14,440 13,270	80.0 85.0 90.0 95.0 100.0 105.0 115.0 120.0 125.0 130.0	<b>62.7</b> 60.5 <b>58.2</b> 55.7 <b>53.3</b> 50.8 <b>48.2</b> 45.3 <b>42.5</b> 39.4 <b>36.1</b>	16,880 15,520 14,320 13,200 12,250 11,410 10,640 9,920 9,300 8,730 8,200	<b>80.0</b> 85.0 <b>90.0</b> 95.0 <b>100.0</b> 105.0	66.9 64.6 62.2 59.7 57.1 54.5	11,940* 11,570* 11,220* 10,890* 10,600* 10,330*	90.0 95.0 100.0 105.0 115.0 120.0 125.0 130.0	58.9 <b>56.7</b> 54.5 <b>52.2</b> 49.6 <b>47.1</b> 44.5 <b>41.8</b> 38.8	12,890* 12,300* 11,530 10,780 10,030 9,390 8,810 8,280 7,800	95.0 <b>100.0</b> 105.0 <b>110.0</b>	63.8 <b>61.5</b> 59.2 <b>56.7</b>	8,550* 8,310* 8,090* 7,890*	95.0 100.0 105.0 110.0 115.0 125.0 130.0 135.0 140.0	61.5 <b>59.5</b> 57.5 <b>55.4</b> 53.1 <b>50.9</b> 48.6 <b>46.2</b> 43.6 <b>40.8</b> 37.9	10,950* 10,420* 9,940* 9,500* 9,080* 8,700* 8,370* 8,060* 7,780* 7,380 6,960	95.0 <b>100.0</b> 105.0 <b>110.0</b> 115.0 <b>120.0</b>	67.2 65.2 63.0 60.8 58.4 56.1	7,050° 6,830° 6,630° 6,430° 6,260° 6,100°

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

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## LIFTING CAPACITY



## **Fixed Jib Lifting Capacity**

Unit: Ibs

Counterweight: 69,000 lbs, Carbody weight: 31,700 lbs

	100	l Doo															,000 15	-, -,		.,		-,	
120' Boom           30 ft Jib         40 ft Jib         50 ft Jib         60 ft Jib           Offset Angle (deg.)         Offset Angle (deg.)         Offset Angle (deg.)         Offset Angle (deg.)																							
				lea.)						lea.)						lea.)			Offset Angle (deg.) 10 30				
	10			30			10			30			10		J - (-	30							
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
36.0	79.7	24,000*	(11)	(dog.)	(100)	40.0	79.9	24,000*	(11)	(dog.)	(150)	45.0	79.5	20,000*	(11)	(uog.)	(150)	50.0	78.9	18,000*	(11)	(dog.)	(100)
38.0	79.0	24,000*				45.0	78.1	24,000*				50.0	77.7	20,000*				55.0	77.2	18,000*			
40.0	78.2 <b>76.3</b>	24,000* <b>24,000</b> *	45.0	79.7	21,000*	50.0 <b>55.0</b>	76.2 <b>74.3</b>	24,000* <b>24,000</b> *	55.0	78.5	14,880*	55.0 <b>60.0</b>	75.9 <b>74.2</b>	20,000* <b>20,000</b> *	60.0	79.2	11,330*	60.0 <b>65.0</b>	75.5 <b>73.9</b>	17,720* <b>16,460</b> *	65.0	70.7	9,080*
<b>45.0</b> 50.0		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	<b>79.7</b> 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 <b>65.0</b>	70.2 <b>68.2</b>	24,000* <b>21,970</b>	60.0 <b>65.0</b>	73.5 <b>71.4</b>	19,680* <b>18,910</b> *	70.0 <b>75.0</b>	68.6 <b>66.5</b>	20,100 <b>18,160</b>	70.0 <b>75.0</b>	72.7 <b>70.6</b>	13,160* <b>12,670</b> *	75.0 <b>80.0</b>	68.7 <b>66.8</b>	16,840* <b>15,890</b> *	75.0 <b>80.0</b>	73.6 <b>71.7</b>	10,030* <b>9,670*</b>	80.0 <b>85.0</b>	68.7 <b>67.0</b>	13,550* <b>12,780</b> *	80.0 <b>85.0</b>	74.4 <b>72.6</b>	8,040* <b>7,730*</b>
70.0	66.1	19,860	70.0	69.3	18,180*	80.0	64.5	16,620	80.0	68.5	12,070	85.0	65.0	15,030*	85.0	69.7	9,340*	90.0	65.2	12,700	90.0	70.7	7,470*
75.0	63.9	17,940	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	9,060*	95.0	63.3	11,480*	95.0	68.7	7,230*
80.0 <b>85.0</b>		16,400 <b>15,050</b>	80.0 <b>85.0</b>	64.8 <b>62.6</b>	16,790 <b>15,410</b>	90.0 <b>95.0</b>	60.5 <b>58.2</b>	14,040 <b>12,910</b>	90.0 <b>95.0</b>	64.3 <b>62.0</b>	11,500* <b>11,170</b> *	95.0 <b>100.0</b>	61.0 <b>59.0</b>	13,050 <b>12,100</b>	95.0 <b>100.0</b>	65.6 <b>63.6</b>	8,770* <b>8,500</b> *	100.0 <b>105.0</b>	61.5 <b>59.6</b>	10,930* <b>10,420</b> *	100.0 <b>105.0</b>	66.8 <b>64.9</b>	7,010* <b>6,790</b> *
90.0	57.3	13,860	90.0	60.2	14,170	100.0	56.0	11,970	100.0	59.7	10,860*	105.0	57.0	11,260	105.0	61.4	8,280*	110.0	57.7	9,960*	110.0	62.9	6,610*
95.0	54.8	12,740	95.0	57.7	13,020	105.0	53.8	11,130	105.0	57.4	10,600*	110.0	54.9	10,490	110.0	59.3	8,060*	115.0	55.6	9,520*	115.0	60.7	6,410*
100.0 <b>105.0</b>	52.4 <b>49.9</b>	11,790 <b>10,950</b>	100.0 <b>105.0</b>	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 <b>115.0</b>	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 <b>120.0</b>	56.8 <b>54.5</b>	7,870* <b>7,690</b> *	120.0 <b>125.0</b>	53.6 <b>51.5</b>	9,140* <b>8,610</b>	120.0 <b>125.0</b>	58.6 <b>56.4</b>	6,260* <b>6,100*</b>
110.0		10,200	100.0	J£.U	11,170	120.0	46.5	8,990	113.0	32.3	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		9,470				125.0	43.8	8,420			A	130.0	45.6	8,000				135.0	47.1	7,580	135.0	51.7	5,860*
120.0 <b>125.0</b>	41.6 <b>38.5</b>	8,860 <b>8,280</b>				130.0 <b>135.0</b>	41.1 <b>38.1</b>	7,890 <b>7,420</b>				135.0 <b>140.0</b>	43.1 <b>40.3</b>	7,510 <b>7,030</b>			1	140.0 <b>145.0</b>	44.6 <b>42.2</b>	7,090 <b>6,670</b>			
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*								М		150.0	34.3	5,880*				155.0	36.8	5,730*			
										N								160.0	33.6	5,090*			
Ree	eves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1
	130	' Boc					$\Delta$		Ш							<u> </u>							
			ft Jib	log )					t Jib	/oa \	4	-		50 i Offset Ar	ft Jib	log \					ft Jib	log )	
	10	Offset An	igie (u	eg.) 30			10	Offset An	yie (u	<i>30</i>	$\vdash$		10		igie (u	30 30			10	Offset Ar	igie (u	30 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) 38.0	(deg.) 79.7	(lbs) 24,000*	(ft)	(deg.)	(lbs)	(ft) 45.0	(deg.) 78.8	(lbs) 24,000*	(ft)	(deg.)	(lbs)	(ft) 45.0	(deg.) 80.0	(lbs) 20,000*	(ft)	(deg.)	(lbs)	(ft) 50.0	(deg.) 79.5	(lbs) 18,000*	(ft)	(deg.)	(lbs)
40.0	<b>79.</b> 7	<b>24,000</b> *				<b>50.0</b>	77.1	<b>24,000</b> *		1		50.0	<b>78.4</b>	20,000*				<b>55.0</b>	77.9	18,000*			
45.0	77.1	24,000*	50.0	70.5	04 000+	55.0	75.2	24,000*	55.0	79.3	15,100*	55.0	76.7	20,000*		70.0	44 400+	60.0	76.3	18,000*			
<b>50.0</b> 55.0		<b>24,000*</b> 24,000*	<b>50.0</b> 55.0		<b>21,000*</b> 20,980*	<b>60.0</b> 65.0		<b>24,000*</b> 22,000	<b>60.0</b> 65.0	<b>77.5</b> 75.7	<b>14,500*</b> 13,930*	<b>60.0</b> 65.0	<b>75.1</b> 73.4	<b>20,000*</b> 20,000*		<b>79.9</b> 78.2		<b>65.0</b> 70.0		<b>17,100*</b> 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 <b>70.0</b>	69.6 <b>67.7</b>	21,730 <b>19,620</b>	65.0 <b>70.0</b>	72.7 <b>70.7</b>	19,350* <b>18,650</b> *	75.0 <b>80.0</b>		17,920 <b>16,350</b>	75.0 <b>80.0</b>	71.8 <b>69.9</b>	12,940* <b>12,520</b> *	75.0 <b>80.0</b>	69.9 <b>68.2</b>	17,570* <b>16,530</b>	75.0 <b>80.0</b>	74.6 <b>72.8</b>	10,200* <b>9,850</b> *	80.0 <b>85.0</b>	69.9 <b>68.3</b>	14,100* <b>13,330</b> *	80.0 <b>85.0</b>	75.3 <b>73.6</b>	8,170* <b>7,890</b> *
75.0	65.6	17,680	75.0	68.6	17,960*	85.0	64.3	14,990	85.0	68.0	12,140*	85.0	66.5	15,160	85.0	71.0	9,540*	90.0	66.6	12,630*	90.0	71.9	7,620*
<b>80.0</b> 85.0		<b>16,130</b> 14,790	<b>80.0</b> 85.0	<b>66.6</b> 64.5	<b>16,600</b> 15,180	<b>90.0</b> 95.0	1	<b>13,800</b> 12,650	<b>90.0</b> 95.0	<b>66.1</b> 63.9	<b>11,770*</b> 11,440*	<b>90.0</b> 95.0	<b>64.7</b> 62.8	<b>13,950</b> 12,800	<b>90.0</b> 95.0	<b>69.2</b> 67.2	<b>9,230*</b> 8,950*	<b>95.0</b> 100.0	<b>64.8</b> 63.1	<b>11,970*</b> 11,410*	<b>95.0</b> 100.0	<b>70.0</b> 68.3	<b>7,360*</b> 7,140*
	59.6	13,600	90.0	<b>62.4</b>	13,950	100.0		11,700	100.0		11,130*	100.0		11,860	100.0	65.3	8,700*	105.0		10,890*	105.0	66.5	6,940*
95.0		12,470	95.0	60.1	12,780	105.0		10,860	105.0	59.8	10,860*	105.0	59.1	11,000	105.0	63.4	8,480*	110.0	59.6	10,310	110.0	64.6	6,740*
100.0 105.0	<b>55.2</b> 52.9	<b>11,530</b> 10,690	<b>100.0</b> 105.0	<b>57.9</b> 55.6	<b>11,810</b> 10,950	<b>110.0</b> 115.0		<b>10,090</b> 9,360	<b>110.0</b> 115.0	<b>57.6</b> 55.2	<b>10,420</b> 9,650	<b>110.0</b> 115.0		<b>10,220</b> 9,470	<b>110.0</b> 115.0	<b>61.4</b> 59.2	<b>8,260*</b> 8,040*	<b>115.0</b> 120.0		<b>9,560</b> 8,920	<b>115.0</b> 120.0	<b>62.6</b> 60.7	<b>6,560*</b> 6,390*
110.0		9,940	110.0	53.2	10,160	120.0	49.7	8,730	120.0	52.9	8,990	120.0	53.1	8,840	120.0	57.1	7,870*	125.0	54.0	8,350	125.0	58.7	6,230*
			1	Ì		125.0		8,150 <b>7,620</b>				125.0 <b>130.0</b>	51.0 <b>48.8</b>	8,260 <b>7,730</b>	125.0 <b>130.0</b>	54.9 <b>52.6</b>	7,710* <b>7,560</b> *	130.0 <b>135.0</b>		7,820 <b>7,310</b>	130.0 135.0	56.6 <b>54.5</b>	6,100* <b>5,970*</b>
120.0	48.1	9,210 <b>8.570</b>				130.0	45.0	1.020	1		1			,		1 -2.0	.,,,,,,,,,					J4.3	
125.0	48.1 <b>45.6</b> 43.0	<b>8,570</b> 8,020				<b>130.0</b> 135.0	42.5	7,140				135.0		7,250				140.0	47.8	6,830	140.0	52.2	5,860*
125.0 <b>130.0</b>	48.1 <b>45.6</b> 43.0 <b>40.2</b>	<b>8,570</b> 8,020 <b>7,490</b>				135.0 <b>140.0</b>	42.5 <b>39.6</b>	7,140 <b>6,670</b>				140.0	44.1	6,760				145.0	47.8 <b>45.6</b>	6,830 <b>6,410</b>			
125.0	48.1 45.6 43.0 40.2 37.3	<b>8,570</b> 8,020				135.0	42.5 <b>39.6</b> 36.8	7,140					<b>44.1</b> 41.7						47.8 <b>45.6</b> 43.3	6,830			
125.0 <b>130.0</b> 135.0	48.1 45.6 43.0 40.2 37.3	<b>8,570</b> 8,020 <b>7,490</b> 6,940*				135.0 <b>140.0</b> 145.0	42.5 <b>39.6</b> 36.8	7,140 <b>6,670</b> 6,040*				<b>140.0</b> 145.0 <b>150.0</b> 155.0	<b>44.1</b> 41.7 <b>39.1</b> 36.3	<b>6,760</b> 6,340 <b>5,860*</b> 5,260*				<b>145.0</b> 150.0 <b>155.0</b> 160.0	47.8 45.6 43.3 41.0 38.3	6,830 <b>6,410</b> 6,040 <b>5,620*</b> 5,040*			
125.0 <b>130.0</b> 135.0	48.1 45.6 43.0 40.2 37.3	<b>8,570</b> 8,020 <b>7,490</b> 6,940*				135.0 <b>140.0</b> 145.0	42.5 <b>39.6</b> 36.8	7,140 <b>6,670</b> 6,040*				140.0 145.0 150.0	<b>44.1</b> 41.7 <b>39.1</b> 36.3	<b>6,760</b> 6,340 <b>5,860*</b>				<b>145.0</b> 150.0 <b>155.0</b>	47.8 45.6 43.3 41.0 38.3 35.6	6,830 <b>6,410</b> 6,040 <b>5,620</b> *			

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



## **Fixed Jib Lifting Capacity**

Unit: Ibs

Counterweight: 69,000 lbs, Carbody weight: 31,700 lbs

	140	' Boo	m																				
	30 ft Jib 40 ft Jib 50 ft Jib 60 ft Jib Offset Angle (deg.) Offset Angle (deg.) Offset Angle (deg.)																						
	C	Offset An	gle (a	leg.)			C	Offset An	gle (d	leg.)			C	Offset An	igle (a	eg.)			C	Offset An	gle (a	leg.)	
	10			30			10	1		30			10			30			10			30	
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
40.0 <b>45.0</b> 50.0 <b>55.0</b>	79.6 <b>77.9</b> 76.2 <b>74.4</b>	24,000* 24,000* 24,000* 24,000*	50.0 <b>55.0</b>	79.2 <b>77.4</b>	21,000* <b>21,000</b> *	45.0 <b>50.0</b> 55.0 <b>60.0</b>	79.4 <b>77.8</b> 76.1 <b>74.4</b>	24,000* 24,000* 24,000* 24,000*	55.0 <b>60.0</b>	79.9 <b>78.2</b>	15,320* <b>14,720</b> *	50.0 <b>55.0</b> 60.0 <b>65.0</b>	79.1 <b>77.4</b> 75.9 <b>74.3</b>	20,000* 20,000* 20,000* 20,000*	65.0	78.8	11,170*	55.0 <b>60.0</b> 65.0 <b>70.0</b>	78.5 <b>77.0</b> 75.6 <b>74.1</b>	18,000* 18,000* 17,700* 16,570*	70.0	79.3	8,950*
60.0 <b>65.0</b>	72.6 <b>70.9</b>	23,980 <b>21,450</b>	60.0 <b>65.0</b>	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 <b>75.0</b>	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 <b>80.0</b>	77.7 <b>76.1</b>	8,590* <b>8,310</b> *
70.0 <b>75.0</b> 80.0	69.1 <b>67.2</b> 65.3	19,330 <b>17,390</b> 15,850	70.0 <b>75.0</b> 80.0	72.0 <b>70.0</b> 68.1	19,060* <b>17,940</b> 16,330	75.0 <b>80.0</b> 85.0	69.3 <b>67.6</b> 65.9	17,650 <b>16,090</b> 14,720	75.0 <b>80.0</b> 85.0	72.9 <b>71.2</b> 69.4	13,180* <b>12,760*</b> 12,380*	<b>85.0</b> 90.0	69.4 <b>67.8</b> 66.2	16,260 <b>14,880</b> 13,660	<b>85.0</b> 90.0	73.8 <b>72.1</b> 70.4	10,030* <b>9,720*</b> 9,430*	90.0 95.0	69.4 <b>67.9</b> 66.2	13,840* 13,130* 12,450*	90.0 95.0	74.5 <b>72.9</b> 71.2	8,020* <b>7,760*</b> 7,510*
<b>85.0</b> 90.0	<b>63.5</b> 61.6	<b>14,480</b> 13,290	<b>85.0</b> 90.0	<b>66.2</b> 64.3	<b>14,940</b> 13,690	<b>90.0</b> 95.0	<b>64.1</b> 62.2	<b>13,510</b> 12,360	<b>90.0</b> 95.0	67.6	<b>12,030*</b> 11,680*	<b>95.0</b> 100.0	<b>64.4</b> 62.7	<b>12,520</b> 11,570	<b>95.0</b> 100.0	<b>68.6</b> 66.8	<b>9,430</b> <b>9,120</b> * 8,880*	100.0 105.0	<b>64.6</b> 63.0	<b>11,680</b> 10,820	100.0 105.0	<b>69.5</b> 67.8	<b>7,270*</b> 7,070*
<b>95.0</b> 100.0	<b>59.5</b> 57.5	<b>12,160</b> 11,220	<b>95.0</b> 100.0	<b>62.2</b> 60.1	<b>12,540</b> 11,550	<b>100.0</b> 105.0	<b>60.3</b> 58.5	<b>11,410</b> 10,580	<b>100.0</b> 105.0	<b>63.7</b> 61.8	<b>11,370*</b> 10,970	<b>105.0</b> 110.0	<b>60.9</b> 59.2	<b>10,710</b> 9,940	<b>105.0</b> 110.0	<b>65.0</b> 63.2	<b>8,660*</b> 8,440*	<b>110.0</b> 115.0	<b>61.4</b> 59.6	<b>10,050</b> 9,300	<b>110.0</b> 115.0	<b>66.1</b> 64.3	<b>6,870*</b> 6,700*
<b>105.0</b> 110.0	<b>55.5</b> 53.4	<b>10,380</b> 9,630	<b>105.0</b> 110.0	<b>58.1</b> 55.9	<b>10,690</b> 9,890	<b>110.0</b> 115.0	<b>56.6</b> 54.5	<b>9,810</b> 9,060	<b>110.0</b> 115.0	<b>59.8</b> 57.6	<b>10,180</b> 9,410	<b>115.0</b> 120.0	<b>57.3</b> 55.4	<b>9,190</b> 8,550	<b>115.0</b> 120.0	<b>61.2</b> 59.3	<b>8,220*</b> 8,040*	<b>120.0</b> 125.0	<b>57.9</b> 56.1	<b>8,660</b> 8,060	<b>120.0</b> 125.0	<b>62.5</b> 60.7	<b>6,520*</b> 6,370*
115.0 120.0 125.0	<b>51.1</b> 48.9 <b>46.6</b>	<b>8,900</b> 8,260 <b>7,690</b>	<b>115.0</b> 120.0	<b>53.5</b> 51.3	<b>9,120</b> 8,480	<b>120.0</b> 125.0 <b>130.0</b>	<b>52.5</b> 50.4 <b>48.2</b>	<b>8,420</b> 7,840 <b>7,310</b>	<b>120.0</b> 125.0	<b>55.5</b> 53.4	<b>8,730</b> 8,130	<b>125.0</b> 130.0 <b>135.0</b>	<b>53.5</b> 51.6 <b>49.5</b>	<b>7,980</b> 7,450 <b>6,940</b>	<b>125.0</b> 130.0 <b>135.0</b>	<b>57.3</b> 55.3 <b>53.1</b>	<b>7,870*</b> 7,710* <b>7,250</b>	130.0 135.0 140.0	<b>54.3</b> 52.5 <b>50.5</b>	<b>7,530</b> 7,030 <b>6,540</b>	130.0 135.0 140.0	<b>58.8</b> 56.9 <b>54.7</b>	<b>6,230*</b> 6,100* <b>5,970*</b>
130.0 13 <b>5.0</b>	<b>44.2 41.7</b>	7,180 <b>6,700</b>				135.0 140.0	46.2 46.0 <b>43.5</b>	6,830 <b>6,370</b>		4		140.0 145.0	<b>49.3</b> 47.3 <b>45.1</b>	6,450 <b>6,040</b>	133.0	33.1	1,200	145.0 150.0	48.5 46.5	6,120 <b>5,730</b>	145.0	52.7	5,860*
140.0 <b>145.0</b>	38.8 <b>36.0</b>	6,060* <b>5,400</b> *				145.0 <b>150.0</b>	41.1 38.5	5,880* <b>5,290</b> *	4			150.0 <b>155.0</b>	42.9 <b>40.5</b>	5,640* <b>5,090</b> *				155.0 <b>160.0</b>	44.4 <b>42.0</b>	5,350* <b>4,820</b> *			
150.0	32.9	4,760*				155.0 <b>160.0</b>	35.7 <b>32.5</b>	4,690* <b>4,070</b> *				160.0 <b>165.0</b> 170.0	37.8 <b>35.1</b> 32.2	4,540* <b>4,010*</b> 3,500*				165.0 <b>170.0</b> 175.0	39.7 <b>37.3</b> 34.7	4,340* <b>3,880</b> * 3,410*			
Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1

	150	' Boo	m																				
30 ft Jib 40 ft Jib														50 t	ft Jib					60 t	t Jib		
	C	offset An	gle (a	leg.)			C	offset An	gle (d	leg.)	7			Offset An	igle (a	leg.)			C	offset An	gle (a	leg.)	
	10			30			10			30			10			30			10			30	
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
45.0 <b>50.0</b> 55.0 <b>60.0</b>	78.6 <b>77.0</b> 75.3 <b>73.6</b>	24,000* <b>24,000*</b> 24,000* <b>23,800</b>	<b>50.0</b> 55.0 <b>60.0</b>	<b>79.9</b> 78.1 <b>76.4</b>	<b>21,000*</b> 21,000* <b>20,890*</b>	45.0 <b>50.0</b> 55.0 <b>60.0</b>	80.0 <b>78.5</b> 76.8 <b>75.3</b>	24,000* 24,000* 24,000* 24,000*	60.0		14,920*	50.0 <b>55.0</b> 60.0 <b>65.0</b>	79.6 <b>78.1</b> 76.6 <b>75.1</b>	20,000* 20,000* 20,000* 20,000*	65.0	79.4	11,330*	55.0 <b>60.0</b> 65.0 <b>70.0</b>	79.1 77.7 76.3 74.9	18,000* 18,000* 18,000* 17,120*	70.0	79.9	9,060*
65.0 <b>70.0</b> 75.0	72.0 <b>70.3</b> 68.5	21,270 <b>19,150</b> 17,210	65.0 <b>70.0</b> 75.0	74.8 <b>73.1</b> 71.2	20,150* <b>19,440</b> * 17,810	65.0 <b>70.0</b> 75.0	73.7 <b>72.1</b> 70.5	21,580 <b>19,420</b> 17,480	65.0 <b>70.0</b> 75.0	77.3 <b>75.7</b> 73.9	14,390* <b>13,910*</b> 13.420*	70.0 <b>75.0</b> 80.0	73.7 <b>72.1</b> 70.5	19,640 <b>17,680</b> 16.090	70.0 <b>75.0</b> 80.0	77.9 <b>76.3</b> 74.7	10,930* 10,530* 10,200*	75.0 <b>80.0</b> 85.0	73.4 <b>71.9</b> 70.5	16,040* <b>15,160*</b> 14,350*	75.0 <b>80.0</b> 85.0	78.3 <b>76.8</b> 75.3	8,700* <b>8,420*</b> 8.130*
<b>80.0</b> 85.0 <b>90.0</b>	<b>66.8</b> 65.1 <b>63.3</b>	<b>15,670</b> 14,300 <b>13,110</b>	<b>80.0</b> 85.0 <b>90.0</b>	<b>69.5</b> 67.7 <b>65.9</b>	<b>16,200</b> 14,790 <b>13,530</b>	<b>80.0</b> 85.0 <b>90.0</b>	<b>68.8</b> 67.2 <b>65.6</b>	<b>15,890</b> 14,520 <b>13,310</b>	<b>80.0</b> 85.0 <b>90.0</b>	<b>72.3</b> 70.6	<b>13,000*</b> 12,630* <b>12,270*</b>	<b>85.0</b> 90.0 <b>95.0</b>	<b>69.0</b> 67.5 <b>65.8</b>	<b>14,700</b> 13,490 <b>12,340</b>	<b>85.0</b> 90.0 <b>95.0</b>	<b>73.1</b> 71.5 <b>69.8</b>	9,870* 9,590* 9,300*	<b>90.0</b> 95.0 <b>100.0</b>	<b>69.0</b> 67.4 <b>65.9</b>	<b>13,620</b> 12,450 <b>11,500</b>	<b>90.0</b> 95.0 <b>100.0</b>	<b>73.8</b> 72.2 <b>70.6</b>	<b>7,890*</b> 7,620* <b>7,400*</b>
95.0 <b>100.0</b>	61.4 <b>59.6</b>	11,990 <b>11,040</b>	95.0 <b>100.0</b>	63.9 <b>62.1</b>	12,360 <b>11,390</b>	95.0 <b>100.0</b>	63.8 <b>62.1</b>	12,190 <b>11,240</b>	95.0 <b>100.0</b>	67.1 <b>65.3</b>	11,920* <b>11,610</b> *	100.0 <b>105.0</b>	64.2 <b>62.6</b>	11,390 <b>10,530</b>	100.0 <b>105.0</b>	68.2 <b>66.5</b>	9,060* <b>8,810</b> *	105.0 110.0	64.4 <b>62.9</b>	10,640 <b>9,850</b>	105.0 <b>110.0</b>	69.1 <b>67.5</b>	7,200* <b>7,010</b> *
105.0 110.0 115.0	57.7 <b>55.8</b> 53.7	10,200 <b>9,430</b> 8,700	105.0 110.0 115.0	<b>58.2</b> 56.1	10,510 <b>9,720</b> 8,970	105.0 110.0 115.0	<b>58.6</b> 56.7	10,380 <b>9,610</b> 8,860	105.0 110.0 115.0	<b>61.7</b> 59.7	10,820 <b>10,030</b> 9,230	110.0 115.0 120.0	60.9 <b>59.1</b> 57.4	9,760 <b>9,010</b> 8,370	110.0 115.0 120.0	64.8 <b>62.9</b> 61.2	8,590* <b>8,390</b> * 8,200*	115.0 <b>120.0</b> 125.0	<b>59.6</b> 58.0	9,100 <b>8,460</b> 7,870	115.0 120.0 125.0	65.7 <b>64.1</b> 62.4	6,830* <b>6,650*</b> 6,500*
<b>120.0</b> 125.0 <b>130.0</b>	<b>51.7</b> 49.6 <b>47.5</b>	<b>8,090</b> 7,510 <b>6,980</b>	<b>120.0</b> 125.0	<b>54.0</b> 51.8	<b>8,310</b> 7,710	120.0 125.0 130.0	<b>54.8</b> 52.9 <b>51.0</b>	<b>8,240</b> 7,670 <b>7,140</b>	120.0 125.0 130.0	<b>57.8</b> 55.8 <b>53.8</b>	<b>8,570</b> 7,950 <b>7,400</b>	<b>125.0</b> 130.0 <b>135.0</b>	<b>55.7</b> 53.9 <b>52.0</b>	<b>7,780</b> 7,250 <b>6,740</b>	125.0 130.0 135.0	<b>59.3</b> 57.5 <b>55.6</b>	<b>8,020*</b> 7,620 <b>7,090</b>	130.0 135.0 140.0	<b>56.3</b> 54.6 <b>52.8</b>	<b>7,340</b> 6,830 <b>6,340</b>	130.0 135.0 140.0	<b>60.7</b> 58.9 <b>57.0</b>	<b>6,370*</b> 6,210* <b>6,080*</b>
135.0 <b>140.0</b> 145.0	45.3 <b>42.8</b> 40.3	6,500 <b>6,010*</b> 5,420*				135.0 140.0 145.0	49.0 <b>46.7</b> 44.6	6,630 <b>6,170</b> 5,750				140.0 145.0 150.0	50.0 <b>48.1</b> 46.0	6,260 <b>5,840</b> 5,460	140.0	53.4	6,590	145.0 150.0 155.0	51.0 <b>49.2</b> 47.3	5,930 <b>5,530</b> 5,150*	145.0 <b>150.0</b>	55.1 <b>53.1</b>	5,970* <b>5,880</b>
<b>150.0</b> 155.0 <b>160.0</b>	<b>37.8</b> 35.0 <b>31.8</b>	<b>4,820*</b> 4,250* <b>3,650*</b>				150.0 155.0 160.0 165.0	<b>42.3</b> 39.9 <b>37.3</b> 34.6	<b>5,220*</b> 4,690* <b>4,140*</b> 3,610*				<b>155.0</b> 160.0 <b>165.0</b> 170.0	<b>43.9</b> 41.6 <b>39.3</b> 36.8	<b>4,980*</b> 4,450* <b>3,990*</b> 3,520*				160.0 165.0 170.0 175.0	<b>45.2</b> 43.1 <b>41.0</b> 38.7	<b>4,670*</b> 4,230* <b>3,790*</b> 3,370*			
						100.0	34.0	3,010				175.0	34.2	3,060*				175.0	30.7	3,370			
Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	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. Refer to notes P10.

#### LIFTING CAPACITY



#### **Fixed Jib Lifting Capacity**

Unit: lbs

Counterweight: 69,000 lbs, Carbody weight: 31,700 lbs

	160	' Boc	m																				
		30 1	ft Jib					40 f	t Jib					50 i	ft Jib						ft Jib		
	С	Offset An	gle (a	leg.)			C	Offset An	gle (d	leg.)			С	Offset Ar	ngle (c	leg.)			C	Offset Ar	igle (d	leg.)	
	10			30	)		10			30			10			30			10			30	
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
45.0	79.2	24,000*				50.0	79.0	24,000*				55.0	78.7	20,000*				55.0	79.6	18,000*			
50.0	77.7	24,000*				55.0	77.5	24,000*				60.0	77.3	20,000*				60.0	78.3	18,000*			
55.0	76.1	24,000*	55.0	78.8	21,000*	60.0	76.0	24,000*	60.0	79.5	15,120*	65.0	75.9	20,000*	65.0	80.0	11,440*	65.0	76.9	18,000*			
60.0	74.5	23,720	60.0	77.2	21,000*	65.0	74.6	21,470	65.0	78.0	14,590*	70.0	74.5	19,530	70.0	78.5	11,060*	70.0	75.6	17,650*	70.0	80.4	9,140*
65.0	73.0	21,180	65.0	75.6	20,500*	70.0	73.1	19,310	70.0	76.4	14,100*	75.0	72.9	17,570	75.0	77.0	10,670*	75.0	74.1	16,570*	75.0	78.9	8,810*
70.0	71.4	19,040	70.0	74.0	19,730	75.0	71.5	17,370	75.0	74.8	13,640*	80.0	71.5	15,980	80.0	75.5	10,330*	80.0	72.8	15,670*	80.0	77.5	8,530*
75.0	69.7	17,100	75.0	72.3	17,720	80.0	70.0	15,780	80.0	73.2	13,220*	85.0	70.1	14,590	85.0	74.0	10,030*	85.0	71.4	14,700	85.0	76.1	8,240*
80.0	68.1	15,540	80.0	70.7	<b>16,090</b> 14,680	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 <b>90.0</b>	0 64.8 12,980 90.0 67.3 13					90.0 <b>95.0</b>	66.9 <b>65.2</b>	13,200 <b>12,050</b>	90.0 <b>95.0</b>	70.1 <b>68.4</b>	12,500* <b>12,140</b> *	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	0 63.0 11,860 95.0 65.5 12					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	7,330
100.0	61.3	10,910	100.0	63.8	12,270 <b>11,280</b>	105.0	<b>62.0</b>	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	59.6	10,070	105.0	62.0	10,400	110.0	60.4	9,470	110.0	63.4	9,920	115.0	60.8	8,860	115.0	64.5	8,550*	115.0	62.7	8,970	115.0	67.0	6,940*
110.0	57.9	9,300	110.0	60.2	9,610	115.0	58.6	8,730	115.0	61.5	9,120	120.0	59.2	8,220	120.0	62.8	8,350*	120.0	61.2	8,310	120.0	65.5	6,790*
115.0	55.9	8,550	115.0	58.2	8,840	120.0	56.9	8,090	120.0	59.8	8,460	125.0	57.6	7,620	125.0	61.1	8,090	125.0	59.7	7,730	125.0	63.9	6,610*
120.0	54.1	7,930	120.0	56.3	8,200	125.0	55.1	7,510	125.0	58.0	7,840	130.0	55.9	7,090	130.0	59.4	7,510	130.0	58.1	7,180	130.0	62.3	6,480*
125.0	52.2	7,360	125.0	54.4	7,580	130.0	53.3	6,960	130.0	56.1	7,270	135.0	54.2	6,590	135.0	57.6	6,980	135.0	56.5	6,670	135.0	60.7	6,340*
130.0	50.2	6,830	130.0	52.4	7,030	135.0	51.5	6,480	135.0	54.2	6,760	140.0	52.4	6,100	140.0	55.7	6,450	140.0	54.8	6,190	140.0	58.9	6,210*
135.0	48.2	6,320				140.0	49.5	5,990	140.0	52.1	6,260	145.0	50.6	5,680	145.0	53.8	5,990	145.0	53.2	5,770	145.0	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	43.9	5,310*				150.0	45.5	5,090*				155.0	46.8	4,800*				155.0	49.7	4,960*	155.0	53.5	5,350
150.0	41.6	4,760*				155.0	43.4	4,580*				160.0	44.7	4,320*				160.0	47.8	4,490*	160.0	51.5	4,960
155.0	39.2	4,230*				160.0	41.1	4,050*				165.0	42.7	3,880*				165.0 170.0	46.0	4,050*			
<b>160.0</b> 165.0	<b>36.6</b> 33.9	<b>3,680*</b> 3,170*				<b>165.0</b> 170.0	<b>38.7</b> 36.3	<b>3,590*</b> 3,100*				<b>170.0</b> 175.0	<b>40.6</b> 38.3	<b>3,430*</b> 3,020*				175.0	<b>44.1</b> 42.1	<b>3,650*</b> 3,240*			
		-	D		_						-		_		8		1			-			
Ree		1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	) I	Ree	ves	1	Ree	eves	1
	170	' Boc					_	10.1						50	Ct 1'1'					00	(1 1°1.		
		30 1 Offset An	ft Jib nale (o	lea )				40 t Offset An	t Jib	lea )	4-		- 0	offset Ar	ft Jib	lea )				ou 1 Offset Ar	ft Jib nale (a	dea )	
	10		9,0 (0	30	)		10		910 (0	30			10	HOUL AL	1910 (0	30			10		9,0 (0	30 30	
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
45.0	79.8	24,000*	1/	(3')	()	50.0	79.6	24,000*	1.7	(==3.)	(1.2.5)	55.0	79.2	20,000*	1.7	(3')	()	55.0	80.0	18,000*	1.7	(3.)	(1.2.2)
50.0	<b>78.3</b>	<b>24,000</b> *				<b>55.0</b>	<b>78.1</b>	24,000*				60.0	77.9	20,000*				60.0	78.8	18,000*			
55.0	76.8	24,000*	55.0	79.4	21,000*	60.0	76.7	23,800	60.0	80.0	15,290*	65.0	76.5	20,000*				65.0	77.5	18,000*			
60.0	75.3	23,500	60.0	77.9	21,000*	65.0	75.3	21,250	65.0	78.6	14,770*	70.0		19,310	70.0	79.1	11,170*	70.0	76.2	18,000*			
65.0	73.8	20,940	65.0	76.4	20,830*	70.0		19,090	70.0	77.1	14,300*	75.0	1	17,350	75.0	77.6	10,800*	75.0	74.9	17,080*	75.0	79.4	8,900*
70.0	72.4	18,820	70.0	74.9	19,530	75.0	72.4	17,150	75.0	75.6	13,840*	80.0	1	15,760	80.0	76.2	10,490*	80.0	73.6	15,890	80.0	78.1	8,610*
75.0	70.8	16,880	75.0	73.2	17,520	80.0	71.0	15,560	80.0	74.1	13,420*	85.0	71.0	14,370	85.0	74.8	10,180*	85.0	72.3	14,500	85.0	76.7	8,350*
80.0	69.3	15,320	80.0	71.7	15,890	85.0	69.5	14,170	85.0	72.6	13,050*	90.0	69.6	13,130	90.0	73.4	9,890*	90.0	71.0	13,270	90.0	75.4	8,110*

8,610 8,6803 9.810 105.0 636 10 200 9 230 110 0 64 8 9,720 65.8 8,730 68 2 110 0 61 9 115.0 62.3 115.0 115 0 64 0 115.0 7 050\* 9,060 110.0 61.9 9,390 115.0 60.3 8,480 115.0 63.1 8,920 120.0 60.8 7,980 120.0 64.3 8,500 120.0 62.6 8,090 120.0 66.7 6,900\* 8,310 115.0 60.1 8,610 120.0 58.7 7,840 120.0 61.5 8,240 125.0 59.3 7,400 125.0 62.7 7,890 125.0 61.1 7,490 125.0 65.2 6,740\* 6,850 7,670 120.0 58.3 7.980 125.0 57.0 7,270 125.0 59.8 7,640 130.0 57.7 130.0 61.1 7,310 130.0 59.7 6.940 130.0 63.7 6.590\* 7,090 125.0 56.5 7,360 130.0 55.4 6,720 130.0 58.1 7,070 135.0 56.1 6,340 135.0 59.5 6,760 135.0 58.2 6,450 135.0 62.2 6,450\* 54.7 135.0 53.7 56.3 140.0 54.4 5,860 140.0 140.0 56.6 140.0 6,300\* 6.560 130.0 6,810 6,230 135.0 6,540 57.7 6.260 5.950 60.5 6,080 52.8 140.0 5,750 140.0 145.0 5,440 145.0 145.0 145.0 5,970 135.0 6,300 51.8 54.4 6,040 52.8 56.0 5,790 55.1 5,530 58.9 51.1 5,590 145.0 50.1 5,290\* 145.0 52.6 5,590 150.0 4,960\* 150.0 54.2 5,370 150.0 53.5 5,0703 150.0 57.3 5,550 5.040\* 150.0 48.2 4.780\* 155.0 49.3 4.490\* 52.4 4,930 155.0 51.9 4.620\* 155.0 55.6 5.150 155.0 4,540\* 155.0 46.3 4,320\* 160.0 47.4 4,030\* 160.0 50.1 4,160\* 160.0 53.8 4,670\* 3.810\* 4 030\* 160.0 44 2 165.0 456 3 610 165.0 48.5 3 760\* 165.0 520 4,250\* 3,520\* 165.0 42.2 3,370\* 170.0 43.7 3,190\* 170.0 46.7 3,3703 3,040\* 1 Reeves Reeves Reeves Reeves Reeves 1 1 Reeves 1 Reeves 1 1

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

85.0 67.7

90.0 66.2

95 0 64 5

105.0

110.0 59.7

115.0 57.9

125.0 54.4

135.0 50.8

145.0 46.8

155.0

160.0 40.4

100.0 62.9

120.0 56.2

130.0 52.6

140.0 48.8

150.0 44.8

165.0 38.1

Reeves

427

61.3

13,950

12,740

11.610

10,670

85.0 70.1

90.0 68.6

95.0 66.9

100.0 65.2

14,480

13,240

12 050

11,080

90.0 68.1

95.0 66.5

100.0 65.0

105.0 63.5

12,960

11,810

10,860

10,000

90.0 71.1

95.0 69.5

100.0

105.0 66.4

68.0

12,690\*

12,360\*

11 440

10,530

95.0 68.2

100.0 66.7

105.0 65.3

110.0 63.9

11,990

11,020

10.160

9,390

95.0 71.9

100.0 70.4

105.0

110.0 67.4

68.9

9,610

9,360\*

9 120

8,900\*

95.0 69.5

105.0

100.0 68.2

110.0 65.5

66.8

12,100

11,150

10.270

9,470

95.0 73.9

100.0 72.5

105.0

110.0 69.7

71 1

7,870\*

**7,640**\* 7.450\*

7,250\*



## **Fixed Jib Lifting Capacity**

Unit: lbs

Counterweight: 69,000 lbs, Carbody weight: 31,700 lbs

Color   Colo		180	' Boc	m																				
10   30   30   10   30   30   10   30   3									40 t	t Jib					50	ft Jib					60 t	t Jib		
Links   March   Arges   Land   Seep   Red   Arges   Seep   Red   Arges   Seep   Red   Arges   Seep   Red   Arges   Seep   Red   Seep		0	Offset An	gle (a	leg.)				Offset An	gle (c	leg.)			С	Offset Ar	igle (a	leg.)			С	Offset An	gle (a	leg.)	
Riging   Load   Riging   Load   Riging   Load   Riging	Load		Datad	Load			Load		Datad	Load			Load		Patad	Load			Load			Load		Datad
Sect   1.50	Radius	Angle	Load	Radius	Angle	Load	Radius	Angle	Load	Radius	Angle	Load	Radius	Angle	Load	Radius	Angle	Load	Radius	Angle	Load	Radius	Angle	Load
600   760   27.307   600   765   28.707   68.0   76.0   28.707   68.0   77.1   28.007   77.0   78.0   18.0007   70.0   73.2   18.508   70.0   75.0   74.0   77.0   77.0   78.0   18.0007   75.0   79.0   8.0007   70.0   73.2   18.000   70.0   76.0   76.0   18.000   70.0   76.0   76.0   18.000   70.0   76.0   76.0   18.000   70.0   76.0				(11)	(uog.)	(100)			. ,	(1.5)	(aog.)	(120)				(11)	(409.)	(120)				(1.)	(409.)	(120)
5.60   7.61   20.700   6.50   7.71   2.500   7.00   7.61   18.940   7.00   7.71   14.960   7.00   7.50   7.50   7.92   9.990   7.70   7.71   16.500   7.00   7.61   17.300   8.00   7.9   19.200   7.9   19.200   8.00   7.9   19.200   8.00   7.9   19.200   7.9   19.200   8.00   7.9   19.200   8.00   7.9   19.200   7.9   19.200   7.9   19.200   8.00   7.9   19.200									,						1 '									
700   72   18.560   70.0   76.6   18.310   75.0   76.2   18.890   75.0   75.1   18.290   80.0   75.0   74.5   17.100   75.0   74.2   18.290   80.0   75.0   76.0   74.0   18.290   80.0   75.0   76.0   74.0   18.290   80.0   75.0   76.0   74.0   18.290   80.0   75.0   76.0   74.0   18.290   80.0   76.0									l '	l		,			1	70.0	70.6	11 200*	1			75.0	70.0	0.000*
75.0   77.0   16.00   76.0   76.0   77.0						1 '			1 '	l								1 '			1 '	l		,
80.0   R3.0   R										l .					1 -							l		,
9.00   6.7	80.0	70.3		80.0	72.6	15,670	85.0	70.5		85.0	73.5		85.0	71.9	1	85.0	75.5		90.0	71.8		90.0	76.0	
9.50 68.5 17.30 9.50 0.00 67.5 17.30 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0									1 '									1 '				l		,
1000   6.3   0.380   1000   6.5   0.780   1050   6.6   0.780   1050   6.6   0.780   0.50   6.6   0.780   0.50   6.6   0.700   0.50   6.6   0.700   0.500   0.700   0.66   0.700   0.66   0.700   0.66   0.700																		1 '			1	l		
195.0   62.8   9.40   195.0   62.0   9.40   110.0   63.1   9.70   110.0   63.1   9.70   110.0   63.5   9.70   110.0   9.70   110									1 '			,			,							l		,
115.0   38.0   8.02   115.0   61.7   8.77   17.0   125.0   60.3   7.580   120.0   60.3   7.580   120.0   60.3   7.580   120.0   60.3   7.580   120.0   60.3   7.70   120.0   62.0   120.0   120.0   62.0   120.0															· '							l		
1200   580   7,380   1200   610   7,770   1250   581   6,980   1250   614   7,380   1250   685   6,700   1300   526   6,700   1300   526   6,700   1300   526   6,500   1300   526   6,700   1300   526   6,500   1300   526   6,700   1350   536   6,500   1350						1 '							4									l		
1250						1 '			1 '									1 '	1		1 '	l .		,
1300   54,7   6,280   1300   58,8   6,540   1300   58,8   6,540   1300   58,0   5,570   1400   51,2   5,180   1400   51,2   5,180   1400   51,2   5,180   1400   51,2   5,180   1400   51,2   5,180   1400   51,2   5,180   1400   51,2   5,180   1400   51,2   5,180   1400   51,2   5,180   1400   51,3   5,480   1450   55,3   4,820   1500   50,4   4,700   1500   50,4   4,700   1500   50,5   4,700   4,700   1500   50,5   4,700   1500   50,5   4,700   1500   50,5									l '	l .								1 '	1					
135.0   3.0   5.770   135.0   5.0									1 '	l .					1 1							l		,
1450   49,4   4,650°   45,0   51,3   4,960°   45,0   51,0   50,0   48,9   3,920°   50,0   48,9   3,460°   50,0   48,9   3,460°   50,0   48,9   3,460°   50,0   48,9   3,460°   50,0   48,9   3,460°   50,0   48,9   3,460°   50,0   48,9   3,460°   50,0   52,7   4,70°   50,0   52,7   4,70°   50,0   52,7   4,70°   50,0   52,0   3,760°   160,0   52,4   3,80°   50,0   52,0   3,760°   50,0   52,1   3,80°   50,0   52,0   3,760°   50,0   52,0   3,760°   50,0   52,0   3,760°   50,0   52,0   3,760°   50,0   52,0   3,760°   50,0   52,0   3,80°   50,0   52		53.0			55.0			53.9		140.0	56.4		140.0	56.2	5,510*	140.0	59.4		145.0	56.8		145.0	60.5	
15.00   47.6   4.160°   4.50°						l '													1					
155.0 45.7 3,680° 160.0 43.6 3,210°				145.0	51.3	4,960*			1 '	150.0	53.0	4,760*						,				l		,
Reeves   1   Ree																								
190   Boom   30 ft Jib																-	02.7	1,010	10010	00.0	0,070			,
190   Boom   30 ft Jib							1															l .		-,
Column   C	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	eves	1	Ree	ves	17	Ree	ves	1	Ree	ves	1	Ree	ves	
The color of the					ves	1	Ree	ves	1	Ree	eves	1	Ree	ves	17	Ree	ves	1	Ree	ves	1	Ree	ves	
			' Boo	m	eves	1	Ree	ves			eves	1	Ree	eves	1		ves	1	Ree	ves			eves	
Radius   Angle   Load   Radius   Angle   (lbs)   Radius   Angle   (lb		190	' Boc	m ft Jib		1	Ree		40 1	t Jib	<u></u>	1	Ree		50	ft Jib		1	Ree		60 1	t Jib		
(b)		<b>190</b>	' Boc	m ft Jib	leg.)		Ree	C	40 1	t Jib	leg.)	1	Ree	C	1 50 offset Ar	ft Jib	leg.)		Ree	C	60 t	t Jib	leg.)	
55.0         78.0         19.020*         G.0.         79.0         18,560*         G.0.         77.9         18,560*         G.0.         77.9         18,560*         G.0.         77.7         18,00*         77.7         18,00*         77.7         17,760*         70.0         77.4         17,590*         70.0         77.4         17,590*         70.0         77.4         17,590*         70.0         77.4         17,590*         70.0         77.4         17,590*         70.0         77.4         17,590*         70.0         77.4         17,590*         70.0         78.0         71.0         77.0         77.0         77.0         77.0         77.0         77.0         77.0         77.0         77.0         77.0         77.0         77.0         77.0         77.0         78.7         11,040*         78.0         79.0         78.7         17,780*         80.0         79.0         78.7         11,040*         80.0         79.0         71.2         14,850         80.0         73.5         15,200         80.0         78.5         13,800*         85.0         78.7         11,040*         79.0         78.5         17,960*         85.0         79.1         8,500*         85.0         78.5         13,800* <t< td=""><td>Load</td><td>190 10 Boom</td><td>30 to</td><td>ft Jib gle (a</td><td>leg.) 30 Boom</td><td>Rated</td><td>Load</td><td>C 10 Boom</td><td>40 f</td><td>ft Jib gle (c</td><td>deg.) 30 Boom</td><td>Rated</td><td>Load</td><td>C 10 Boom</td><td>50 i</td><td>ft Jib ngle (a</td><td>leg.) 30 Boom</td><td>Rated</td><td>Load</td><td>C 10 Boom</td><td>60 f</td><td>ft Jib gle (a</td><td>leg.) 30</td><td>1 Rated</td></t<>	Load	190 10 Boom	30 to	ft Jib gle (a	leg.) 30 Boom	Rated	Load	C 10 Boom	40 f	ft Jib gle (c	deg.) 30 Boom	Rated	Load	C 10 Boom	50 i	ft Jib ngle (a	leg.) 30 Boom	Rated	Load	C 10 Boom	60 f	ft Jib gle (a	leg.) 30	1 Rated
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   75.2   16,930   75.0   75.0   75.0   75.0   75.0   76.1   17,080°   70.0   77.4   17,590°   70.0   77.4   17,590°   70.0   77.4   17,590°   70.0   77.0	Load Radius	190  O  10  Boom Angle	30 to 200 Bated Rated Load	t Jib gle (a Load Radius	leg.) 30 Boom Angle	Rated Load	Load Radius	10 Boom Angle	40 t Offset An Rated Load (lbs)	ft Jib gle (d Load Radius	deg.) 30 Boom Angle	Rated Load	Load Radius	Boom Angle (deg.)	50 a Offset Ar Rated Load	ft Jib ngle (a Load Radius	leg.) 30 Boom Angle	Rated Load	Load Radius	10 Boom Angle (deg.)	60 f Offset An	ft Jib gle (a Load Radius	leg.) 30 Boom Angle	1 Rated Load
65.0         75.4         18,250*         65.0         77.7         17,870*         70.0         75.4         17,810*         70.0         76.0	Load Radius (ft) 50.0	190 10 Boom Angle (deg.) 79.4	30 to	t Jib gle (a Load Radius	leg.) 30 Boom Angle	Rated Load	Load Radius (ft)	CO 10 Boom Angle (deg.) 79.2	A0 f Offset And Rated Load (lbs) 18,950*	ft Jib gle (d Load Radius	deg.) 30 Boom Angle	Rated Load	Load Radius (ft) 60.0	Doom Angle (deg.)	50 a Diffset Ar  Rated Load (lbs) 18,470*	ft Jib ngle (a Load Radius	leg.) 30 Boom Angle	Rated Load	Load Radius (ft) 60.0	CO 10 Boom Angle (deg.) 79.7	Rated Load (lbs)	ft Jib gle (a Load Radius	leg.) 30 Boom Angle	1 Rated Load
75.0         72.6         16,420         75.0         74.9         17,150         80.0         72.7         15,120         80.0         75.6         13,800*         85.0         72.7         13,930         85.0         72.7         13,930*         85.0         72.2         10,420*         85.0         73.8         14,060         85.0         77.9         8,550*           80.0         71.2         14,850         80.0         73.5         15,520         85.0         71.4         13,730*         85.0         72.7         13,930*         85.0         70.1         11,600*         90.0         72.6         12,830         90.0         76.6         8,310*           85.0         69.9         13,490         85.0         72.1         14,080         90.0         70.1         12,520         90.0         70.1         11,550         95.0         71.3         11,660*         90.0         72.7         13,900*         95.0         70.1         11,500         95.0         71.3         11,660*         90.0         72.7         11,040         105.0         66.7         9,720         105.0         66.8         9,830         105.0         72.8         7,450*           100.0         65.0         10,200<	Load Radius (ft) 50.0 <b>55.0</b>	190 10 Boom Angle (deg.) 79.4 78.0	30 to	t Jib gle (a Load Radius (ft)	30 Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft) 55.0 <b>60.0</b>	79.2 77.9	### Application	t Jib gle (c Load Radius (ft)	30 Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft) 60.0 <b>65.0</b>	78.9 77.7	1 50 offset Ar Rated Load (lbs) 18,470* 18,070*	ft Jib ngle (a Load Radius	leg.) 30 Boom Angle	Rated Load	Load Radius (ft) 60.0 <b>65.0</b>	79.7 78.5	60 f Offset And Rated Load (lbs) 18,000* 17,960*	ft Jib gle (a Load Radius	leg.) 30 Boom Angle	1 Rated Load
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 74.4 12,690 90.0 74.9 10,160* 90.0 72.6 12,830 90.0 76.6 8,310* 85.0 69.9 13,490 85.0 72.1 14,080 90.0 70.1 12,520 90.0 70.1 12,520 90.0 70.1 11,550 95.0 70.1 11,550 95.0 70.1 11,550 95.0 70.1 11,680 95.0 75.3 8,060* 90.0 68.5 12,270 90.0 70.7 12,850 95.0 68.7 11,370 95.0 71.5 12,050 100.0 68.8 10,580 100.0 72.2 9,630* 100.0 70.1 10,710 100.0 74.1 7,840* 95.0 67.0 11,150 95.0 68.2 11,660 100.0 67.3 10,420 100.0 70.1 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 65.6 10,200 100.0 67.7 10,670 105.0 66.0 9,540 105.0 68.7 10,140 110.0 62.7 8,570 110.0 62.7 8,570 110.0 62.7 8,570 110.0 62.7 8,570 115.0 63.1 8,020 115.0 63.1 8,020 115.0 63.1 8,020 115.0 63.1 8,020 115.0 63.1 8,020 115.0 63.1 8,020 115.0 63.1 8,020 115.0 63.1 8,020 120.0 61.7 7,380 125.0 60.1 6,790 120.0 61.7 7,380 125.0 60.1 6,790 125.0 60.3 6,790 125.0 60.1 6,940 130.0 58.8 6,190* 135.0 59.4 6,680 135.0 59.4 6,300* 135.0 55.0 5,460* 135.0 55.2 5,200* 140.0 55.2 5,200* 140.0 55.2 5,200* 140.0 55.2 5,200* 145.0 54.2 4,580* 145.0 56.6 4,980* 150.0 55.0 4,250* 150.0 57.9 4,730* 150.0 57.9 4,730* 150.0 57.9 4,340* 150.0 60.5 4,930*	Load Radius (ft) 50.0 55.0 60.0 65.0	79.4 76.7 75.4	Rated Load (lbs) 19,440* 19,020* 18,620* 18,250*	ft Jib gle (a Load Radius (ft) 60.0 65.0	Jeg.) 30 Boom Angle (deg.) 79.0 77.7	Rated Load (lbs)  18,250* 17,870*	Load Radius (ft) 55.0 60.0 65.0 70.0	79.2 76.6	## Add to add (lbs)    Rated Load (lbs)	Load Radius (ft)	30 Boom Angle (deg.) 79.6 78.3	Rated Load (lbs) 15,100* 14,660*	Load Radius (ft) 60.0 65.0 70.0 75.0	78.9 76.5 75.2	750 Diffset Arr Rated Load (lbs) 18,470* 18,070* 17,700* 16,930	ft Jib ngle (on Load Radius (ft)	Jeg.) 30 Boom Angle (deg.) 78.7	Rated Load (lbs)	Load Radius (ft) 60.0 65.0 70.0 75.0	79.7 78.5 77.4 76.1	60 f Offset An Diffset An Rated Load (lbs) 18,000* 17,960* 17,590* 17,080	ft Jib gle (a Load Radius	leg.) 30 Boom Angle	Rated Load (lbs)
85.0         69.9         13,490         85.0         72.1         14,080         90.0         70.1         12,520         90.0         72.9         13,090*         95.0         70.1         11,550         95.0         73.5         9,870*         95.0         71.3         11,680         95.0         75.3         8,060*           90.0         68.5         12,270         90.0         70.7         12,850         95.0         68.7         11,370         95.0         70.1         11,500         95.0         70.1         10,710         100.0         72.2         9,630*         100.0         70.1         10,710         100.0         74.1         7,840*           95.0         67.0         11,150         95.0         68.2         10,660         100.0         67.3         10,140         110.0         66.2         8,980         105.0         70.9         9,410*         105.0         68.8         9,830         105.0         72.8         7,640*           105.0         64.1         9,340         105.0         66.3         9,780         110.0         64.6         8,770         110.0         64.8         8,700         115.0         68.1         8,000         115.0         68.8         8,970	Load Radius (ft) 50.0 <b>55.0</b> 60.0 <b>65.0</b> 70.0	79.4 78.0 76.7 75.4 74.0	30 to	t Jib gle (a Load Radius (ft)  60.0 65.0 70.0	79.0 76.3	Rated Load (lbs)  18,250* 17,870* 17,520*	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0	79.2 76.6 75.4 74.0	### April 19	Load Radius (ft) 65.0 70.0 75.0	30 Boom Angle (deg.) 79.6 78.3 76.9	Rated Load (lbs)  15,100* 14,660* 14,190*	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0	78.9 76.5 75.2 73.9	70 50 30 50 50 50 50 50 50 50 50 50 50 50 50 50	tt Jib ogle (o Load Radius (ft)  75.0 80.0	78.7	Rated Load (lbs)  11,040* 10,730*	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0	79.7 78.5 77.4 76.1	60 f Offset An Rated Load (lbs) 18,000* 17,960* 17,590* 15,470	Et Jib  gle (or  Load Radius (ft)	Jeg.) 30 Boom Angle (deg.)	Rated Load (lbs)
90.0 68.5 12,270 90.0 70.7 12,850 95.0 68.7 11,370 95.0 71.5 12,050 100.0 68.8 10,580 100.0 72.2 9,630* 100.0 70.1 10,710 100.0 74.1 7,840* 95.0 67.0 11,150 95.0 69.2 11,660 100.0 67.3 10,420 100.0 70.1 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 65.6 10,200 100.0 67.7 10,670 105.0 66.0 9,540 105.0 68.7 10,140 110.0 66.2 8,920 110.0 69.6 9,190* 110.0 67.6 9,030 110.0 71.5 7,450* 105.0 64.1 9,340 105.0 66.3 9,780 110.0 64.6 8,770 110.0 67.3 9,320 115.0 64.8 8,170 115.0 68.1 8,810 115.0 66.3 8,260* 115.0 70.2 7,270* 110.0 62.7 8,570 110.0 62.7 8,570 110.0 62.7 8,570 110.0 62.7 8,570 120.0 65.3 7,510 120.0 65.3 7,510 120.0 65.3 7,490 125.0 63.7 6,940* 120.0 65.0 59.6 7,200 120.0 61.7 7,530 125.0 60.3 6,790 125.0 62.9 7,230 130.0 60.8 6,300* 130.0 63.9 6,870* 130.0 62.4 6,370* 130.0 66.2 6,790* 125.0 63.1 130.0 68.8 6,300* 130.0 68.9 6,300* 130.0 68.8 6,300* 130.0 68.9 6,300* 130.0 68.8 6,300* 130.0 68.9 6,300* 130.0 68.9 6,300* 130.0 68.9 6,300* 130.0 68.9 6,700* 130.0	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0	79.4 78.0 76.7 75.4 74.0 72.6	Rated Load (lbs) 19,440* 19,020* 18,620* 17,870* 16,420	Et Jib ogle (a Radius (ft) 60.0 65.0 70.0 75.0	79.0 76.3 74.9	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0	79.2 76.6 75.4 74.0	### And It American Control	Load Radius (ft)  65.0 70.0 75.0 80.0	79.6 76.9 75.6	Rated Load (lbs)  15,100* 14,660* 14,190* 13,800*	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0	78.9 76.5 75.2 73.9 72.7	70 50 60 60 60 60 60 60 60 60 60 60 60 60 60	To Jib Load Radius (ft)  75.0 80.0 85.0	78.7 77.5 76.2	Rated Load (lbs)  11,040* 10,730* 10,420*	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0	79.7 78.5 77.4 76.1 73.8	Rated Load (lbs) 18,000* 17,960* 17,590* 15,470 14,060	Load Radius (ft)	30 Boom Angle (deg.) 79.1 77.9	Rated Load (lbs)  8,790* 8,550*
100.0 65.6 10,200 100.0 67.7 10,670 105.0 66.0 9,540 105.0 68.7 10,670 105.0 66.3 9,780 110.0 64.6 8,770 110.0 67.3 9,320 115.0 64.8 8,170 115.0 68.1 8,810 115.0 66.3 8,260* 115.0 68.9 7,090* 115.0 68.1 115.0 68.1 8,810 115.0 66.3 8,260* 115.0 68.9 7,090* 115.0 68.1 115.0 68	Load Radius (ft) 50.0 <b>55.0</b> 60.0 <b>65.0</b> 70.0 <b>75.0</b> 80.0	190 10 Boom Angle (deg.) 79.4 78.0 76.7 75.4 74.0 72.6 71.2	Rated Load (lbs) 19,440* 19,020* 18,620* 17,870* 16,420 14,850	Et Jib gle (a Load Radius (ft) 60.0 65.0 70.0 75.0 80.0	79.0 77.7 76.3 74.9	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150 15,520	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0	79.2 76.6 75.4 74.0 72.7	### April 19	Load Radius (ft) 65.0 70.0 75.0 80.0 85.0	79.6 76.9 74.3	Rated Load (lbs)  15,100* 14,660* 14,190* 13,800* 13,420*	Load Radius (ft) 60.0 <b>65.0</b> 70.0 <b>75.0</b> 80.0 <b>85.0</b> 90.0	78.9 76.5 75.2 73.9 71.4	70 50 60 60 60 60 60 60 60 60 60 60 60 60 60	75.0 80.0 85.0 90.0	78.7 77.5 76.2	Rated Load (lbs)  11,040* 10,730* 10,420* 10,160*	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6	Rated Load (lbs) 18,000* 17,960* 17,080 15,470 14,060 12,830	Load Radius (ft)  80.0  85.0  90.0	79.1 77.9 76.6	Rated Load (lbs)  8,790* 8,550* 8,310*
105.0 64.1 9,340 105.0 66.3 9,780 110.0 64.8 8,970 115.0 64.8 8,770 115.0 64.8 8,770 115.0 64.8 8,770 115.0 64.8 8,770 115.0 65.1 11	Load Radius (ft) 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	190 10 Boom Angle (deg.) 79.4 78.0 76.7 75.4 74.0 72.6 71.2 69.9 68.5	Rated Load (lbs) 19,440* 19,020* 18,620* 17,870* 16,420 14,850 13,490 12,270	ft Jib gle (a Load Radius (ft)  60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.0 77.7 76.3 74.9 73.5 72.1	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 70.1 68.7	Rated Load (lbs) 18,950* 18,160* 17,810* 16,710 15,120 13,730 12,520 11,370	Et Jib egle (Control of the second of the se	79.6 78.3 76.9 75.6 74.3 72.9 71.5	Rated Load (lbs)  15,100* 14,660* 14,190* 13,800* 13,420* 13,090* 12,050	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	78.9 76.5 75.2 73.9 72.7 71.4 70.1 68.8	Rated Load (lbs) 18,470* 18,070* 16,930 12,690 11,550 10,580	75.0 80.0 85.0 90.0 95.0	78.7 77.5 76.2 74.9 72.2	Rated Load (lbs)  11,040* 10,730* 10,420* 10,160* 9,870* 9,630*	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 71.3 70.1	Rated Load (lbs) 18,000* 17,960* 17,080 15,470 14,060 12,830 11,680 10,710	Et Jib gle (a Load Radius (ft) 80.0 85.0 90.0 95.0 100.0	79.1 77.9 76.6 75.3	Rated Load (lbs)  8,790* 8,550* 8,310* 8,060* 7,840*
110.0 62.7 8,570 110.0 64.8 8,970 115.0 63.1 8,020 115.0 65.8 8,530 120.0 63.5 7,510 120.0 66.7 8,130 120.0 65.0 7,580* 120.0 68.9 7,090* 115.0 61.1 7,840 115.0 63.2 8,200 120.0 61.7 7,380 120.0 64.3 7,840 125.0 62.1 6,900* 125.0 65.3 7,490 125.0 63.7 6,940* 125.0 67.5 6,940* 125.0 58.1 6,630 125.0 60.1 6,940 130.0 58.8 6,190* 130.0 61.4 6,650 135.0 59.4 5,750* 135.0 62.5 6,300* 135.0 62.5 6,300* 135.0 62.5 6,300* 135.0 55.0 5,460* 135.0 55.0 5,460* 135.0 55.2 5,200* 140.0 55.2 5,200* 140.0 55.2 5,200* 145.0 54.2 4,580* 145.0 56.6 4,980* 150.0 55.0 5,400* 150.0 57.9 4,250* 150.0 57.9 4,730* 150.0 56.9 4,340* 150.0 60.5 4,930*	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	79.4 78.0 76.7 75.4 74.0 72.6 71.2 69.9 68.5 67.0	Rated Load (lbs) 19,440* 19,020* 18,620* 18,250* 17,870* 16,420 14,850 13,490 12,270 11,150	ft Jib gle (a Load Radius (ft)  60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	79.0 77.7 76.3 74.9 73.5 72.1 70.7 69.2	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 11,660	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 70.1 68.7 67.3	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810* 16,710 15,120 13,730 12,520 11,370 10,420	65.0 70.0 75.0 85.0 95.0 100.0	79.6 78.3 76.9 75.6 74.3 72.9 71.5 70.1	Rated Load (lbs)  15,100* 14,660* 14,190* 13,800* 13,420* 13,090* 12,050 11,040	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	78.9 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5	8,470* 18,470* 18,470* 17,700* 16,930 12,690 11,550 10,580 9,720	75.0 80.0 90.0 90.0 90.0 100.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9	Rated Load (lbs)  11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410*	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 71.3 70.1 68.8	Rated Load (lbs) 18,000* 17,960* 17,760* 15,470 14,060 12,830 11,680 10,710 9,830	Et Jib  gle (a  Load Radius (ft)  80.0  85.0  90.0  95.0  100.0  105.0	79.1 77.9 76.6 75.3 74.1 72.8	Rated Load (lbs)  8,790* 8,550* 8,310* 8,060* 7,840* 7,640*
120.0 59.6 7,200 120.0 61.7 7,530 125.0 60.3 6,790 125.0 62.9 7,230 130.0 60.8 6,300* 130.0 63.9 6,870* 130.0 62.4 6,370* 130.0 66.2 6,400* 130.0 58.8 6,190* 130.0 58.8 6,190* 130.0 58.8 6,190* 130.0 58.8 6,190* 130.0 58.8 6,190* 130.0 58.8 6,190* 130.0 58.8 6,190* 130.0 58.8 6,190* 130.0 58.8 6,190* 130.0 58.8 6,190* 130.0 58.8 6,190* 130.0 58.8 6,190* 130.0 58.8 6,190* 130.0 58.8 5,790* 140.0 58.8 5,790	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0 80.0 85.0 90.0 95.0 100.0	79.4 78.0 79.4 78.0 76.7 75.4 74.0 72.6 71.2 69.9 68.5 67.0 65.6	Rated Load (lbs) 19,440* 19,020* 18,620* 16,420 14,850 13,490 12,270 11,150 10,200	Et Jib gle (a Radius (ft) 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0	79.0 77.7 76.3 74.9 73.5 72.1 70.7 69.2 67.7	Rated Load (lbs)  18,250* 17,870* 17,520* 15,520 14,080 12,850 11,660 10,670	Load Radius (ft) 55.0 60.0 65.0 70.0 80.0 85.0 90.0 95.0 100.0	79.2 79.2 77.9 76.6 75.4 70.1 68.7 67.3 66.0	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810* 16,710 15,120 11,370 10,420 9,540	Et Jib gle (c Load Radius (ft) 65.0 70.0 85.0 95.0 95.0 100.0 105.0	79.6 75.6 76.9 77.5 76.9 76.9 76.9 76.9 76.9 76.9	15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140	Load Radius (ft) 60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0	78.9 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 66.2	Rated Load (lbs) 18,470* 18,070* 17,700* 15,320 13,930 12,690 11,550 10,580 9,720 8,920	75.0 80.0 85.0 90.0 95.0 100.0 110.0	78.7 77.5 76.2 74.9 70.9 69.6	Rated Load (lbs)  11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190*	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 91.00.0 105.0 110.0	CC 100 Boom Angle (deg.) 79.7 78.5 77.4 76.1 74.9 73.8 72.6 71.3 70.1 68.8 67.6	Rated Load (lbs) 18,000* 17,960* 17,760* 17,4060 15,470 14,060 10,710 9,830 9,030	Et Jib gle (a Load Radius (ft) 80.0 85.0 90.0 95.0 100.0 110.0 110.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5	Rated Load (ibs)  8,790* 8,550* 8,310* 8,060* 7,640* 7,450*
125.0   58.1   6,630   125.0   60.1   6,940   130.0   58.8   6,190*   130.0   61.4   6,650   135.0   59.4   5,750*   135.0   62.5   6,300*   135.0   61.1   5,820*   135.0   64.8   6,480*   130.0   56.6   6,040*   130.0   58.5   6,370   135.0   57.4   5,640*   135.0   59.9   6,080*   140.0   57.9   5,200*   140.0   60.9   5,730*   140.0   59.7   5,260*   140.0   63.4   5,900*   140.0   53.3   4,890*   140.0   55.2   5,220*   145.0   55.2   5,220*   145.0   54.2   4,580*   145.0   56.6   4,980*   150.0   55.0   5,200*   150.0   57.9   4,730*   150.0   56.9   4,340*   150.0   60.5   4,930*   150.0   15	Load Radius (ft) 50.0 55.0 60.0 65.0 75.0 80.0 90.0 95.0 100.0	79.4 78.0 76.7 75.4 74.0 68.5 67.0 65.6 64.1 62.7	Rated Load (lbs) 19,440* 19,020* 18,620* 17,870* 16,420 14,850 13,490 12,270 11,150 10,200 9,340	Control of the contro	79.0 77.7 76.3 74.9 70.7 69.2 67.7 66.3 64.8	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 10,670 9,780 8,970	Load Radius (ft) 65.0 60.0 65.0 75.0 80.0 85.0 99.0 100.0 110.0 115.0	79.2 75.4 74.0 72.1 66.7 66.0 64.6 63.1	Rated Load (lbs) 18,950* 18,950* 18,560* 18,160* 17,810* 16,710 15,120 11,370 10,420 9,540 8,770 8,020	Load Radius (ft)  65.0  70.0  80.0  95.0  100.0  110.0  115.0	79.6 78.3 76.9 75.6 76.3 76.9 77.6 68.7 65.8	15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140 9,320	Load Radius (ft) 60.0 65.0 70.0 85.0 95.0 100.0 115.0 120.0	CC 100 Boom Angle (deg.) 78.9 77.7 76.5 75.2 72.7 70.1 68.8 67.5 66.2 64.8 63.5	750 in 50 in	75.0 80.0 95.0 100.0 115.0 120.0	78.7 77.5 76.2 70.9 69.6 68.1 66.7	Rated Load (lbs)  11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190* 8,810	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 90.0 100.0 110.0 115.0 120.0	CC 100 Boom Angle (deg.) 79.7 78.5 77.4 76.1 74.9 73.8 67.6 66.3 65.0	Rated Load (lbs) 18,000* 17,960* 17,590* 17,080 15,470 14,060 12,830 10,710 9,830 9,030 8,260* 7,580*	80.0 85.0 95.0 100.0 110.0 115.0 120.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5	Rated Load (lbs)  8,790* 8,550* 8,310* 7,840* 7,640* 7,450* 7,270* 7,090*
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 5,200* 140.0 59.7 5,200* 140.0 63.4 5,900* 140.0 53.3 4,890* 140.0 55.2 5,220* 145.0 55.2 5,220* 145.0 54.2 4,580* 145.0 56.6 4,980* 150.0 55.0 4,250* 150.0 57.9 4,730* 150.0 56.9 4,340* 150.0 60.5 4,930*	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0 80.0 85.0 99.0 105.0 110.0 115.0	79.4 78.0 79.4 78.0 76.7 75.4 74.0 72.6 69.9 68.5 67.0 66.1 62.7 61.1	Rated Load (flbs)  19,440* 19,020* 18,620* 18,620* 16,420 14,450 13,490 12,270 11,150 10,200 9,340 8,570 7,840	Control of the contro	79.0 77.7 76.3 74.9 70.7 69.2 67.7 66.3 64.8	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 10,6670 9,780 8,970 8,200	Load Radius (ft) 55.0 60.0 65.0 75.0 80.0 85.0 90.0 90.0 100.0 115.0 120.0 120.0	79.2 75.4 70.1 68.7 70.1 68.7 66.0 64.6 63.1 61.7	## Act of Load (lbs)  ## Rated Load (lbs)  18,950** 18,560** 18,160** 17,810** 16,710* 15,120* 11,370* 11,370* 11,370* 10,420* 9,540* 8,770* 8,020* 7,380*	Load Radius (ft)  65.0  70.0  75.0  80.0  85.0  90.0  100.0  110.0  115.0  120.0	79.6 78.3 76.9 75.6 74.3 72.9 71.5 67.3 65.8 64.3	15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140 9,320 8,530 7,840	Load Radius (ft) 60.0 65.0 70.0 85.0 90.0 95.0 105.0 115.0 120.0 125.0	77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 64.8 63.5 62.1	750 in 50 in	75.0 80.0 95.0 105.0 115.0 125.0 125.0	78.7 77.5 76.2 74.9 70.9 68.1 66.7 65.3	Rated Load (lbs)  11,040* 10,730* 10,420* 10,160* 9,630* 9,410* 9,190* 8,810 8,130 7,490	Load Radius (ft) (60.0 65.0 70.0 85.0 90.0 95.0 105.0 115.0 120.0 125.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 71.3 70.1 66.8 66.3 65.0 63.7	### Rated Load (lbs)   18,000*   17,960*   17,590*   17,080   15,470   14,060   12,830   10,710   9,830   9,030   8,260*   7,580*   6,940*   1,094	80.0 85.0 95.0 100.0 115.0 120.0 125.0	79.1 77.9 76.6 75.3 70.2 68.9 67.5	Rated Load (lbs)  8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,270* 7,090* 6,940*
<b>135.0 55.0 5,460* 135.0 56.9 5,790* 140.0 55.8 5,790* 140.0 55.8 5,790* 145.0 56.8 5,790* 145.0 56.8 4,710* 145.0 57.</b>	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0 80.0 90.0 90.0 105.0 110.0 115.0 120.0	70.0 CC 100 Boom Angle (deg.) 79.4 78.0 75.4 74.0 72.6 69.9 68.5 67.0 66.1 62.7 61.1 59.6	Rated Load (lbs) 19,440* 19,020* 18,620* 16,420 14,850 12,270 11,150 9,340 8,570 7,840 7,200	Control of the contro	79.0 77.7 76.3 74.9 73.5 72.1 70.7 66.3 64.8 63.2 61.7	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 10,670 9,780 8,970 8,200 7,530	Load Radius (ft) 60.0 65.0 70.0 85.0 95.0 100.0 115.0 125.0 125.0	70.1 68.7 71.4 70.1 68.7 66.3 66.6 63.1 61.7 60.3	## Action	65.0 (ft) 65.0 80.0 95.0 110.0 115.0 125.0 125.0	79.6 78.3 76.9 71.5 70.1 65.8 64.3 62.9	Rated Load (lbs)  15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 9,320 8,530 7,840 7,230	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 120.0 125.0 130.0	77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 64.8 63.5 62.1 60.8	750 a Diffset Arr  Rated Load (lbs)  18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690 11,550 10,580 9,720 8,920 8,170 7,510 6,900* 6,300*	75.0 80.0 95.0 100.0 115.0 125.0 130.0	78.7 77.5 76.2 74.9 70.9 668.1 66.7 65.3 63.9	### Rated Load (lbs)  11,040* 10,730* 10,420* 10,160* 9,870* 9,410* 8,810 8,130 7,490 6,870*	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 1120.0 125.0 130.0	78.5 77.4 76.1 74.9 73.8 72.6 71.3 70.1 68.8 66.3 65.0 63.7 62.4	### Rated Load (lbs)   18,000*   17,960*   17,590*   17,080   15,470   14,060   12,830   10,710   9,830   9,030   8,260*   7,580*   6,940*   6,370*	80.0 85.0 99.0 95.0 100.0 115.0 120.0 130.0	79.1 77.9 76.6 75.3 74.1 72.8 70.2 68.9 67.5 66.2	Rated Load (lbs)  8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,270* 7,090* 6,940* 6,790*
	Load Radius (ft) 50.0 65.0 60.0 65.0 77.0 80.0 85.0 90.0 90.0 110.0 115.0 120.0	79.0 70.0 80.0 70.4 78.0 76.7 75.4 74.0 72.6 67.0 65.6 67.0 65.0 64.1 62.7 61.1 59.6 58.1	Rated Load (lbs) 19,440* 19,020* 18,620* 16,420 14,850 12,270 11,150 10,200 9,340 8,570 7,200 6,630	Control of the state of the sta	79.0 77.7 76.3 74.9 73.5 72.1 70.7 66.3 64.8 63.2 61.7 60.1	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 10,670 9,780 8,970 8,970 8,200 7,530 6,940	Load Radius (t) 55.0 66.0 65.0 70.0 85.0 95.0 100.0 115.0 125.0 130.0 130.0 130.0	77.9 76.6 75.4 70.1 68.7 66.0 64.6 63.1 61.7 60.3 58.8	## Act of Control of C	65.0 (ft) 65.0 (80.0 (90	79.6 78.3 76.9 71.5 70.1 68.7 66.8 64.3 62.9 61.4	Rated Load (lbs)  15,100* 14,660* 14,190* 13,800* 13,420* 13,090* 12,050 11,040 9,320 8,530 7,840 7,230 6,650	Load Radius (ft) 60.0 65.0 70.0 85.0 90.0 95.0 100.0 125.0 125.0 130.0 135.0	77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 66.5 66.8 63.5 62.1 60.8 59.4	750 a Diffset Arr Rated Load (lbs) 18,470* 17,700* 16,930 15,320 10,580 9,720 8,920 8,170 7,510 6,900* 6,300* 5,750*	75.0 80.0 95.0 100.0 115.0 125.0 135.0 135.0	78.7 77.5 76.2 74.9 70.9 668.1 66.7 65.3 63.9 62.5	### Rated Load (lbs)  11,040* 10,730* 10,420* 10,160* 9,670* 9,410* 9,190* 8,810 8,130 7,490 6,870* 6,300*	Load Radius (ft) 66.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 125.0 135.0 135.0	79.7 78.5 77.4 76.1 74.9 73.8 70.1 68.8 66.3 65.0 63.7 62.4 61.1	### Rated Load (lbs) 17,590* 17,080 15,470 14,060 12,830 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,370* 5,820*	80.0 85.0 99.0 99.0 100.0 110.0 125.0 130.0 135.0	79.1 77.9 76.6 75.3 74.1 72.8 70.2 68.9 67.5 66.2 64.8	Rated Load (lbs)  8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,270* 7,270* 6,940* 6,790* 6,480*
	Load Radius (ft) 50.0 <b>55.0 66.0 65.0 70.0 80.0 85.0 90.0 95.0 105.0 115.0 120.0 130.0 135.0</b>	76.7 (65.6 (64.1 (55.0 (	Rated Load (lbs) 19,440* 19,020* 18,620* 17,870* 16,420 14,850 12,270 11,150 10,200 9,340 8,570 7,840 7,200 6,630 6,040* 5,460*	Ft Jib gle (a Radius (ft)    60.0   65.0   70.0   85.0   90.0   95.0   110.0   115.0   125.0   130.0   135.0   135.0	79.0 77.7 76.3 74.9 73.5 72.1 70.7 66.3 64.8 63.2 61.7 60.1 58.5 56.9	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 10,670 9,780 8,970 8,200 7,530 6,940 6,370 5,790*	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 85.0 95.0 100.0 115.0 125.0 125.0 135.0 140.0 140.0	CC 100 Boom Angle (deg.) 77.9 76.6 75.4 74.0 72.7 71.4 68.7 66.0 64.6 63.1 61.7 60.3 58.8 57.4 55.8	## Action	Load Radius (ft)  65.0 70.0 75.0 80.0 85.0 90.0 105.0 115.0 125.0 135.0 140.0	79.6 78.3 76.9 71.5 70.1 68.7 767.3 62.9 61.4 59.9 58.2	Rated Load (lbs)  15,100* 14,660* 14,190* 13,800* 13,420* 13,090* 12,050 11,040 9,320 8,530 7,840 7,230 6,650 6,080* 5,510*	Load Radius (ft) 60.0 65.0 70.0 85.0 90.0 95.0 110.0 125.0 130.0 135.0 140.0 145.0	77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 66.2 64.8 63.5 63.5 60.8 59.4 57.9 56.4	750 a 20 a	75.0 80.0 85.0 90.0 100.0 115.0 125.0 135.0 140.0 145.0	78.7 77.5 76.2 74.9 79.9 69.6 68.1 66.7 65.3 60.9 59.5	Rated Load (lbs)  11,040* 10,730* 10,420* 10,160* 9,870* 9,190* 8,810 8,130 7,490 6,870* 6,300* 5,730* 5,220*	Load Radius (ft) 60.0 65.0 75.0 80.0 85.0 90.0 100.0 115.0 125.0 133.0 140.0 145.0	77.8 78.5 77.4 76.1 74.9 73.8 72.6 66.3 65.0 65.9 75.4 61.1 59.7 58.3	## Rated Load (lbs)   Rated Load (lbs)     18,000*     17,960*     17,080     15,470     14,060     12,830     10,710     9,830     9,030     9,030     8,260*     7,580*     6,940*     6,370*     5,820*     5,260*     4,780*	80.0 85.0 90.0 85.0 90.0 95.0 100.0 115.0 125.0 130.0 135.0 140.0 145.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 66.2 64.8 63.4 62.0	Rated Load (lbs)  8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,270* 6,940* 6,790* 6,940* 5,900* 5,400*
<b>145.0</b>   <b>51.6</b>   <b>4,380*</b>   <b>145.0</b>   <b>53.5</b>   <b>4,690*</b>   <b>150.0</b>   <b>52.7</b>   <b>4,120*</b>   <b>150.0</b>   <b>55.0</b>   <b>5.0</b>   <b>4,490*</b>   <b>155.0</b>   <b>53.5</b>   <b>3,810*</b>   <b>155.0</b>   <b>56.4</b>   <b>4,290*</b>   <b>155.0</b>   <b>55.5</b>   <b>3,900*</b>   <b>155.0</b>   <b>59.1</b>   <b>4,470*</b>   <b>150.0</b>   <b>50.0</b>   <b>50.0</b>	Load Radius (ft) 50.00 65.0 60.0 65.0 70.0 95.0 100.0 115.0 125.0 130.0 135.0 140.0	79.4 74.0 72.6 71.2 69.9 68.5 67.0 65.6 64.1 62.7 61.1 59.6 55.0 53.3	Rated Load (lbs) 19,440* 19,020* 18,620* 17,870* 16,420 14,850 12,270 11,150 10,200 9,340 8,570 7,840 7,200 6,630 6,040* 5,460* 4,890*	Ft Jib gle (a Radius (ft)    60.0   65.0   70.0   85.0   90.0   95.0   105.0   115.0   125.0   130.0   140.0   140.0	79.0 77.7 76.3 74.9 73.5 72.1 70.7 66.3 64.8 63.2 61.7 60.1 58.5 56.9 55.2	Rated Load (lbs)  18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 11,660 10,670 9,780 8,970 8,200 7,530 6,940 6,370 5,790* 5,220*	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 85.0 90.0 105.0 115.0 125.0 135.0 140.0 145.0 145.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 66.0 63.1 61.7 60.3 58.8 57.4 55.8 54.2	## Action	Load Radius (ft)  65.0 70.0 75.0 80.0 85.0 90.0 105.0 115.0 125.0 135.0 140.0 145.0 145.0	79.6 78.3 76.9 71.5 70.1 68.7 67.3 65.8 64.3 59.9 58.2 56.6	Rated Load (lbs)  15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140 9,320 8,530 7,840 7,230 6,650 6,080* 5,510* 4,980*	Load Radius (ft) 60.0 65.0 70.0 85.0 90.0 100.0 110.0 125.0 135.0 140.0 145.0 150.0	78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 63.5 66.2 64.8 63.5 69.4 57.9 56.4 55.0	750 a 20 a 250 a 2	75.0 80.0 85.0 90.0 105.0 115.0 125.0 135.0 140.0 150.	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3 60.9 59.5 57.9	Rated Load (lbs)  11,040* 10,730* 10,420* 10,160* 9,870* 9,190* 8,810 8,130 7,490 6,870* 6,300* 5,730* 5,220* 4,730*	Load Radius (ft) 60.00 65.0 77.0 80.0 85.0 90.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 66.3 65.0 63.7 55.9 56.9	Rated Load (lbs) 18,000* 17,960* 17,990* 17,080 15,470 14,060 12,830 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,370* 5,820* 5,260* 4,780* 4,340*	80.0 85.0 90.0 85.0 90.0 100.0 115.0 120.0 133.0 144.0 145.0 150.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 66.2 64.8 63.4 62.0 60.5	Rated Load (lbs)  8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,270* 6,940* 6,790* 6,480* 5,900* 5,400* 4,930*

165.0 53.1

Reeves

1

3,410\* 165.0 52.6

1

Reeves

3,080\*

1

165.0 56.0

170.0 54.4

Reeves

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

1

155.0 48.2

Reeves

3,460\*

1

Reeves

1

Reeves

3,210\*

1

160.0 49.3

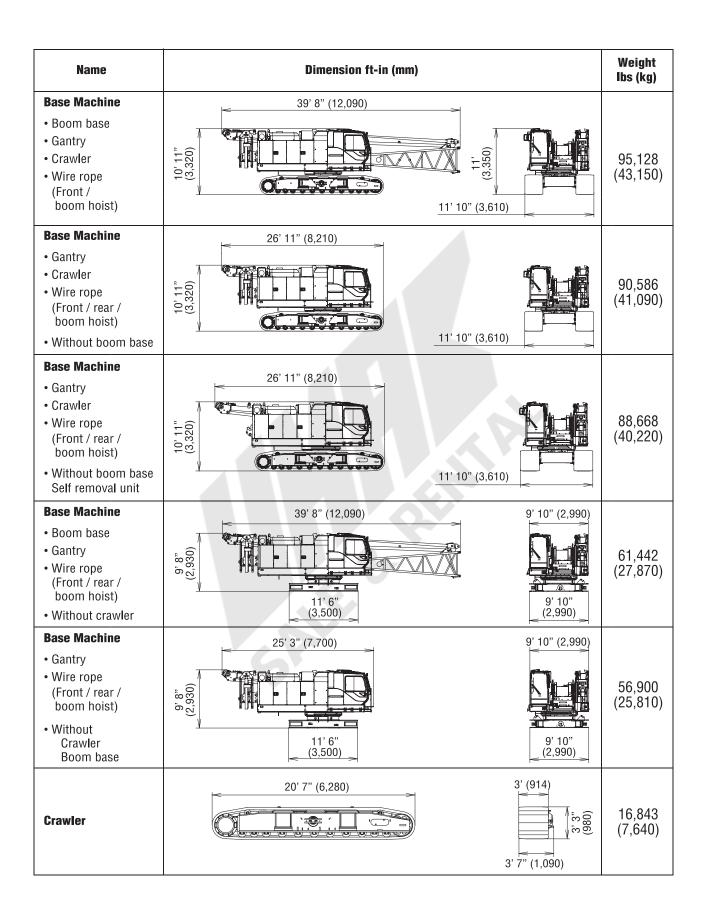
Reeves

3,610\*

3,240\*

1

## TRANSPORTATION PLAN

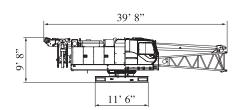




## **PARTS AND ATTACHMENTS**

#### **Base Machine**

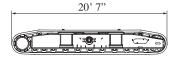
Gantry, Wire rope (Front/rear/boom hoist), Without crawler Weight: 61,442 lbs Width: 9' 10"

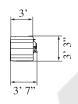




#### Crawler

Weight: 16,843 lbs





#### 10 ft Insert Boom

Weight: 685 lbs





#### Dimensions: ft Weight: lbs

#### **Boom Base**

Weight: 3,252 lbs





#### 20 ft Insert Boom

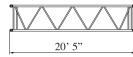
Weight: 1,145 lbs

**40 ft Insert Boom** 

Weight: 2,115 lbs

4' 11"

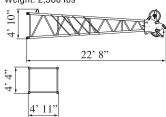
40' 5"





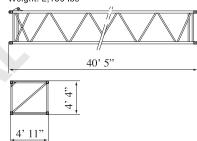
#### **Boom Tip**

Weight: 2,580 lbs



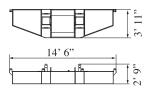
#### 40 ft Insert Boom with lug

Weight: 2,150 lbs



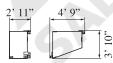
#### Counterweight No.1

Weight: 18,320 lbs

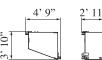


#### Counterweight No.2, No.3 (R)

Weight: 12,677 lbs (1 piece)

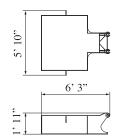


#### Counterweight No.2, No.3 (L) Weight: 12,677 lbs (1piece)



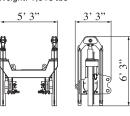
#### Carbodyweight

Weight: 15,873 lbs

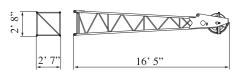


#### Self removal unit

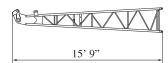
Weight: 1,918 lbs



Jib Tip Weight: 617 lbs

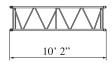


Jib Base Weight: 440 lbs



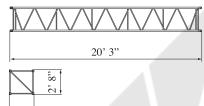


10 ft Insert Jib Weight: 220 lbs



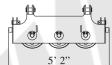


20 ft Insert Jib Weight: 395 lbs

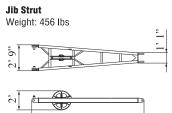




**Upper Spreader** Weight: 518 lbs

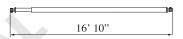






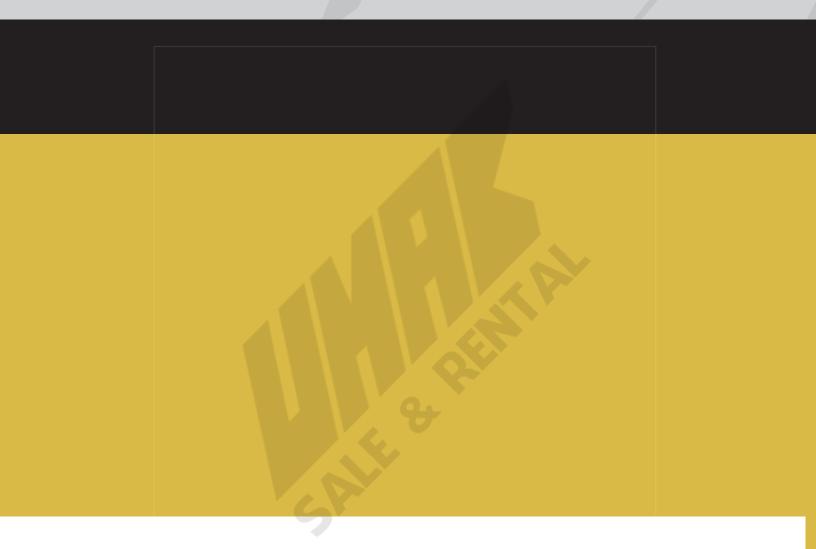
11' 11"











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

specifications are subject to change without advance notice.

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10845 Train Court, Houston, Texas 77041, USA Tel: +1-713-856-5755 Fax: +1-713-856-9072

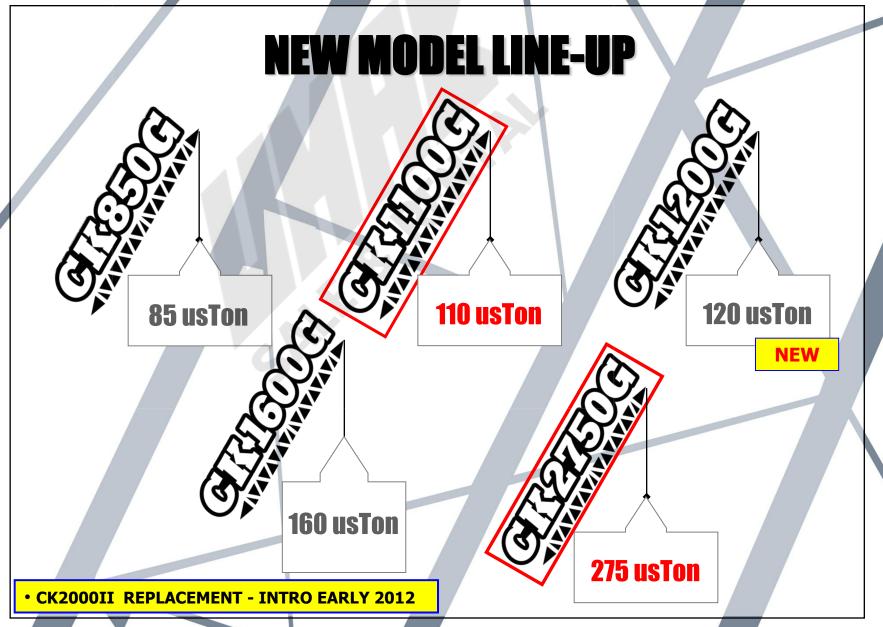
URL: http://www.kobelcocranesnorthamerica.com/

Bulletin No. CK1100G\_SPEC\_US1 1103025IF Printed in Japan





## **KOBELCO**





# **COMPONENT INTERCHANGEABILITY**

# G series

NOTE: CHANGES HIGHLIGHTED IN RED

MODEL	DO014/1017	up /wr		AUX SHEAVE	ENG HP	WIDE DODE
MODEL	BOOM/INT	JIB/INT	LUFF/INT	INT	new/old	WIRE ROPE
	200'/YES**	60'/YES	NOT AVAIL.	YES	285/215	22mm (6 strand)
GIZIOOG ***********************************	200'/YES**	60'/YES	NOT AVAIL.	YES	285/331	26mm (6 strand)
GIGIZOOF «IVAVAVAVIVAVAVAVI»	230'/Ins. & tip**	100'/YES	170'/YES	YES	285/331	26mm (6 strand)
GEGGGGG	250'/YES**	100'/YES	170'/YES	YES	363/331	26mm (uni 3 RR)
OKSANDOG «IVAVAVAVIVAVAVAVA»	300'/Inserts*	100'/YES	200'/NO	YES	363/331	26mm (uni 3 RR)

\* Different Pendants

\*\* Diff Backstops & electrical

## "G" SERIES

# REQUIRED TIER 3.5 ENGINE COMBINED WITH KOBELCO FUEL SAVINGS TECHNOLOGY

1.) TIER 3.5 HINO ENGINE WITH "DPR" and "EGR" TECHNOLOGY

### **REDUCES**

- Particulate Matter
- NOx
- Noise Level





## 2.) EXCLUSIVE "G" MODES

- AIS
- G WINCH
- G ENGINE

(ALL OPERATOR SELECTABLE)



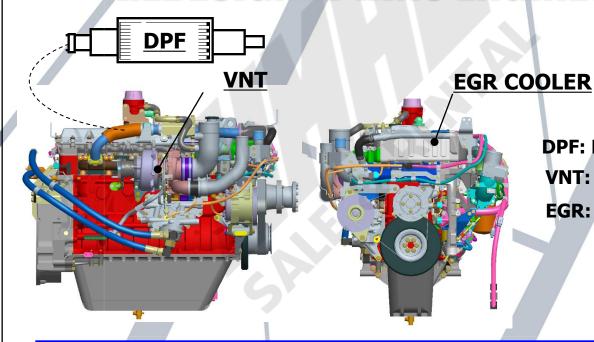








## REDESIGNED HINO ENGINES (TIER 3.5)



**DPF: Diesel Particulate Filter** 

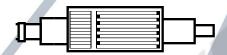
**VNT: Variable Nozzle Turbo** 

**EGR: Exhaust Gas Recirculation** 

## KCNA & KCNA DEALERS REMAIN AS WARRANTY/SERVICE SUPPORT

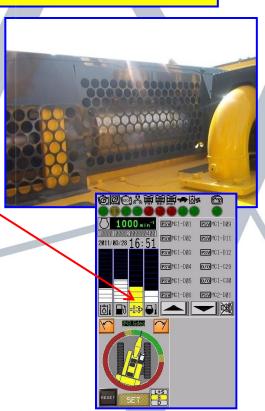
• Required fuel: Low Sulfur - containing 50ppm or less

## WHAT IS A DIESEL PARTICULATE FILTER? (DPF)

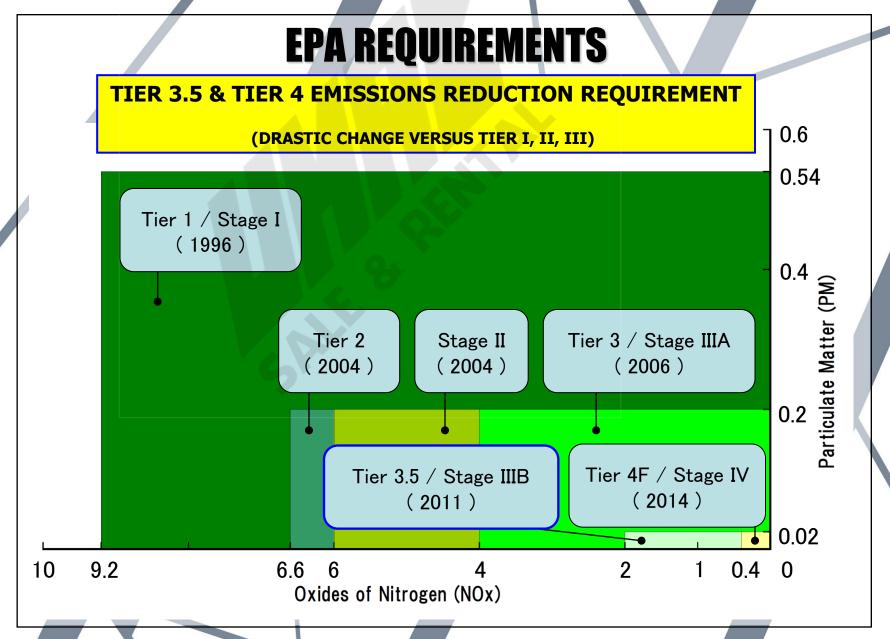


LARGE FILTER THAT TRAPS DIESEL PARTICULATE MATTER & PERIODICALLY BURNS/CLEANS THE COLLECTED EXHAUST PARTICLES

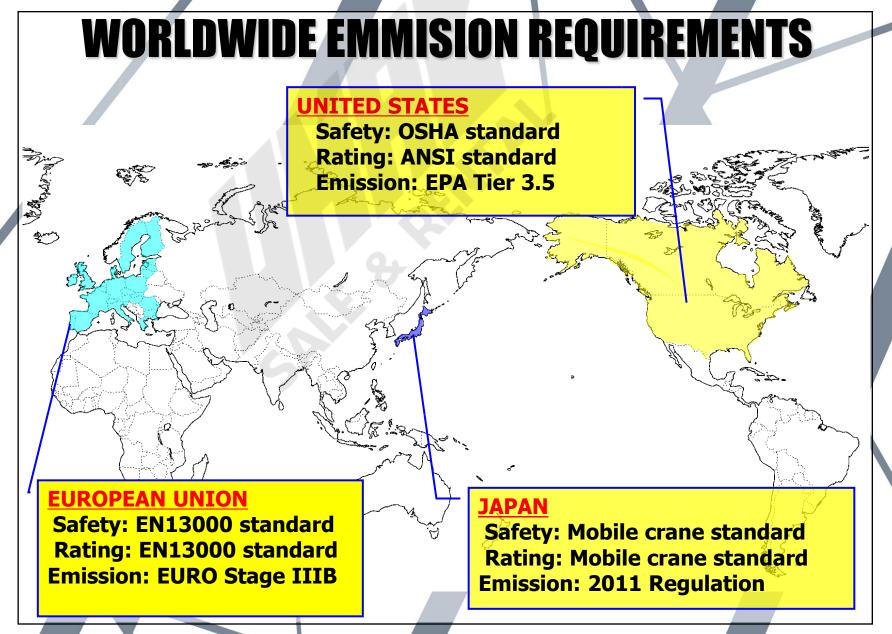
- BURNS/CLEANS ITSELF AUTOMATICALLY EVERY 10 HOURS
- OPERATOR HAS OVER-RIDE OPTION
- GRADUATED SCALE WARNING DISPLAYS TO OPERATOR
- REPLACEMENT INTERVAL APPROX 4000 5000 HOURS



## **KOBELCO**



### **KOBELCO**



# **EXCLUSIVE ENERGY/FUEL SAVING SYSTEM**



**3 BASIC MODES** 

**ALL OPERATOR SELECTABLE** 





**AIS MODE (Auto Idling Stop mode)** 



**G-WINCH MODE (Green winch mode)** 



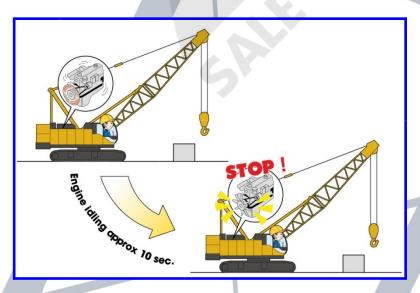
**G-ENGINE MODE (Green engine mode)** 



## **AIS MODE**

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 accelerator grip.

## **AIS CONDITIONS OF OPERATION (SAFETY CONSIDERATION)...**



**NOTE:** AIS air-conditioner is available in option.

· Hyd. Oil temperature: 60 F or less

Coolant temperature : 105 F to 175F

• Low engine rpm: 800 +/-40 rpm

• Winch mode : Brake mode

Boom angle : 5 degree before max. angle

• Lifting load: No. of reeving x 2,200 lbs. (max. 11,000 lbs)

Swing parking brake : ON

• LMI release switch : LOCK

• Error code: None

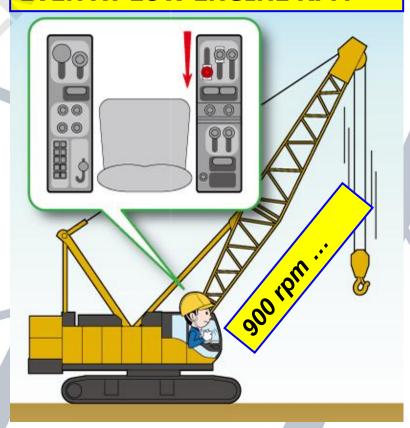


## **G-WINCH MODE**

BEFORE – Even No-Load lifting required full engine RPM to obtain max line speed



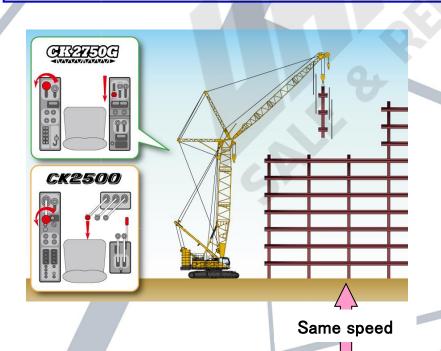
NOW – THE G-WINCH MODE
Can produce maximum winch
line speed –
EVEN AT LOW ENGINE RPM

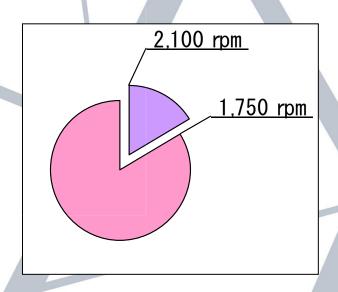




## **G-ENGINE MODE**

THE G-ENGINE MODE -limits maximum engine speed to 1,750 RPM and controls the pumps to make engine operate in the most efficient condition.



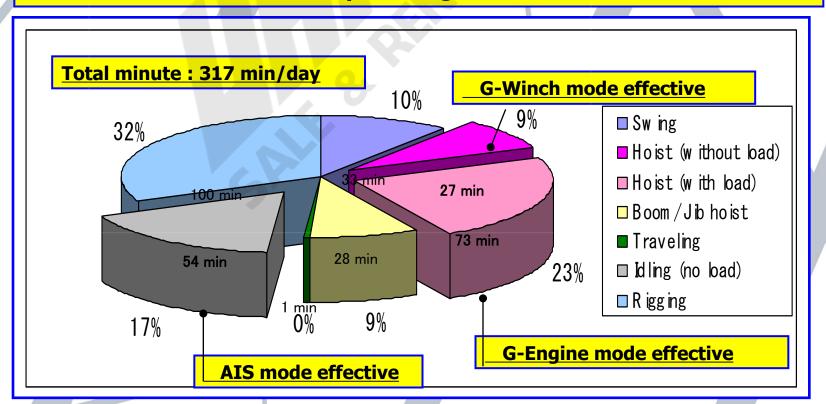


**BEFORE** — an operator may have chose to operate at full engine RPM but not engage the control lever fully, therefore using more fuel to produce the same line speed.



## **HOW MUCH FUEL CAN BE SAVED?**

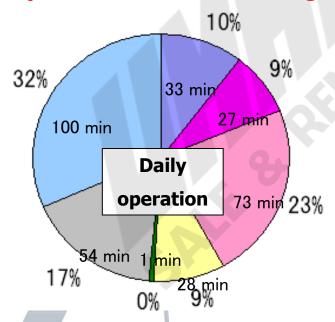
ACTUAL JOB SITE DATA, constructing an 8 floor building with a Kobelco CK1600II Luffing Jib with 150ft main + 100ft jib, handling steel beams (2,200 lbs to 11,000 lbs). The graph shows daily operating minutes of each function as a percentage of total time.



#### **KOBELCO**

## **FUEL SAVINGS CALCULATION**

(From KCROSS info: 21.1 gal fuel used without G-modes)



- Swing
- Hoist (without load)
- Hoist (with load)
- Boom/Jib hoist
- Traveling
- □ Idling (no load)
- Rigging

**Total minute : 317 min/day** 

#### **G-MODE FUEL SAVINGS / BY MODE**

+ AIS: 1.2 gal / day

+ G-Winch: 2.4 gal /day

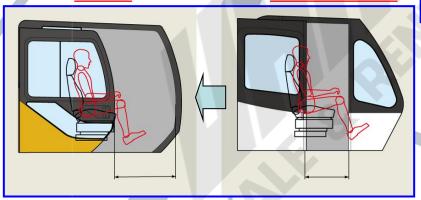
**TOTAL= 3.9 GALLON/DAY = 18% SAVINGS** 

+ G-Engine : 0.3 gal / day

# **NEW CAB DESIGN**

**NEW** 

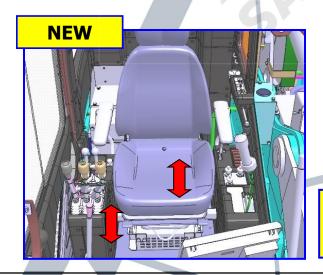
**PREVIOUS** 



**ISOLATED CAB BASE FRAME** 

\* Reduces vibration

- ADDITIONAL LEG/FOOT ROOM
- EASE OF ENTRY
- WIDER DOOR



Independently adjustable lever position and operator seat.

# **NEW CAB DESIGN**









**REPOSITIONED – HOIST CONTROL LEVERS - DRUM SPEED CONTROLS - TRAVEL CONTROLS** 

**PREVIOUS** 

## **NEW CAB DESIGN - CONTROL LAYOUT**

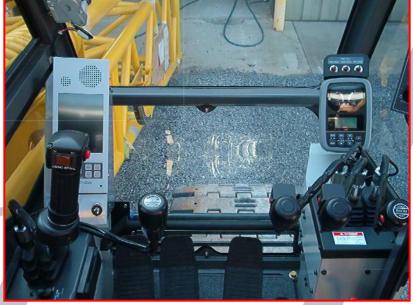
INCREASED OPERATOR'S FIELD OF VISION

**•INCREASED AIR CONDITIONER OUTPUT + 10%** 

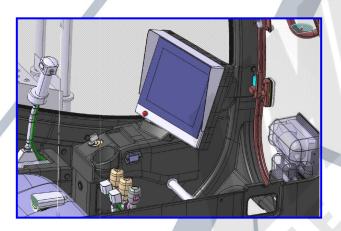
**NEW** 

**PREVIOUS** 



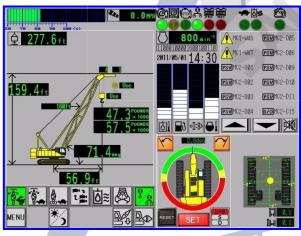


## **NEW CAB - LMI**



#### **KOBELCO DESIGNED & WARRANTED**

12" touch panel screen with sunshade & screen protector –



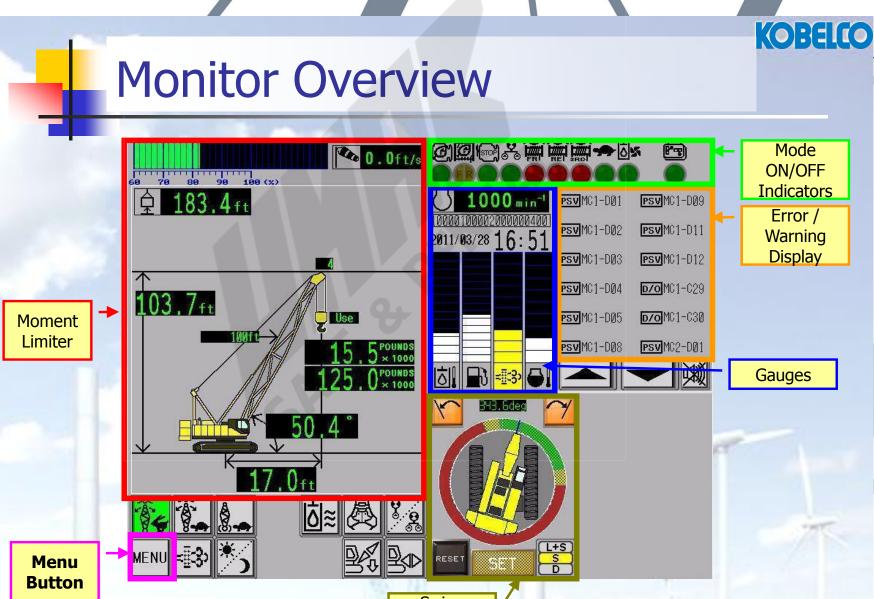
#### **EASY TO PROGRAM -**

Easy to read and understand information





**PREVIOUS GAUGE CLUSTER** 



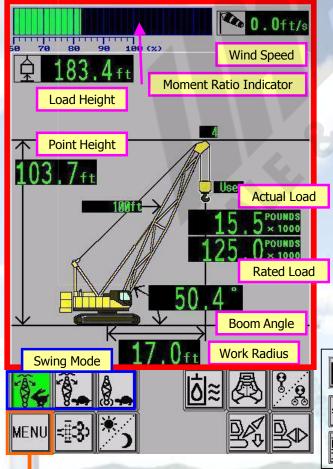
Swing Limitation Device

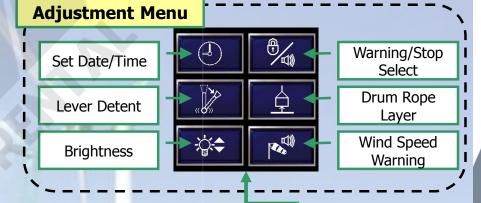
**Keep this inside the cab** 



# [Left Side] Moment Limiter



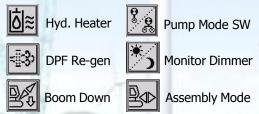




#### **Main Menu**







2

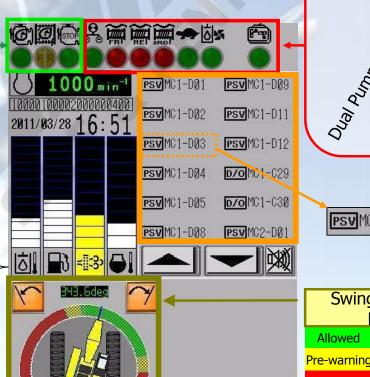


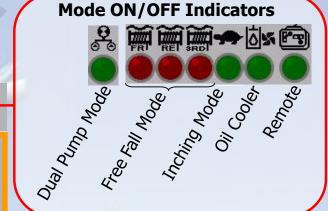
# [Right Side] Gauges

RESET









PSVMC1-D03

Click on warning to see the details!



Allowed

Left Limit Set

Right Limit Set

**Prohibited** 

Alarm & Stop

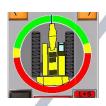
Alarm only

Display only

3

**Keep this inside the cab** 

#### **KOBELCO**

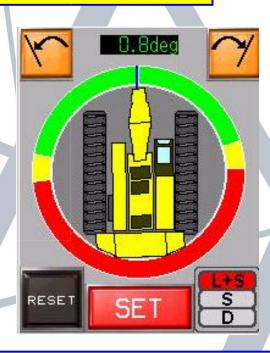


## **SWING LIMITER**

#### **ENSURES ADDITIONAL JOBSITE SAFETY**







#### **3 MODES – OPERATOR CHOOSES**

D MODE: WARNING LIGHT S MODE: ALARM LS MODE: ALARM & STOP



# IMPROVED HYDRAULIC CONTROL CIRCUIT



"SINGLE" OR "DOUBLE" - PUMP FLOW ABILITY

#### **SINGLE PUMP**

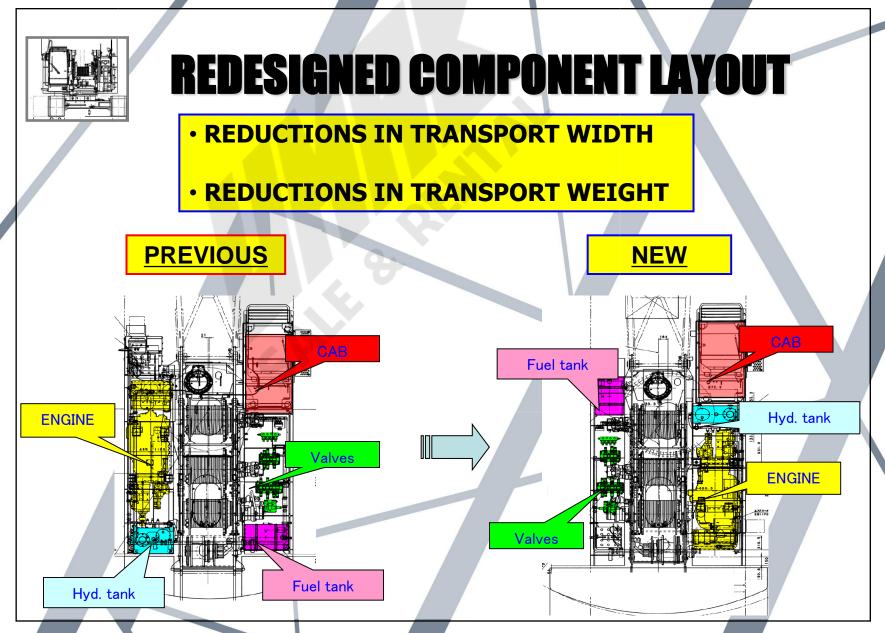
- ALLOWS TWO WINCHES TO BE CONTROLLED INDEPENDENTLY \* LUFFING

#### **DOUBLE PUMP**

- -MAXIMIZE SPEED IN SINGLE LINE OPERATION
- SYNCRONIZE SPEED IN DOUBLE LINE OPERATION
  - \* STEEL ERECTION
  - \* BRIDGE WORK
  - \* CLAMSHELL
  - \* PILEDRIVING

MODEL	HYD PUMP FLOW	OPERATOR SELECT	HYD PUMP FLOW	OPERATOR SELECT	MODEL
<b>G</b> 13850G	DUAL	NO	SINGLE	NO	CK850III
GRANOCH	DUAL	NO	DUAL	NO	CK1000III
GISI200G	SINGLE or DUAL	YES	SINGLE	NO	NOT AVAIL
GI31600G	SINGLE or DUAL	YES	SINGLE	NO	CK1600II
GRZ750G	SINGLE or DUAL	YES	SINGLE	NO	CK2500II

#### **KOBELCO**





## **REDUCED TRANSPORT WIDTH**

MODEL	TRANSPORT WIDTH	TRANSPORT WIDTH	MODEL
OKOSOG «IVAVAVAVIVAVAVAVI»	11′ 10″	11' 6"	CK850III
©FTSFOOG ◆IVAVAVAVIVAVAVAVIÞ	11' 10"	11' 10"	CK1000III
Ø∏DOCE ▼IVAVAVAVIVAVAVAVIÞ	9′ 10″	10' 6"	NOT AVAIL
©TTTGOOG ▼IVAVAVAVIVAVAVAVI►	9′ 10″	11'3"	CK1600II
OTTATEO C	9' 10 "	11' 2"	CK2500II



CK850 & CK1000/1100

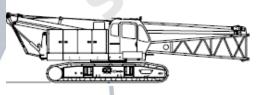


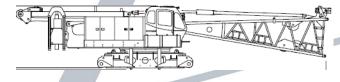
CK1200, CK1600, CK2750



# REDUCED TRANSPORT WEIGHT

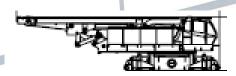
MODEL	TRANSPORT WEIGHT	TRANSPORT WEIGHT	MODEL
©∏350G ⊲\VAVAVAV\\VAVAVAV\	91,677	89,980	CK850III
©TTTTOOC ▼IVAVAVAVIVIVAVAVAVI►	95,128	99,970	CK1000III
GTTPOOF	74,206	94,050	NOT AVAIL
Ø∏\$1600€ ■IVAVAVAVIVAVAVAVIE	84,193	88,180	CK1600II
GRZ750C	99,760	99,000	CK2500II





CK850 & CK1000/1100

CK1200 & CK1600



CK2500/2750

#### **KOBELCO**



### CK850G - CK1100G - CK1200G **ASSEMBLY IMPROVEMENT**

#### **NEW REAR COUNTERWEIGHT**





#### **PREVIOUS CWT**



#### **NEW ON CK110G - SWING AWAY AXLE EXTENSIONS**



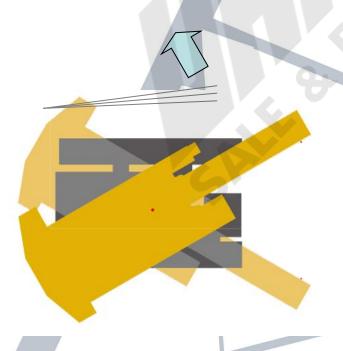
- - **PREVIOUS ON CK1000**

- QUICKER ASSEMBLY
- EASIER TO HANDLE/RIG
- EASIER TRANSPORT
- COMMONALITY



# **INCREASED TRAVEL MOTOR TORQUE**

**APPROX 5% - 10% INCREASE** 



**CK850G** 

**CK1100G** 

**CK2750G** 

**IMPROVED TRAVEL/COUNTER-ROTATION IN ADVERSE GROUND CONDITIONS** 

## IMPROVED WIRING CONNECTION

**UNIQUE CONNECTORS** 

**ALL MODELS – IN UPPER FRAME BASE** 





**CK2750G – ADD'L CONNECTIONS IN BOOM BASE** 

# **IMPROVED MAINTENANCE ACCESS**

**NEW LADDER FOR ACCESS TO UPPER** 



**HANDRAILS** 





**THANK YOU!**