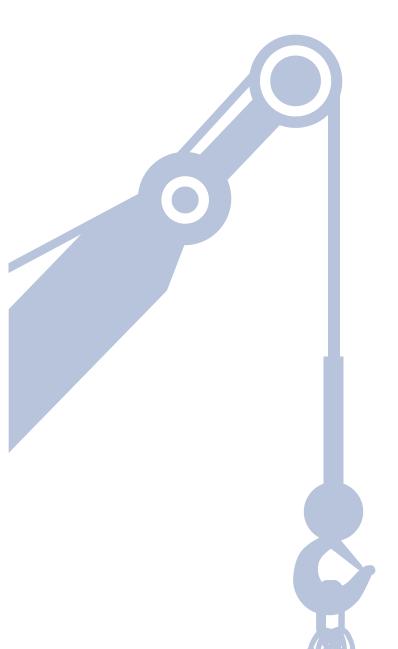


LOAD CHARTS

for Use With

WRITTEN EXAMINATIONS



Kobelco CK1100G

Kobelco Construction Machinery, by providing pages of one of its manuals, is not providing a substitute for training on a Kobelco crane.

These pages are reproduced for illustration only and not as a substitute for reviewing the entire manual for a particular crane.

Make sure that you are fully trained on, and review the entire manual for, every crane you operate.

This load chart has been adapted from the original manufacturer's load chart for use in the NCCER Mobile Crane Certification Examination. It is not to be used for calculating loads, planning lifts, or for any other purpose.



Hydraulic Crawler Crane

GEIDOG

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

Max. Fixed Jib Combination: 190 ft + 60 ft



CK1100G CONTENTS

BARGE DATA

SPECIFICATIONS 2 **G-MODE** 6 LMI **WINCH PERFORMANCE** 8 **GENERAL DIMENSIONS** 9 **DIMENSIONS & WEIGHT** 13 TRANSPORTATION PLAN **SELF ASSEMBLY PROCEDURE COUNTERWEIGHT SELF-REMOVAL DEVICE BOOM & JIB ARRANGEMENTS WORKING RANGES SUPPLEMENTAL DATA LIFTING CAPACITY CLAMSHELL DATA**

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)

 Basic boom & jib length
 80' + 30' (24.4 m + 9.1 m)

 Maximum boom & jib length
 190' + 60' (57.9 m + 18.3 m)

 Working weight
 Approx. 198,500 lbs (90,020 kg)

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

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

Boom lowering line speed (front and rear drums)

230 ~ 6.6 ft/min (70 ~ 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⁻¹)

Maximum torque

750 lbs-ft / 1,600 rpm (1,017 Nm / 1,600 min⁻¹)

Starter 24 Volts / 5.0 kW Alternator 24 Volts / 90 Amp

Batteries Two 12 volt, 136 AH/5 HR capacity series connected.

Radiator Corrugated type core, thermostatically controlled, with 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.

^{* - 10&#}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

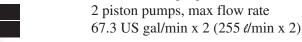
Full flow filters with replaceable paper elements

Reservoir capacity

116.2 US gal. (440 liters)

Hydraulic pumps:

Load hoist, boom hoist, and propel



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 \(\psi\) min + 40.5 \(\psi\) min)

Brake cooling system

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

Gantry

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

Operators cab

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

Controls

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

Swing:

Swing unit

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

Swing brake

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

Swing circle

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

Swing lock

Manual, 4 position lock for transportation.



Line pull:

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

Lower Machinery

Crawlers:

Crawler assemblies can be hydraulically extended or retracted for wide track operation or retracted for transportation.

Crawler belt tension adjusted with hydraulic jack and maintained by shims between the idler block and frame.

Crawler drive:

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

Crawler brakes:

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

Steering mechanism:

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

Crawler shoe:

66 shoes - 36" wide, each crawler.

Track rollers:

The track rollers are sealed for maintenance free operation.

Front drum:

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

Negative brake

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

Drum lock External ratchet for locking drum

Drums:

Front drum -

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

Rear drum -

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

3rd drum (optional) -

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

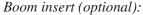


Crane Attachments

Boom:

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

Maximum boom 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

1100K 010C

Hook ball

Auxiliary sheave

Fixed jib

Boom inserts

Carbody erection cylinder

G-Mode

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

Auto Idling Stop Mode (AIS):

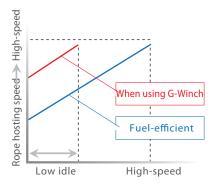
An Industry First

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

G-Winch Mode:

An Industry First

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



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

G-Engine Mode:

An Industry First

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











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.

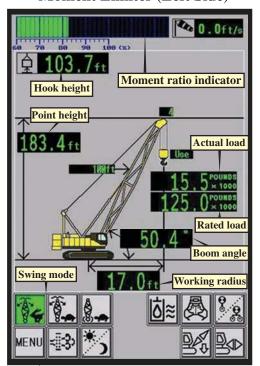
A new clean diesel system - although diesel engines consume less fuel and emit less CO2 than gasoline engines, they also emit more harmful particulate matter and nitrogen oxide (NOx). The "new clean energy system" engine utilizes a DPF to reduce particulate matter, which is also kept to a minimum using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

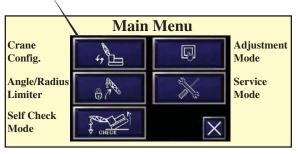
* Warning: High sulfer diesel will damage the engine.

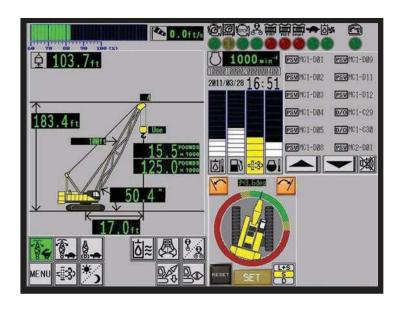
Load Moment Indicator (LMI)

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.

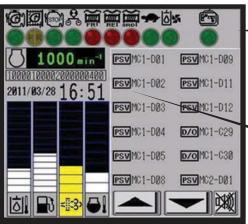
Moment Limiter (Left Side)







Gauges (Right Side)



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

Remote control connection Oil cooler operation Free fall (auxiliary) Free fall (3rd)

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

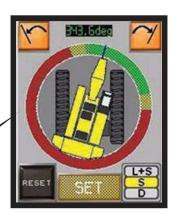
Gauges

Hydraulic oil temperature
Fuel gauge
Diesel particulate filter gauge
Coolant temperature

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

Over-Swing Prevention

An over-swing preventative device is standard. It limits the swing of the crane. Configuration is simple 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				
Storage Ca	pacity (ft)	139	149	159	169	179	189

Third Drum (for Load hoist)

Wire Rope Diameter = 22 mm

Rated Line Pull = 17,000 lbf (78.5 kN)

Maximum Line Pull = 32,400 lbf (144 kN)

Total Storage Capacity = 1,099 ft (334.9 m)

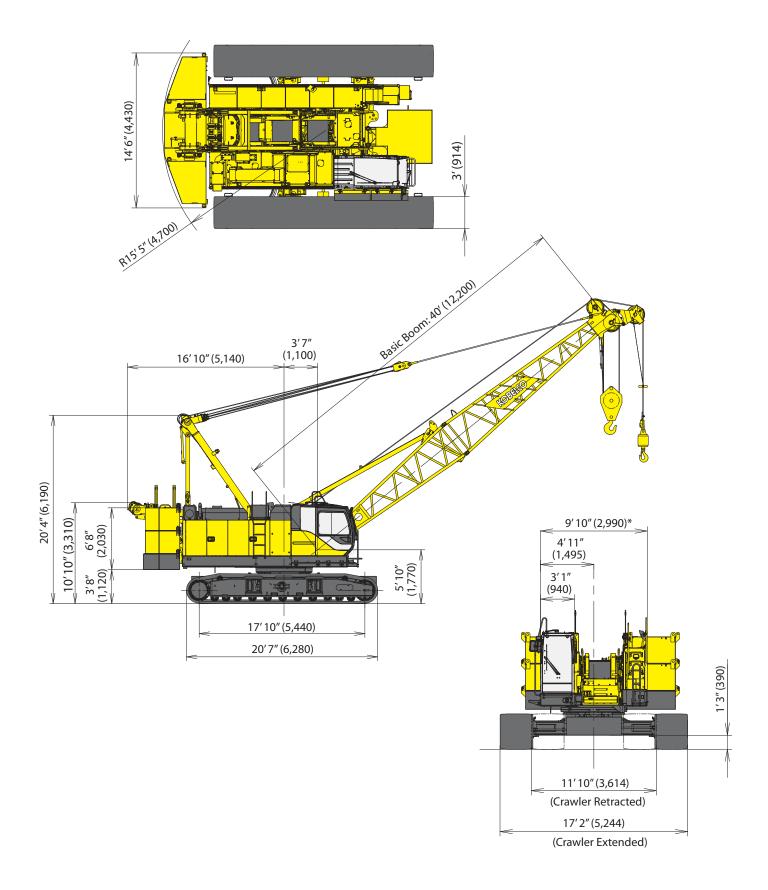
Line speed (ft/min)

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



^{* - 10&#}x27;5" wide with Catwalks on cab side only. 11' wide with Catwalks on both sides.

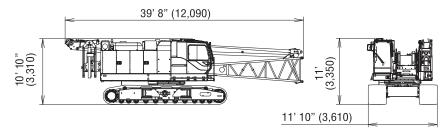
Dimensions and Weight

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

Base Machine - 1

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

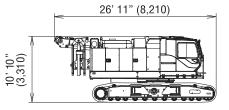
Boom base, gantry, crawlers, self removal unit, and wire ropes (front, rear, and boom hoist)

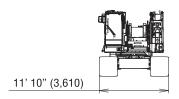


Base Machine - 2

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

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

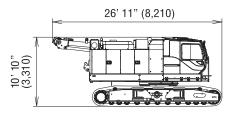


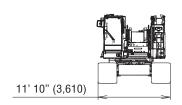


Base Machine - 3

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

wire ropes (front, rear, and boom hoist)

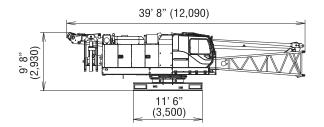


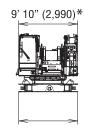


Base Machine - 4

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

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

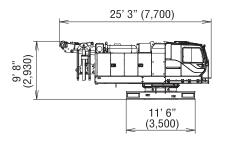


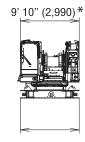


Base Machine - 5

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

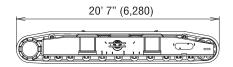
wire ropes (front, rear, and boom hoist)

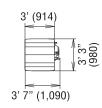




Crawler

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





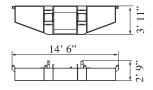
^{* - 10&#}x27;5" wide with Catwalks on cab side only. 11' wide with Catwalks on both sides.

Dimensions and Weight

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

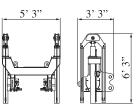
Counterweight Base

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



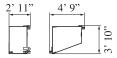
Self Removal Unit

Weight: 1,900 lbs (870 kg)



Counterweight (R)

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



Counterweight (L)

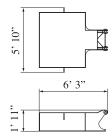
Weight: 12,700 lbs (5,750 kg)





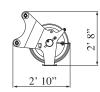
Carbody Weight

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



Auxiliary Sheave

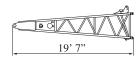
Weight: 430 lbs (195 kg)





Boom Base

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

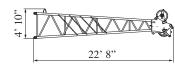




Boom Tip

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





10 ft (3.0 m) Insert Boom

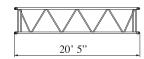
Weight: 800 lbs (364 kg) Includes cable roller and guy lines





20 ft (6.1 m) Insert Boom

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

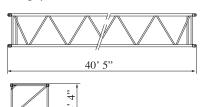




40 ft (12.2 m) Insert Boom

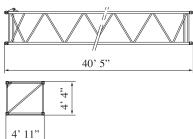
Weight: 2,400 lbs (1,098 kg) Includes cable roller and guy lines

4' 11"



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

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

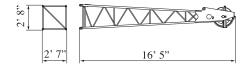


Dimensions and Weight

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

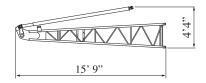
Jib Tip

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



Jib Base and Strut

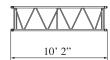
Weight: 1,400 lbs (637 kg) Includes guy line.





10 ft (3.0 m) Insert Jib

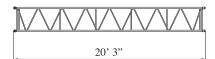
Weight: 280 lbs (128 kg) Includes cable roller and guy line.



	2, 8,,
2' 8"	,

20 ft (6.1 m) Jib Insert

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





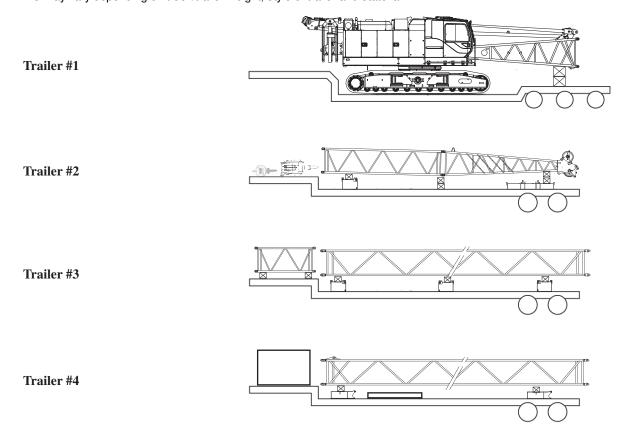
Transportation PlanRefer to pages 10-12

Shipping plan for 150 ft Boom

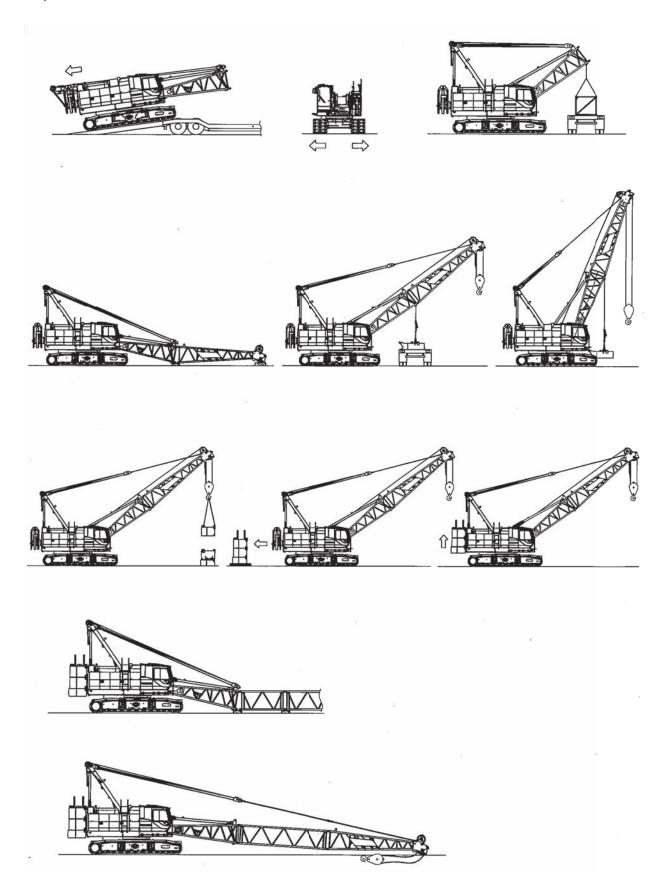
Description of Item	Wei	ight		Trailer	Loads	
Description of Item	lbs	(kg)	#1	#2	#3	#4
Base Machine with Boom Base and Crawlers*	95,200	(43,150)	1			
Counterweight Base	18,200	(8,310)		1		
Counterweight (L)	12,700	(5,750)			2	
Counterweight ('R)	12,700	(5,750)		1	1	
Carbody Weight	15,900	(7,200)				2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

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

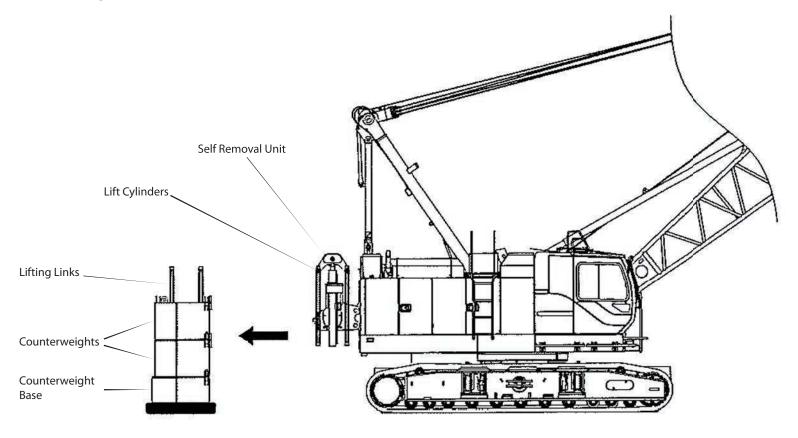
Loads for transportation were targeted at 45,000 lbs, 8' 6" wide, 48' long and 13' 6" high from ground, 48' step deck. This may vary depending on truck/trailer weight, style of trailer and state law.

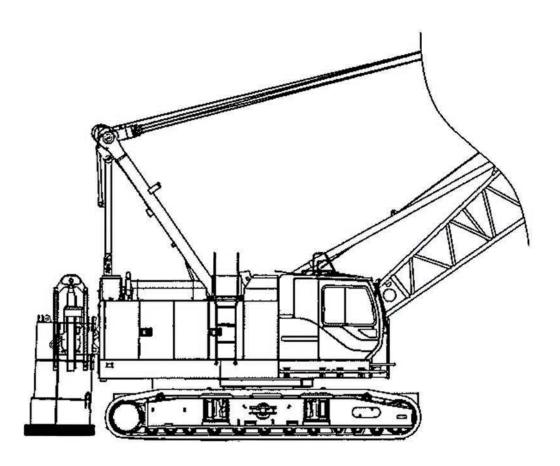


Self-Assembly Procedure



Counterweight Self-Removal Device



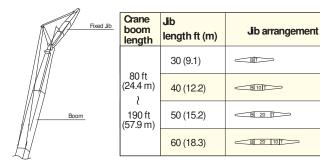


Boom and Fixed Jib Arrangement

Boom Arrangement

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

Fixed Jib Arrangement

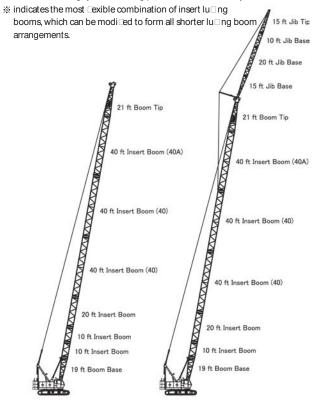


Symbol	Jib Length	Remarks
B	15 ft (4.6 m)	Jib Base
	15 ft (4.6 m)	Jib Top
10	10 ft (3.0 m)	Insert Jib
20	20 ft (6.1 m)	Insert Jib

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)	

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

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

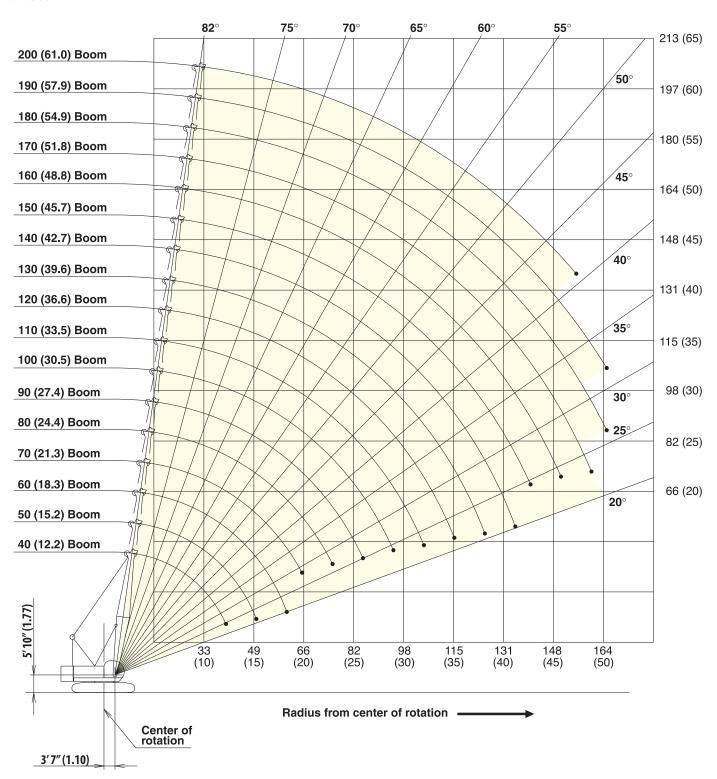


Main Boom - 200 ft (61.0 m)

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

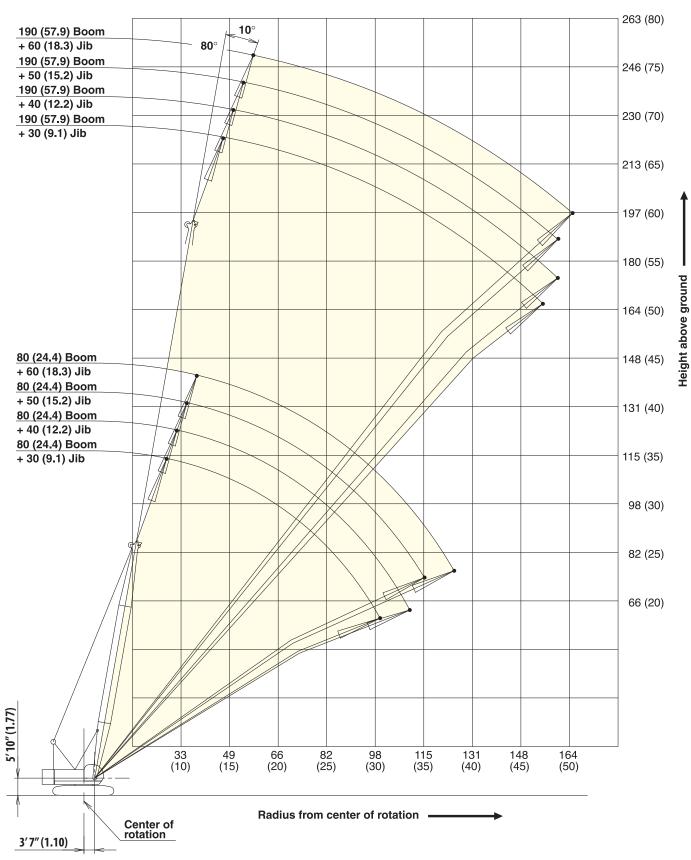
Working Ranges

Main Boom Unit : ft (m)



Working Ranges

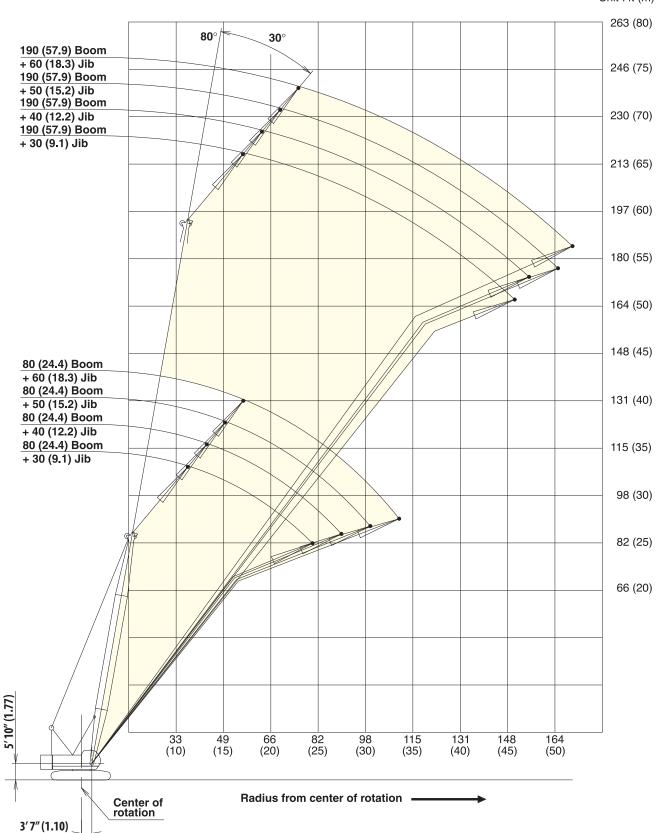




Height above ground

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).
- 2. Rated loads do not exceed 75% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
- 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.

Main Boom Lift Capacity

ain Bo	om Li	ft Capacity								Full Cour	nterweight: 69,0	00 lbs	Carbody	y Weight: 31,800
40)' Boo	m	50)' Boo	m	60)' Boo	m	70	o' Boo	m	80)' Boo	m
Load Radius	Boom Angle	360° Rated Load	Load Radius	Boom Angle	360° Rated Load	Load Padius	Boom Angle	360° Rated Load	Load Padius	Boom Angle	360° Rated Load	Load Radius	Boom Angle	360° Rated Load
(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)
11.0 12.0	80.5 79.0	220,000 * 213,300 *	12.0 13.0	81.2 80.0	213,200 * 200,600 *	13.0 14.0	81.7 80.7	200,400 * 187,400 *	15.0 16.0	81.3 80.4	151,000 * 151,000 *	16.0 17.0	81.6 80.9	151,000 * 149,300 *
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 17.0	73.1 71.6	165,500 * 156,300 *	17.0 18.0	75.4 74.2	156,000 * 147,400 *	18.0 19.0	76.8 75.9	146,900 * 139,800 *	20.0 22.0	77.1 75.4	132,200 115,400	22.0 24.0	77.3 75.8	115,100 101,000
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
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 22.0	66.9 63.7	132,800	22.0 24.0	69.3 66.8	115,300 101,000	24.0 26.0	70.9 68.8	100,800	28.0 30.0	70.3 68.5	80,800 73,000	30.0 32.0	71.2 69.7	72,800 66,600
24.0 24.0	60.4	115,600 101,300	24.0 26.0	64.3	89,400	28.0 28.0	66.7	89,100 80,500	30.0 32.0	66.7	67,000	34.0	68.2	61,600
26.0	57.0	89,600	28.0	61.7	80,700	30.0	64.6	72,800	34.0	64.9	62,000	36.0	66.6	57,300
28.0	53.4	80,900	30.0	59.1	73,000	32.0	62.5	66,600	36.0	63.0	57,800	38.0	65.1	53,100
30.0 32.0	49.8 45.8	73,300 67,300	32.0 34.0	56.3 53.4	67,000 62,000	34.0 36.0	60.3 58.0	61,600 57,300	38.0 40.0	61.2 59.3	53,600 49,800	40.0 42.0	63.5 61.8	49,300 46,600
34.0	41.2	67,200 61,700	36.0	50.3	57,800	38.0	55.7	57 ,300 53,100	42.0	57.3	4 9,000 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	31.1	51,500	40.0	44.0	49,800	42.0	50.9	46,600	46.0	53.3	41,300	48.0	56.8	39,100
40.0	25.4	45,900 *	42.0 44.0	40.4 36.7	47,000 44,300	44.0 46.0	48.3 45.8	43,800 41,100	48.0 50.0	51.2 49.0	39,400 37,400	50.0 55.0	55.1 50.5	37,100 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
\vdash						60.0	20.7	28,600 *	l			75.0	26.9	22,100
I 🗀 🗅	·/~~	0	Doo.	1400	0	Doo	1/00	0	Doc	1/00	6	Doc	1/00	6
	ves)' Boo	8 m		ves 0' Boo	8 om	Ree		8 om		ves 0' Boo	6 om		ves 0' Boo	6 om
	ves)' Boo Boom	m	10	ves 0' Boo Boom	om	11	ves 0' Boo Boom	om	12	o' Boom	om	13	oves O' Boom Boom	om 💮
90 Load Radius)' Boo Boom Angle	m 360° Pated Load	Load Radius	0' Boom Boom Angle	360° Pated Load	Load Radius	0' Boom Boom Angle	360° Pated Load	Load Padius	O' Boom Boom Angle	360° Rated Load	13 Load Radius	0' Boom Boom Angle	360° Rated Load
90 Load)' Boo Boom	360° Rated Load (lbs)	Load Padius (ft)	0' Boom	360° Rated Load (lbs)	Load Padius (ft)	O' Boom Angle (deg.)	360° Rated Load (lbs)	Load Padius (ft)	0' Boom	om 360°	13 Load	O' Boom Angle (deg.)	360° Rated Load (lbs)
90 Load Radius (ft) 17.0 18.0	Boom Angle (deg.) 81.9 81.3	360° Pated Load (lbs) 125,800 * 125,800 *	Load Radius (ft) 19.0 20.0	0' Boom Angle (deg.) 81.6 81.0	360 Pated Load (lbs) 125,600 * 123,600 *	Load Radius (ft) 20.0 22.0	O' Boom Angle (deg.) 81.8 80.8	360° Pated Load (lbs) 100,800 * 100,800 *	Load Radius (ft) 22.0 24.0	81.6 80.6	360° Pated 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° Pated 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° Pated 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° Pated Load (lbs) 100,800 * 100,800 * 96,500 *	Load Radius (ft) 22.0 24.0 26.0	81.6 80.6 79.6	360° Pated 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 *
17.0 18.0 19.0 20.0 22.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7	360 Pated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 124,000 * 112,500 *	10 Load Radius (ft) 19.0 20.0 22.0 24.0 26.0	81.6 81.0 79.9 77.5	360° Pated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900	Load Radius (ft) 20.0 22.0 24.0 26.0 28.0	81.8 80.8 79.7 78.6 77.6	360° Pated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200	Load Radius (ft) 22.0 24.0 26.0 28.0 30.0	81.6 80.6 79.6 77.7	360° Pated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0	81.3 80.4 79.5 78.6 77.7	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900
9(Load Padius (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 Pated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800	10 Load Padius (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° Pated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200	Load Padius (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° Pated 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	98,700 * 94,200 * 88,000 * 79,900 72,200 66,100	Load Padius (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) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900
Load Padius (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 Pated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100	Load Padius (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° Pated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400	Load Padius (ft) 20.0 24.0 24.0 28.0 30.0 32.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4	360° Pated 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	80.6 80.6 79.6 77.7 76.7	98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100	Load Padius (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
17.0 18.0 19.0 20.0 22.0 24.0 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	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800	Load Padius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0	81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300	Load Padius (ft) 20.0 24.0 24.0 28.0 30.0 32.0 34.0 36.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 76.5 75.4 74.3 73.2	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 80,200 72,400 66,300 61,300 57,000	Load Padius (ft) 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0	81.6 80.6 79.6 77.7 76.7 75.7 74.7 73.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500	Load Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400
17.0 18.0 19.0 20.0 22.0 24.0 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 * 110,800 80,500 72,800 66,600	Load Padius (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 Padius (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 * 88,500 * 80,200 72,400 66,300 61,300 57,000 52,700	Load Padius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	80.6 79.6 77.7 76.7 73.7 72.7	360° Pated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700	Load Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2	360° Pated 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 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	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800	Load Padius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0	81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1	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 Padius (ft) 20.0 24.0 24.0 28.0 30.0 32.0 34.0 36.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 76.5 75.4 74.3 73.2	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	Load Padius (ft) 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0	81.6 80.6 79.6 77.7 76.7 75.7 74.7 73.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500	Load Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400
Load Padius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.5 73.5 72.1 70.8 69.4 68.0	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	Load Padius (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	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	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	Load Padius (ft) 20.0 24.0 24.0 28.0 30.0 32.0 34.0 36.0 48.0 42.0 44.0	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	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	Load Padius (ft) 22.0 24.0 26.0 28.0 30.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0	80.6 79.6 78.6 77.7 76.7 75.7 74.7 72.7 71.7 70.7 69.7	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 Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 46.0 48.0	80.4 79.5 78.6 77.7 76.9 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
90 Load Padius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	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	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 Padius (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 44.0	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	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 Padius (ft) 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 40.0 44.0 46.0	80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 72.2 71.1 70.0 68.9 67.8	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	Load Padius (ft) 22.0 24.0 26.0 28.0 30.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0	80.6 79.6 78.6 77.7 76.7 75.7 74.7 72.7 70.7 69.7 68.6	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 40.0 42.0 44.0 48.0 50.0	80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4	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
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 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 49,300 46,500 43,700	Load Padius (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 48.0	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 64.1	360° Pated 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 40,700 38,700	Load Padius (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 50.0	81.8 80.8 79.7 78.6 77.6 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 40,700 33,400 40,700 38,700 36,600	Load Padius (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	80.6 79.6 75.7 76.7 75.7 74.7 70.7 68.6 67.6 67.6 65.0	98,700 * 94,200 * 88,000 * 79,900 61,100 56,800 52,500 48,700 45,800 40,200 38,300 36,300 32,000	Load Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 40.0 44.0 46.0 48.0 55.0 60.0	81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 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 31,600 28,100
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 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	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 49,300 40,900	10 Load Padius (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 48.0 50.0	81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 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 40,200 43,400 40,700 38,700 38,700 36,600	Load Padius (ft) 20.0 24.0 24.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 48.0 50.0 55.0	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	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	Load Padius (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	80.6 79.6 76.7 75.7 75.7 71.7 70.7 69.7 69.6 67.6 67.6 65.0 62.3	360° Pated 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 Padius (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	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° Pated 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
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 48.0	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 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500 43,700 40,900 38,900	Load Padius (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 48.0	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 64.1	360° Pated 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 40,700 38,700	Load Padius (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 50.0	81.8 80.8 79.7 78.6 77.6 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 * 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 Padius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 46.0 48.0 50.0 55.0 60.0 65.0	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	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 30,300 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 48.0 50.0 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 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 31,600 28,100
Load Padius (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 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 40,900 33,900 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 36.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0	81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 67.9 66.6 65.4 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 Padius (ft) 20.0 24.0 24.0 28.0 30.0 34.0 36.0 38.0 40.0 46.0 48.0 50.0 60.0 65.0 70.0	80.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 67.8 66.6 65.4 62.5 59.5 56.5 53.2	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 23,500	Load Padius (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 50.0 655.0 60.0 70.0 75.0	80.6 79.6 78.6 77.7 76.7 75.7 74.7 73.7 72.7 71.7 70.7 69.7 68.6 67.6 65.0 62.3 59.6 56.8 53.8	98,700 * 94,200 * 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 Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 48.0 50.0 55.0 60.0 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 36,000 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 40.0 42.0 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 * 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 38,900 32,500 29,000	10 Load Padius (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 48.0 50.0 55.0 60.0 65.0 70.0	81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 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 Padius (ft) 20.0 24.0 24.0 28.0 30.0 32.0 34.0 36.0 44.0 48.0 50.0 65.0 70.0 75.0	80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 66.6 65.4 62.5 59.5 56.5 59.5 54.9 9	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 36,600 32,300 25,900 223,500 21,400	Load Padius (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 65.0 67.0 75.0 80.0	80.6 79.6 78.6 77.7 76.7 75.7 71.7 72.7 71.7 70.7 69.7 69.6 67.6 65.0 62.3 59.6 56.8 50.8	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	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	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 19,000 17,500
17.0 18.0 19.0 20.0 22.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 46.0 48.0 50.0 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 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 * 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 32,500 22,000 226,100 23,800	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 46.0 48.0 50.0 55.0 60.0 65.0	81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 65.4 64.1 62.8 59.5 56.1 52.5 48.8 40.5	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 33,700 36,600 32,300 28,700 25,900 23,500 21,400 19,600	Load Padius (ft) 20.0 24.0 24.0 28.0 30.0 34.0 36.0 38.0 40.0 46.0 48.0 50.0 60.0 65.0 70.0	80.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 67.8 66.6 65.4 62.5 59.5 56.5 53.2	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 38,700 32,300 28,700 21,400 19,600 18,100	Load Padius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 42.0 44.0 45.0 65.0 65.0 70.0 75.0 80.0 90.0	80.6 79.6 78.6 77.7 76.7 75.7 74.7 73.7 72.7 71.7 70.7 69.7 68.6 67.6 65.0 62.3 59.6 56.8 53.8	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 61,100 56,800 52,500 48,700 45,800 40,200 38,300 32,000 28,300 28,300 23,200 21,200 17,700 16,500	Load Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 48.0 50.0 55.0 60.0 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 56,600 52,300 48,400 45,600 42,800 40,000 31,600 28,100 25,200 22,900 20,900 19,000 17,500 16,100 15,000
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 44.0 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 74.8 73.5 72.1 70.8 69.4 68.6 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 46,500 43,700 40,900 38,900 32,500 29,000 26,100 23,800 21,800	Load Padius (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 46.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 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 38,700 38,700 28,700 25,900 21,400 19,600 18,100	Load Padius (ft) 20.0 24.0 24.0 28.0 32.0 32.0 36.0 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 77.6.5 77.5.4 74.3 73.2 72.2 71.1 70.0 68.9 66.6 65.4 62.5 56.5 56.5 54.9 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 38,700 32,300 28,700 21,400 19,600 118,100 16,800	Load Padius (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 65.0 70.0 75.0 80.0 90.0 95.0	80.6 79.6 76.7 75.7 72.7 71.7 70.7 70.7 68.6 65.0 62.3 59.6 56.8 50.8 47.7 44.3 40.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 61,100 66,100 61,100 52,500 48,700 45,800 40,200 38,300 32,000 28,300 23,200 21,200 19,400 17,700 16,500 15,300	Load Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 34.0 44.0 46.0 48.0 55.0 65.0 70.0 75.0 80.0 90.0 95.0	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 * 78,200 * 71,900 65,900 56,600 52,300 48,400 45,600 42,800 40,000 31,600 28,100 25,200 22,900 20,900 19,000 17,500 16,100 15,000 14,000
17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 42.0 44.0 44.0 46.0 48.0 50.0 55.0 60.0 70.0 75.0 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 47.4 9.3 9.9 37.9 32.2	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 49,300 49,300 40,900 38,900 32,500 29,000 26,100 23,800 21,800 20,100	10 Load Padius (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 44.0 46.0 48.0 50.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0	81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 62.8 59.5 56.1 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 80,200 72,400 66,300 61,300 57,000 52,700 48,900 40,700 38,700 38,700 38,700 25,900 21,400 19,600 18,100 16,900	Load Padius (ft) 20.0 24.0 24.0 28.0 30.0 32.0 40.0 44.0 48.0 46.0 65.0 65.0 70.0 85.0 90.0 95.0	80.8 79.7 78.6 77.5 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 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 40,700 38,700 36,600 32,300 28,700 21,400 19,600 18,100 16,800 15,600	Load Padius (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 65.0 70.0 75.0 80.0 90.0 95.0 100.0	80.6 79.6 76.7 75.7 75.7 71.7 70.7 69.7 61.6 65.0 62.3 59.6 56.8 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 Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 44.0 48.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 110.0	80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0 51.6 48.7 45.6 48.7 45.6	360° Pated 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 20,900 19,000 17,5000 16,100 15,000 14,000 12,100
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 44.0 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 74.8 73.5 72.1 70.8 69.4 68.6 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 46,500 43,700 40,900 38,900 32,500 29,000 26,100 23,800 21,800	Load Padius (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 46.0 48.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 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 38,700 38,700 28,700 25,900 21,400 19,600 18,100	Load Padius (ft) 20.0 24.0 24.0 28.0 32.0 32.0 36.0 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 77.6.5 77.5.4 74.3 73.2 72.2 71.1 70.0 68.9 66.6 65.4 62.5 56.5 56.5 54.9 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 38,700 32,300 28,700 21,400 19,600 118,100 16,800	Load Padius (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 65.0 70.0 75.0 80.0 90.0 95.0	80.6 79.6 76.7 75.7 72.7 71.7 70.7 70.7 68.6 65.0 62.3 59.6 56.8 50.8 47.7 44.3 40.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 61,100 66,100 61,100 52,500 48,700 45,800 40,200 38,300 32,000 28,300 23,200 21,200 19,400 17,700 16,500 15,300	Load Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 34.0 44.0 46.0 48.0 55.0 65.0 70.0 75.0 80.0 90.0 95.0	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 * 78,200 * 71,900 65,900 56,600 52,300 48,400 45,600 42,800 40,000 31,600 28,100 25,200 22,900 20,900 19,000 17,500 16,100 15,000 14,000

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

Main Boom Lift Capacity

14	0' Boo	om	15	0' Boo	om 💮	16	0' Boo	om	17	0' B oo	om	18	0' Boo	om
Load	Воот	360°	Load	Воот	360°	Load	Boom	360°	Load	Boom	360°	Load	Воот	360°
Radius (ft)	Angle	Rated Load	Radius			Radius (ft)		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)
24.0 26.0	81.9 81.1	72,900 * 71,800 *	26.0 28.0	81.7 80.9	62,200 * 61,300 *	28.0 30.0	81.5 80.8	50,200 * 50,100 *	30.0 32.0	81.3 80.7	44,500 * 43,900 *	30.0 32.0	81.8 81.2	39,300 * 38,800 *
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 32.0	79.4 78.6	69,000 * 64,700 *	32.0 34.0	79.4 78.6	59,400 * 57,200 *	34.0 36.0	79.4 78.6	49,200 * 48,500 *	36.0 38.0	79.3 78.6	42,500 * 41,900 *	36.0 38.0	79.9 79.2	37,600 * 37,000 *
34.0	77.8	60,500	36.0	77.8	54,100 *	38.0	77.9	47,800 *	40.0	77.9	41,200 *	40.0	78.6	36,400 *
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 40.0	76.1 75.2	52,000 48,200	40.0 42.0	76.3 75.5	48,000 45,200	42.0 44.0	76.4 75.6	44,300 * 42,100 *	44.0 46.0	76.5 75.8	40,000 * 39,300 *	44.0 46.0	77.2 76.6	35,100 * 34,500 *
42.0	74.4	45,400	44.0	74.7	42,400	46.0	74.9	39,800	48.0	75.1	37,400 *	48.0	75.9	33,900 *
44.0 46.0	73.5 72.7	42,600 39,800	46.0 48.0	73.9 73.1	39,600 37,500	48.0 50.0	74.1 73.4	37,800 35,800	50.0 55.0	74.4 72.6	35,400 * 31,200	50.0 55.0	75.3 73.7	33,300 * 30,800 *
48.0	71.8	37,800	50.0	72.3	35,500	55.0	71.5	31,400 27,800	60.0	70.9	27,600	60.0	72.0	27,400
50.0 55.0	71.0 68.8	35,800 31,400	55.0 60.0	70.3 68.2	31,200 27,600	60.0 65.0	69.6 67.7	27,800 25,000	65.0 70.0	69.1 67.3	24,600 22,300	65.0 70.0	70.3 68.6	24,400 21,900
60.0	66.6	27,800	65.0	66.2	24,800	70.0	65.8	22,600	75.0	65.4	20,300	75.0	66.9	19,900
65.0	64.3	25,000	70.0	64.0	22,400	75.0	63.8	20,500	80.0	63.5	18,500	80.0	65.2	18,100
70.0 75.0	62.0 59.7	22,600 20,500	75.0 80.0	61.9 59.6	20,300 18,500	80.0 85.0	61.8 59.7	18,700 17,000	85.0 90.0	61.6 59.7	16,800 15,400	85.0 90.0	63.4 61.6	16,600 15,200
80.0	57.3	18,700	85.0	57.4	17,000	90.0	57.6	15,700	95.0	57.8	14,300	95.0	59.8	14,000
85.0 90.0	54.8 52.2	17,200 15,900	90.0 95.0	55.2 52.8	15,700 14,400	95.0 100.0	55.4 53.2	14,500 13,500	100.0 110.0	55.8 51.5	13,300 11,500	100.0 110.0	57.9 54.0	12,900 11,100
95.0	49.5	14,600	100.0	50.3	13,400	110.0	48.6	11,700	120.0	47.0	9,800	120.0	49.9	9,600
100.0 110.0	46.8 40.8	13,600 11,900	110.0 120.0	45.1 39.3	11,700 10,300	120.0 130.0	43.6 38.1	10,100 8,900	130.0 140.0	42.2 36.8	8,700 7,700	130.0 140.0	45.6 40.9	8,500 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
130.0 135.0	25.7 20.5	9,200 8,830	140.0	24.3	8,000	150.0	23.7	7,100	160.0	23.2	5,900	160.0 165.0	29.7 26.5	5,600 5,100
-		-										105.0	20.5	3,100
і нее	ves l	4	l Ree	ves	4	Ree	ves	2	Ree	ves	2	Ree	ves	2
	ves 0' Boo			eves 0' Boo		Ree	ves	2	Ree	eves	2	Ree	eves	2
19	o' Boom		20	oves O' Boom Boom		Ree	eves	2	Ree	eves	2	Ree	eves	2
19 Load Radius	0' Boom Boom Angle	360° Pated Load	20 Load Radius	0' Boom Boom Angle	360° Pated Load	Ree	eves	2	Rec	eves	2	Rec	eves	2
Load Padius (ft)	0' Boom Angle (deg.)	360° Rated Load (lbs)	Load Padius (ft)	O' Boom Angle (deg.)	360° Pated Load (lbs)	Ree	eves	2	Rec	eves	2	Rec	eves	2
Load Padius (ft)	O' Boom Angle (deg.) 81.6	360° Pated Load (lbs) 34,400 *	Load Padius (ft) 34.0	Boom Angle (deg.)	360° Pated Load (lbs) 30,300 *	Ree	eves	2	Rec	eves	2	Rec	eves	2
Load Padius (ft) 32.0 34.0 36.0	0' Boom Angle (deg.) 81.6 81.0 80.4	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 *	Load Radius (ft) 34.0 36.0 38.0	0' Boom Angle (deg.) 81.5 80.9 80.3	360° Pated Load (lbs) 30,300 * 29,700 * 29,200 *	Ree	eves	2	Ree	eves	2	Ree	eves	2
Load Radius (ft) 32.0 34.0 36.0 38.0	81.6 80.4 79.8	360° Pated 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 79.7	360° Pated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 *	Rec	eves	2	Ree	eves	2	Rec	eves	2
19 Load Padius (ft) 32.0 34.0 36.0 38.0 40.0 42.0	0' Boom Angle (deg.) 81.6 81.0 80.4	360° Pated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 *	Load Radius (ft) 34.0 36.0 38.0	81.5 80.9 80.3 79.7 79.1 78.6	360° Pated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,700 *	Rec	ves	2	Ree	eves	2	Ree	eves	2
19 Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0	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 Padius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 46.0	80.5 80.3 80.3 79.7 79.1 78.6 78.0	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,700 * 27,300 *	Ree	ves	2	Rec	eves	2	Rec	eves	2
Load Padius (ft) 32.0 34.0 36.0 40.0 42.0 44.0 46.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4	360° Pated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 31,700 * 31,100 * 30,600 *	20 Load Padius (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 * 27,700 * 27,300 * 26,800 *	Ree	ves	2	Rec	eves	2	Rec	eves	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	80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8 75.3	360° Pated Load (lbs) 30,300 * 29,700 * 29,200 * 28,200 * 27,700 * 27,300 * 26,300 * 24,900 *	Ree	ves	2	Rec	eves	2	Rec	eves	2
Load Padius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0 55.0	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	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 * 28,100 *	20 Load Padius (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° Pated Load (lbs) 30,300 * 29,700 * 29,200 * 28,200 * 27,700 * 27,300 * 26,800 * 26,300 * 24,900 * 23,200 *	Ree	ves	2	Rec	eves	2	Rec	eves	2
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 44.0 48.0 55.0 60.0 65.0	81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.1 74.5 73.0 71.4	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 Padius (ft) 34.0 36.0 38.0 40.0 42.0 46.0 48.0 50.0 60.0 65.0 70.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9	360° Pated 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	Rec	eves	2	Rec	eves	2
19 Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 44.0 48.0 55.0 60.0 65.0 70.0	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	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 32,200 * 31,700 * 30,600 * 29,600 * 28,100 * 24,000 * 21,800	20 Load Padius (ft) 34.0 36.0 38.0 40.0 42.0 46.0 48.0 50.0 60.0 65.0 70.0 75.0	Boom Angle (deg.) 81.5 80.9 81.5 80.9 79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9 69.3	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 27,300 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 *	Ree	ves	2	Rec	eves	2	Rec	eves	2
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 44.0 48.0 55.0 60.0 65.0	81.6 81.0 80.4 79.8 79.2 78.6 78.0 77.4 76.1 74.5 73.0 71.4	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 Padius (ft) 34.0 36.0 38.0 40.0 42.0 46.0 48.0 50.0 60.0 65.0 70.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9	360° Pated 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	Rec	eves	2	Rec	eves	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 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	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 18,000 16,400	20 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 85.0 90.0	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° Pated Load (lbs) 30,300 * 29,700 * 29,200 * 28,200 * 27,700 * 27,300 * 26,300 * 24,900 * 23,200 * 21,500 * 17,100 * 15,900 * 14,700	Ree	ves		Rec	eves	2	Rec	eves	2
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 85.0 90.0	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 * 33,300 * 32,700 * 32,200 * 31,700 * 31,100 * 29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900 18,000 15,000	20 Load Padius (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	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° Pated 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 * 14,700 13,500	Ree	ves		Rec	eves	2	Rec	eves	2
Load Radius (ft) 32.0 34.0 36.0 40.0 44.0 48.0 65.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0	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 * 31,700 * 31,100 * 30,600 * 29,600 * 24,000 * 24,000 * 24,000 * 21,800 19,900 18,000 15,000 13,900 12,900	20 Load Padius (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	80.5 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° Pated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 27,700 * 27,300 * 26,300 * 24,900 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 * 14,700 13,500 12,400 10,600	Ree	ves		Rec	eves	2	Rec	eves	
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 44.0 48.0 55.0 65.0 75.0 85.0 90.0 100.0 110.0	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 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 * 29,600 * 24,000 * 21,800 19,900 18,000 16,400 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 70.0 90.0 95.0 100.0 110.0 120.0	80.9 80.3 79.7 79.1 78.6 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° Pated 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		Rec	eves	2	Rec	eves	
Load Radius (ft) 32.0 34.0 36.0 40.0 44.0 48.0 65.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0	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 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 * 24,000 * 24,000 * 24,000 * 21,800 19,900 16,400 15,000 13,900 12,900 11,000 9,400 8,200	20 Load Padius (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	80.5 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° Pated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 27,700 * 27,300 * 26,300 * 24,900 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 * 14,700 13,500 12,400 10,600	Ree	ves		Rec	eves	2	Rec	eves	
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 85.0 90.0 100.0 120.0 130.0 140.0	81.6 81.0 80.4 79.8 79.2 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 56.2 52.5 44.3	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 31,700 * 31,100 * 29,600 * 28,100 * 26,200 * 24,000 * 24,000 * 21,800 19,900 16,400 15,000 13,900 12,900 11,000 9,400 8,200 7,200	20 Load Padius (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	80.9 80.3 79.7 79.1 78.6 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° Pated Load (lbs) 30,300 * 29,700 * 29,200 * 28,200 * 27,700 * 26,800 * 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		Rec	eves	2	Rec	eves	
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 90.0 100.0 110.0 120.0 150.0	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 59.7 56.3 39.7	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 31,700 * 31,100 * 30,600 * 29,600 * 24,000 * 21,800 19,900 18,000 13,900 11,000 9,400 8,200 7,200 6,300	20 Load Padius (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 73.8 72.4 66.2 64.6 63.0 61.4 58.1 54.6 51.1 47.2	360° Rated Load (lbs) 30,300 * 29,700 * 29,200 * 28,700 * 27,300 * 26,800 * 24,900 * 23,200 * 21,500 * 17,100 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800 6,500	Ree	ves		Rec	eves	2	Rec	eves	
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 85.0 90.0 100.0 120.0 130.0 140.0	81.6 81.0 80.4 79.8 79.2 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 56.2 52.5 44.3	360° Rated Load (lbs) 34,400 * 33,800 * 33,300 * 32,700 * 31,700 * 31,100 * 29,600 * 28,100 * 26,200 * 24,000 * 24,000 * 21,800 19,900 16,400 15,000 13,900 12,900 11,000 9,400 8,200 7,200	20 Load Padius (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	80.9 80.3 79.7 79.1 78.6 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° Pated Load (lbs) 30,300 * 29,700 * 29,200 * 28,200 * 27,700 * 26,800 * 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		Rec	eves	2	Rec	eves	

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

	80	' Boor	n																				
			ft Jib					40 t	t Jib					50 f	t J ib					60 1	t J ib		
		O set Ar	ngle (d	<u> </u>				O set An	gle (d					O set An	igle (d	<u> </u>				O set Ar	gle (d		
Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom	Pated	Load	30 Boom	Rated	Load	10 Boom	Pated	Load	30 Boom	Rated
Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)		Load (lbs)	Padius (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)	Padius (ft)	Angle (deg.)	Load (lbs)
30.0	79.3	24,000*				34.0	79.3	24,000*				38.0	79.3	20,000*				40.0	79.8	18,000*			
32.0 34.0	78.0 77.0	24,000* 24,000*				36.0 38.0	78.3 77.4	24,000 * 24,000*				40.0 45.0	78.4 76.1	20,000 * 20,000*				45.0 50.0	77.7 75.6	18,000* 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 73.8	24,000* 24,000 *	38.0	79.6 78.5	21,000* 21,000 *	45.0 50.0	73.9	24,000* 24,000 *	45.0 50.0	79.7	15,360* 14,480 *	55.0 60.0	71.3 68.9	18,560*	55.0	78.0 75.5	11,080* 10,490 *	60.0	71.2 69.0	14,850*	60.0	78.7 76.4	8,950* 8,480 *
40.0 45.0	71.1	24,000*	40.0 45.0	75.7	20,700*	55.0	71.4 68.7	22,480*	55.0	77.1 74.3	13,640*	65.0	66.5	17,080 * 15,800*	60.0 65.0	73.0	9,980*	65.0 70.0	66.7	13,730 * 12,760*	65.0 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 60.0	65.3 62.4	24,000* 24,000 *	55.0 60.0	69.7 66.7	18,380* 17,500 *	65.0 70.0	63.4 60.6	19,180* 17,870 *	65.0 70.0	68.8 65.9	12,360* 11,830 *	75.0 80.0	61.3 58.7	13,710* 12,870 *	75.0 80.0	67.6 64.8	9,100* 8,730 *	80.0 85.0	61.9 59.5	11,130* 10,470 *	80.0 85.0	69.0 66.5	7,340* 7,030 *
65.0	59.3	22,920	65.0	63.6	16,710*	75.0	57.6	16,660*	75.0	62.7	11,350*	85.0	56.0	12,140*	85.0	62.0	8,420*	90.0	57.0	9,870*	90.0	63.9	6,760*
70.0 75.0	56.2 52.8	20,810 18,910	70.0 75.0	60.3 56.7	16,020 * 15,380*	80.0 85.0	54.6 51.5	15,670 * 14,810*	80.0 85.0	59.6 56.3	10,930* 10,560*	90.0 95.0	53.2 50.0	11,500 * 10,890*	90.0 95.0	59.0 55.6	8,130 * 7,840*	95.0 100.0	54.2 51.5	9,320* 8,860*	95.0 100.0	60.9 58.1	6,500* 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 90.0	45.7 41.8	16,020 14,850				95.0 100.0	44.6 40.8	13,310* 12,690 *				105.0 110.0	43.6 40.0	9,890* 9,470 *				110.0 115.0	45.7 42.3	8,060* 7,690 *	110.0	51.8	5,930*
95.0	37.2	13,750				105.0	36.7	12,120				115.0	35.8	9,080*				120.0	38.8	7,380*			
100.0	32.4	12,830				110.0	32.1	11,350*										125.0	35.1	7,120*			
Ree	ves	1	Ree	eves	1	Rea	eves	1	Ree	eves	1	Ree	ves	1	Rea	eves	1	Ree	eves	1	Ree	ves	1
	90	' Boor	n								,												
		30 t	ft J ib					40 t	t J ib						t J ib						t J ib		
	10	O set An	ngle (d	eg.) 30			10	O set An	igle (d	eg.) 30			10	O set An	ngle (d	leg.) 30			10	O set Ar	igle (d	eg.) 30	
Load	Boom	Pated	Load Radius	Boom	Rated	Load	Boom	Rated	Load	Boom	Rated	Load	Boom	Pated	Load	Boom	Rated	Load	Boom	Pated	Load	Boom	Rated Load
Padius (ft)	Angle (deg.)	Load (lbs)	(ft)	Angle (deg.)	Load (lbs)	Padius (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)	Padius (ft)	Angle (deg.)	(lbs)
32.0 34.0	79.1 78.1	24,000* 24,000 *				36.0 38.0	79.3 78.4	24,000* 24,000 *				38.0 40.0	80.0 79.2	20,000* 20,000 *				45.0 50.0	78.6 76.6	18,000* 18,000 *			
36.0	77.1	24,000*				40.0	77.5	24,000*				45.0	77.1	20,000*				55.0	74.5	16,970*			
38.0 40.0	76.2	24,000* 24,000*	40.0	70.5	21.000*	45.0 50.0	75.2	24,000 * 24,000*	50.0	70 2	14,810*	50.0 55.0	75.0	20,000 * 19,550*	55.0	70 0	11,300*	60.0	72.5 70.5	15,630* 14,460*	60.0 65.0		9,100* 8,660*
45.0	75.2 72.7	24,000 *	45.0	79.5 77.0	21,000* 21,000 *	55.0	72.9 70.4	23,890*	55.0	78.2 75.6	14,020*	60.0	72.7 70.5	18,000*	60.0	78.9 76.7	10,730*	65.0 70.0	68.4	13,470*	70.0	77.4 75.3	8,240*
50.0	70.2	24,000*	50.0	74.4 71. 6	20,100*	60.0	68.1	22,020*	60.0	73.2 70.7	13,330* 12,760*	65.0	68.3 66.1	16,730*	65.0	74.4	10,250*	75.0	66.1	12,520*	75.0	72.9	7,870*
55.0 60.0	67.5 64.9	24,000* 24,000*	55.0 60.0	71.6 68.9	19,020* 18,120*	65.0 70.0	65.6 63.2	20,410* 19,040*	65.0 70.0	70.7 68.1	12,760 * 12,230*	70.0 75.0	66.1 63.6	15,580 * 14,520*	70.0 75.0	72.0 69.5	9,780 * 9,360*	80.0 85.0	64.0 61.8	11,770* 11,080*	80.0 85.0	70.7 68.4	7,530* 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 75.0	59.4 56.4	20,540 18,620	70.0 75.0	63.3 60.2	16,620* 15,960 *	80.0 85.0	57.8 55.1	16,730* 15,800 *	80.0 85.0	62.5 59.7	11,300* 10,930 *	85.0 90.0	58.8 56.3	12,890* 12,210 *	85.0 90.0	64.5 61.8	8,680* 8,370 *	95.0 100.0	57.1 54.7	9,890* 9,390 *	95.0 100.0	63.4 60.9	6,700* 6,480 *
80.0	53.5	17,080	80.0	57.1	15,430*	90.0	52.3	14,740	90.0	56.7	10,580*	95.0	53.6	11,570*	95.0	58.9	8,110*	105.0	52.2	8,950*	105.0	58.3	6,280*
85.0		15,760	85.0	53.9	14,940*	95.0 100.0	49.1 46.0	13,620 12,690	95.0	53.4	10,270*	100.0 105.0	50.9 48.0	11,020 * 10,530*	100.0 105.0		7,870 * 7,640*	110.0 115.0	49.6 46.7	8,550 * 8,150*	110.0 115.0	55.5 52.4	6,100* 5,930*
	50.4 47.1	1				100.0		, _,				110.0	45.1	10,070*			. ,0 10	120.0	43.8	7,820*			2,200
90.0 95.0	47.1 43.4	14,570 13,470				105.0	42.7	11,860															
90.0 95.0 100.0	47.1 43.4 39.7	14,570 13,470 12,540				105.0 110.0	42.7 39.1	11,080				115.0 120.0	41.7 38.2	9,650*				125.0	40.7	7,530*			
90.0 95.0	47.1 43.4	14,570 13,470				105.0	42.7 39.1					115.0	41.7										

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

	100)' Boo	m																				
			t J ib						t J ib						t J ib						t J ib		
	10	O set An	igle (d	'eg.) 30			10	O set An	igle (d	eg.) 30			10	O set An	igle (d	eg.) 30			10	O set An	gle (d	eg.) 30	
Load Padius	Boom Angle	Rated Load	Load Radius	Boom Angle	Rated Load	Load Radius	Boom Angle	Pated Load	Load Radius	Boom Angle	Rated Load	Load Radius	Boom Angle	Pated Load	Load Padius	Boom Angle	Rated Load	Load Radius	Boom Angle	Rated Load	Load Padius	Boom Angle	Rated Load
(ft) 32.0 34.0 36.0 38.0 40.0 45.0 50.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0	79.9 79.0 78.1 77.2 76.4 74.1 71.8 69.3 67.0 64.5 62.1 59.4 56.7 54.0 51.2 48.1 45.0 38.1 34.0	(lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 15,520 14,320 13,220 12,270 11,460 10,690 9,980	45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	78.0 75.7 73.2 70.7 68.2 65.7 62.9 60.2 57.4 54.5 51.2	21,000* 20,650* 19,570* 18,690* 17,190* 16,510* 15,450* 14,570 13,420	(f) 36.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 110.0 120.0 125.0	(deg.) 80.0 79.2 78.4 76.3 74.2 71.9 69.7 67.5 65.3 62.8 60.4 58.0 55.5 52.8 50.1 47.2 44.3 40.9 37.4 33.7	(lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 23,280* 21,620* 20,190* 18,620 17,060 15,710 14,500 13,380 12,450 11,590 10,840 10,110 9,470 8,860*	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	79.1 76.7 74.5 72.2 69.9 67.3 64.9 62.4 59.8 56.9 54.0	15,100* 14,320* 13,660* 13,090* 12,560* 12,050* 11,640* 10,910* 10,580* 10,310*	(f) 40.0 45.0 50.0 65.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 120.0 125.0 130.0 135.0	79.9 78.0 76.0 73.9 71.9 69.9 67.8 65.6 63.4 61.2 59.0 56.5 54.1 49.0 49.0 43.2 40.2 36.8 33.2	(lbs) 20,000* 20,000* 20,000* 20,000* 18,930* 17,590* 16,420* 15,340* 12,910* 12,230* 11,150* 10,670* 10,200* 9,590 9,010 8,480 7,800*	55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	79.7 77.7 75.5 73.4 71.1 68.8 66.5 64.2 61.6 59.1 56.4 53.7	11,500* 10,950* 10,470* 10,030* 9,610* 9,230* 8,920* 8,610* 8,330* 8,090* 7,870* 7,690*	45.0 45.0 60.0 65.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 125.0 135.0 140.0 145.0	79.3 77.5 75.5 73.7 71.8 69.9 67.8 65.8 61.7 59.5 57.3 55.1 42.3 39.4 43.5 9.5 32.4	(lbs) 18,000* 18,000* 17,720* 16,350* 15,160* 14,130* 13,160* 12,360* 11,040* 10,420* 9,920* 9,450* 9,030* 8,610* 8,280* 7,950* 7,670* 7,400* 7,140* 6,810*	65.0 70.0 75.0 80.0 85.0 95.0 100.0 115.0 120.0	78.3 76.3 74.2 72.1 70.0 65.5 63.2 60.9 55.7 53.1	8,810* 8,420* 8,040* 7,710* 7,420* 7,160* 6,670* 6,450* 6,100* 5,950*
- Por	eves	1	Por	eves	1	Poo	ves	1	Poo	eves	1	Ree	1100	1	Poo	ves	1	Por	eves	1	Pos	ves	1
nec)' Boo		ves	'	nec	ves	•	nec	ves		nec	ves	'	nec	ves	'	nec	ves	<u>'</u>	nec	ves	'
	110		t Jib					10.1	t Jib						r. Fl.								
	(O set An						401						יוור.	T.IID					60 1	t.lih		
Lood	10		igie (a	leg.)			(3 set An		leg.)			() set An	t Jib ngle (d	eg.)			(60 t D set An	t Jib gle (d	eg.)	
Load Padius (ft)	Boom Angle			30		Land	10	O set An	gle (d	30	Dutad	land	10) set An	gle (d	30		Land	10	O set An	gle (d	30	Dated
34.0	(deg.)	Rated Load (lbs)	Load Radius (ft)	<u> </u>	Pated Load (lbs)	Load Padius (ft)	Boom Angle (deg.)	Pated Load (lbs)		30 Boom	Rated Load (lbs)	Load Padius (ft)	Boom Angle (deg.)	Pated Load (lbs)		<u> </u>	Pated Load (lbs)	Load Padius (ft)	Boom Angle (deg.)	Pated Load (lbs)			Pated Load (lbs)
36.0 38.0 40.0 45.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0 1105.0 115.0 125.0	79.8 79.0 78.2 77.3 75.3 73.2 70.9 68.7 66.5 64.3 57.0 54.5 51.8 49.1 46.3 39.9 36.5	Rated Load	Load Padius (ft)	79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7 60.2 57.6 54.8	Pated Load (lbs)	Radius	79.9 79.2 77.2 75.3 73.2 69.1 64.8 62.7 60.5 58.2 45.3 42.5 39.4 36.1	Pated Load	gle (d Load Radius	30 Boom Angle (deg.) 79.9 77.7 75.6 73.5 71.4 69.1 66.9 64.6	Load	Radius	10 Boom Angle	Pated Load	Igle (d Load Radius	78.5 76.5 74.6 72.4 70.4 68.3 66.1 63.8 61.5 59.2 56.7	Rated Load	Padius	70 Boom Angle (deg.) 80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 55.4 53.1 50.9 48.6 46.2 43.6 40.8 37.9	Rated Load	Load Radius (ft)	30 Boom Angle	Load

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

	120)' Boo	m																				
		30 i	t Jib					40 1	t Jib					50 t	t Jib					60 i	ft J ib		
		O set Ar	igle (d					O set Ar	igle (d					O set Ar	gle (d	<u> </u>				O set Ar	ngle (d	<u> </u>	
Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom	Pated	Load	30 Boom	Rated	Load	10 Boom	Pated	Load	30 Boom	Rated	Load	Boom	Pated	Load	30 Boom	Rated
Padius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)		Load (lbs)	Padius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)		Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Padius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Padius (ft)	Angle (deg.)	Load (lbs)
36.0	79.7	24,000*	(11)	(ueg.)	(103)	40.0	79.9	24,000*	(11)	(ueg.)	(103)	45.0	79.5	20,000*	(11)	(ueg.)	(IDS)	50.0	78.9	18,000*	(11)	(ucy.)	(103)
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	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 55.0	74.3 72.2	24,000* 24,000 *	50.0 55.0	77.7 75.6	21,000* 20,560 *	60.0 65.0	72.4 70.5	24,000* 22,240	60.0 65.0	76.6 74.7	14,240* 13,690*	65.0 70.0	72.4 70.6	19,240* 18,010 *	65.0 70.0	77.4 75.6	10,860* 10,420 *	70.0 75.0	72.2 70.4	15,380* 14,390 *	70.0 75.0	78.0 76.1	8,700* 8,350 *
60.0	70.2	24,000*	60.0	73.5	19,680*	70.0	68.6	20,100	70.0	72.7	13,160*	75.0	68.7	16,840*	75.0	73.6	10,030*	80.0	68.7	13,550*	80.0	74.4	8,040*
65.0	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 80.0	63.9 61.7	17,940 16,400	75.0 80.0	67.0 64.8	17,500 * 16,790	85.0 90.0	62.5 60.5	15,250 14,040	85.0 90.0	66.4 64.3	11,860* 11,500*	90.0 95.0	63.1 61.0	14,190 13,050	90.0 95.0	67.8 65.6	9,060 * 8,770*	95.0 100.0	63.3 61.5	11,480* 10,930*	95.0 100.0	68.7 66.8	7,230 * 7,010*
85.0	59.5	15,050	85.0	62.6	15,410	95.0	58.2	12,910	95.0	62.0	11,170*	100.0	59.0	12,100	100.0	63.6	8,500*	105.0	59.6	10,420*	105.0	64.9	6,790*
90.0	57.3	13,860	90.0	60.2	14,170	100.0	56.0	11,970	100.0	59.7	10,860*	105.0	57.0	11,260	105.0	61.4	8,280*	110.0	57.7	9,960*	110.0	62.9	6,610*
95.0	54.8	12,740	95.0	57.7	13,020	105.0	53.8	11,130	105.0	57.4	10,600*	110.0	54.9	10,490	110.0	59.3	8,060*	115.0	55.6	9,520*	115.0	60.7	6,410*
100.0 105.0	52.4 49.9	11,790 10,950	100.0 105.0	55.2 52.6	12,050 11,170	110.0 115.0	51.5 48.9	10,360 9,630	110.0 115.0	55.0 52.3	10,360* 9,870	115.0 120.0	52.6 50.4	9,740 9,100	115.0 120.0	56.8 54.5	7,870* 7,690 *	120.0 125.0	53.6 51.5	9,140* 8,610	120.0 125.0	58.6 56.4	6,260* 6,100 *
110.0	47.3	10,330	.55.5	02.0	,	120.0	46.5	8,990	1.13.0	02.0	5,510	125.0	48.1	8,530	125.0	52.1	7,530*	130.0	49.3	8,060	130.0	54.1	5,970*
115.0	44.4	9,470				125.0	43.8	8,420				130.0	45.6	8,000				135.0	47.1	7,580	135.0	51.7	5,860*
120.0	41.6	8,860				130.0	41.1	7,890				135.0	43.1	7,510				140.0	44.6	7,090			
125.0 130.0	38.5 35.2	8,280 7,690*				135.0 140.0	38.1 34.7	7,420 6,700*				140.0 145.0	40.3 37.4	7,030 6,540*				145.0 150.0	42.2 39.6	6,670 6,300			
135.0	31.6	6,830*				140.0	JT./	0,700				150.0	34.3	5,880*				155.0	36.8	5,730*			
		,												,				160.0	33.6	5,090*			
Rec	eves	1	Ree	eves	1	Ree	ves	1	Rec	eves	1	Ree	ves	1	Ree	ves	1	Rec	eves	1	Rec	eves	1
	130)' Boo	m																				
	-	30 1	t Jib					40 1	t Jib					501	t Jib					60 i	ft J ib		
		O set Ar		leg.)			(40 t O set Ar		leg.)			(50 t O set Ar		eg.)			(60 i O set Ar		eg.)	
	10	O set Ar	ngle (d	30			10	O set An	ngle (d	30			10	O set An	gle (d	30			10	O set Ar	ngle (d	30	
Load Padius (ft)		O set Ar		30 Boom	Pated Load (lbs)	Load Padius (ft)		O set An		30 Boom	Pated Load (lbs)	Load Radius (ft)		O set An			Pated Load (lbs)	Load Padius (ft)		O set Ar		30 Boom	Rated Load (lbs)
Padius	Boom Angle	Pated Load (lbs) 24,000*	Igle (d Load Radius	30 Boom Angle	Load	Padius	Boom Angle	Pated Load (lbs) 24,000*	Igle (d Load Radius	30 Boom Angle	Rated Load	Padius	10 Boom Angle	Pated Load (lbs) 20,000*	Load Radius	30 Boom Angle	Load	Padius	Boom Angle	Pated Load (lbs) 18,000*	Load Radius	30 Boom Angle	Load
### Radius (ft) 38.0 40.0	10 Boom Angle (deg.) 79.7 79.0	Rated Load (lbs) 24,000*	Igle (d Load Radius	30 Boom Angle	Load	### Adius (ft) 45.0 50.0	800m Angle (deg.) 78.8 77.1	Pated Load (lbs) 24,000*	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	### Adius (ft) 45.0 50.0	80.0 78.4	Pated Load (lbs) 20,000* 20,000*	Load Radius	30 Boom Angle	Load	Fadius (ft) 50.0 55.0	10 Boom Angle (deg.) 79.5 77.9	Pated Load (lbs) 18,000* 18,000*	Load Radius	30 Boom Angle	Load
### Radius (ft) 38.0 40.0 45.0	79.0 77.1	Pated Load (lbs) 24,000* 24,000*	Load Padius (ft)	Boom Angle (deg.)	Load (Ibs)	### Adius (ft) 45.0 50.0 55.0	75.2	Pated Load (lbs) 24,000* 24,000*	Load Radius (ft)	30 Boom Angle (deg.)	Pated Load (lbs)	### Adius (ft) 45.0 50.0 55.0	80.0 78.4 76.7	Pated Load (lbs) 20,000* 20,000*	Load Padius (ft)	30 Boom Angle (deg.)	Load (lbs)	Fadius (ft) 50.0 55.0 60.0	79.5 76.3	Pated Load (lbs) 18,000* 18,000*	Load Radius	30 Boom Angle	Load
38.0 40.0 45.0 55.0	79.7 79.0 775.3 73.4	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000*	Load Radius (ft) 50.0	30 Boom Angle (deg.) 78.5 76.5	Load (lbs) 21,000* 20,980*	45.0 50.0 55.0 60.0 65.0	800m Angle (deg.) 78.8 77.1 75.2 73.5 71.7	Pated 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	Pated Load (lbs) 15,100* 14,500* 13,930*	### Addius (ft) 45.0 50.0 55.0 60.0 65.0	80.0 78.4 76.7 73.4	Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 20,000*	Load Padius (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	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2	Pated Load (lbs) 18,000* 18,000* 18,000* 17,100* 16,000*	Load Radius (ft)	30 Boom Angle (deg.) 78.7	Load (lbs)
78.00 (ft) 38.0 40.0 45.0 55.0 60.0	79.7 79.0 77.1 75.3 73.4 71.5	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	Load Radius (ft) 50.0 55.0 60.0	30 Boom Angle (deg.) 78.5 76.5 74.6	21,000* 20,980* 20,120*	45.0 50.0 55.0 60.0 65.0 70.0	78.8 77.1 75.2 73.5 71.7 69.9	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000 19,860	Load Radius (ft) 55.0 60.0 65.0 70.0	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8	Pated Load (lbs) 15,100* 14,500* 13,930* 13,420*	45.0 50.0 55.0 60.0 65.0 70.0	80.0 78.4 76.7 75.1 73.4 71.7	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 18,760*	Load Radius (ft) 60.0 65.0 70.0	30 Boom Angle (deg.) 79.9 78.2 76.5	Load (lbs) 11,480* 11,020* 10,620*	50.0 55.0 60.0 65.0 70.0 75.0	79.5 77.9 76.3 74.8 73.2 71.5	Pated Load (lbs) 18,000* 18,000* 18,000* 17,100* 16,000* 14,960*	Load Radius (ft) 70.0 75.0	30 Boom Angle (deg.) 78.7 76.9	Load (lbs) 8,840* 8,480*
38.0 40.0 45.0 55.0	79.7 79.0 77.1 75.3 73.4 71.5 69.6	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000*	Load Radius (ft) 50.0	30 Boom Angle (deg.) 78.5 76.5	21,000* 20,980* 20,120* 19,350*	45.0 50.0 55.0 60.0 65.0	78.8 77.1 75.2 73.5 71.7 69.9 68.0	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 19,860 17,920	Load Radius (ft) 55.0 60.0 65.0	30 Boom Angle (deg.) 79.3 77.5 75.7 73.8 71.8	Pated Load (lbs) 15,100* 14,500* 13,930* 13,420* 12,940*	### Addius (ft) 45.0 50.0 55.0 60.0 65.0	80.0 78.4 76.7 73.4	Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 18,760* 17,570*	Load Padius (ft) 60.0 65.0	30 Boom Angle (deg.) 79.9 78.2	11,480* 11,020* 10,620* 10,200*	50.0 55.0 60.0 65.0 70.0	Boom Angle (deg.) 79.5 77.9 76.3 74.8 73.2	Pated Load (lbs) 18,000* 18,000* 18,000* 17,100* 16,000* 14,960* 14,100*	Load Radius (ft)	78.7 76.9 75.3	8,840* 8,480* 8,170*
38.0 40.0 45.0 55.0 60.0 65.0 70.0	79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 17,680	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0	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*	### Addius (ft) ### Addius (ft) ### Addius ##### Addius #### Addius #### Addius ######### Addius ####################################	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	79.3 77.5 75.7 73.8 69.9 68.0	7ated Load (lbs) 15,100* 14,500* 13,930* 13,420* 12,940* 12,520* 12,140*	### April 12	80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5	Pated 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 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	Pated Load (lbs) 18,000* 18,000* 18,000* 16,000* 14,960* 14,100* 13,330* 12,630*	Tool (d) Load 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*
75.0 80.0 75.0 75.0 75.0 80.0	79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.7	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 17,680 16,130	50.0 55.0 60.0 65.0 70.0 80.0	78.5 76.5 74.6 72.7 70.7 68.6 66.6	21,000* 20,980* 20,120* 19,350* 18,650* 17,960* 16,600	### Addius (ft) ### Addius (ft) ### Addius #### Addius #### Addius #### Addius #### Addius #### Addius ####################################	700 Boom Angle (deg.) 78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3 62.4	Pated Load (fbs) 24,000* 24,000* 24,000* 24,000* 22,000 19,860 17,920 16,350 14,990 13,800	55.0 60.0 65.0 70.0 75.0 80.0 85.0	79.3 77.5 75.7 73.8 71.8 69.9 68.0 66.1	Pated Load (lbs) 15,100* 14,500* 13,930* 13,420* 12,940* 12,520* 12,140* 11,770*	### Addius (ft) ### Addius (ft	80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7	Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 18,760* 17,570* 16,530 15,160 13,950	60.0 65.0 70.0 85.0 90.0	79.9 78.2 76.5 74.6 72.8 71.0 69.2	11,480* 11,020* 10,620* 10,200* 9,850* 9,540* 9,230*	75.0 50.0 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 64.8	Pated Load (lbs) 18,000* 18,000* 17,100* 16,000* 14,100* 13,330* 12,630* 11,970*	70.0 75.0 80.0 90.0 95.0	78.7 76.9 75.3 73.6 71.9 70.0	8,840* 8,480* 8,170* 7,890* 7,620* 7,360*
75.0 80.0 80.0 80.0 80.0 80.0 80.0 85.0	79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.7 61.6	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 17,680 16,130 14,790	50.0 55.0 60.0 65.0 75.0 80.0 85.0	78.5 76.5 74.6 72.7 70.7 68.6 66.6 64.5	21,000* 20,980* 20,120* 19,350* 18,650* 17,960* 16,600 15,180	### Addius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	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	Pated Load (flbs) 24,000* 24,000* 24,000* 22,000 19,860 17,920 16,350 14,990 13,800 12,650	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	7ated Load (lbs) 15,100* 14,500* 13,930* 13,420* 12,940* 12,520* 12,140* 11,770* 11,440*	### Addius (ft) ### Addius (ft	80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7 62.8	Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 18,760* 16,530 15,160 13,950 12,800	60.0 65.0 70.0 85.0 90.0 95.0	79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2	11,480* 11,020* 10,620* 10,200* 9,850* 9,540* 9,230* 8,950*	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1	Pated Load (lbs) 18,000* 18,000* 17,100* 16,000* 14,960* 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 75.0 75.0 75.0 80.0	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	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	50.0 55.0 60.0 65.0 70.0 80.0	78.5 76.5 74.6 72.7 70.7 68.6 66.6	21,000* 20,980* 20,120* 19,350* 18,650* 17,960* 16,600 15,180 13,950 12,780	### Addius (ft) ### Addius (ft) ### Addius #### Addius #### Addius #### Addius #### Addius #### Addius ####################################	70.0 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	Pated Load (flbs) 24,000* 24,000* 24,000* 24,000* 24,0000* 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	79.3 77.5 75.7 73.8 71.8 69.9 68.0 66.1	Pated Load (lbs) 15,100* 14,500* 13,930* 13,420* 12,940* 12,520* 12,140* 11,770*	### Addius (ft) ### Addius (ft	80.0 78.4 76.7 75.1 73.4 71.7 69.9 68.2 66.5 64.7	Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 20,000* 18,760* 17,570* 16,530 15,160 13,950 12,800 11,860 11,000	60.0 65.0 70.0 85.0 90.0	79.9 78.2 76.5 74.6 72.8 71.0 69.2	11,480* 11,020* 10,620* 10,200* 9,850* 9,540* 9,230* 8,950* 8,700* 8,480*	75.0 50.0 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 64.8	Pated Load (lbs) 18,000* 18,000* 17,100* 16,000* 14,100* 13,330* 12,630* 11,970*	70.0 75.0 80.0 90.0 95.0	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* 6,740*
### Radius (ft) 38.0 40.0 45.0 50.0 65.0 70.0 75.0 80.0 90.0 91.0 100.0	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 55.2	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	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 57.9	21,000* 20,980* 20,120* 19,350* 18,650* 16,600 15,180 13,950 12,780 11,810	### Addius (ft) ### 45.0 ### 55.0 ### 66.0 ### 65.0 ### 75.0 ### 85.0 ### 90.0 ### 100.0 ### 100.0 ### 110	78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3 56.3 56.3 54.2	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 22,000 19,860 11,790 11,790 10,860 10,090	55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0	79.3 77.5 75.7 73.8 71.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6	781ed Load (lbs) 15,100* 14,500* 13,930* 13,420* 12,940* 12,520* 11,770* 11,440* 11,130* 10,860* 10,420	### Addius (ft) ### Addius (ft	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	Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 20,000* 11,7570* 16,530 15,160 13,950 12,800 11,860 11,000 10,220	60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0	79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3 63.4 61.4	11,480* 11,020* 10,620* 10,200* 9,850* 9,540* 9,230* 8,950* 8,700* 8,480* 8,260*	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0	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	Pated Load (lbs) 18,000* 18,000* 18,000* 17,100* 16,000* 14,960* 14,100* 13,330* 11,970* 11,410* 10,890* 10,310 9,560	70.0 75.0 85.0 90.0 95.0 100.0 115.0	78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6	8,840* 8,480* 8,170* 7,890* 7,620* 7,140* 6,940* 6,740* 6,560*
### Radius (ft) 38.0 40.0 45.0 50.0 60.0 70.0 75.0 80.0 95.0 100.0 105.0	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 55.2 52.9	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,708 19,620 17,680 14,790 13,600 12,470 11,530 10,690	Load Padius (ft)	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* 17,960* 16,600 15,180 13,950 11,810 10,950	### Addius (ft) ### 45.0 ### 55.0 ### 65.0 ### 75.0 ### 75.0 ### 85.0 ### 90.0 ### 95.0 ### 100.0 ### 115.	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	Pated Load (lbs) 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 Padius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 115.0	79.3 77.5 75.7 73.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	7aled Load (lbs) 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	### Addius (ft) ### Addius (ft	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	Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 17,570* 16,530 13,950 11,860 11,000 10,220 9,470	Load Radius (ft)	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 95.0 100.0 115.0 120.0	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	Pated Load (lbs) 18,000* 18,000* 18,000* 17,100* 16,000* 14,400* 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 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7	8,840* 8,480* 8,170* 7,620* 7,140* 6,940* 6,740* 6,560* 6,390*
### Radius (ft) 38.0 40.0 45.0 50.0 65.0 70.0 75.0 80.0 90.0 91.0 100.0	79.0 79.7 75.3 73.4 71.5 69.6 63.7 61.6 59.6 57.3 55.2 52.9 50.6	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	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 57.9 55.6	21,000* 20,980* 20,120* 19,350* 18,650* 16,600 15,180 13,950 12,780 11,810	### Addius (ft) ### 45.0 ### 55.0 ### 66.0 ### 65.0 ### 75.0 ### 85.0 ### 90.0 ### 100.0 ### 100.0 ### 110	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	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 22,000 19,860 11,790 11,790 10,860 10,090	55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0	79.3 77.5 75.7 73.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	781ed Load (lbs) 15,100* 14,500* 13,930* 13,420* 12,940* 12,520* 11,770* 11,440* 11,130* 10,860* 10,420	### Addius (ft) ### Addius (ft	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	Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 20,000* 11,7570* 16,530 15,160 13,950 12,800 11,860 11,000 10,220	60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0	79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3 63.4 61.4	11,480* 11,020* 10,620* 10,200* 9,850* 9,540* 9,230* 8,950* 8,700* 8,480* 8,260*	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0	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	Pated Load (lbs) 18,000* 18,000* 18,000* 17,100* 16,000* 14,960* 14,100* 13,330* 11,970* 11,410* 10,890* 10,310 9,560	70.0 75.0 85.0 90.0 95.0 100.0 115.0	78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7 58.7	8,840* 8,480* 8,170* 7,890* 7,620* 7,140* 6,940* 6,740* 6,560*
Padius (ft) 38.0 40.0 45.0 50.0 65.0 670.0 770.0 99.0 100.0 115.0 115.0	79.0 77.1 75.3 73.4 71.5 69.6 67.7 61.6 59.6 57.3 55.2 52.9 50.6 48.1 45.6	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 17,6830 14,790 13,600 12,470 11,530 10,690 9,940 9,210 8,570	Load Padius (ft)	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* 17,960* 16,600 15,180 13,950 11,810 10,950	Padius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 125.0 130.0	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	Pated Load (lbs) 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 8,150 7,620	Load Padius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 115.0	79.3 77.5 75.7 73.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	7aled Load (lbs) 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 95.0 100.0 115.0 125.0 130.0	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 51.0 48.8	Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 17,570* 16,530 15,160 13,950 11,860 11,860 11,000 10,220 9,470 8,840 8,260 7,730	Gle (dd Padius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 120.0 120.0	79.9 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* 8,700* 8,480* 8,260* 8,040* 7,870*	Padius (tt) 50.0 65.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 120.0 125.0 135.0 135.0	79.5 77.9 76.3 74.8 73.2 71.5 69.9 66.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9 52.0 50.0	Pated Load (lbs) 18,000* 18,000* 18,000* 17,100* 16,000* 14,960* 14,100* 12,630* 11,410* 10,890* 10,310 9,560 8,920 8,350 7,820 7,310	70.0 75.0 80.0 105.0 115.0 125.0 135.0 135.0	78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	8,840* 8,480* 8,170* 7,620* 7,360* 7,140* 6,940* 6,740* 6,390* 6,390* 6,100* 5,970*
Padius (ft) 38.0 40.0 45.0 55.0 60.0 65.0 70.0 80.0 95.0 100.0 115.0 115.0 125.0 125.0 125.0	79.0 79.0 77.1 75.3 73.4 71.5 69.6 63.7 61.6 59.6 57.3 552.9 50.6 48.1 45.6 43.0	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 11,530 10,690 9,940 9,210 8,570 8,020	Load Padius (ft)	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* 17,960* 16,600 15,180 13,950 11,810 10,950	Padius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 105.0 115.0 120.0 135.0 135.0	78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3 62.4 60.3 56.3 56.3 54.2 49.7 47.4 45.0	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000 19,860 17,920 16,350 14,990 12,650 11,700 10,860 10,090 9,360 8,730 8,150 7,620 7,140	Load Padius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 115.0	79.3 77.5 75.7 73.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	7aled Load (lbs) 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) ### Asia	## 100 Properties of the control of	Paled Load (lbs) 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	Gle (d. Padius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 99.0 100.0 115.0 115.0 120.0 125.0	79.9 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*	Padius (ti) 50.0 65.0 60.0 65.0 70.0 75.0 80.0 105.0 110.0 115.0 120.0 125.0 135.0 140.0 140.0	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 50.0 47.8	Pated Load (lbs) 18,000* 18,000* 18,000* 17,100* 16,000* 14,100* 13,330* 12,630* 11,470* 10,890* 10,310 9,560 8,920 8,350 7,820 7,310 6,830	70.0 75.0 80.0 105.0 110.0 125.0 130.0 130.0	78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	8,840* 8,480* 8,170* 7,620* 7,140* 6,940* 6,740* 6,390* 6,230* 6,100*
Padius (ft) 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 90.0 95.0 100.0 115.0 120.0	79.0 79.0 77.1 75.3 73.4 71.5 69.6 63.7 61.6 59.6 57.3 552.9 50.6 48.1 45.6 43.0 40.2	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 17,6830 14,790 13,600 12,470 11,530 10,690 9,940 9,210 8,570	Load Padius (ft)	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* 17,960* 16,600 15,180 13,950 11,810 10,950	Padius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 125.0 130.0	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	Pated Load (lbs) 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 8,150 7,620	Load Padius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 115.0	79.3 77.5 75.7 73.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	7aled Load (lbs) 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 95.0 100.0 115.0 125.0 130.0	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 51.0 48.8	Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 17,570* 16,530 15,160 13,950 11,860 11,860 11,000 10,220 9,470 8,840 8,260 7,730	Gle (d. Padius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 99.0 100.0 115.0 115.0 120.0 125.0	79.9 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*	Padius (tt) 50.0 65.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 120.0 125.0 135.0 135.0	79.5 77.9 76.3 74.8 73.2 71.5 69.9 66.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9 52.0 50.0	Pated Load (lbs) 18,000* 18,000* 18,000* 17,100* 16,000* 14,960* 14,100* 12,630* 11,410* 10,890* 10,310 9,560 8,920 8,350 7,820 7,310	70.0 75.0 80.0 105.0 115.0 125.0 135.0 135.0	78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	8,840* 8,480* 8,170* 7,620* 7,360* 7,140* 6,940* 6,740* 6,390* 6,20* 6,100* 5,970*
Padius (ft) 38.0 40.0 45.0 55.0 65.0 65.0 77.0 80.0 85.0 99.0 100.0 110.0 120.0 125.0 135.0	79.0 79.0 77.1 75.3 73.4 71.5 69.6 63.7 61.6 59.6 57.3 552.9 50.6 48.1 45.6 43.0 40.2	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 17,680 14,790 13,600 12,470 11,530 10,690 9,940 9,210 8,570 8,020 7,490	Load Padius (ft)	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* 17,960* 16,600 15,180 13,950 11,810 10,950	Padius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 105.0 115.0 120.0 135.0 140.0	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 36.8	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000 19,860 17,920 16,350 14,990 12,650 11,700 10,860 10,090 9,360 8,730 8,150 7,620 7,140 6,670	Load Padius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 115.0	79.3 77.5 75.7 73.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	7aled Load (lbs) 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 (tt) 45.0 45.0 55.0 60.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0 1330.0 145.0 145.0 150.0	## 100 Properties of the control of	Pated 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. Padius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 99.0 100.0 115.0 115.0 120.0 125.0	79.9 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*	Padius (tt) 50.0 55.0 60.0 65.0 775.0 80.0 85.0 90.0 105.0 110.0 115.0 120.0 140.0 145.0 155.0	79.5 77.9 76.3 74.8 74.8 74.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9 54.0 47.8 45.6 43.3 41.0	Pated 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 80.0 105.0 115.0 125.0 135.0 135.0	78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	8,840* 8,480* 8,170* 7,620* 7,360* 7,140* 6,940* 6,740* 6,390* 6,20* 6,100* 5,970*
Padius (ft) 38.0 40.0 45.0 55.0 65.0 65.0 77.0 80.0 85.0 99.0 100.0 110.0 120.0 125.0 133.0	79.0 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 59.6 57.3 55.2 52.9 50.6 48.1 45.6 43.0 40.2 37.3	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 17,680 16,130 14,790 13,600 11,530 10,690 9,940 9,210 8,570 8,020 7,490 6,940*	Load Padius (ft)	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* 17,960* 16,600 15,180 13,950 11,810 10,950	Padius (ft) 45.0 50.0 55.0 60.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0 135.0 140.0 145.0	78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3 62.4 60.3 58.3 54.2 51.9 49.7 45.0 42.5 39.6 36.8	Pated 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 Padius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 115.0	79.3 77.5 75.7 73.8 71.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	7aled Load (lbs) 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 (tt) 45.0 45.0 55.0 60.0 65.0 65.0 70.0 88.0 99.0 95.0 100.0 115.0 125.0 130.0 145.0 145.0 155.0	70 Boom Angle (deg.) 80.0 78.4 71.7 75.1 775.1 775.1 69.9 68.2 66.5 64.7 62.8 61.0 59.1 55.1 51.0 48.8 44.1 41.7 39.1 36.3	Pated 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. Padius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 99.0 100.0 115.0 115.0 120.0 125.0	79.9 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*	Padius (tt) 50.0 55.0 60.0 75.0 80.0 85.0 90.0 105.0 110.0 120.0 125.0 140.0 145.0 150.0 155.0 160.0	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 47.8 45.6 43.3 41.0 38.3	Pated Load (lbs) 18,000* 18,000* 18,000* 16,000* 14,000* 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* 5,040*	70.0 75.0 80.0 105.0 115.0 125.0 135.0 135.0	78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	8,840* 8,480* 8,170* 7,620* 7,360* 7,140* 6,940* 6,740* 6,390* 6,390* 6,100* 5,970*
Padius (ft) 38.0 40.0 45.0 55.0 65.0 65.0 77.0 80.0 85.0 99.0 100.0 110.0 120.0 125.0 133.0	79.0 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 59.6 57.3 55.2 52.9 50.6 48.1 45.6 43.0 40.2 37.3	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,730 19,620 17,680 16,130 14,790 13,600 11,530 10,690 9,940 9,210 8,570 8,020 7,490 6,940*	Load Padius (ft)	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* 17,960* 16,600 15,180 13,950 11,810 10,950	Padius (ft) 45.0 50.0 55.0 60.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0 135.0 140.0 145.0	78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3 62.4 60.3 58.3 54.2 51.9 49.7 45.0 42.5 39.6 36.8	Pated 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 Padius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 115.0	79.3 77.5 75.7 73.8 71.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2	7aled Load (lbs) 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 (tt) 45.0 45.0 55.0 60.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0 1330.0 145.0 145.0 150.0	## 100 Properties of the control of	Pated 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. Padius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 99.0 100.0 115.0 115.0 120.0 125.0	79.9 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*	Padius (tt) 50.0 55.0 60.0 65.0 775.0 80.0 85.0 90.0 105.0 110.0 115.0 120.0 140.0 145.0 155.0	79.5 77.9 76.3 74.8 74.8 74.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9 54.0 47.8 45.6 43.3 41.0	Pated 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 80.0 105.0 115.0 125.0 135.0 135.0	78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5	8,840* 8,480* 8,170* 7,620* 7,360* 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																				
		30 f	t Jib					40 t	t Jib						t Jib						t Jib		
		O set An	gle (d					O set An	gle (d					O set An	gle (d					O set An	gle (d		
Load	10 Boom	Pated	Load	30 Boom	Rated	Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom	Pated	Load	30 Boom	Rated	Load	10 Boom	Rated	Load	30 Boom	Rated
Padius (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)	Padius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Padius (ft)	Angle (deg.)	Load (lbs)
40.0 45.0	79.6 77.9	24,000* 24,000 *				45.0 50.0	79.4 77.8	24,000* 24,000 *				50.0 55.0	79.1 77.4	20,000* 20,000 *				55.0 60.0	78.5 77.0	18,000* 18,000 *			
50.0	76.2	24,000*	50.0	79.2	21,000*	55.0	76.1	24,000*	55.0	79.9	15,320*	60.0	75.9	20,000*				65.0	75.6	17,700*			
55.0	74.4	24,000*	55.0	77.4	21,000*	60.0	74.4	24,000*	60.0	78.2	14,720*	65.0	74.3	20,000*	65.0	78.8	11,170*	70.0	74.1	16,570*	70.0	79.3	8,950*
60.0 65.0	72.6 70.9	23,980 21,450	60.0 65.0	75.6 73.8	20,540* 19,770 *	65.0 70.0	72.8 71.1	21,730 19,590	65.0 70.0	76.5 74.8	14,170* 13,690 *	70.0 75.0	72.8 71.1	19,480* 17,850	70.0 75.0	77.2 75.5	10,780* 10,380 *	75.0 80.0	72.5 71.0	15,520* 14,630 *	75.0 80.0	77.7 76.1	8,590* 8,310 *
70.0	69.1	19,330	70.0	72.0	19,060*	75.0	69.3	17,650	75.0	72.9	13,180*	80.0	69.4	16,260	80.0	73.8	10,030*	85.0	69.4	13,840*	85.0	74.5	8,020*
75.0 80.0	67.2 65.3	17,390 15,850	75.0 80.0	70.0 68.1	17,940 16,330	80.0 85.0	67.6 65.9	16,090 14,720	80.0 85.0	71.2 69.4	12,760 * 12,380*	85.0 90.0	67.8 66.2	14,880	85.0 90.0	72.1 70.4	9,720 * 9,430*	90.0 95.0	67.9 66.2	13,130 * 12,450*	90.0 95.0	72.9 71.2	7,760 * 7,510*
85.0	63.5	14,480	85.0	66.2	14,940	90.0	64.1	13,510	90.0	67.6	12,300*	95.0	64.4	13,660 12,520	95.0	68.6	9,430*	100.0	64.6	11,680	100.0	69.5	7,310 7,270 *
90.0	61.6	13,290	90.0	64.3	13,690	95.0	62.2	12,360	95.0	65.6	11,680*	100.0	62.7	11,570	100.0	66.8	8,880*	105.0	63.0	10,820	105.0	67.8	7,070*
95.0 100.0	59.5 57.5	12,160 11,220	95.0 100.0	62.2 60.1	12,540 11,550	100.0 105.0	60.3 58.5	11,410 10,580	100.0 105.0	63.7 61.8	11,370 * 10,970	105.0 110.0	60.9 59.2	10,710 9,940	105.0 110.0	65.0 63.2	8,660 * 8,440*	110.0 115.0	61.4 59.6	10,050 9,300	110.0 115.0	66.1 64.3	6,870 * 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 51.1	9,630 8,900	110.0 115.0	55.9 53.5	9,890 9,120	115.0 120.0	54.5 52.5	9,060 8,420	115.0 120.0	57.6 55.5	9,410 8,730	120.0 125.0	55.4 53.5	8,550 7,980	120.0 125.0	59.3 57.3	8,040* 7,870 *	125.0 130.0	56.1	8,060 7,530	125.0 130.0	60.7 58.8	6,370* 6,230 *
115.0 120.0	51.1 48.9	8,260	120.0	51.3	9,120 8,480	120.0	50.4	7,840	120.0	53.4	8,130	130.0	51.6	7, 960 7,450	130.0	55.3	7,710*	135.0	54.3 52.5	7,030	135.0	56.9	6,100*
125.0	46.6	7,690				130.0	48.2	7,310				135.0	49.5	6,940	135.0	53.1	7,250	140.0	50.5	6,540	140.0	54.7	5,970*
130.0 135.0	44.2 41.7	7,180 6,700				135.0 140.0	46.0 43.5	6,830 6,370				140.0 145.0	47.3 45.1	6,450 6,040				145.0 150.0	48.5 46.5	6,120 5,730	145.0	52.7	5,860*
140.0	38.8	6,060*				145.0	41.1	5,880*				150.0	42.9	5,640*				155.0	44.4	5,350*			
145.0	36.0 32.9	5,400 *				150.0 155.0	38.5	5,290 *				155.0	40.5 37.8	5,090 *				160.0 165.0	42.0 39.7	4,820 * 4,340*			
150.0	32.9	4,760*				160.0	35.7 32.5	4,690* 4,070 *				160.0 165.0	37.8 35.1	4,540* 4,010 *				170.0	39.7 37.3	3,880*			
								,				170.0	32.2	3,500*				175.0	34.7	3,410*			
Ree		1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1
	150)' Boo																					
			t Jib	\					t Jib	\					t Jib	\					t Jib	\	
\vdash	10	O set An	gie (u	eg.) 30	1		10	O set An	gie (u	2 g.) 30	1		10	O set An	gie (a	eg.) 30			10	O set An	gie (a	e g.) 30	
Load Padius	Boom Angle	Rated Load	Load Radius	Boom	Rated Load	Load Padius	Boom Angle	Pated Load	Load Radius	Boom Angle	Rated Load	Load Radius	Boom Angle	Pated Load	Load Padius	Boom Angle	Rated Load	Load Radius	Boom Angle	Pated Load	Load Padius	Boom	Rated Load
(ft) 45.0	78.6	(lbs) 24,000*	(ft)	(deg.)	(lbs)	(ft) 45.0	(deg.) 80.0	(lbs) 24,000*	(ft)	(deg.)	(lbs)	(ft) 50.0	79.6	(lbs) 20,000*	(ft)	(deg.)	(lbs)	(ft) 55.0	79.1	(lbs) 18,000*	(ft)	(deg.)	(lbs)
50.0	77.0	24,000*	50.0	79.9	21,000*	50.0	78.5	24,000*				55.0	78.1	20,000*				60.0	77.7	18,000*			
55.0 60.0	75.3 73.6	24,000* 23,800	55.0 60.0	78.1 76.4	21,000* 20,890 *	55.0 60.0	76.8 75.3	24,000* 24,000 *	60.0	78.9	14,920*	60.0 65.0	76.6 75.1	20,000* 20,000 *	65.0	79.4	11,330*	65.0 70.0	76.3 74.9	18,000* 17,120 *	70.0	79.9	9,060*
65.0	72.0	21,270	65.0	74.8	20,150*	65.0	73.7	21,580	65.0	77.3	14,390*	70.0	73.7	19,640	70.0	77.9	10,930*	75.0	73.4	16,040*	75.0	78.3	8,700*
70.0 75.0	70.3	19,150 17,210	70.0 75.0	73.1 71.2	19,440 * 17,810	70.0 75.0	72.1 70.5	19,420 17,480	70.0 75.0	75.7 73.9	13,910* 13,420*	75.0 80.0	72.1 70.5	17,680 16,090	75.0 80.0	76.3 74.7	10,530 * 10,200*	80.0 85.0	71.9 70.5	15,160 * 14,350*	80.0 85.0	76.8 75.3	8,420 * 8,130*
80.0	68.5 66.8	15,670	80.0		16,200	80.0	68.8	15,890	80.0	72.3	13,000*	85.0	69.0	14,700	85.0	73.1	9,870*	90.0	69.0	13,620	90.0	73.8	7,890*
85.0	65.1	14,300	85.0	67.7	14,790	85.0	67.2	14,520	85.0	70.6	12,630*	90.0	67.5	13,490	90.0	71.5	9,590*	95.0	67.4	12,450	95.0	72.2	7,620*
90.0 95.0	63.3 61.4	13,110 11,990	90.0 95.0	65.9 63.9	13,530 12,360	90.0 95.0	65.6 63.8	13,310 12,190	90.0 95.0	68.9 67.1	12,270 * 11,920*	95.0 100.0	65.8 64.2	12,340 11,390	95.0 100.0	69.8 68.2	9,300 * 9,060*	100.0 105.0	65.9 64.4	11,500 10,640	100.0 105.0	70.6 69.1	7,400 * 7,200*
100.0	59.6	11,040	100.0	62.1	11,390	100.0	62.1	11,240	100.0	65.3	11,610*	105.0	62.6	10,530	105.0	66.5	8,810*	110.0	62.9	9,850	110.0	67.5	7,010*
105.0 110.0	57.7 55.8	10,200 9,430	105.0 110.0	60.2 58.2	10,510 9,720	105.0 110.0	60.3 58.6	10,380 9,610	105.0 110.0	63.5 61.7	10,820 10,030	110.0 115.0	60.9 59.1	9,760 9,010	110.0 115.0	64.8 62.9	8,590* 8,390 *	115.0 120.0	61.2 59.6	9,100 8,460	115.0 120.0	65.7 64.1	6,830* 6,650 *
115.0	53.7	8,700	115.0	56.1	8,970	115.0	56.7	8,860	115.0	59.7	9,230	120.0	57.4	8,370	120.0	61.2	8,200*	125.0	58.0	7,870	125.0	62.4	6,500*
120.0 125.0	51.7 49.6	8,090 7,510	120.0 125.0	54.0 51.8	8,310 7,710	120.0 125.0	54.8 52.9	8,240 7,670	120.0 125.0	57.8 55.8	8,570 7,950	125.0 130.0	55.7 53.9	7,780 7,250	125.0 130.0	59.3 57.5	8,020 * 7,620	130.0 135.0	56.3 54.6	7,340 6,830	130.0 135.0	60.7 58.9	6,370 * 6,210*
130.0	47.5	6,980	-25.5	21.0	.,,	130.0	51.0	7,140	130.0	53.8	7,400	135.0	52.0	6,740	135.0	55.6	7,090	140.0	52.8	6,340	140.0	57.0	6,080*
135.0 140.0	45.3 42.8	6,500 6,010 *				135.0 140.0	49.0 46.7	6,630 6,170				140.0 145.0	50.0 48.1	6,260 5,840	140.0	53.4	6,590	145.0 150.0	51.0 49.2	5,930 5,530	145.0 150.0	55.1 53.1	5,970* 5,880
145.0	40.3	5,420*				145.0	44.6	5,750				150.0	46.0	5,460				155.0	47.3	5,150*	130.0	50.1	3,000
150.0	37.8	4,820 * 4,250*				150.0	42.3	5,220 *				155.0 160.0	43.9 41.6	4,980 *				160.0	45.2	4,670 * 4,230*			
		4./00"	1		1	155.0	39.9	4,690*	1		1	1.00.0	41.0	4,450*	1	1		165.0	43.1	4,230"	1		
155.0 160.0	35.0 31.8	3,650*				160.0	37.3	4,140*				165.0	39.3	3,990*				170.0	41.0	3,790*			
155.0						160.0 165.0		1				170.0	39.3 36.8	3,990 * 3,520*				170.0 175.0	41.0 38.7				
155.0	31.8		Ree	eves	1		37.3 34.6	4,140*	Ree	ves	1		39.3 36.8 34.2	3,990*	Ree	ves	1	175.0	l .	3,790*	Ree	ves	1

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

	160' Boom 30 ft Jb																						
		30 t	t Ji b					40 t	t Jib						t Jib					60 i	t Jib		
		O set Ar	igle (d	<u> </u>				O set An	igle (d	<u> </u>				O set Ar	gle (d					O set Ar	igle (d		
Load	10 Boom	Pated	Load	30 Boom	Pated	Load	10 Boom	Rated	Load	30 Boom	Pated	Load	10 Boom	Pated	Load	30 Boom	Rated	Load	10 Boom	Pated	Load	30 Boom	Rated
Radius (ft)	Angle (deg.)	Load (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.)	Load (lbs)	Padius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)
45.0 50.0	79.2 77.7	24,000* 24,000 *				50.0 55.0	79.0 77.5	24,000* 24,000 *				55.0 60.0	78.7 77.3	20,000* 20,000 *				55.0 60.0	79.6 78.3	18,000* 18,000 *			
55.0	76.1	24,000*	55.0	78.8	21,000*	60.0	76.0	24,000*	60.0	79.5	15,120*	65.0	75.9	20,000*	65.0	80.0	11,440*	65.0	76.9	18,000*			
60.0	74.5	23,720	60.0	77.2	21,000*	65.0	74.6	21,470	65.0	78.0	14,590*	70.0	74.5	19,530	70.0	78.5	11,060*	70.0	75.6	17,650*	70.0	80.4	9,140*
65.0	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 75.0	71.4 69.7	19,040 17,100	70.0 75.0	74.0 72.3	19,730 17,720	75.0 80.0	71.5 70.0	17,370 15,780	75.0 80.0	74.8 73.2	13,640* 13,220*	80.0 85.0	71.5 70.1	15,980 14,590	80.0 85.0	75.5 74.0	10,330 * 10,030*	80.0 85.0	72.8 71.4	15,670 * 14,700	80.0 85.0	77.5 76.1	8,530* 8,240*
80.0	68.1	15,540	80.0	70.7	16,090	85.0	68.4	14,410	85.0	71.7	12,850*	90.0	68.6	13,350	90.0	72.5	9,740*	90.0	70.0	13,490	90.0	74.6	8,000*
85.0	66.5	14,190	85.0	69.0	14,680	90.0	66.9	13,200	90.0	70.1	12,500*	95.0	67.0	12,210	95.0	70.9	9,450*	95.0	68.5	12,340	95.0	73.1	7,760*
90.0 95.0	64.8 63.0	12,980 11,860	90.0 95.0	67.3 65.5	13,440 12,270	95.0 100.0	65.2 63.6	12,050 11,110	95.0 100.0	68.4 66.7	12,140* 11,640	100.0 105.0	65.5 64.0	11,260 10,400	100.0 105.0	69.3 67.8	9,210* 8,970*	100.0 105.0	67.1 65.7	11,370 10,490	100.0 105.0	71.6 70.2	7,530 * 7,310*
100.0	61.3	10,910	100.0	63.8	11,280	105.0	62.0	10,250	105.0	65.1	10,730	110.0	62.5	9,610	110.0	66.2	8,770*	110.0	64.2	9,720	110.0	68.7	7,140*
105.0	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 55.9	9,300 8,550	110.0	60.2 58.2	9,610 8,840	115.0 120.0	58.6 56.9	8,730	115.0 120.0	61.5 59.8	9,120	120.0 125.0	59.2 57.6	8,220 7,620	120.0	62.8 61.1	8,350 * 8,090	120.0 125.0	61.2 59.7	8,310	120.0 125.0	65.5 63.9	6,790*
115.0 120.0	55.9 54.1	7,930	115.0 120.0	56.2 56.3	8,200	125.0	55.1	8,090 7,510	125.0	58.0	8,460 7,840	130.0	55.9	7,620 7,090	125.0 130.0	59.4	7,510	130.0	59.7 58.1	7,730 7,180	130.0	62.3	6,610* 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*
130.0 135.0	50.2 48.2	6,830 6,320	130.0	52.4	7,030	135.0 140.0	51.5 49.5	6,480	135.0 140.0	54.2	6,760	140.0 145.0	52.4 50.6	6,100 5,680	140.0 145.0	55.7 53.8	6,450 5,990	140.0	54.8 53.2	6,190 5,770	140.0 145.0	58.9 57.1	6,210* 6,080*
140.0	46.2 46.0	5,860				140.0 145.0	49.5 47.5	5,990 5,570	140.0	52.1	6,260	145.0 150.0	48.7	5,080 5,290	150.0	51.9	5,990 5,570	145.0 150.0	51.5	5,770 5,370	150.0	57.1 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
155.0 160.0	39.2 36.6	4,230* 3,680 *				160.0 165.0	41.1 38.7	4,050* 3,590 *				165.0 170.0	42.7 40.6	3,880* 3,430 *				165.0 170.0	46.0 44.1	4,050* 3,650 *			
165.0	33.9	3,170*				170.0	36.3	3,100*				175.0	38.3	3,020*				175.0	42.1	3,240*			
Ree	ves	1	Rec	eves	1	Ree	ves	1	Ree	eves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Rec	eves	1
	170)' Boo	m		'																		
		30 1	ft Ji b						ft Jib						t Jib						ft Jib		
	(30 t O set An	ft Ji b	<u> </u>				O set An		<u> </u>				O set Ar		<u> </u>				60 i O set Ar		<u> </u>	
Load		30 t O set Ar	ft Ji b	leg.) 30 Boom	Pated	Load	10	O set An		30		Load	10	O set Ar		eg.) 30 Boom	Rated	Load	10 Boom			leg.) 30	
Radius (ft)	10 Boom Angle (deg.)	30 to Set Art Pated Load (lbs)	ft J ib ngle (d	30 Boom		Padius (ft)	Boom Angle (deg.)	Pated Load (lbs)	ngle (d	30 Boom	Rated Load (lbs)	Radius (ft)	Boom Angle (deg.)	Pated Load (lbs)	gle (d	30	Rated Load (lbs)	Padius (ft)	Boom Angle (deg.)	Pated Load (lbs)	ngle (d	30 Boom	Pated Load (lbs)
Radius (ft) 45.0	Boom Angle (deg.)	Rated Load (lbs) 24,000*	ft Jib ngle (d Load Padius	30 Boom Angle	Rated Load	Padius (ft) 50.0	Boom Angle (deg.) 79.6	Pated Load (lbs) 24,000*	gle (d Load Radius	30 Boom Angle	Rated Load	Padius (ft) 55.0	Boom Angle (deg.) 79.2	Pated Load (lbs) 20,000*	gle (de Load Radius	30 Boom Angle	Load	Radius (ft) 55.0	Boom Angle (deg.) 80.0	Pated Load (lbs) 18,000*	Igle (d Load Radius	30 Boom Angle	Rated Load
Radius (ft)	10 Boom Angle (deg.)	30 to Set Art Pated Load (lbs)	ft Jib ngle (d Load Padius	30 Boom Angle	Rated Load	Padius (ft)	Boom Angle (deg.)	Pated Load (lbs)	gle (d Load Radius	30 Boom Angle	Rated Load	Radius (ft)	Boom Angle (deg.)	Pated Load (lbs)	gle (de Load Radius	30 Boom Angle	Load	Padius (ft)	Boom Angle (deg.)	Pated Load (lbs)	Igle (d Load Radius	30 Boom Angle	Rated Load
### Addius (ft) 45.0 50.0 55.0 60.0	79.8 76.8 75.3	30 t D set Ar Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 23,500	Load Radius (ft) 55.0 60.0	30 Boom Angle (deg.) 79.4 77.9	Pated Load (lbs) 21,000* 21,000*	Fadius (ft) 50.0 55.0 60.0 65.0	### 100 Boom Angle (deg.) 79.6 78.1 76.7 75.3	Rated Load (lbs) 24,000* 24,000* 23,800 21,250	Load Radius (ft) 60.0	30 Boom Angle (deg.) 80.0 78.6	Rated Load (lbs) 15,290* 14,770*	Fadius (ft) 55.0 60.0 65.0 70.0	79.2 77.9 75.2	Pated Load (lbs) 20,000* 20,000* 20,000* 19,310	Load Radius (ft)	30 Boom Angle (deg.) 79.1	Load (lbs)	Fadius (ft) 55.0 60.0 65.0 70.0	80.0 77.5 76.2	Pated Load (lbs) 18,000* 18,000* 18,000* 18,000*	Load Radius (ft)	30 Boom Angle (deg.)	Pated Load (lbs)
45.0 50.0 55.0 60.0 65.0	79.8 76.8 75.3 73.8	70 set Ar Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 20,940	Load Radius (ft) 55.0 60.0	30 Boom Angle (deg.) 79.4 77.9 76.4	Pated Load (lbs) 21,000* 21,000* 20,830*	50.0 55.0 60.0 65.0 70.0	Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9	Rated Load (lbs) 24,000* 24,000* 23,800 21,250 19,090	Load Radius (ft) 60.0 65.0 70.0	30 Boom Angle (deg.) 80.0 78.6 77.1	Pated Load (lbs) 15,290* 14,770* 14,300*	55.0 60.0 65.0 70.0 75.0	### 10 Boom Angle (deg.) 79.2 **77.9 **76.5 **75.2 **73.8 ***	Pated Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350	Load Padius (ft) 70.0	30 Boom Angle (deg.) 79.1 77.6	Load (lbs) 11,170* 10,800*	55.0 60.0 65.0 70.0 75.0	80.0 78.8 77.5 76.2	Pated Load (lbs) 18,000* 18,000* 18,000* 18,000* 17,080*	Load Radius (ft)	30 Boom Angle (deg.)	Pated Load (lbs)
### Addius (ft) 45.0 50.0 55.0 60.0	79.8 76.8 75.3	30 t D set Ar Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 23,500	Load Radius (ft) 55.0 60.0	30 Boom Angle (deg.) 79.4 77.9 76.4	Pated 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	Rated Load (lbs) 24,000* 24,000* 23,800 21,250	Load Radius (ft) 60.0	30 Boom Angle (deg.) 80.0 78.6 77.1	Rated Load (lbs) 15,290* 14,770*	Fadius (ft) 55.0 60.0 65.0 70.0	79.2 77.9 75.2	Pated Load (lbs) 20,000* 20,000* 20,000* 19,310	Load Radius (ft)	30 Boom Angle (deg.) 79.1	Load (lbs)	Fadius (ft) 55.0 60.0 65.0 70.0	80.0 77.5 76.2	Pated Load (lbs) 18,000* 18,000* 18,000* 18,000*	Load Radius (ft)	30 Boom Angle (deg.)	Pated Load (lbs)
45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	79.8 76.8 75.3 73.8 72.4 70.8 69.3	30 is set Ar. Pated Load (lbs) 24,000* 24,000* 24,000* 20,940 18,820 16,880 15,320	Load Radius (ft) 55.0 60.0 65.0 75.0 80.0	30 Boom Angle (deg.) 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	Fadius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5	Pated Load (lbs) 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0	30 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6	15,290* 14,770* 14,300* 13,840* 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	Pated Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 13,130	Load Radius (ft) 70.0 75.0 80.0 85.0 90.0	30 Boom Angle (deg.) 79.1 77.6 76.2 74.8 73.4	11,170* 10,800* 10,180* 9,890*	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	Rated Load (lbs) 18,000* 18,000* 18,000* 17,080* 15,890 14,500 13,270	75.0 80.0 80.0	79.4 76.7 75.4	8,900* 8,610* 8,350* 8,110*
### April 12 ## A	79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7	Rated Load (flbs) 24,000* 24,000* 24,000* 23,500 20,940 18,820 16,880 15,320 13,950	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0	79.4 77.9 76.4 74.9 73.2 71.7 70.1	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	Pated Load (lbs) 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170 12,960	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0	30 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6 71.1	7ated Load (lbs) 15,290* 14,770* 14,300* 13,840* 13,420* 13,050* 12,690*	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 68.2	Pated Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 13,130 11,990	Coad Radius (ft) 70.0 75.0 80.0 85.0 90.0 95.0	30 Boom Angle (deg.) 79.1 77.6 76.2 74.8 73.4 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	Rated Load (lbs) 18,000* 18,000* 18,000* 17,080* 15,890 14,500 13,270 12,100	Load Radius (ft) 75.0 80.0 85.0 90.0	79.4 78.1 76.7 75.4 73.9	8,900* 8,610* 8,350* 8,110* 7,870*
45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	79.8 76.8 75.3 73.8 72.4 70.8 69.3	30 is set Ar. Pated Load (lbs) 24,000* 24,000* 24,000* 20,940 18,820 16,880 15,320	Load Radius (ft) 55.0 60.0 65.0 75.0 80.0	30 Boom Angle (deg.) 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	Fadius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5	Pated Load (lbs) 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0	30 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6	15,290* 14,770* 14,300* 13,840* 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	Pated Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 13,130	Load Radius (ft) 70.0 75.0 80.0 85.0 90.0	30 Boom Angle (deg.) 79.1 77.6 76.2 74.8 73.4	11,170* 10,800* 10,180* 9,890*	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	Rated Load (lbs) 18,000* 18,000* 18,000* 17,080* 15,890 14,500 13,270	75.0 80.0 80.0	79.4 78.1 76.7 75.4 73.9	8,900* 8,610* 8,350* 8,110*
### April 19 ##	79.8 78.3 76.8 75.3 73.8 72.4 69.3 67.7 66.2 64.5 62.9	30 set Ar Pated Load (lbs) 24,000* 24,000* 24,000* 23,500 18,820 16,880 15,320 13,950 12,740 11,610 10,670	Et Jib Digle (d) Load Radius (ft) 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0	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	Pated Load (lbs) 24,000* 24,000* 23,800 17,150 15,560 14,170 12,960 11,810 10,860 10,000	60.0 65.0 70.0 75.0 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* 13,050* 12,690* 12,360* 11,440 10,530	75.0 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	Pated Load (fbs) 20,000* 20,000* 20,000* 19,310 11,7350 14,370 13,130 11,990 11,020 10,160 9,390	70.0 75.0 85.0 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* 9,890* 9,610* 9,360* 9,120* 8,900*	### Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 105.0 110.0	10 Boom Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2 66.8 65.5	Rated Load (fbs) 18,000* 18,000* 18,000* 17,080* 15,890 14,500 13,270 12,100 11,150 10,270 9,470	75.0 80.0 85.0 95.0 100.0 110.0	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*
### Addius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	79.8 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3	30 is set Arr Pated Load (lbs) 24,000* 24,000* 24,000* 23,500 16,880 15,320 13,950 12,740 11,610 10,670 9,810	Ft Jib gle (d Load Radius (ft)) 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 105.0	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 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 95.0 100.0 110.0	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	Pated Load (lbs) 24,000* 24,000* 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 85.0 90.0 95.0 100.0 110.0	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 85.0 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	Pated Load (flbs) 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 85.0 95.0 100.0 115.0	79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 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	Pated Load (fbs) 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 95.0 100.0 115.0	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*
### April 19 ##	79.8 78.3 76.8 75.3 73.8 72.4 69.3 67.7 66.2 64.5 62.9	30 set Ar Pated Load (lbs) 24,000* 24,000* 24,000* 23,500 18,820 16,880 15,320 13,950 12,740 11,610 10,670	Et Jib Digle (d) Load Radius (ft) 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0	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	Pated Load (lbs) 24,000* 24,000* 23,800 17,150 15,560 14,170 12,960 11,810 10,860 10,000	60.0 65.0 70.0 75.0 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* 13,050* 12,690* 12,360* 11,440 10,530	75.0 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	Pated Load (fbs) 20,000* 20,000* 20,000* 19,310 11,7350 14,370 13,130 11,990 11,020 10,160 9,390	70.0 75.0 85.0 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* 9,890* 9,610* 9,360* 9,120* 8,900*	### Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 105.0 110.0	10 Boom Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2 66.8 65.5	Rated Load (fbs) 18,000* 18,000* 18,000* 17,080* 15,890 14,500 13,270 12,100 11,150 10,270 9,470	75.0 80.0 85.0 95.0 100.0 110.0	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* 7,250*
### Associated Residual Properties Particular Proper	79.8 79.8 76.8 75.3 73.8 72.4 70.8 69.3 69.3 69.3 59.7 57.9 56.2	30 set Ar Pated Load (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 60.0 65.0 70.0 99.0 100.0 115.0 120.0	79.4 77.9 76.4 74.9 76.2 66.9 66.9 60.1 58.3	Pated Load (lbs) 21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 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 75.3 73.9 72.4 71.0 69.5 66.5 65.0 63.5 58.7 57.0	Pated Load (lbs) 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170 12,960 11,810 10,860 10,000 9,230 8,480 7,840 7,270	Gle (d Padius (ft) 60.0 65.0 70.0 75.0 80.0 99.0 100.0 105.0 115.0 120.0 125.0	300 Boom Angle (deg.) 80.0 78.6 77.1 75.6 71.1 69.5 68.0 66.4 64.8 63.1 61.5 59.8	15,290* 14,770* 14,300* 13,840* 13,050* 12,690* 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 76.6 66.2 66.7 60.8 60.8 59.3 57.7	Pated Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 13,130 11,990 11,020 10,160 9,390 8,610 7,980 7,400 6,850	70.0 75.0 80.0 105.0 115.0 125.0 130.0 130.0	79.1 77.6 76.2 74.8 77.9 70.4 65.8 64.3 62.7 61.1	11,170* 10,800* 10,490* 10,180* 9,610* 9,360* 9,120* 8,900* 8,680* 8,500 7,890 7,310	### Redius (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	71.0 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	Pated Load (lbs) 18,000* 18,000* 18,000* 18,000* 17,080* 17,080* 15,890 14,500 11,150 10,270 9,470 8,730 8,090 7,490 6,940	75.0 80.0 85.0 105.0 115.0 125.0 130.0 130.0	79.4 78.1 76.7 75.4 78.2 66.7 65.2 63.7	8,900* 8,610* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,050* 6,900* 6,740* 6,590*
### Associated Residual Properties of the International Proper	79.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8 70.8 69.3 67.7 66.2 64.5 64.5 64.5 65.9 75.9 57.9 56.2 54.4	30 set Ar Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 20,940 18,820 16,880 15,3250 12,740 11,610 10,670 9,810 9,060 8,310 7,670 7,090	55.0 60.0 65.0 70.0 90.0 90.0 105.0 115.0 125.0 125.0	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	Pated Load (lbs) 21,000* 21,000* 20,830* 19,530 17,520 14,480 13,240 12,050 11,080 10,200 9,390 8,610 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	79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 66.5 66.5 66.5 66.5 67.5 67.0 55.4	Pated Load (lbs) 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170 12,960 11,810 10,000 9,230 8,480 7,840 7,270 6,720	Gle (d Padius (ft) 60.0 65.0 70.0 75.0 85.0 99.0 99.0 105.0 115.0 120.0 125.0 130.0	300 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 69.5 66.4 64.8 63.1 61.5 59.8 58.1	Pated Load (lbs) 15,290* 14,770* 14,300* 13,840* 13,420* 12,560* 11,440 10,530 9,720 8,920 8,240 7,640 7,070	Fadius (ft) 55.0 60.0 65.0 70.0 85.0 80.0 90.0 95.0 100.0 115.0 125.0 135.0	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	Pated Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 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 90.0 105.0 110.0 115.0 120.0 130.0 135.0	79.1 77.6 76.2 74.8 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	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 105.0 115.0 125.0 135.0	70 Boom Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6 72.3 66.8 65.5 64.0 62.6 61.1 59.7 58.2	Pated Load (lbs) 18,000* 18,000* 18,000* 18,000* 17,080* 17,080* 15,890 14,500 11,150 10,270 9,470 8,730 8,090 7,490 6,940 6,450	75.0 80.0 85.0 105.0 115.0 125.0 135.0 135.0	79.4 78.1 76.7 75.4 77.1 68.2 66.7 65.2 63.7 62.2	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 6,900* 6,740* 6,590* 6,450*
### Associated Residual Properties of the International Proper	79.8 79.8 76.8 75.3 73.8 72.4 70.8 69.3 69.3 69.3 59.7 57.9 56.2	30 set Ar Pated Load (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 60.0 65.0 70.0 99.0 100.0 115.0 120.0	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 54.7	Pated Load (lbs) 21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 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 75.3 73.9 72.4 71.0 69.5 66.5 65.0 63.5 58.7 57.0	Pated Load (lbs) 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170 12,960 11,810 10,860 10,000 9,230 8,480 7,840 7,270	Gle (d Padius (ft) 60.0 65.0 70.0 75.0 80.0 99.0 100.0 105.0 115.0 120.0 125.0	300 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 69.5 66.4 64.8 63.1 61.5 59.8 58.1	15,290* 14,770* 14,300* 13,840* 13,050* 12,690* 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 76.6 66.2 66.7 60.8 60.8 59.3 57.7	Pated Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 13,130 11,990 11,020 10,160 9,390 8,610 7,980 7,400 6,850	70.0 75.0 80.0 105.0 115.0 125.0 130.0 130.0	79.1 77.6 76.2 74.8 77.9 70.4 65.8 64.3 62.7 61.1	11,170* 10,800* 10,490* 10,180* 9,610* 9,360* 9,120* 8,900* 8,680* 8,500 7,890 7,310	### Redius (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	71.0 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	Pated Load (lbs) 18,000* 18,000* 18,000* 18,000* 17,080* 17,080* 15,890 14,500 11,150 10,270 9,470 8,730 8,090 7,490 6,940	75.0 80.0 85.0 105.0 115.0 125.0 130.0 130.0	79.4 78.1 76.7 75.4 77.1 68.2 66.7 65.2 63.7 62.2	8,900* 8,610* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,050* 6,900* 6,740* 6,590*
### Ason	79.8 76.8 76.8 76.8 76.8 76.8 70.8 69.3 67.7 66.2 64.5 64.5 64.5 59.7 57.9 56.2 54.4 52.6 50.8 48.8	### Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 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	55.0 60.0 65.0 70.0 90.0 90.0 115.0 1120.0 125.0 130.0	79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7	Pated Load (lbs) 21,000* 21,000* 20,830* 19,530 17,520 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980 7,360 6,810	75.0 (ft) 50.0 (55.0 (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	79.6 (deg.) 79.6 78.1 76.7 75.3 972.4 71.0 69.5 68.1 66.5 61.9 60.3 55.4 53.7 51.8 50.1	Pated 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 7,840 7,270 6,720 6,230 5,750 5,290*	60.0 65.0 70.0 75.0 80.0 105.0 115.0 125.0 135.0 135.0 135.0	300 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6 74.1 69.5 68.0 66.4 64.8 63.1 55.8 59.8 58.1 56.3 54.4	Rated Load (lbs) 15,290* 14,770* 14,300* 13,840* 13,050* 12,690* 11,440 10,530 9,720 8,920 8,240 7,640 7,070 6,540	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	79.2 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	Pated Load (lbs) 20,000* 20,000* 19,310 11,350 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 90.0 100.0 115.0 125.0 135.0 140.0 145.0 150.0	79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 65.7 61.1 59.5 57.7 56.0 54.2	11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,360* 9,120* 8,900* 8,500 7,310 6,760 6,260 5,790 5,370	Facius (ft) 55.0 60.0 65.0 77.0 80.0 85.0 90.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	78.8 (62.6 (69.7 (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 1.1 59.7 58.2 56.6 55.1 53.5	Pated 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 90.0 100.0 115.0 125.0 140.0 145.0 150.0	79.4 78.1 75.4 73.9 72.5 71.1 69.7 68.2 66.7 62.2 60.5 58.9 57.3	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 6,740* 6,740* 6,590* 6,450* 6,450* 6,300* 5,970 5,550
### Ason	79.8 76.8 75.3 76.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 50.8 48.8 46.8	Rated Load (lbs) 24,000* 24,000* 24,000* 23,500 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*	55.0 60.0 65.0 70.0 90.0 90.0 115.0 1120.0 125.0 130.0	79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7	Pated Load (lbs) 21,000* 21,000* 20,830* 19,530 17,520 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980 7,360 6,810	75.0 (ft) 50.0 (55.0 (65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 125.0 135.0 140.0 145.0 150.0	79.6 78.1 76.7 75.3 9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 57.0 55.4 50.1 48.2	Pated Load (lbs) 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*	Load Radius (ft)	300 Boom Angle (deg.) 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 58.1 56.3 54.4	15,290* 14,770* 14,300* 13,840* 13,420* 12,690* 12,360* 11,440 10,530 9,720 8,920 8,240 7,640 7,070 6,540 6,040	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 99.0 100.0 115.0 125.0 130.0 140.0 145.0 155.0	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 59.3 55.7 56.1 52.8 51.1 49.3	Pated Load (lbs) 20,000* 20,000* 19,310 11,7350 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 90.0 110.0 115.0 125.0 135.0 140.0 145.0	79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 65.7 61.1 59.5 57.7 56.0	11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,360* 9,120* 8,900* 8,680* 8,500 7,890 7,310 6,760 6,260 5,790	Padius (ft) 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 125.0 130.0 145.0 155.0	70.0 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 58.2 56.6 55.1 53.5 51.9	Pated Load (lbs) 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*	75.0 80.0 85.0 90.0 105.0 115.0 125.0 145.0 155.0 155.0	79.4 78.1 75.4 73.9 72.5 71.1 69.7 68.2 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* 6,740* 6,740* 6,590* 6,450* 6,300* 5,970 5,550 5,150
### Ason	79.8 76.8 76.8 76.8 76.8 76.8 70.8 69.3 67.7 66.2 64.5 64.5 64.5 59.7 57.9 56.2 54.4 52.6 50.8 48.8	### Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 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	55.0 60.0 65.0 70.0 90.0 90.0 115.0 1120.0 125.0 130.0	79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7	Pated Load (lbs) 21,000* 21,000* 20,830* 19,530 17,520 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980 7,360 6,810	75.0 (ft) 50.0 (55.0 (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	79.6 (deg.) 79.6 78.1 76.7 75.3 972.4 71.0 69.5 68.1 66.5 61.9 60.3 55.4 53.7 51.8 50.1	Pated 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 7,840 7,270 6,720 6,230 5,750 5,290*	Load Radius (ft)	300 Boom Angle (deg.) 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 58.1 56.3 54.4	15,290* 14,770* 14,300* 13,840* 13,420* 12,690* 12,360* 11,440 10,530 9,720 8,920 8,240 7,640 7,070 6,540 6,040	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	79.2 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	Pated Load (lbs) 20,000* 20,000* 19,310 11,350 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 90.0 100.0 115.0 125.0 135.0 140.0 145.0 150.0	79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 65.7 61.1 59.5 57.7 56.0 54.2	11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,360* 9,120* 8,900* 8,500 7,310 6,760 6,260 5,790 5,370	Facius (ft) 55.0 60.0 65.0 77.0 80.0 85.0 90.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	78.8 (62.6 (69.7 (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 1.1 59.7 58.2 56.6 55.1 53.5	Pated 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 90.0 100.0 115.0 125.0 140.0 145.0 150.0	79.4 78.1 75.4 73.9 72.5 71.1 68.2 66.7 65.2 60.5 58.9 57.3 55.6 53.8	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 6,740* 6,740* 6,590* 6,450* 6,450* 6,300* 5,970 5,550
### Asion	79.8 78.3 76.8 75.3 73.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4 46.8 44.8 42.7 40.4	7,670 6,080 7,090 7,000	55.0 60.0 65.0 70.0 90.0 90.0 115.0 1120.0 125.0 130.0	79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7	Pated Load (lbs) 21,000* 21,000* 20,830* 19,530 17,520 14,480 13,240 12,050 11,080 10,200 9,390 8,610 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	79.6 78.1 76.7 75.3 9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 57.0 55.4 50.1 48.2 46.3	Pated Load (lbs) 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*	Load Radius (ft)	300 Boom Angle (deg.) 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 58.1 56.3 54.4	15,290* 14,770* 14,300* 13,840* 13,420* 12,690* 12,360* 11,440 10,530 9,720 8,920 8,240 7,640 7,070 6,540 6,040	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 99.0 100.0 115.0 125.0 130.0 140.0 145.0 155.0 160.0	79.2 77.9 76.5 76.5 76.5 73.8 72.4 71.0 69.6 68.2 66.7 65.3 60.9 62.3 60.8 59.3 55.7 55.1 49.3 47.4	Pated Load (lbs) 20,000* 20,000* 19,310 11,7350 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*	70.0 75.0 80.0 85.0 90.0 100.0 115.0 125.0 135.0 140.0 145.0 150.0	79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 65.7 61.1 59.5 57.7 56.0 54.2	11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,360* 9,120* 8,900* 8,500 7,310 6,760 6,260 5,790 5,370	Padius (ft) 55.0 60.0 65.0 70.0 77.0 80.0 85.0 99.0 105.0 115.0 125.0 130.0 145.0 155.0 160.0 155.0 160.0 165.0 160.0 160.0 160.0 165.0 160.0 165.0 160.0 165.0 160.0 165.0 160.0 165.0 160.0 165.0 160.0 165.0 160.0 165.0 160.0 165.0 160.0 165.0 160.0 165.0 160.0 165.0 160.0 165.0 160.0 165.0 160.0 165.0 160.0 165.0 160.0 165.0 160.0 16	70.0 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 58.2 55.1 55.1 50.1 48.5	Pated Load (lbs) 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 90.0 105.0 115.0 125.0 140.0 155.0 160.	79.4 78.1 75.4 73.9 72.5 71.1 68.2 66.7 65.2 60.5 58.9 57.3 55.6 53.8	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,250* 6,900* 6,450* 6,450* 6,5970 5,550 5,150 4,670*
### Asion	79.8 78.3 76.8 75.3 73.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4 46.8 44.8 42.7 40.4	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 23,500 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*	55.0 60.0 65.0 70.0 90.0 90.0 115.0 1120.0 125.0 130.0	79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7	Pated Load (lbs) 21,000* 21,000* 20,830* 19,530 17,520 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980 7,360 6,810	75.0 (ft) 50.0 (55.0 (60.0 70.0 75.0 80.0 90.0 95.0 100.0 115.0 125.0 135.0 145.0 155.0 160.0	79.6 78.1 76.7 75.3 972.4 71.0 69.5 66.5 65.0 63.5 55.4 55.4 50.1 48.2 46.3 44.2	Pated Load (lbs) 24,000* 24,000* 21,250 19,090 17,150 15,560 14,170 12,960 11,810 10,860 10,000 9,230 8,480 7,240 6,720 6,720 6,720 6,720 6,720 6,720 4,780* 4,320* 3,810*	Load Radius (ft)	300 Boom Angle (deg.) 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 58.1 56.3 54.4	15,290* 14,770* 14,300* 13,840* 13,420* 12,690* 12,360* 11,440 10,530 9,720 8,920 8,240 7,640 7,070 6,540 6,040	Radius (ft) 55.0 60.0 65.0 70.0 75.0 88.0 99.0 95.0 100.0 115.0 125.0 135.0 140.0 155.0 160.0 165.0	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 56.1 54.4 49.3 47.4 45.6	7,980 7,980	70.0 75.0 80.0 85.0 90.0 100.0 115.0 125.0 135.0 140.0 145.0 150.0	79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 65.7 61.1 59.5 57.7 56.0 54.2	11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,360* 9,120* 8,900* 8,500 7,310 6,760 6,260 5,790 5,370	Padius (ft) 55.0 60.0 65.0 70.0 85.0 99.0 95.0 100.0 115.0 125.0 130.0 155.0 160.0 155.0 160.0 165.0 165.0 165.0	70.0 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 58.2 55.1 55.1 50.1 48.5	Pated Load (lbs) 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 6,945 5,530 5,070* 4,620* 4,160* 3,760*	75.0 80.0 85.0 90.0 105.0 115.0 125.0 140.0 155.0 160.	79.4 78.1 75.4 73.9 72.5 71.1 68.2 66.7 65.2 60.5 58.9 57.3 55.6 53.8	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,250* 6,7040* 6,590* 6,450* 6,5970 5,550 5,150 4,670*

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

	180)' Boo	m t Jib					40 f	t Jib					50 t	t Jib					60:	ft J ib		
		O set An		eg.)				O set An		eg.)				O set An		eg.)				O set Ar		eg.)	
	10			30			10			30			10			30			10			30	
Load Padius (ft)	Boom Angle (deg.)	Pated Load (lbs)	Load Padius (ft)	Boom Angle (deg.)	Pated Load (lbs)	Load Padius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Padius (ft)	Boom Angle (deg.)	Pated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Pated Load (lbs)	Load Padius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
50.0	78.9	22,200*	FF 0	70.0	04 000*	55.0	78.7	21,670*				55.0	79.7	20,000*				60.0	79.3	18,000*			
55.0 60.0	77.4 76.0	21,750* 21,360*	55.0 60.0	79.9 78.5	21,000 * 20,870*	60.0 65.0	77.3 76.0	21,270* 20,870*	65.0	79.1	14,940*	60.0 65.0	78.4 77.1	20,000 * 20,000*				65.0 70.0	78.0 76.8	18,000* 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 75.0	73.2 71.7	18,560 16,600	70.0 75.0	75.6 74.1	19,310 17,300	75.0 80.0	73.2 71.9	16,880 15,290	75.0 80.0	76.3 74.9	14,020* 13,620 *	75.0 80.0	74.5 73.2	17,100 15,490	75.0 80.0	78.2 76.9	10,930* 10,600 *	80.0 85.0	74.3 73.0	15,650 14,240	80.0 85.0	78.6 77.3	8,700* 8,460 *
80.0	70.3	15,030	80.0	72.6	15,670	85.0	70.5	13,290	85.0	73.5	13,240*	85.0	71.9	14,100	85.0	75.5	10,310*	90.0	71.8	13,020	90.0	76.0	8,200*
85.0	68.8	13,660	85.0	71.2	14,240	90.0	69.1	12,690	90.0	72.1	12,890*	90.0	70.6	12,890	90.0	74.2	10,030*	95.0	70.4	11,860	95.0	74.6	7,950*
90.0 95.0	67.4 65.8	12,470 11,330	90.0 95.0	69.7 68.1	13,000 11,810	95.0 100.0	67.6 66.2	11,550 10,600	95.0 100.0	70.5 69.1	12,210 11,190	95.0 100.0	69.2 67.8	11,720 10,750	95.0 100.0	72.7 71.4	9,740* 9,500 *	100.0 105.0	69.2 67.9	10,890 10,000	100.0 105.0	73.3 72.0	7,760* 7,530 *
100.0	64.3	10,380	100.0	66.5	10,820	105.0	64.8	9,740	105.0	67.6	10,290	105.0	66.5	9,890	105.0	70.0	9,280*	110.0	66.6	9,230	110.0	70.7	7,360*
105.0	62.8	9,540	105.0	65.0	9,940	110.0	63.3	8,970	110.0	66.1	9,470	110.0	65.1	9,100	110.0	68.5	9,060*	115.0	65.2	8,460	115.0	69.2	7,160*
110.0 115.0	61.3 59.6	8,770 8,020	110.0 115.0	63.4 61.7	9,140 8,370	115.0 120.0	61.8 60.3	8,200 7,560	115.0 120.0	64.5 63.0	8,680 8,000	115.0 120.0	63.6 62.2	8,350 7,710	115.0 120.0	67.0 65.6	8,840* 8,280	120.0 125.0	63.8 62.5	7,820 7,230	120.0 125.0	67.8 66.4	7,010* 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*
125.0 130.0	56.4 54.7	6,810 6,280	125.0 130.0	58.4 56.8	7,090 6,540	130.0 135.0	57.2 55.6	6,430 5,950	130.0 135.0	59.8 58.2	6,830 6,300	130.0 135.0	59.3 57.8	6,560 6,080	130.0 135.0	62.6 61.1	7,070 6,540	135.0 140.0	59.7 58.2	6,150* 5,590*	135.0 140.0	63.6 62.0	6,540 * 6,210
135.0	53.0	5,770*	135.0	55.0	6,040	140.0	53.9	5,370*	140.0	56.4	5,770	140.0	56.2	5,510*	140.0	59.4	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*
145.0 150.0	49.4 47.6	4,650 * 4,160*	145.0	51.3	4,960*	150.0 155.0	50.6 48.8	4,380 * 3,920*	150.0	53.0	4,760*	150.0 155.0	53.1 51.5	4,540 * 4,100*	150.0 155.0	56.2 54.5	5,020 * 4,560*	155.0 160.0	53.8 52.2	4,210* 3,760*	155.0 160.0	57.5 55.8	4,760 * 4,290*
155.0	45.7	3,680*				160.0	46.9	3,460*				160.0	49.8	3,630*	160.0	52.7	4,070*	165.0	50.6	3,370*	165.0	54.1	3,880*
160.0	43.6	3,210*				165.0	45.1	3,040*				165.0	48.1	3,240*							170.0	52.4	3,480*
Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1
	190)' Boo	m																				
		30 f		1					t Jib	1					t Jib						ft J ib		
	10	O set An	gie (a	eg.)			(iaie iai	eg.)					iaie ia	ea.)							
Load Padius	Boom			30	1		10	O set An]	30			10	O set An	9.0 (0	30			10	O set Ar	ngle (d	eg.) 30	
		Rated	Load Radius	Boom	Pated	Load Radius	10 Boom	Rated	Load	Boom	Pated	Load Padius	10 Boom	Rated	Load	30 Boom	Rated	Load Radius	10 Boom	Rated	Load	30 Boom	Rated Load
(ft)	Angle (deg.)	Rated Load (lbs)	Load Radius (ft)			Radius (ft)	Boom Angle (deg.)	Pated Load (lbs)				Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)		30		Padius (ft)	Boom Angle (deg.)	Pated Load (lbs)		30	Pated Load (lbs)
	Angle	Rated Load	Padius	Boom Angle	Pated Load	Padius	10 Boom Angle	Pated Load (lbs) 18,950*	Load Radius	Boom Angle	Pated Load	Padius	10 Boom Angle	Pated Load (lbs) 18,470*	Load Radius	30 Boom Angle	Rated Load	Padius	10 Boom Angle	Pated Load (lbs) 18,000*	Load Radius	30 Boom Angle	Load
50.0 55.0 60.0	Angle (deg.) 79.4 78.0 76.7	Rated Load (lbs) 19,440* 19,020* 18,620*	Radius (ft) 60.0	Boom Angle (deg.)	Pated Load (lbs)	Fadius (ft) 55.0 60.0 65.0	79.2 76.6	Rated Load (lbs) 18,950* 18,560* 18,160*	Load Radius (ft)	Boom Angle (deg.)	Pated Load (lbs)	Radius (ft) 60.0 65.0 70.0	78.9 76.5	Pated Load (lbs) 18,470* 18,070* 17,700*	Load Radius (ft)	30 Boom Angle (deg.)	Pated Load (lbs)	### Radius (ft) 60.0 65.0 70.0	79.7 78.5 77.4	Pated Load (lbs) 18,000* 17,960* 17,590*	Load Radius	30 Boom Angle	Load
(ft) 50.0 55.0 60.0 65.0	Angle (deg.) 79.4 78.0 76.7 75.4	Pated Load (lbs) 19,440* 19,020* 18,620* 18,250*	### Radius (ft) 60.0 65.0	Boom Angle (deg.) 79.0 77.7	Rated Load (lbs) 18,250* 17,870*	Fadius (ft) 55.0 60.0 65.0 70.0	79.2 77.9 75.4	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810*	Load Radius (ft) 65.0 70.0	Boom Angle (deg.) 79.6 78.3	Pated 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* 17,700* 16,930	Load Radius (ft)	30 Boom Angle (deg.)	Rated Load (lbs)	### Radius (ft) 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 Padius (ft)	30 Boom Angle (deg.)	Load (lbs)
(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	Pated Load (lbs) 19,440* 19,020* 18,620* 18,250* 17,870* 16,420	60.0 65.0 70.0 75.0	79.0 77.7 76.3 74.9	Pated Load (lbs) 18,250* 17,870* 17,520* 17,150	55.0 60.0 65.0 70.0 75.0 80.0	79.2 77.9 76.6 75.4 74.0	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810* 16,710 15,120	Load Radius (ft) 65.0 70.0 75.0 80.0	79.6 78.3 76.9	Pated Load (lbs) 15,100* 14,660* 14,190* 13,800*	60.0 65.0 70.0 75.0 80.0 85.0	78.9 77.7 76.5 73.9 72.7	Fated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,320 13,930	Load Radius (ft) 75.0 80.0 85.0	30 Boom Angle (deg.) 78.7 77.5 76.2	Pated Load (lbs) 11,040* 10,730* 10,420*	60.0 65.0 70.0 75.0 80.0 85.0	79.7 78.5 77.4 76.1 74.9	Rated Load (lbs) 18,000* 17,960* 17,590* 17,080 15,470 14,060	Load Radius (ft)	30 Boom Angle (deg.) 79.1 77.9	Load (lbs) 8,790* 8,550*
(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	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	Fadius (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	Rated 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	79.6 78.3 76.9 75.6 74.3	15,100* 14,660* 14,190* 13,800* 13,420*	Padius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0	70.0 Boom Angle (deg.) 78.9 77.7 76.5 75.2 73.9 72.7 71.4	Rated 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	### Pated Load (lbs) 11,040* 10,730* 10,420* 10,160*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0	70 Boom Angle (deg.) 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*
(ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	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	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 70.7	Rated Load (lbs) 18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 70.1 68.7	Rated Load (lbs) 18,950* 18,560* 18,160* 16,710 15,120 13,730 12,520 11,370	65.0 70.0 75.0 85.0 90.0 95.0	79.6 78.3 76.9 75.6 74.3 72.9 71.5	7ated Load (lbs) 15,100* 14,600* 14,190* 13,800* 13,420* 13,090* 12,050	Fadius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690 11,550 10,580	75.0 80.0 85.0 90.0 95.0	78.7 77.5 76.2 74.9 73.5 72.2	Rated Load (lbs) 11,040* 10,730* 10,420* 10,160* 9,870* 9,630*	### 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	Fated Load (lbs) 18,000* 17,960* 17,590* 15,470 14,060 12,830 11,680 10,710	Load Radius (ft) 80.0 85.0 90.0 95.0 100.0	79.1 77.9 76.6 75.3 74.1	8,790* 8,550* 8,310* 8,060* 7,840*
(ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	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	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 70.7 69.2	Rated Load (lbs) 18,250* 17,870* 17,520* 15,520 14,080 12,850 11,660	75.0 60.0 65.0 70.0 75.0 85.0 90.0 95.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 70.1 68.7 67.3	Rated Load (lbs) 18,950* 18,560* 18,160* 16,710 15,120 13,730 12,520 11,370 10,420	65.0 70.0 75.0 80.0 95.0 100.0	79.6 78.3 76.9 75.6 74.3 72.9 71.5 70.1	Pated Load (lbs) 15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040	Padius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	70.1 Boom Angle (deg.) 78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690 11,550 10,580 9,720	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	Pated Load (lbs) 11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410*	### 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	Fated Load (lbs) 18,000* 17,960* 17,590* 17,080 15,470 14,060 12,830 11,680 10,710 9,830	80.0 85.0 90.0 95.0 100.0 105.0	79.1 77.9 76.6 75.3 74.1 72.8	8,790* 8,550* 8,310* 8,060* 7,840* 7,640*
(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 80.0 85.0 90.0 95.0 100.0 105.0	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 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 (bs) 18,950* 18,560* 18,160* 17,810* 16,710 15,120 13,730 12,520 11,370 10,420 9,540 8,770	Load Radius (ft) 65.0 70.0 75.0 80.0 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	Pated Load (lbs) 15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140 9,320	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 115.0	70.1 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 15,320 13,930 12,690 11,550 10,580 9,720 8,920 8,170	75.0 80.0 85.0 90.0 100.0 110.0 115.0	30 Boom Angle (deg.) 78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1	### Pated Load (lbs) 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	70.7 78.5 77.4 76.1 74.9 73.8 72.6 71.3 70.1 68.8 67.6 66.3	Pated Load (lbs) 18,000* 17,960* 17,590* 17,080 15,470 14,060 12,830 11,680 10,710 9,830 9,030 8,260*	80.0 85.0 90.0 95.0 100.0 110.0 115.0	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*
(ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	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* 18,250* 17,870* 16,420 14,850 13,490 12,270 11,150 10,200 9,340 8,570	60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	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* 17,520 17,150 12,850 11,660 10,670 9,780 8,970	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0	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	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	Load Padius (ft) 65.0 70.0 75.0 80.0 95.0 100.0 110.0 115.0	79.6 78.3 76.9 75.6 74.3 72.9 71.5 70.1 68.7 67.3 65.8	Pated Load (lbs) 15,100* 14,660* 14,190* 13,800* 13,420* 13,090* 12,050 11,040 10,140 9,320 8,530	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 115.0 120.0	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	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 7,510	75.0 80.0 85.0 90.0 100.0 110.0 115.0 120.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7	### Pated Load (lbs) 11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190* 8,810 8,130	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0	70.7 78.5 77.4 76.1 74.9 73.8 72.6 71.3 70.1 68.8 67.6 66.3 65.0	Pated Load (lbs) 18,000* 17,960* 17,960* 17,980 15,470 14,060 12,830 10,710 9,830 9,030 8,260* 7,580*	80.0 85.0 90.0 95.0 100.0 115.0 120.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 70.2 68.9	8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,270* 7,090*
(ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0 120.0	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 61.1 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	60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 110.0 115.0 120.0	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* 17,150 15,520* 14,080 12,850 11,660 10,670 9,780 8,970 8,200 7,530	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	79.2 77.9 76.6 75.4 74.0 72.7 71.4 70.1 68.7 66.0 64.6 63.1 61.7 60.3	Pated 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	Load Radius (ft) 65.0 70.0 75.0 80.0 90.0 95.0 100.0 115.0 120.0 125.0	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	Pated Load (lbs) 15,100* 14,660* 14,190* 13,800* 13,420* 13,090* 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	Pated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,330 12,690 11,550 10,580 9,720 8,920 8,170 7,510 6,900* 6,300*	75.0 80.0 85.0 90.0 100.0 115.0 120.0 130.0 130.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3 63.9	Pated Load (lbs) 11,040* 10,730* 10,420* 10,160* 9,670* 9,630* 9,410* 9,190* 8,810 8,130 7,490 6,870*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 105.0 110.0 120.0 125.0 130.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 66.3 65.0 63.7 62.4	Pated Load (fbs) 18,000* 17,960* 17,960* 17,590* 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 90.0 100.0 110.0 115.0 120.0 130.0	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* 7,640* 7,450* 7,090* 6,940* 6,790*
(ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 110.0 115.0 120.0 125.0	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 61.1 59.6 58.1	Rated Load (/bs) 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	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	79.0 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* 17,150 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 72.7 71.4 70.1 68.7 66.0 64.6 63.1 61.7 60.3 58.8	Pated 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 6,190*	Load Radius (ft) 65.0 70.0 75.0 80.0 95.0 100.0 115.0 125.0 130.0	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 61.4	Pated Load (lbs) 15,100* 14,660* 14,190* 13,800* 13,420* 13,090* 12,050 11,040 10,140 9,320 8,530 7,840 7,230 6,650	Padius (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	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	Pated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,330 12,690 11,550 10,580 9,720 8,920 8,170 7,510 6,900* 6,300* 5,750*	75.0 80.0 85.0 99.0 100.0 115.0 120.0 125.0 130.0 135.0	78.7 77.5 76.2 70.9 69.6 68.1 66.7 65.3 63.9 62.5	Pated Load (lbs) 11,040* 10,730* 10,420* 10,160* 9,630* 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 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 67.6 66.3 65.0 63.7 62.4 61.1	Pated Load (fbs) 18,000* 17,960* 17,960* 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 95.0 100.0 115.0 120.0 135.0	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* 8,060* 7,450* 7,450* 7,090* 6,940* 6,790* 6,480*
50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0 125.0 135.0 135.0	Angle (deg.) 79.4 78.0 76.7 75.4 74.0 72.6 69.9 68.5 66.1 62.7 61.1 59.6 58.1 56.6 55.0	Rated Load (/bs) 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*	60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 110.0 115.0 120.0	79.0 77.7 76.3 74.9 76.3 72.1 70.7 69.2 67.7 66.3 64.8 63.2 61.7 60.1 58.5 56.9	Rated Load (lbs) 18,250* 17,870* 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*	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 105.0 115.0 125.0 135.0 140.0	79.2 77.9 76.6 75.4 74.0 70.1 68.7 67.3 66.0 64.6 63.1 61.7 60.3 58.8 57.4 55.8	Pated 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 6,190* 5,640* 5,070*	Load Radius (ft) 65.0 70.0 75.0 80.0 90.0 95.0 100.0 115.0 120.0 125.0	79.6 78.3 76.9 75.6 77.1 68.7 70.1 68.7 67.3 65.8 64.3 62.9 61.4 59.9 58.2	7,230 6,650 6,080* 5,510*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0 130.0	70.1 Boom Angle (deg.) 78.9 77.7 76.5 75.2 73.9 72.7 71.4 66.8 67.5 66.2 64.8 63.5 62.1 60.8 59.4 57.9 56.4	Pated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,320 12,690 11,550 10,580 9,720 8,920 8,170 7,510 6,900* 6,300* 5,750* 5,200* 4,710*	75.0 80.0 85.0 90.0 100.0 115.0 120.0 130.0 130.0	78.7 77.5 76.2 74.9 73.5 70.9 69.6 68.1 66.7 65.3 63.9 62.5 60.9 59.5	Pated Load (lbs) 11,040* 10,730* 10,420* 10,160* 9,870* 9,410* 9,190* 8,810 8,130 7,490 6,870* 6,300* 5,730* 5,220*	Padius (t) 60.0 65.0 70.0 75.0 80.0 85.0 99.0 100.0 115.0 125.0 130.0 135.0 140.0 145.0	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 58.3	Pated Load (fbs) 18,000* 17,960* 17,960* 17,980 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*	80.0 85.0 90.0 100.0 110.0 115.0 120.0 130.0	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* 7,090* 6,940* 6,790* 6,480* 5,900* 5,400*
50.0 60.0 65.0 70.0 80.0 95.0 100.0 125.0 125.0 135.0 140.0 140.0	Angle (deg.) 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 56.6 55.0	Rated Load (lbs) 19,440* 19,020* 18,620* 18,620* 16,420 14,850 13,490 12,270 11,150 10,200 9,340 7,200 6,630 6,040* 5,460* 4,890*	60.0 65.0 70.0 75.0 80.0 85.0 99.0 100.0 115.0 120.0 125.0 130.0 140.0	79.0 77.7 76.3 74.9 76.3 72.1 70.7 69.2 67.7 66.3 64.8 63.2 61.7 60.1 58.5 56.9 55.2	18,250* 17,520* 17,520* 11,660 10,670 9,780 8,200 7,530 6,940 6,370 5,790* 5,220*	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 105.0 115.0 125.0 135.0 140.0 145.0	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* 18,950* 18,160* 17,810* 16,710 15,120 13,730 12,520 11,370 10,420 9,540 8,770 8,020 7,380 6,190* 5,640* 5,070* 4,580*	65.0 70.0 75.0 80.0 85.0 90.0 95.0 110.0 120.0 135.0 140.0 145.0	79.6 78.3 76.9 75.6 74.3 72.9 71.5 68.7 65.8 64.3 62.9 61.4 59.9 58.2 56.6	7,230 6,650 6,080* 7,230 6,650 6,080* 5,510* 4,980*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 110.0 120.0 125.0 130.0 140.0 145.0 150.0	78.9 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 57.9 56.4	Rated Load (Ibs) 18,470* 18,070* 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 90.0 105.0 115.0 125.0 135.0 145.0 150.0	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	Pated Load (lbs) 11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190* 8,810 6,870* 6,300* 5,730* 5,220* 4,730*	Padius (t) 60.0 65.0 70.0 75.0 80.0 85.0 99.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 61.1 68.8 67.6 66.3 65.0 63.7 65.9 75.8 3 56.9	Pated Load (lbs) 18,000* 17,960* 17,080 15,470 14,060 12,830 11,680 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,340* 5,820* 5,260* 4,780* 4,340*	80.0 85.0 90.0 95.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 66.2 68.9 67.5 66.2 64.8 63.4 62.0 60.5	8,790* 8,550* 8,310* 7,640* 7,640* 7,090* 6,940* 6,790* 6,480* 5,900* 5,400* 4,930*
50.0 65.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0 125.0 135.0 135.0	Angle (deg.) 79.4 78.0 76.7 75.4 74.0 72.6 69.9 68.5 67.0 65.6 64.1 62.7 61.1 59.6 55.0 53.3 51.6	Rated Load (/bs) 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*	60.0 65.0 70.0 75.0 80.0 85.0 100.0 105.0 115.0 120.0 130.0 135.0	79.0 77.7 76.3 74.9 76.3 72.1 70.7 69.2 67.7 66.3 64.8 63.2 61.7 60.1 58.5 56.9	Rated Load (lbs) 18,250* 17,870* 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*	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 105.0 115.0 125.0 135.0 140.0	79.2 77.9 76.6 75.4 74.0 70.1 68.7 67.3 66.0 64.6 63.1 61.7 60.3 58.8 57.4 55.8	Pated 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 6,190* 5,640* 5,070*	Load Radius (tt) 65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0 135.0 140.0	79.6 78.3 76.9 75.6 77.1 68.7 70.1 68.7 67.3 65.8 64.3 62.9 61.4 59.9 58.2	7,230 6,650 6,080* 5,510*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 105.0 110.0 125.0 130.0 140.0 145.0	70.1 Boom Angle (deg.) 78.9 77.7 76.5 75.2 73.9 72.7 71.4 66.8 67.5 66.2 64.8 63.5 62.1 60.8 59.4 57.9 56.4	Pated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,320 12,690 11,550 10,580 9,720 8,920 8,170 7,510 6,900* 6,300* 5,750* 5,200* 4,710*	75.0 80.0 85.0 90.0 105.0 115.0 125.0 135.0 140.0 145.0 145.0	78.7 77.5 76.2 74.9 73.5 70.9 69.6 68.1 66.7 65.3 63.9 62.5 60.9 59.5	Pated Load (lbs) 11,040* 10,730* 10,420* 10,160* 9,870* 9,410* 9,190* 8,810 8,130 7,490 6,870* 6,300* 5,730* 5,220*	Padius (t) 60.0 65.0 70.0 75.0 80.0 85.0 99.0 100.0 115.0 125.0 130.0 135.0 140.0 145.0	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 58.3	Pated Load (fbs) 18,000* 17,960* 17,960* 17,980 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*	80.0 85.0 95.0 100.0 115.0 120.0 135.0 140.0 145.0	79.1 77.9 76.6 75.3 74.1 72.8 68.9 67.5 66.2 64.8 63.4 62.0	8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,090* 6,940* 6,790* 6,480* 5,900* 5,400*
50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 120.0 125.0 130.0 140.0 145.0 145.0	Angle (deg.) 79.4 78.0 76.7 75.4 71.2 69.9 68.5 67.0 65.6 64.1 62.7 61.1 59.6 55.0 55.0 55.0 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 7,200 6,630 6,040* 5,460* 4,890* 4,380*	60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 110.0 120.0 125.0 130.0 140.0 145.0	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 65.5 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 6,340 6,370 5,790* 5,220* 4,690*	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 70.1 68.7 66.0 64.6 63.1 61.7 58.8 57.4 55.8 54.2	Rated Load (bs) 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*	Load Radius (ft) 65.0 70.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	79.6 78.3 76.9 75.6 74.3 72.9 71.5 70.1 68.7 67.3 65.8 64.3 65.9 56.6 55.0	7,230 6,080* 5,510* 15,100* 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* 4,490*	Radius (ft) 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	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 64.8 59.4 55.0 53.5	Rated Load (Ibs) 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 90.0 105.0 115.0 125.0 135.0 140.0 155.0 155.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3 62.5 60.9 59.5 57.9 56.4	### Rated Load (lbs) 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* 5,730* 5,220* 4,730* 4,290*	Padius (ft) 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 61.1 68.8 67.6 66.3 65.0 63.7 65.9 75.5 55.5	Pated Load (lbs) 18,000* 17,960* 17,960* 17,590* 17,080 15,470 14,060 12,830 11,680 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,340* 5,260* 4,780* 4,340* 3,900*	80.0 85.0 90.0 95.0 100.0 115.0 120.0 125.0 135.0 140.0 145.0 150.0 165.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 70.2 68.9 67.5 66.2 63.4 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* 6,940* 6,790* 6,480* 5,400* 4,930* 4,470* 4,030* 3,610*
50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 1105.0 125.0 130.0 140.0 145.0 150.0	Angle (deg.) 79.4 78.0 76.7 75.4 71.2 69.9 68.5 67.0 65.6 64.1 62.7 61.1 59.6 55.0 55.0 55.0 50.0	Rated Load (lbs) 19,440* 19,020* 18,620* 18,250* 16,420 14,850 13,490 12,270 11,150 10,200 9,340 8,570 7,840 7,200 6,030 6,040* 5,460* 4,890* 4,380* 3,920*	60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 110.0 120.0 125.0 130.0 140.0 145.0	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 65.5 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 6,340 6,370 5,790* 5,220* 4,690*	Padius (ft) 55.0 60.0 65.0 70.0 75.0 88.0 99.0 100.0 115.0 125.0 130.0 145.0 145.0 155.0	79.2 77.9 76.6 75.4 70.1 68.7 67.3 66.0 64.6 63.1 61.7 55.8 55.8 54.2 52.7 51.0	Rated Load (bs) 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 6,790 6,190* 5,640* 5,070* 4,580* 4,120* 3,680*	Load Radius (ft) 65.0 70.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	79.6 78.3 76.9 75.6 74.3 72.9 71.5 70.1 68.7 67.3 65.8 64.3 65.9 56.6 55.0	7,230 6,080* 5,510* 15,100* 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* 4,490*	Radius (ft) 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	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 64.8 59.4 55.0 53.5	Rated Load (Ibs) 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 90.0 105.0 115.0 125.0 145.0 155.0 160.0 160.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3 62.5 60.9 59.5 57.9 56.4 54.7	Pated Load (lbs) 11,040* 10,730* 10,420* 10,160* 9,870* 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 (ft) 60.0 65.0 70.0 80.0 95.0 90.0 105.0 115.0 125.0 135.0 145.0 155.0 160.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 61.1 68.8 67.6 66.3 65.0 63.7 62.4 61.1 59.7 58.3 56.9 55.5 54.0	Pated Load (lbs) 18,000* 17,960* 17,960* 17,590* 17,080 15,470 14,060 12,830 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,3470* 5,820* 4,780* 4,340* 3,900* 3,480*	80.0 85.0 90.0 95.0 100.0 115.0 120.0 125.0 135.0 140.0 145.0 150.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 70.2 68.9 67.5 66.2 63.4 62.0 60.5 59.1 57.5 56.0	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* 4,470* 4,030*
50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 105.0 125.0 125.0 140.0 155.0 155.0	Angle (deg.) 79.4 78.0 76.7 75.4 71.2 69.9 68.5 67.0 65.6 64.1 62.7 61.1 59.6 55.0 55.0 55.0 55.0	Rated Load (lbs) 19,440* 19,020* 18,620* 18,250* 16,420 14,850 13,490 12,270 11,150 10,200 9,340 8,570 7,840 7,200 6,030 6,040* 5,460* 4,890* 4,380* 3,920*	60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 110.0 120.0 125.0 130.0 140.0 145.0	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 55.5 55.2 53.5 51.8	18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 11,660 10,670 9,780 8,200 7,530 6,340 6,370 5,790* 5,220* 4,690*	Padius (ft) 55.0 60.0 65.0 70.0 75.0 88.0 99.0 100.0 115.0 125.0 130.0 145.0 145.0 155.0	79.2 77.9 76.6 75.4 77.1 68.7 66.0 64.6 63.1 61.7 60.3 58.8 57.4 54.2 52.7 51.0 49.3	Rated Load (bs) 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 6,790 6,190* 5,640* 5,070* 4,580* 4,120* 3,680*	Load Radius (ft) 65.0 70.0 75.0 80.0 85.0 90.0 95.0 110.0 115.0 120.0 1335.0 140.0 155.0	79.6 78.3 76.9 75.6 74.3 72.9 71.5 70.1 68.7 67.3 65.8 64.3 65.9 56.6 55.0	7,230 6,080* 5,510* 15,100* 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* 4,490*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 105.0 115.0 120.0 130.0 145.0 150.0 160.0	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 64.8 59.4 55.0 53.5	Rated Load (Ibs) 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 95.0 100.0 115.0 125.0 130.0 145.0 155.0 160.0 165.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3 62.5 60.9 59.5 57.9 56.4 54.7	Pated Load (lbs) 11,040* 10,730* 10,420* 10,160* 9,870* 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 (ft) 60.0 65.0 70.0 85.0 99.0 99.0 100.0 115.0 125.0 135.0 145.0 155.0 165.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 61.1 68.8 67.6 66.3 65.0 63.7 62.4 61.1 59.7 58.3 56.9 55.5 54.0	Pated Load (lbs) 18,000* 17,960* 17,960* 17,590* 17,080 15,470 14,060 12,830 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,3470* 5,820* 4,780* 4,340* 3,900* 3,480*	80.0 85.0 90.0 95.0 100.0 115.0 120.0 125.0 135.0 140.0 145.0 150.0 165.0	79.1 77.9 76.6 75.3 74.1 72.8 70.2 68.9 67.5 66.2 64.8 63.4 62.0 60.5 59.1 57.5 56.0 54.4	8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,270* 6,940* 6,790* 6,480* 5,400* 4,930* 4,470* 4,030* 3,610*

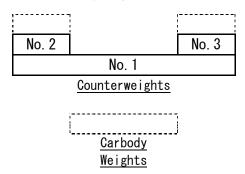
Supplemental Data - Clamshell

- 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.
- 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° Pated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)		Load Radius (ft)	Boom Angle (deg.)	360° Pated Load (lbs)
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 * 13,000 * 12,500 *

Clamshell

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

70)' Boo	m	80)' Boo	m	90)' Boo	m
Load	Boom	360°	Load	Boom	360°	Load	Boom	360°
Radius		Rated Load	Radius		Rated Load	Padius		Pated Load
(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)
34.0	64.9	21,400 *	38.0	65.1	19,200 *	42.0	65.2	17,300 *
36.0	63.1	20,200 *	40.0	63.5	18,200 *	44.0	63.8	16,500 *
38.0	61.2	19,200 *	42.0	61.9	17,300 *	46.0	62.4	15,800 *
40.0 42.0	59.3 57.4	18,200 * 17,300 *	44.0 46.0	60.2 58.6	16,500 * 15,800 *	48.0 50.0	60.9 59.5	15,200 * 14,600 *
44.0	55.4	16,500 *	48.0	56.9	15,800 *	52.0	58.0	14,000 *
46.0	53.4	15,800 *	50.0	55.1	14,600 *	54.0	56.4	13,500 *
48.0	51.3	15,200 *	52.0	53.3	14,000 *	56.0	54.9	13,000 *
50.0 52.0	49.1 46.9	14,600 * 14,000 *	54.0 56.0	51.5 49.6	13,500 * 13,000 *	58.0 60.0	53.3 51.7	12,500 * 12,100 *
54.0	44.6	13,500 *	58.0	47.7	12,500 *	62.0	50.0	11,700 *
56.0	42.2	13,000 *	60.0	45.7	12,100 *	64.0	48.3	11,400 *
58.0	39.6	12,500 *	62.0	43.7	11,700 *	66.0	46.6	11,000 *
60.0 62.0	37.0	12,100 *	64.0	41.5	11,400 * 11,000 *	68.0	44.8	10,700 *
64.0	34.1 31.0	11,700 * 11,400 *	66.0 68.0	39.3 37.0	10,700 *	70.0 72.0	43.0 41.0	10,400 * 10,100 *
66.0	27.6	11,000 *	70.0	34.5	10,400 *	74.0	39.0	9,700
		·	72.0	31.8	10,100 *	76.0	36.9	9,200
			74.0	28.9	9,800 *	78.0	34.7	9,000
			76.0	25.7	9,400 *	80.0 82.0	32.4 29.9	8,500 8,300
						84.0	27.2	7,900
1 1								
10	0' Boo	om	11	0' Boo	om	12	0' Boo	om 💮
10 Load	0' Boom	om <u>360</u>	11 Load	0' Boom	om 360°	12 Load	0' Boom	om <u>360°</u>
Load Radius	Boom Angle	360° Rated Load	Load Padius	Boom Angle	360° Rated Load	Load Padius	Boom Angle	360° Rated Load
Load Padius (ft)	Boom Angle (deg.)	360° Pated Load (lbs)	Load Padius (ft)	Boom Angle (deg.)	360° Pated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Pated Load (lbs)
Load Radius (ft) 46.0	Boom Angle (deg.) 65.4	360° Pated Load (lbs) 15,800 *	Load Radius (ft) 56.0	Boom Angle (deg.)	360° Pated Load (lbs) 11,900 *	Load Radius (ft) 56.0	Boom Angle (deg.) 64.5	360° Pated Load (lbs) 11,400 *
Load Radius (ft) 46.0 48.0	Boom Angle (deg.) 65.4 64.1	360° Pated Load (lbs) 15,800 * 15,200 *	Load Padius (ft) 56.0 58.0	Boom Angle (deg.) 62.0 60.8	360° Pated Load (lbs) 11,900 * 11,700 *	Load Padius (ft) 56.0 58.0	Boom Angle (deg.) 64.5 63.4	360° Pated Load (lbs) 11,400 * 11,300 *
Load Radius (ft) 46.0	Boom Angle (deg.) 65.4	360° Pated Load (lbs) 15,800 *	Load Radius (ft) 56.0	Boom Angle (deg.)	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 *	Load Radius (ft) 56.0	Boom Angle (deg.) 64.5	360° Pated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 *
Load Padius (ft) 46.0 48.0 50.0 52.0 54.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2	360 Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 *	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1	360 Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 *	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2	360° Pated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 * 10,800 *
Load Padius (ft) 46.0 48.0 50.0 52.0 54.0 56.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8	360 Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 *	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8	360 Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,800 *	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0	360° Pated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 * 10,800 * 10,600 *
Load Padius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2	360 Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 *	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1	360 Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,800 * 10,400 *	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9	360° Pated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 * 10,800 *
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0 62.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7	360 Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 * 11,700 *	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0	360 Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,800 * 10,400 * 10,100 9,700	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6	360° Pated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 * 10,800 * 10,600 * 10,200 * 9,900 9,500
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0 62.0 64.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3	360 Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 * 11,700 * 11,400 *	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6	360 Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,800 * 10,400 * 10,100 9,700 9,300	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5	360° Pated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 * 10,800 * 10,600 * 10,200 * 9,900 9,500 9,100
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0 62.0 64.0 66.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8	360 Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 * 11,700 * 11,400 * 11,000 *	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,800 * 10,400 * 10,100 9,700 9,300 8,900	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 66.0 70.0 72.0 74.0 76.0	Boom Angle (deg.) 64.5 63.4 62.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 * 10,800 * 10,600 * 10,200 * 9,900 9,500 9,100 8,800
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 68.0 64.0 66.0 68.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 12,500 * 12,100 * 11,700 * 11,400 * 11,000 * 10,700 *	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,400 * 10,100 9,700 9,300 8,900 8,500	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0	Boom Angle (deg.) 64.5 63.4 62.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 * 10,800 * 10,600 * 10,200 * 9,900 9,500 9,100 8,800 8,400
Load Padius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8 47.3	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 12,500 * 12,500 * 12,100 * 11,700 * 11,400 * 11,000 * 10,700 * 10,300 9,900	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0 80.0 82.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,400 * 10,100 9,700 9,300 8,900 8,500 8,200 7,900	Load Padius (tt) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0 80.0 82.0	Boom Angle (deg.) 64.5 63.4 62.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8 49.6	360° Rated Load (lbs) 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
Load Padius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8 47.3 45.7	360° Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 12,500 * 12,100 * 11,700 * 11,400 * 11,000 * 10,700 * 10,300 9,900 9,400	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4	360° Pated Load (lbs) 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	Load Padius (tt) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8 49.6 48.3	360° Rated Load (lbs) 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
Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8 47.3 45.7 44.1	360° Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 12,500 * 12,100 * 11,700 * 11,400 * 11,000 * 10,700 * 10,300 9,900 9,400 9,000	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 41.9	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,400 * 10,100 9,700 9,300 8,900 8,500 8,200 7,900 7,500 7,200	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8 49.6 48.3 47.0	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 * 10,800 * 10,600 * 10,200 * 9,900 9,500 9,100 8,800 8,400 8,100 7,700 7,400 7,100
Load Padius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8 47.3 45.7	360° Pated Load (lbs) 15,800 * 15,200 * 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	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 41.9 40.3	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,400 * 10,400 * 10,100 9,700 9,300 8,900 8,500 8,200 7,900 7,500 7,200 7,000	Load Padius (tt) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8 49.6 48.3 47.0 45.7	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 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
Load Radius (tt) 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	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 47.3 45.7 44.1 42.4 40.6 38.8	360' Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 * 11,700 * 11,400 * 11,400 * 10,300 9,900 9,400 9,000 8,800 8,300 8,100	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0 88.0 90.0 92.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 41.9 40.3 38.6 36.9	360' Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,400 * 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	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0 88.0 90.0 92.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8 49.6 48.3 47.0 45.7 44.3 42.9	360° Rated Load (lbs) 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
Load Radius (tt) 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	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 47.3 45.7 44.1 42.4 40.6 38.8 36.9	360' Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 * 11,700 * 11,400 * 11,000 * 10,300 9,900 9,400 9,000 8,800 8,300 8,100 7,700	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0 88.0 90.0 92.0 94.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 41.9 40.3 38.6 36.9 35.1	360' Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,400 * 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	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0 88.0 90.0 92.0 94.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8 49.6 48.3 47.0 45.7 44.3 42.9 41.5	360° Pated Load (lbs) 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
Load Radius (tt) 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	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8 47.3 45.7 44.1 42.4 40.6 38.8 36.9 35.0	360° Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 * 11,700 * 11,400 * 11,000 * 10,300 9,900 9,400 9,000 8,800 8,300 8,100 7,700 7,400	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 70.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0 88.0 90.0 92.0 94.0 96.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 41.9 40.3 38.6 36.9 35.1 33.3	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,400 * 10,400 * 10,100 9,700 9,300 8,900 8,500 8,500 8,500 7,900 7,500 7,200 7,000 6,800 6,600 6,400 6,200	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0 88.0 90.0 92.0 94.0 96.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8 49.6 48.3 47.0 45.7 44.3 42.9 41.5 40.0	360° Pated Load (lbs) 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
Load Radius (tt) 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 86.0 88.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8 47.3 45.7 44.1 42.4 40.6 38.8 36.9 35.0 32.9	360' Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 * 11,700 * 11,400 * 11,400 * 10,700 * 10,300 9,900 9,400 9,000 8,800 8,300 8,100 7,700 7,400 7,200	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 70.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0 88.0 90.0 92.0 94.0 96.0 98.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 41.9 40.3 38.6 36.9 35.1 33.3 31.3	360' Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,400 * 10,400 * 10,100 9,700 9,300 8,900 8,500 8,500 8,500 7,900 7,500 7,200 7,000 6,800 6,600 6,400 6,200 5,900	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0 88.0 90.0 92.0 94.0 96.0 98.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8 49.6 48.3 47.0 45.7 44.3 42.9 41.5 40.0 38.5	360° Pated Load (lbs) 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
Load Radius (tt) 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	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8 47.3 45.7 44.1 40.6 38.8 36.9 35.0 32.9 30.7 28.3	360° Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 * 11,700 * 11,400 * 11,000 * 10,300 9,900 9,400 9,000 8,800 8,300 8,100 7,700 7,400	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 70.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0 88.0 90.0 92.0 94.0 96.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 41.9 40.3 38.6 36.9 35.1 33.3 31.3 29.2 27.0	360° Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,400 * 10,400 * 10,100 9,700 9,300 8,900 8,500 8,500 8,500 7,900 7,500 7,200 7,000 6,800 6,600 6,400 6,200	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0 88.0 90.0 92.0 94.0 96.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8 49.6 48.3 47.0 45.7 44.3 42.9 41.5 40.0 38.5 36.9 35.3	360° Pated Load (lbs) 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
Load Radius (ft) 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 86.0 88.0 90.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8 47.3 45.7 44.1 42.4 40.6 38.8 36.9 35.0 32.9 30.7	360' Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 12,500 * 12,100 * 11,700 * 11,400 * 11,400 * 10,700 * 10,300 9,900 9,400 9,000 8,800 8,300 8,100 7,700 7,400 7,200 7,000	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 70.0 74.0 76.0 78.0 80.0 82.0 84.0 88.0 90.0 92.0 94.0 96.0 98.0 100.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 41.9 40.3 38.6 36.9 35.1 33.3 31.3 29.2	360' Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,400 * 10,400 * 10,100 9,700 9,300 8,900 8,500 8,500 8,200 7,900 7,500 7,200 7,000 6,800 6,600 6,400 6,200 5,900 5,700	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 70.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0 88.0 90.0 92.0 94.0 96.0 98.0 100.0 102.0 104.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8 49.6 48.3 47.0 45.7 44.3 42.9 41.5 40.0 38.5 36.9 35.3 33.6	360° Pated Load (lbs) 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
Load Radius (ft) 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 78.0 80.0 82.0 84.0 86.0 88.0 90.0 92.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8 47.3 45.7 44.1 40.6 38.8 36.9 35.0 32.9 30.7 28.3	360' Pated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 12,500 * 12,100 * 11,700 * 11,400 * 11,000 * 10,300 9,900 9,400 9,000 8,800 8,300 8,100 7,700 7,400 7,200 7,000 6,800	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 70.0 74.0 76.0 78.0 80.0 82.0 84.0 88.0 90.0 92.0 94.0 96.0 98.0 100.0 102.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 41.9 40.3 38.6 36.9 35.1 33.3 31.3 29.2 27.0	360' Pated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,400 * 10,400 * 10,100 9,700 9,300 8,900 8,500 8,200 7,500 7,500 7,500 7,500 7,500 7,000 6,800 6,600 6,400 6,200 5,900 5,700 5,500	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 70.0 74.0 76.0 78.0 80.0 82.0 84.0 88.0 90.0 92.0 94.0 96.0 98.0 100.0 102.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8 49.6 48.3 47.0 45.7 44.3 42.9 41.5 40.0 38.5 36.9 35.3	360° Pated Load (lbs) 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

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	olicable	

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	Boon	n				60	' Boon	n		
				d Load (lk	ns)				60° Rated	l Load (Ir	ns)				60° Rated	d Load (Ir	ns)
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 19.0	70.1 68.5	147,800 * 140,500 *	146,400 * 134,600 *	126,100 * 122,400 *		19.0 20.0	72.9 71.7	140,100 *	132,200 *			20.0	74.9 72.9	132,200 115,100	118,100 *		
20.0	66.9	132,800	124,900	116,500 *	100,300 *	22.0	69.3	132,400 115,300	122,900 106,800	98,500 *		24.0	70.9	100,800	105,300 93,000	81,600 *	
22.0	63.7	115,600	108,300	103,400	97,800 *	24.0	66.8	101,000	94,400	89,500 *	77,800 *	26.0	68.8	89,100	83,200	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 30.0	53.4 49.8	80,900 73,300	77,400 70,600	75,100 68,700	72,900 67,000	30.0 32.0	59.1 56.3	73,000 67,000	69,700 63,900	67,200 61,900	64,900 60,000	32.0 34.0	62.5 60.3	66,600 61,600	63,200 58,400	60,600 56,200	58,400 54,400
32.0	45.8	67,200	64,800	63,400	62,000	34.0	53.4	62,000	59,100	57,400	55,900	36.0	58.0	57,300	54,200	52,400	50,800
34.0	41.2	61,700	60,000	58,900	57,800	36.0	50.3	57,800	55,000	53,600	52,300	38.0	55.7	53,100	50,600	49,100	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 40.0	31.1 25.4	51,500 45,900 *	51,000 * 44,800 *	49,700 * 43,600 *	48,400 * 42,500 *	40.0 42.0	44.0 40.4	49,800 47,000	48,100	47,200 44,600	46,300	42.0 44.0	50.9 48.3	46,600 43,800	44,600	43,500 41,100	42,400
40.0	23.4	43,900	44,000	43,000	42,300	44.0	36.7	44,300	45,400 42,900	42,200	43,800 41,500	46.0	45.8	41,100	42,100 39,800	38,900	40,200 38,100
						46.0	62.9	41,500	40,600	40,000	39,500	48.0	42.8	39,200	37,700	37,000	36,300
						48.0	27.6	38,300	38,200 *	37,400 *	36,700 *	50.0	39.9	37,200	35,900	35,300	34,800
						50.0	22.3	35,100	34,800 *	33,900 *		55.0	31.2	32,900	31,900 *	31,500 *	31,100 *
												60.0	20.7	28,600 *			
Ree	ves	8	7	6	4	Rec	eves	8	6	4	4	Ree	eves	8	5	4	4
Ree		8 Boon		6	4	Ree		8 ' Boo n		4	4	Rec		8 ' Boo r	_	4	4
Ree		Boon	n	6 Load (lb		Rec		Boon				Rec		'Boor	_		
Load Padius	70 Boom	Boon	n			Load Padius	80 Boom	Boon	n			Load Padius	90 Boom	'Boor	n		
Load Radius (ft)	Boom Angle (deg.)	Boon 30 0 Degree Machine List	n 60° Pateo	d Load (Ib	os) 2 Degree	Load Radius (ft)	Boom Angle (deg.)	Boon 30 0 Degree Machine List	n 60° Pateo 1 Degree	Load (Ik	os) 2 Degree	Load Radius (ft)	Boom Angle (deg.)	Boon 30 0 Degree Machine List	n 60° Pateo	d Load (Ik	os) 2 Degree
Load Padius (ft)	Boom Angle (deg.)	Boon 30 0 Degree Machine List 151,000 *	1 Degree Machine	d Load (Ib 2 Degree Machine	2 Degree Machine	Load Radius (ft)	Boom Angle (deg.) 81.6	Degree Machine List	1 Degree Machine	Load (Ill 2 Degree Machine	2 Degree Machine	Load Padius (ft)	Boom Angle (deg.) 81.9	Degree Machine List 125,800 *	60° Pateo	Load (II) 2 Degree Machine	2 Degree Machine
Load Radius (ft) 15.0 16.0	81.3 80.4	30 Degree Machine List 151,000 * 151,000 *	1 Degree Machine	d Load (Ib 2 Degree Machine	2 Degree Machine	Load Radius (ft) 16.0 17.0	Boom Angle (deg.) 81.6 80.9	30 Degree Machine List 151,000 * 149,300 *	1 Degree Machine	Load (Ill 2 Degree Machine	2 Degree Machine	Load Padius (ft) 17.0 18.0	Boom Angle (deg.) 81.9 81.3	30 Degree Machine List 125,800 * 125,800 *	60° Pateo	Load (II) 2 Degree Machine	2 Degree Machine
Load Radius (ft)	Boom Angle (deg.)	Boon 30 0 Degree Machine List 151,000 *	1 Degree Machine	d Load (Ib 2 Degree Machine	2 Degree Machine	Load Radius (ft)	Boom Angle (deg.) 81.6	Degree Machine List	1 Degree Machine	Load (Ill 2 Degree Machine	2 Degree Machine	Load Padius (ft)	Boom Angle (deg.) 81.9	Degree Machine List 125,800 *	60° Pateo	Load (II) 2 Degree Machine	2 Degree Machine
Load Padius (ft) 15.0 16.0 17.0	Boom Angle (deg.) 81.3 80.4 79.6	Degree Machine List 151,000 * 149,400 *	1 Degree Machine	d Load (Ib 2 Degree Machine	2 Degree Machine	Load Padius (ft) 16.0 17.0 18.0	Boom Angle (deg.) 81.6 80.9 80.2	## To Degree Machine List 151,000 * 149,300 * 146,500 *	1 Degree Machine	Load (Ill 2 Degree Machine	2 Degree Machine	Load Padius (ft) 17.0 18.0 19.0	Boom Angle (deg.) 81.9 81.3 80.7	30 Degree Machine List 125,800 * 125,800 *	60° Pateo	Load (II) 2 Degree Machine	2 Degree Machine
Load Radius (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	30 Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200	1 Degree Machine	d Load (Ib 2 Degree Machine	2 Degree Machine	Load Padius (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	## Company	1 Degree Machine	Load (Ill 2 Degree Machine	2 Degree Machine	Load Fadius (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	30 Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800	60° Pateo	Load (II) 2 Degree Machine	2 Degree Machine
Load Padius (ft) 15.0 16.0 17.0 18.0 19.0 20.0 22.0	Boom Angle (deg.) 81.3 80.4 79.6 78.7 77.9 77.1 75.4	0 Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200 115,400	1 Degree Machine List	d Load (Ib 2 Degree Machine	2 Degree Machine	Load Padius (ft) 16.0 17.0 18.0 19.0 20.0 22.0 24.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8	## Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 115,100 101,000	1 Degree Machine List	Load (Ill 2 Degree Machine	2 Degree Machine	Load Padius (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	30 Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100	1 Degree Machine List	Load (II) 2 Degree Machine	2 Degree Machine
Load Radius (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	30 Degree Machine List 151,000 * 151,000 * 149,400 * 146,700 * 139,800 * 132,200	1 Degree Machine	d Load (Ib 2 Degree Machine	2 Degree Machine	Load Padius (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	## Company	1 Degree Machine	Load (Ill 2 Degree Machine	2 Degree Machine	Load Fadius (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	30 Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800	60° Pateo	Load (II) 2 Degree Machine	2 Degree Machine
Load Padius (ft) 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	## December 2015	92,400 82,800 75,000	2 Degree Machine List 68,700 * 67,400 *	2 Degree Machine List	Load Fadius (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	## December 1	1 Degree Machine List 81,800 74,100 67,700	List 2 Degree Machine List 58,100 *	2 Degree Machine List	Load Padius (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	## Company	1 Degree Machine List 73,000 * 66,900 61,600	2 Degree Machine List	2 Degree Machine
Load Padius (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 68.5 68.5	## December 2015	92,400 82,800 75,000 68,500	2 Degree Machine List 68,700 * 67,400 * 65,000	2 Degree Machine List	Load Fadius (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	## Doon 30 ## Operation	1 Degree Machine List 81,800 74,100 67,700 62,200	# Load (III) 2 Degree Machine List 58,100 * 57,100 *	2 Degree Machine List	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 78.7 77.4 76.1 74.8 73.5 72.1 70.8	## Company	73,000 * 66,900 61,600 56,900	2 Degree Machine List 50,600 * 49,600 *	2 Degree Machine List
Load Radius (ft) 15.0 16.0 17.0 18.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0	Boom Angle (deg.) 81.3 80.4 79.6 77.9 77.1 75.4 73.7 72.0 70.3 68.5 66.7	## December 2015	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 *	Load Padius (ft) 16.0 17.0 18.0 19.0 20.0 24.0 26.0 28.0 30.0 32.0 34.0	80 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	## Degree Machine List	81,800 74,100 67,700 62,200 57,500	58,100 * 54,700	2 Degree Machine List 46,400 * 44,700 *	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	Boom Angle (deg.) 81.9 81.3 80.7 77.4 76.1 74.8 73.5 72.1 70.8 69.4	## Company	73,000 * 66,900 61,600 55,900 53,000	2 Degree Machine List 50,600 * 49,600 * 49,000 *	2 Degree Machine List 39,900 *
Load Fadius (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 68.5 68.5	## December 2015	92,400 82,800 75,000 68,500	2 Degree Machine List 68,700 * 67,400 * 65,000	2 Degree Machine List	Load Fadius (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	## Doon 30 ## Operation	1 Degree Machine List 81,800 74,100 67,700 62,200	# Load (III) 2 Degree Machine List 58,100 * 57,100 *	2 Degree Machine List	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 78.7 77.4 76.1 74.8 73.5 72.1 70.8	## Company	73,000 * 66,900 61,600 56,900	2 Degree Machine List 50,600 * 49,600 *	2 Degree Machine List
Load 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 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 68.5 66.7 64.9 63.0 61.2	## December 2015 O Degree Machine List	92,400 82,800 75,000 68,500 63,000 58,300 54,200 50,600	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	Load Radius (ft) 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	800 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	## Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800	81,800 74,100 67,700 62,200 57,500 53,500 50,000 46,800	58,100 * 57,100 * 54,700 \$ 51,000 \$ 54,800 \$ 54,000 \$ 54,	2 Degree Machine List 46,400 * 44,700 * 43,300 * 41,800 * 40,400 *	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	90 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	## Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800	73,000 * 66,900 61,600 56,900 49,500 46,300 43,600	50,600 * 49,600 * 47,000 * 44,200 41,700	2 Degree Machine List 39,900 * 38,500 * 37,600 * 36,400 *
Load 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 34.0 36.0 38.0 40.0	Boom Angle (deg.) 81.3 80.4 79.6 77.1 75.4 73.7 72.0 70.3 68.5 66.7 64.9 63.0 61.2 59.3	## December 2015 O Degree Machine List	92,400 82,800 75,000 68,500 63,000 58,300 54,200 50,600 47,400	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	Load Radius (ft) 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 42.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 71.2 69.7 68.2 66.6 65.1 63.5 61.8	## Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800	81,800 74,100 67,700 62,200 57,500 53,500 50,000 46,800 44,100	58,100 * 57,100 * 54,700 \$ 54,700 \$ 54,000 \$ 45,000 \$ 42,400	2 Degree Machine List 46,400 * 44,700 * 43,300 * 41,800 * 40,400 * 39,000 *	Load Radius (ft) 17.0 18.0 19.0 20.0 24.0 24.0 26.0 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 78.7 80.0 77.4 76.1 74.8 69.4 68.0 66.6 65.2 63.8	## Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 ## Region of the Company of	73,000 * 66,900 61,600 56,900 49,500 46,300 43,600 41,100	50,600 * 49,600 * 47,000 * 41,700 39,500	2 Degree Machine List 39,900 * 38,500 * 37,600 * 36,400 * 35,400 *
Load Radius (ft) 15.0 16.0 17.0 18.0 19.0 20.0 22.0 22.0 24.0 26.0 32.0 34.0 36.0 38.0 40.0 42.0	Boom Angle (deg.) 81.3 80.4 79.6 77.1 75.4 73.7 72.0 68.5 66.7 64.9 63.0 61.2 59.3 57.3	## December 2015	92,400 82,800 75,000 68,500 63,000 58,300 54,200 50,600 47,400 44,600	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	Load Radius (ft) 16.0 17.0 18.0 19.0 20.0 22.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0	800 Angle (deg.) 81.6 80.9 80.2 79.5 78.8 74.3 75.8 71.2 69.7 68.2 66.6 65.1 63.5 61.8 60.2	## Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 115,100	81,800 74,100 67,700 62,200 57,500 53,500 50,000 46,800 44,100 41,600	58,100 * 57,100 * 54,700 \$ 51,000 \$ 47,800 \$ 42,400 \$ 40,100	2 Degree Machine List 46,400 * 44,700 * 43,300 * 41,800 * 40,400 * 39,000 * 37,700	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 24.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0	Boom Angle (deg.) 81.9 81.3 80.7 76.1 74.8 75.1 70.8 69.4 68.0 66.6 65.2 63.8 62.4	## Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500 43,700 40,900 40,900	73,000 * 66,900 61,600 56,900 49,500 46,300 43,600 41,100 38,900	50,600 * 49,600 * 47,000 * 47,000 * 41,700 39,500 37,400	39,900 * 38,500 * 37,600 * 36,400 * 35,400 * 34,300
Load 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 34.0 36.0 38.0 40.0	Boom Angle (deg.) 81.3 80.4 79.6 77.1 75.4 73.7 72.0 70.3 68.5 66.7 64.9 63.0 61.2 59.3	## December 2015 O Degree Machine List	92,400 82,800 75,000 68,500 63,000 58,300 54,200 50,600 47,400	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	Load Radius (ft) 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 42.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 71.2 69.7 68.2 66.6 65.1 63.5 61.8	## Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800	81,800 74,100 67,700 62,200 57,500 53,500 50,000 46,800 44,100	58,100 * 57,100 * 54,700 \$ 54,700 \$ 54,000 \$ 45,000 \$ 42,400	2 Degree Machine List 46,400 * 44,700 * 43,300 * 41,800 * 40,400 * 39,000 *	Load Radius (ft) 17.0 18.0 19.0 20.0 24.0 24.0 26.0 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 78.7 80.0 77.4 76.1 74.8 69.4 68.0 66.6 65.2 63.8	## Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 ## Region of the Company of	73,000 * 66,900 61,600 56,900 49,500 46,300 43,600 41,100	50,600 * 49,600 * 47,000 * 41,700 39,500	2 Degree Machine List 39,900 * 38,500 * 37,600 * 36,400 * 35,400 *
Load Radius (ft) 15.0 16.0 17.0 18.0 19.0 20.0 22.0 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 72.0 68.5 66.7 64.9 63.0 61.2 59.3 55.3	## December 2015	92,400 82,800 75,000 68,500 63,000 54,200 50,600 47,400 44,600 42,100 39,800 37,700	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 37,700 35,900	Load Radius (tt) 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 42.0 44.0 46.0	800 Angle (deg.) 81.6 80.9 80.2 79.5 78.8 74.3 75.8 71.2 69.7 68.2 66.6 65.1 63.5 61.8 60.2 58.5	## Department	81,800 74,100 67,700 62,200 57,500 50,000 46,800 44,100 41,600 39,300 37,300 35,500	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 * 37,700 36,200 34,800 33,600	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 32.0 34.0 38.0 40.0 44.0 44.0 46.0 48.0	Boom Angle (deg.) 81.9 81.3 80.7 77.4 76.1 74.8 69.4 68.0 66.6 65.2 63.8 62.4 60.9	## Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 * 89,100 * 66,600 * 61,600 * 57,300 * 53,100 * 49,300 * 46,500 * 43,700 * 40,900 * 38,900 * 100,000 * 1	73,000 * 66,900 61,600 56,900 53,000 49,500 46,300 43,600 41,100 38,900 36,900	50,600 * 49,600 * 47,000 41,700 39,500 37,400 35,600	39,900 * 38,500 * 37,600 * 36,400 * 35,400 * 34,300 33,200 32,000 29,200
Load Redius (ft) 15.0 16.0 17.0 18.0 19.0 20.0 24.0 24.0 36.0 38.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0	Poom Angle (deg.) 81.3 80.4 79.6 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 55.3 51.2 49.0	## Deciral Property	92,400 82,800 75,000 68,500 68,500 68,500 63,000 54,200 50,600 47,400 44,600 42,100 39,800 37,700 35,900	68,700 * 67,400 * 65,000 60,100 55,700 48,700 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	Load Radius (tt) 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 42.0 44.0 46.0 48.0 50.0 55.0	Boom 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 58.5 56.8 55.1 50.5	## Degree Machine List	81,800 74,100 67,700 62,200 57,500 50,000 46,800 44,100 41,600 39,300 37,300 35,500 31,500	58,100 * 57,100 * 57,100 * 51,000 47,800 42,400 40,100 38,000 36,200 34,500 30,800	2 Degree Machine List 46,400 * 44,700 * 43,300 * 41,800 * 40,400 * 37,700 36,200 34,800 33,600 30,000	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 32.0 34.0 38.0 40.0 44.0 46.0 48.0 50.0 60.0	Boom Angle (deg.) 81.9 81.3 80.7 77.4 76.1 74.8 72.1 70.8 66.6 65.2 63.8 62.4 60.9 59.4 55.7 51.7	## Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 * 89,100 * 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,	73,000 * 60° Patece 1 Degree Machine List 73,000 * 66,900 61,600 56,900 56,900 49,500 46,300 43,600 41,100 38,900 36,900 35,100 31,200 28,100	50,600 * 49,600 * 47,000 * 44,200 * 41,700 * 39,500 * 37,400 * 35,600 * 30,300 * 27,400	39,900 * 38,500 * 36,400 * 36,400 * 36,400 * 36,400 * 36,400 * 36,400 * 36,400 * 29,200 26,600
Load Redius (ft) 15.0 16.0 17.0 18.0 19.0 22.0 24.0 24.0 36.0 38.0 34.0 36.0 38.0 44.0 44.0 46.0 48.0 50.0 55.0	Poom Angle (deg.) 81.3 80.4 79.6 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 55.3 51.2 49.0 43.2	## December 13	92,400 82,800 75,000 68,500 68,500 68,500 68,000 59,000 47,400 44,600 42,100 39,800 37,700 35,900 32,000	68,700 * 67,400 * 65,000 60,100 55,700 \$2,100 48,700 45,700 43,100 40,800 38,700 36,700 31,400	53,600 * 51,800 * 47,900 * 47,900 * 45,800 41,500 39,700 37,700 35,900 34,300 30,800	Load Radius (tt) 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 44.0 46.0 48.0 50.0 55.0 60.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 71.2 69.7 66.2 66.6 65.1 63.5 61.8 60.2 58.5 56.8 55.1 50.5 45.7	## Open Company	81,800 74,100 67,700 62,200 57,500 50,000 46,800 44,100 41,600 39,300 37,300 35,500 31,500 28,300	58,100 * 57,100 * 57,100 * 51,000 47,800 42,400 40,100 38,000 36,200 34,500 30,800 27,700	2 Degree Machine List 46,400 * 44,700 * 43,300 * 41,800 * 37,700 36,200 34,800 33,600 30,000 27,200	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 32.0 34.0 38.0 40.0 44.0 46.0 48.0 50.0 65.0	Boom Angle (deg.) 81.9 81.3 80.7 77.4 76.1 77.8 68.0 66.6 65.2 63.8 62.4 60.9 59.4 55.7 51.7 47.4	## Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 * 89,100 * 80,500 * 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 * 100,00	73,000 * 60° Patece 1 Degree Machine List 73,000 * 66,900 61,600 56,900 53,000 49,500 46,300 43,600 41,100 38,900 36,900 31,200 28,100 25,400	50,600 * 49,600 * 47,000 * 44,200 * 41,700 * 39,500 * 37,400 * 35,600 * 30,300 * 27,400 * 24,800 *	39,900 * 38,500 * 36,400 * 36,400 * 36,400 * 36,400 * 36,400 * 36,400 * 29,200 26,600 24,200
Load Redius (tt) 15.0 16.0 17.0 18.0 19.0 22.0 24.0 24.0 30.0 33.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0	Poom 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 51.2 49.0 43.2 36.9	## December 18	92,400 82,800 75,000 68,500 68,500 68,500 68,000 59,000 47,400 44,600 42,100 39,800 37,700 35,900 32,000 28,800	68,700 * 67,400 * 65,700 * 65,700 * 65,700 * 65,700 * 48,700 44,700 44,700 43,100 40,800 38,700 36,700 31,400 28,400	53,600 * 53,600 * 51,800 * 44,900 * 47,900 * 45,800 41,500 39,700 37,700 35,900 34,300 30,800 28,100	Load Radius (tt) 16.0 17.0 18.0 19.0 20.0 24.0 26.0 28.0 30.0 30.0 30.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 50.0 55.0 60.0 65.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 66.6 65.1 63.5 61.8 60.2 58.5 56.8 55.1 50.5 45.7 40.4	## Open Company	81,800 74,100 67,700 62,200 57,500 53,500 46,800 44,100 41,600 39,300 37,300 35,500 31,500 28,300 25,700	58,100 * 57,100 * 57,100 * 57,100 * 57,100 * 51,000 * 51,	25) 2 Degree Machine List 46,400 * 44,700 * 43,300 * 41,800 * 37,700 36,200 34,800 33,600 30,000 27,200 24,800	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 38.0 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 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 42.9	## Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 * 89,100 * 80,500 * 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 * 100,000	73,000 * 60° Patece 1 Degree Machine List 73,000 * 66,900 61,600 56,900 49,500 49,500 46,300 41,100 38,900 35,100 31,200 28,100 25,400 23,100	50,600 * 49,600 * 47,000 * 44,200 * 41,700 39,500 37,400 35,600 34,000 30,300 27,400 24,800 22,700	39,900 * 38,500 * 36,400 * 36,400 * 36,400 * 36,400 * 36,400 * 36,400 * 20,200 24,200 22,200
Load Redius (ft) 15.0 16.0 17.0 18.0 19.0 22.0 24.0 24.0 36.0 38.0 34.0 36.0 38.0 44.0 44.0 46.0 48.0 50.0 55.0	Poom Angle (deg.) 81.3 80.4 79.6 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 55.3 51.2 49.0 43.2	## December 13	92,400 82,800 75,000 68,500 68,500 68,500 68,000 59,000 47,400 44,600 42,100 39,800 37,700 35,900 32,000	68,700 * 67,400 * 65,000 60,100 55,700 \$2,100 48,700 45,700 43,100 40,800 38,700 36,700 31,400	53,600 * 51,800 * 47,900 * 47,900 * 45,800 41,500 39,700 37,700 35,900 34,300 30,800	Load Radius (tt) 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 44.0 46.0 48.0 50.0 55.0 60.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 71.2 69.7 66.2 66.6 65.1 63.5 61.8 60.2 58.5 56.8 55.1 50.5 45.7	## Open Company	81,800 74,100 67,700 62,200 57,500 50,000 46,800 44,100 41,600 39,300 37,300 35,500 31,500 28,300	58,100 * 57,100 * 57,100 * 51,000 47,800 42,400 40,100 38,000 36,200 34,500 30,800 27,700	2 Degree Machine List 46,400 * 44,700 * 43,300 * 41,800 * 37,700 36,200 34,800 33,600 30,000 27,200	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 32.0 34.0 38.0 40.0 44.0 46.0 48.0 50.0 65.0	Boom Angle (deg.) 81.9 81.3 80.7 77.4 76.1 77.8 68.0 66.6 65.2 63.8 62.4 60.9 59.4 55.7 51.7 47.4	## Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 * 89,100 * 80,500 * 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 * 100,00	73,000 * 60° Patece 1 Degree Machine List 73,000 * 66,900 61,600 56,900 53,000 49,500 46,300 43,600 41,100 38,900 36,900 31,200 28,100 25,400	50,600 * 49,600 * 47,000 * 44,200 * 41,700 * 39,500 * 37,400 * 35,600 * 30,300 * 27,400 * 24,800 *	39,900 * 38,500 * 36,400 * 36,400 * 36,400 * 36,400 * 36,400 * 36,400 * 29,200 26,600 24,200
Load Redius (tt) 15.0 16.0 17.0 18.0 19.0 22.0 24.0 24.0 30.0 33.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0	Poom 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 51.2 49.0 43.2 36.9	## December 18	92,400 82,800 75,000 68,500 68,500 68,500 68,500 64,200 50,600 47,400 44,600 42,100 39,800 37,700 35,900 32,000 28,800	68,700 * 67,400 * 65,700 * 65,700 * 65,700 * 65,700 * 48,700 44,700 44,700 43,100 40,800 38,700 36,700 31,400 28,400	53,600 * 53,600 * 51,800 * 44,900 * 47,900 * 45,800 41,500 39,700 37,700 35,900 34,300 30,800 28,100	Load Radius (tt) 16.0 17.0 18.0 19.0 20.0 24.0 26.0 28.0 30.0 30.0 33.0 34.0 36.0 38.0 44.0 44.0 46.0 48.0 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 66.6 65.1 63.5 61.8 60.2 58.5 56.8 55.1 50.5 45.7 40.4 34.3	## Open Company	81,800 74,100 67,700 62,200 57,500 50,000 46,800 44,100 41,600 39,300 37,300 35,500 28,300 25,700 23,400	58,100 * 57,100 * 57,100 * 57,100 * 57,100 * 51,000 * 51,	2 Degree Machine List 46,400 * 44,700 * 43,300 * 41,800 * 40,400 * 37,700 36,200 34,800 33,600 30,000 27,200 24,800 22,800	Load Radius (tt) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 38.0 30.0 34.0 34.0 44.0 44.0 45.0 65.0 65.0 75.0	Boom Angle (deg.) 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 63.8 62.4 60.9 55.7 51.7 47.4 42.9 37.9	## Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 * 89,100 * 80,500 * 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 * 21,800 * 100,000	73,000 * 60° Patece 1 Degree Machine List 73,000 * 66,900 61,600 56,900 56,900 49,500 46,300 43,600 41,100 38,900 36,900 35,100 31,200 28,100 25,400 23,100 21,200	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 20,800	39,900 * 38,500 * 36,400 * 34,300 33,200 29,200 26,600 24,200 22,200 20,500
Load Radius (ft) 15.0 16.0 17.0 18.0 19.0 22.0 24.0 26.0 38.0 38.0 40.0 44.0 46.0 48.0 50.0 65.0 65.0	Poom 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 51.2 49.0 43.2 36.9	## December 18	92,400 82,800 75,000 68,500 68,500 68,500 68,500 64,200 50,600 47,400 44,600 42,100 39,800 37,700 35,900 32,000 28,800	68,700 * 67,400 * 65,700 * 65,700 * 65,700 * 65,700 * 48,700 44,700 44,700 43,100 40,800 38,700 36,700 31,400 28,400	53,600 * 53,600 * 51,800 * 44,900 * 47,900 * 45,800 41,500 39,700 37,700 35,900 34,300 30,800 28,100	Load Radius (tt) 16.0 17.0 18.0 19.0 20.0 24.0 22.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 50.0 65.0 70.0 75.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 66.6 65.1 63.5 61.8 60.2 58.5 56.8 55.1 50.5 45.7 40.4 34.3	## Open Company	81,800 74,100 67,700 62,200 57,500 50,000 46,800 44,100 41,600 39,300 37,300 35,500 28,300 25,700 23,400	58,100 * 57,100 * 57,100 * 57,100 * 57,100 * 51,000 * 51,	2 Degree Machine List 46,400 * 44,700 * 43,300 * 41,800 * 40,400 * 37,700 36,200 34,800 33,600 30,000 27,200 24,800 22,800	Load Radius (ft) 17.0 18.0 19.0 22.0 24.0 24.0 38.0 38.0 34.0 38.0 44.0 44.0 46.0 48.0 50.0 65.0 70.0 75.0 80.0 85.0	Boom Angle (deg.) 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 63.8 62.4 60.9 55.7 51.7 47.4 42.9 37.9 32.2	## Deprive	73,000 * 66,900 61,600 56,900 43,600 44,300 43,600 41,100 38,900 35,100 31,200 28,100 25,400 23,100 21,200 19,600	50,600 * 49,600 * 44,000 * 44,000 39,500 37,400 35,600 22,700 20,800 19,300 19,300	39,900 * 38,500 * 37,600 * 35,400 * 34,200 29,200 24,200 22,200 19,100

Barge

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

	100)' Bool	m				110)' Boo	m				120)' Boo	m		
				d Load (III	ns)				60° Rated	l Load (It	ns)				60° Rated	d Load (It	ns)
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	Padius (ft)	Angle (deg.)	Machine List	Machine List	Machine List	Machine List	Padius (ft)	Angle (deg.)	Machine List	Machine List	Machine List	Machine List
19.0	81.6	125,600*				20.0	81.8	100,800 *				22.0	81.6	98,700 *			
20.0	81.0	123,600 *				22.0	80.8	100,800 *				24.0	80.6	94,200 *			
22.0 24.0	79.9 78.7	112,200 * 100,600				24.0 26.0	79.7 78.6	96,500 * 88,500 *				26.0 28.0	79.6 78.6	88,000 * 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			
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 *		
34.0	74.0	61,300	56,300			36.0	73.2	57,000	51,900			38.0	73.7	52,500	51,300 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 *		40.0	71.1	48,900	45,500	37,900 *		42.0	71.7	45,800	42,200	33,400 *	
40.0	69.1 67.9	48,900	45,800	42,400 *	34,800 * 33,500 *	42.0 44.0	70.0 68.9	46,200 43,400	42,900	37,500 *	28,900 *	44.0 46.0	70.7 69.7	43,000	39,800	33,000 * 32,800 *	
42.0 44.0	66.6	46,200 43,400	43,100 40,700	40,900 * 38,800	32,500 *	46.0	67.8	40,700	40,400 38,200	37,000 * 36,200 *	28,600 *	48.0	68.6	40,200 38,300	37,600 35,600	32,300 *	
46.0	65.4	40,700	38,500	36,800	31,700 *	48.0	66.6	38,700	36,300	34,600	28,200 *	50.0	67.6	36,300	34,000	31,700 *	24,800 *
48.0	64.1	38,700	36,500	35,000	30,900 *	50.0	65.4	36,600	34,500	32,900	27,900 *	55.0	65.0	32,000	30,200	28,900	24,300 *
50.0 55.0	62.8 59.5	36,600 32,300	34,700 30,800	33,400 29,700	30,000 * 27,800 *	55.0 60.0	62.5 59.5	32,300 28,700	30,500 27,400	29,400 26,400	27,200 * 25,500	60.0 65.0	62.3 59.6	28,300 25,400	27,100 24,400	26,000 23,500	23,600 * 22,700
60.0	56.1	28,700	27,500	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 19,600	20,700 19,200	20,300 18,800	20,000 18,500	80.0 85.0	46.4 42.6	19,600 18,100	19,000 17,700	18,600 17,300	18,200 17,000	85.0 90.0	47.7 44.3	17,700 16,500	17,200 15,900	16,700 15,600	16,300 15,300
85.0	36.0	18,100	17,700	17,500	17,200	90.0	38.6	16,800	16,400	16,100	15,700	95.0	40.7	15,300	14,800	14,500	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
\sqcup		_	_	_	_	105.0	23.2	13,770	13,500	13,300	_	115.0	22.2	11,840	11,500	_	_
Hee	ves	5 V D	4	2	2	Hee	eves	4 V Doo	4	2	2	Hee	eves	4	4	2	2
	130)' Booi					14()' Boo					IJυ)' Boo	M		
		_															
, , , ,				d Load (lk				3	60° Pated	` · ·					60° Pated	. `	
Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List	60° Pat ed 1 Degree Machine List	d Load (It 2 Degree Machine List	2 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)			Load (It 2 Degree Machine List	2 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine List		d Load (Ib 2 Degree Machine List	2 Degree Machine List
Radius (ft) 24.0	Angle (deg.) 81.3	O Degree Machine List 85,100 *	1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius (ft) 24.0	Boom Angle (deg.) 81.9	O Degree Machine List 72,900 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius (ft) 26.0	Angle (deg.) 81.7	O Degree Machine List 62,200 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine
### Radius (ft) 24.0 26.0	Angle (deg.) 81.3 80.4	0 Degree Machine List 85,100 * 83,900 *	1 Degree Machine	2 Degree Machine	2 Degree Machine	### Radius (ft) 24.0 26.0	Boom Angle (deg.) 81.9 81.1	0 Degree Machine List 72,900 * 71,800 *	60° Rateo 1 Degree 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 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine
Radius (ft) 24.0	Angle (deg.) 81.3	O Degree Machine List 85,100 *	1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius (ft) 24.0	Boom Angle (deg.) 81.9	O Degree Machine List 72,900 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius (ft) 26.0	Angle (deg.) 81.7	O Degree Machine List 62,200 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine
24.0 26.0 28.0 30.0 32.0	81.3 80.4 79.5 78.6 77.7	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900	1 Degree Machine	2 Degree Machine	2 Degree Machine	24.0 26.0 28.0 30.0 32.0	Boom Angle (deg.) 81.9 81.1 80.3 79.4 78.6	72,900 * 71,800 * 70,800 * 69,000 * 64,700 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	26.0 28.0 30.0 32.0 34.0	81.7 80.9 80.1 79.4 78.6	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine
24.0 26.0 28.0 30.0 32.0 34.0	81.3 80.4 79.5 78.6 77.7 76.9	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900	1 Degree Machine	2 Degree Machine	2 Degree Machine	24.0 26.0 28.0 30.0 32.0 34.0	Boom Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8	70 Degree Machine List 72,900 * 71,800 * 70,800 * 69,000 * 64,700 * 60,500	60° Rateo 1 Degree 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 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine
Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0	Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600	1 Degree Machine List	2 Degree Machine	2 Degree Machine	Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0	80.0m Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9	72,900 * 71,800 * 69,000 * 64,700 * 60,500 56,200	60° Rateo 1 Degree 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 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine
24.0 26.0 28.0 30.0 32.0 34.0	81.3 80.4 79.5 78.6 77.7 76.9	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900	1 Degree Machine	2 Degree Machine	2 Degree Machine	24.0 26.0 28.0 30.0 32.0 34.0	Boom Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8	70 Degree Machine List 72,900 * 71,800 * 70,800 * 69,000 * 64,700 * 60,500	60° Patecc 1 Degree Machine List 41,500 *	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 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine
Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600	1 Degree Machine List 46,400 * 44,500 41,700	2 Degree Machine List	2 Degree Machine	Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	Boom Angle (deg.) 81.9 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 * 60,500 52,000 48,200 45,400	60° Patece 1 Degree Machine List 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 42.0 44.0	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 * 51,000 * 48,000 45,200 42,400	60° Patece 1 Degree Machine List 37,100 * 36,600 *	2 Degree Machine	2 Degree 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	Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800	1 Degree Machine List 46,400 * 44,500 41,700 39,400	2 Degree Machine List	2 Degree Machine	Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0	Boom Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4 73.5	72,900 * 71,800 * 70,800 * 69,000 * 60,500 52,000 48,200 45,400 42,600	60° Patece 1 Degree Machine List 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 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 Patece Machine List 37,100 * 36,600 * 35,800 *	2 Degree Machine	2 Degree Machine
Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600	1 Degree Machine List 46,400 * 44,500 41,700	2 Degree Machine List	2 Degree Machine	Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	Boom Angle (deg.) 81.9 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 * 60,500 52,000 48,200 45,400	60° Patece 1 Degree Machine List 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 42.0 44.0	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 * 51,000 * 48,000 45,200 42,400	60° Patece 1 Degree Machine List 37,100 * 36,600 *	2 Degree Machine	2 Degree Machine
Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 46.0 48.0 50.0	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	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 56,600 48,400 42,800 40,000 38,000 36,000	1 Degree Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300 33,600	2 Degree Machine List 29,700 * 29,400 * 29,100 * 28,700 *	2 Degree Machine List	Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 46.0 48.0 50.0	Boom (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	72,900 * 71,800 * 70,800 * 69,000 * 60,500 52,000 45,400 42,600 39,800 37,800 35,800	41,500 * 40,600 * 38,900 33,200	2 Degree Machine List	2 Degree Machine List	Radius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 46.0 50.0 55.0	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 70.3	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 48,000 45,200 42,400 39,600 37,500 35,500 31,200	37,100 * 36,600 * 34,500 * 32,800 * 29,000	2 Degree Machine List 23,300 * 22,700 *	2 Degree Machine List
Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0	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	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 56,600 52,300 48,400 42,800 40,000 38,000 31,600 31,600	1 Degree Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300 33,600 29,700	29,700 * 29,400 * 29,100 * 29,100 * 28,700 * 27,900 *	2 Degree Machine List	Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 46.0 50.0 55.0	81.9 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	72,900 * 71,800 * 70,800 * 69,000 * 64,700 * 60,500 52,000 48,200 42,600 39,800 37,800 35,800 31,400	41,500 * 40,600 * 38,900 34,900 33,200 29,400	2Degree Machine List	2 Degree Machine List	Radius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0 55.0 60.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7 73.9 73.1 72.3 70.3 68.2	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 48,000 45,200 42,400 39,600 37,500 31,200 27,600	37,100 * 36,600 * 34,500 32,800 29,000 25,800	2 Degree Machine List 23,300 * 22,700 * 22,000 *	2 Degree Machine List
Redius (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 50.0 55.0 60.0	Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 42,800 44,000 38,000 36,000 31,600 28,100	1 Degree Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300 33,600 29,700 26,600	29,700 * 29,400 * 29,100 * 29,100 * 28,700 * 27,900 * 25,500	2 Degree Machine List 21,700 * 21,200 *	Radius (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	Room 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 68.8 66.6	72,900 * 71,800 * 70,800 * 69,000 * 64,700 * 60,500 52,000 48,200 45,400 42,600 39,800 37,800 35,800 31,400 27,800	41,500 * 40,600 * 38,900 33,200 29,400 26,200	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 40.0 44.0 46.0 48.0 50.0 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 * 34,500 32,800 29,000 25,800 23,300	23,300 * 22,700 * 22,000 * 21,600 *	2 Degree Machine List 16,800 * 16,500 *
Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0	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	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 56,600 52,300 48,400 42,800 40,000 38,000 31,600 31,600	1 Degree Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300 33,600 29,700	29,700 * 29,400 * 29,100 * 29,100 * 28,700 * 27,900 *	2 Degree Machine List	Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 46.0 50.0 55.0	81.9 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	72,900 * 71,800 * 70,800 * 69,000 * 64,700 * 60,500 52,000 48,200 42,600 39,800 37,800 35,800 31,400	41,500 * 40,600 * 38,900 34,900 33,200 29,400	2Degree Machine List	2 Degree Machine List	Radius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0 55.0 60.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7 73.9 73.1 72.3 70.3 68.2	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 48,000 45,200 42,400 39,600 37,500 31,200 27,600	37,100 * 36,600 * 34,500 32,800 29,000 25,800	2 Degree Machine List 23,300 * 22,700 * 22,000 *	2 Degree Machine List
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 65.0 70.0 75.0	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	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 40,000 38,000 31,600 28,100 25,200 22,900 20,900	1 Degree Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300 29,700 26,600 24,100 21,900 20,000	29,700 * 29,400 * 29,100 * 29,100 * 27,900 * 27,900 * 21,100 19,300	21,700 * 21,200 * 20,700 * 20,000 * 18,700	Padius (ft) 24.0 26.0 28.0 30.0 34.0 34.0 36.0 40.0 44.0 45.0 55.0 60.0 65.0 70.0 75.0	Boom Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4 73.5 71.0 68.8 66.6 64.3 62.0 59.7	72,900 * 71,800 * 70,800 * 69,000 * 64,700 * 60,500 52,000 45,400 42,600 39,800 31,400 27,800 25,000 22,600 20,500	41,500 * 40,600 * 38,900 34,900 33,200 29,400 26,200 23,500 21,300 19,500	25,100 * 24,500 * 22,400 * 22,400 * 20,500 18,700	2 Degree Machine List 19,200 * 18,700 * 18,300 * 17,900 * 17,400 *	Padius (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	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 59.6	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 45,200 42,400 37,500 31,200 27,600 24,800 22,400 20,300 18,500	37,100 * 36,600 * 35,800 * 34,500 29,000 25,800 23,300 21,100 19,200 17,600	23,300 * 22,700 * 22,000 * 21,600 * 20,100 * 18,300 17,000	2 Degree Machine List 16,800 * 16,500 * 16,100 * 15,700 * 15,400 *
Radius (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 70.0 75.0 80.0	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	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 52,300 48,400 45,600 40,000 38,000 31,600 28,100 25,200 22,900 20,900 19,000	1 Degree Machine List 46,400 * 44,500 41,700 39,400 37,200 26,600 24,100 21,900 20,000 18,300	29,700 * 29,400 * 29,100 * 29,100 * 27,900 * 27,900 * 21,100 19,300 17,700	21,700 * 21,200 * 20,700 * 20,000 * 18,700 17,200	Padius (ft) 24.0 26.0 28.0 30.0 34.0 34.0 36.0 44.0 46.0 48.0 50.0 65.0 70.0 75.0 80.0	Boom Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4 73.5 71.0 68.8 66.6 64.3 62.0 59.7 57.3	30 Degree Machine List 72,900 * 71,800 * 70,800 * 69,000 * 60,500 56,200 52,000 48,200 42,600 39,800 31,400 27,800 25,000 22,600 20,500 18,700	41,500 * 41,500 * 40,600 * 38,900 36,800 34,900 33,200 29,400 26,200 23,500 21,300 19,500 17,800	25,100 * 24,500 * 22,400 * 22,400 * 20,500 18,700 17,200	2 Degree Machine List 19,200 * 18,700 * 18,300 * 17,900 * 17,400 * 16,600	Padius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 46.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	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 59.6 57.4	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 45,200 42,400 37,500 31,200 27,600 24,800 22,400 20,300 18,500 17,000	37,100 * 36,600 * 35,800 * 34,500 29,000 25,800 21,100 19,200 17,600 16,200	23,300 * 22,700 * 22,000 * 21,600 * 20,100 * 18,300 17,000 15,500	2 Degree Machine List 16,800 * 16,500 * 16,100 * 15,700 * 15,400 * 14,900 *
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 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 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	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 52,300 48,400 45,600 40,000 38,000 31,600 28,100 25,200 22,900 20,900 19,000 17,500	1 Degree Machine List 46,400 * 44,500 41,700 39,400 35,300 29,700 26,600 24,100 21,900 20,000 18,300 16,900	29,700 * 29,400 * 29,100 * 29,100 * 27,900 * 27,900 * 21,100 19,300 17,700 16,400	21,700 * 21,200 * 20,700 * 20,000 * 18,700 16,000	Padius (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 65.0 70.0 75.0 80.0 85.0	Room Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4 73.5 71.0 68.8 66.6 64.3 62.0 59.7 57.3 54.8	30 Degree 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 27,800 22,600 20,500 18,700 17,200	41,500 * 40,600 * 38,900 29,400 22,500 21,300 19,500 17,800 16,400	25,100 * 24,500 * 22,400 * 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	Padius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	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 59.6 57.4 55.2	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 45,200 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 25,800 21,100 19,200 17,600 16,200 14,900	23,300 * 22,700 * 22,000 * 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
Radius (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 70.0 75.0 80.0	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	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 52,300 48,400 45,600 40,000 38,000 31,600 28,100 25,200 22,900 20,900 19,000	1 Degree Machine List 46,400 * 44,500 41,700 39,400 37,200 26,600 24,100 21,900 20,000 18,300	29,700 * 29,400 * 29,100 * 29,100 * 27,900 * 27,900 * 21,100 19,300 17,700	21,700 * 21,200 * 20,700 * 20,000 * 18,700 17,200	Padius (ft) 24.0 26.0 28.0 30.0 34.0 34.0 36.0 44.0 46.0 48.0 50.0 65.0 70.0 75.0 80.0	Boom Angle (deg.) 81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4 73.5 71.0 68.8 66.6 64.3 62.0 59.7 57.3	30 Degree Machine List 72,900 * 71,800 * 70,800 * 69,000 * 60,500 56,200 52,000 48,200 42,600 39,800 31,400 27,800 25,000 22,600 20,500 18,700	41,500 * 41,500 * 40,600 * 38,900 36,800 34,900 33,200 29,400 26,200 23,500 21,300 19,500 17,800	25,100 * 24,500 * 22,400 * 22,400 * 20,500 18,700 17,200	2 Degree Machine List 19,200 * 18,700 * 18,300 * 17,900 * 17,400 * 16,600	Padius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 46.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	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 59.6 57.4	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 45,200 42,400 37,500 31,200 27,600 24,800 22,400 20,300 18,500 17,000	37,100 * 36,600 * 35,800 * 34,500 29,000 25,800 21,100 19,200 17,600 16,200	23,300 * 22,700 * 22,000 * 21,600 * 20,100 * 18,300 17,000 15,500	2 Degree Machine List 16,800 * 16,500 * 16,100 * 15,700 * 15,400 * 14,900 *
Radius (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 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0	Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 54.3 51.6 48.7 45.6 42.4	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 65,900 48,400 45,600 42,800 40,000 38,000 31,600 28,100 25,200 22,900 20,900 17,500 16,100 15,000 14,000	1 Degree Machine List 46,400 * 44,500 41,700 39,400 37,200 25,600 22,100 20,000 18,300 16,900 15,700 14,600 13,600	29,700 * 29,400 * 29,100 * 27,900 * 25,500 23,100 19,300 17,700 16,400 15,300 14,200 13,300	21,700 * 21,200 * 20,700 * 18,700 14,900 13,900 13,000	Padity (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 55.0 60.0 65.0 775.0 80.0 85.0 90.0 95.0 100.0	Room 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 66.8 66.6 66.3 62.0 59.7 57.3 54.8 52.2 49.5	72,900 * 71,800 * 70,800 * 69,000 * 60,500 56,200 52,000 48,200 45,400 42,600 39,800 37,800 20,500 18,700 17,200 15,900 14,600 13,600 13,600	41,500 * 41,500 * 40,600 * 38,900 34,900 29,400 26,200 21,300 19,500 17,800 16,400 15,200 14,100 13,100	25,100 * 24,500 * 22,400 * 20,500 17,200 15,800 14,700 13,700 12,800	2 Degree Machine List 19,200 * 18,700 * 18,300 * 17,400 * 16,600 15,400 14,300 13,300 12,500	Padius (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 70.0 85.0 90.0 95.0 100.0 110.0	Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7 73.9 73.1 72.3 70.3 68.2 66.2 64.0 61.9 55.4 55.2 52.8 50.3 45.1	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 51,000 * 48,000 42,400 39,600 37,500 31,200 27,600 24,400 20,300 18,500 11,700 14,400 13,400 11,700	37,100 * 36,600 * 35,800 * 32,800 29,000 17,600 16,200 14,900 13,800 12,800 11,200	23,300 * 22,700 * 22,000 * 20,100 * 18,300 17,000 13,300 12,500 10,900	16,800 * 16,500 * 16,100 * 15,700 * 14,000 * 14,000 12,100 10,700
Redius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 60.0 65.0 70.0 80.0 90.0 95.0 100.0 110.0	Angle (deg.) 81.3 80.4 79.5 77.7 76.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 54.3 51.6 48.7 45.6 42.4 35.4	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 65,900 65,600 52,300 48,400 42,800 40,000 38,000 31,600 28,100 25,200 20,900 119,000 117,500 16,100 15,000 14,000 12,100	1 Degree Machine List 46,400 * 44,500 41,700 39,400 37,200 25,600 22,100 20,000 18,300 16,900 15,700 14,600 13,600 11,900	29,700 * 29,400 * 29,100 * 29,100 * 25,500 * 23,100 * 21,100 * 19,300 * 17,700 * 16,400 * 15,300 * 14,200 * 13,300 * 11,700	21,700 * 21,200 * 20,700 * 13,900 13,000 11,600	Padity (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	Room 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 66.8 66.6 66.3 62.0 59.7 57.3 54.8 52.2 49.5 46.8 40.8	72,900 * 71,800 * 70,800 * 69,000 * 60,500 56,200 52,000 48,200 45,400 42,600 39,800 37,800 27,800 20,500 18,700 17,200 15,900 14,600 13,600 11,900	41,500 * 41,500 * 40,600 * 38,900 34,900 29,400 26,200 23,500 21,300 19,500 17,800 16,400 15,200 14,100 13,100 11,400	25,100 * 24,500 * 22,400 * 20,500 18,700 15,800 14,700 13,700 12,800 11,200	2 Degree Machine List 19,200 * 18,700 * 18,300 * 17,900 * 16,600 15,400 14,300 13,300 12,500 11,000	Padius (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 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 66.2 64.0 61.9 55.4 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 * 48,000 45,200 42,400 39,600 37,500 31,200 27,600 24,800 22,400 20,300 18,500 11,700 11,700 11,700 10,300	37,100 * 36,600 * 35,800 * 32,800 29,000 25,800 21,100 19,200 17,600 16,200 14,900 13,800 11,200 9,900	23,300 * 22,700 * 21,600 * 20,100 * 18,300 17,000 14,400 13,300 12,500 10,900 9,600	2 Degree Machine List 16,800 * 16,100 * 15,700 * 15,400 * 14,000 12,100 10,700 9,400
Redius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 120.0	Angle (deg.) 81.3 80.4 79.5 76.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 54.3 51.6 48.7 45.6 42.4 35.4 26.6	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 66,900 52,300 48,400 42,800 40,000 38,000 31,600 22,900 20,900 19,000 17,500 15,000 14,000 12,100 10,800	1.Degree Machine List 46,400 * 44,500 41,700 39,400 37,200 35,300 29,700 26,600 24,100 21,900 18,300 16,900 15,700 14,600 13,600 11,900 10,600	29,700 * 29,400 * 29,100 * 27,900 * 25,500 23,100 19,300 17,700 16,400 15,300 14,200 13,300	21,700 * 21,200 * 20,700 * 18,700 14,900 13,900 13,000	Padity (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 55.0 60.0 65.0 70.0 85.0 99.0 99.0 110.0 1120.0	Room 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 66.3 62.0 59.7 57.3 54.8 52.2 49.5 46.8 40.8 34.0	72,900 * 71,800 * 70,800 * 69,000 * 60,500 56,200 52,000 48,200 45,400 42,600 39,800 37,800 27,800 20,500 18,700 15,900 11,900 11,900 10,300	41,500 * 41,500 * 40,600 * 38,900 36,800 34,900 29,400 26,200 23,500 21,300 19,500 17,800 16,400 15,200 14,100 13,100 11,400 10,100	25,100 * 24,500 * 22,400 * 20,500 11,200 11,200 9,900	2 Degree Machine List 19,200 * 18,700 * 18,300 * 17,400 * 16,600 14,300 13,300 12,500 11,000 9,800	Padius (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 70.0 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 66.2 64.0 61.9 65.7 455.2 52.8 50.3 45.1 39.3 32.8	0 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 44,000 * 45,200 42,400 39,600 37,500 31,200 27,600 24,400 20,300 18,500 17,000 15,700 14,400 13,400 11,700 10,300 8,900	37,100 * 36,600 * 34,500 * 32,800 * 29,000 * 21,100 * 19,200 * 17,600 * 16,200 * 14,900 * 13,800 * 12,800 * 11,200 * 9,900 * 8,800 * 8,800	23,300 * 22,700 * 21,600 * 20,100 * 18,300 17,000 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
Redius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 60.0 65.0 70.0 80.0 90.0 95.0 100.0 110.0	Angle (deg.) 81.3 80.4 79.5 77.7 76.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 54.3 51.6 48.7 45.6 42.4 35.4	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 65,900 65,600 52,300 48,400 42,800 40,000 38,000 31,600 28,100 25,200 20,900 119,000 117,500 16,100 15,000 14,000 12,100	1 Degree Machine List 46,400 * 44,500 41,700 39,400 37,200 25,600 22,100 20,000 18,300 16,900 15,700 14,600 13,600 11,900	29,700 * 29,400 * 29,100 * 29,100 * 25,500 * 23,100 * 21,100 * 19,300 * 17,700 * 16,400 * 15,300 * 14,200 * 13,300 * 11,700	21,700 * 21,200 * 20,700 * 13,900 13,000 11,600	Padity (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	Room 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 66.8 66.6 66.3 62.0 59.7 57.3 54.8 52.2 49.5 46.8 40.8	72,900 * 71,800 * 70,800 * 69,000 * 60,500 56,200 52,000 48,200 45,400 42,600 39,800 37,800 27,800 20,500 18,700 17,200 15,900 14,600 13,600 11,900	41,500 * 41,500 * 40,600 * 38,900 34,900 29,400 26,200 23,500 21,300 19,500 17,800 16,400 15,200 14,100 13,100 11,400	25,100 * 24,500 * 22,400 * 20,500 18,700 15,800 14,700 13,700 12,800 11,200	2 Degree Machine List 19,200 * 18,700 * 18,300 * 17,900 * 16,600 15,400 14,300 13,300 12,500 11,000	Padius (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 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 66.2 64.0 61.9 55.4 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 * 48,000 45,200 42,400 39,600 37,500 31,200 27,600 24,800 22,400 20,300 18,500 11,700 11,700 11,700 10,300	37,100 * 36,600 * 35,800 * 32,800 29,000 25,800 21,100 19,200 17,600 16,200 14,900 13,800 11,200 9,900	23,300 * 22,700 * 21,600 * 20,100 * 18,300 17,000 14,400 13,300 12,500 10,900 9,600	2 Degree Machine List 16,800 * 16,700 * 16,100 * 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		
				d Load (Ik	os)			3	60° Rated	l Load (lk) (S)			3	60° Pated	d Load (lk	os)
Load	Boom	0 Degree	1 Degree	2 Degree	2 Degree	Load	Boom	0 Degree	1 Degree Machine	2 Degree Machine	2 Degree	Load	Boom	0 Degree	1 Degree	2 Degree	2 Degree Machine
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
28.0	81.5	50,200 *				30.0	81.3	44,500 *				30.0	81.8	39,300 *			
30.0	80.8	50,100 *				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 36.0	79.4 78.6	49,200 * 48,500 *				36.0 38.0	79.3 78.6	42,500 * 41,900 *				36.0 38.0	79.9 79.2	37,600 * 37,000 *			
38.0	77.9	47,800 *				40.0	77.9	41,200 *				40.0	78.6	36,400 *			
40.0	77.2	46,600 *				42.0	77.2	40,600 *				42.0	77.9	35,800 *			
42.0	76.4	44,300 *				44.0	76.5	40,000 *				44.0	77.2	35,100 *			
44.0	75.6	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*	17,300 *		60.0	72.0	27,400	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	13,400 *	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	48.6	11,700	11,100	10,900	10,600	120.0	47.0	9,800	9,600	9,300	9,000	120.0	49.9	9,600	9,100	8,800	7,700 *
120.0 130.0	43.6 38.1	10,100 8,900	9,800 8,600	9,600 8,500	9,300 8,300	130.0 140.0	42.2 36.8	8,700 7,700	8,400 7,300	8,200 7,100	8,000 7,000	130.0 140.0	45.6 40.9	8,500 7,400	8,000 7,000	7,700 6,900	6,900 * 6,000 *
140.0	31.6	7,900	7,800	7,600	7,500	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 *
												165.0	26.5	5,100	5,100	4,400 *	3,600*
					_												
Ree	ves	2	2	2	2	Ree	eves	2	2	2	2	Ree	eves	2	2	2	2
Rec)' Booi	m			Rec)' Boo	m			Rec	eves	2	2	2	2
	190)' Booi	m 60° Pated	d Load (Ill	os)		200)' Boo	m 60° Pateo	l Load (Ill	os)	Rec	eves	2	2	2	2
Load Padius	190 Boom Angle	O Degree Machine	60° Pateo	d Load (II.) 2 Degree Machine	2 Degree Machine	Load Radius	200 Boom Angle	O Degree Machine	60° Pateo	Load (II) 2 Degree Machine	2 Degree Machine	Rec	eves	2	2	2	2
Load Radius (ft)	Boom Angle (deg.)	O Degree Machine List	m 60° Pateo	d Load (Ill	os) 2 Degree	Load Radius (ft)	Boom Angle (deg.)	O Degree Machine List	m 60° Pateo	l Load (It	os) 2 Degree	Rec	eves	2	2	2	2
Load Padius	190 Boom Angle	O Degree Machine	60° Pateo	d Load (II.) 2 Degree Machine	2 Degree Machine	Load Radius	200 Boom Angle	O Degree Machine	60° Pateo	Load (II) 2 Degree Machine	2 Degree Machine	Ree	eves	2	2	2	2
Load Padius (ft)	Boom Angle (deg.) 81.6	O Degree Machine List 34,400 *	60° Pateo	d Load (II.) 2 Degree Machine	2 Degree Machine	Load Radius (ft) 34.0 36.0 38.0	Boom Angle (deg.) 81.5	O Degree Machine List 30,300 *	60° Pateo	Load (II) 2 Degree Machine	2 Degree Machine	Ree	eves	2	2	2	2
Load Padius (ft) 32.0 34.0 36.0 38.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8	30 Degree Machine List 34,400 * 33,800 * 33,300 * 32,700 *	60° Pateo	d Load (II.) 2 Degree Machine	2 Degree Machine	Load Radius (ft) 34.0 36.0 38.0 40.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7	30 Degree Machine List 30,300 * 29,700 * 29,200 * 28,700 *	60° Pateo	Load (II) 2 Degree Machine	2 Degree Machine	Ree	eves	2	2	2	2
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2	O Degree Machine List 34,400 * 33,800 * 33,300 * 32,700 * 32,200 *	60° Pateo	d Load (II.) 2 Degree Machine	2 Degree Machine	Load Radius (ft) 34.0 36.0 38.0 40.0 42.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1	0 Degree Machine List 30,300 * 29,700 * 29,200 * 28,700 * 28,200 *	60° Pateo	Load (II) 2 Degree Machine	2 Degree Machine	Rec	eves	2	2	2	2
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	30 Degree Machine List 34,400 * 33,800 * 32,700 * 32,200 * 31,700 *	60° Pateo	d Load (II.) 2 Degree Machine	2 Degree Machine	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	30,300 * 29,200 * 28,700 * 28,200 * 27,700 *	60° Pateo	Load (II) 2 Degree Machine	2 Degree Machine	Rec	eves	2	2	2	2
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2	O Degree Machine List 34,400 * 33,800 * 33,300 * 32,700 * 32,200 *	60° Pateo	d Load (II.) 2 Degree Machine	2 Degree Machine	Load Radius (ft) 34.0 36.0 38.0 40.0 42.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1	0 Degree Machine List 30,300 * 29,700 * 29,200 * 28,700 * 28,200 *	60° Pateo	Load (II) 2 Degree Machine	2 Degree Machine	Rec	eves	2	2	2	2
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	30 Degree Machine List 34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 31,100 *	60° Pateo	d Load (II.) 2 Degree Machine	2 Degree Machine	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	3 Degree Machine List 30,300 * 29,700 * 29,200 * 28,700 * 28,700 * 27,700 * 27,700 * 27,300 *	60° Pateo	Load (II) 2 Degree Machine	2 Degree Machine	Rec	eves	2	2	2	2
Load Padius (ft) 32.0 34.0 36.0 38.0 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 76.1	0 Degree Machine List 34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 30,600 * 30,100 * 29,600 *	60° Patec 1 Degree Machine List	d Load (II.) 2 Degree Machine	2 Degree Machine	Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8 75.3	30,300 * 29,700 * 28,700 * 27,700 * 27,300 * 26,800 * 26,300 * 24,900 *	M 60° Patec 1 Degree Machine List	Load (II) 2 Degree Machine	2 Degree Machine	Rec	eves	2	2	2	2
Load Padius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0 55.0	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	0 Degree Machine List 34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 30,600 * 30,100 * 29,600 * 28,100 *	60° Patecc 1 Degree Machine List 21,700 *	d Load (II.) 2 Degree Machine	2 Degree Machine	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	30,300 * 29,700 * 28,700 * 27,700 * 27,300 * 26,800 * 26,300 * 24,900 * 23,200 *	m 60° Patecc 1 Degree Machine List	2 Degree Machine List	2 Degree Machine	Rec	eves	2	2	2	2
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 77.4 76.7 76.1 74.5 73.0	0 Degree Machine List 34,400 * 33,800 * 32,700 * 32,200 * 31,100 * 30,600 * 30,100 * 29,600 * 28,100 * 26,200 *	60° Patect 1 Degree Machine List 21,700 * 20,600 *	2 Degree Machine List	2 Degree Machine	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	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	30,300 * 29,700 * 29,200 * 28,700 * 27,700 * 27,300 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 *	1 Degree Machine List 18,200 * 17,100 *	2 Degree Machine List	2 Degree Machine	Rec	eves	2	2	2	2
Load Padius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0 55.0	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	0 Degree Machine List 34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 30,600 * 30,100 * 29,600 * 28,100 *	60° Patecc 1 Degree Machine List 21,700 *	d Load (II.) 2 Degree Machine	2 Degree Machine	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	30,300 * 29,700 * 28,700 * 27,700 * 27,300 * 26,800 * 26,300 * 24,900 * 23,200 *	m 60° Patecc 1 Degree Machine List	2 Degree Machine List	2 Degree Machine	Rec	eves	2	2	2	2
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 65.0	Boom Angle (deg.) 81.6 81.0 80.4 79.2 78.6 78.0 77.4 76.1 74.5 73.0 71.4	0 Degree Machine List 34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 30,600 * 30,100 * 29,600 * 28,100 * 26,200 * 24,000 *	60° Patect 1 Degree Machine List 21,700 * 20,600 * 19,500 *	2 Degree Machine List	2 Degree Machine	Load Padius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 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	3 O Degree Machine List 30,300 * 29,700 * 29,200 * 28,700 * 27,300 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 *	1 Degree Machine List 18,200 * 17,100 * 16,100 * 16,100 *	2 Degree Machine List 11,700 * 11,300 *	2 Degree Machine	Received	eves	2	2	2	2
Load Radius (ft) 32.0 34.0 36.0 42.0 44.0 46.0 48.0 50.0 65.0 70.0 75.0 80.0	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 76.1 74.5 73.0 71.4 69.8 68.2 66.5	0 Degree Machine List 34,400 * 33,800 * 32,700 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 * 24,000 * 21,800 19,900 18,000	21,700 * 20,600 * 19,500 * 11,300 * 16,200 *	13,300 * 13,100 * 12,700 * 12,400 *	2.5) 2.Degree Machine List 9,200 * 9,000 *	Load Radius (ft) 34.0 36.0 38.0 42.0 44.0 44.0 46.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 75.3 73.8 72.4 70.9 69.3 67.8 66.2	30,300 * 29,700 * 28,700 * 28,700 * 27,300 * 26,800 * 26,300 * 24,900 * 21,500 * 21,500 * 11,500 * 15,900 *	18,200 * 17,100 * 16,100 * 15,100 * 14,100 * 13,300 *	11,700 * 11,300 * 11,000 * 11,000 * 10,600 * 10,100 *	2 Degree Machine List 7,700 * 7,500 *	Received	eves	2	2	2	2
Load Radius (ft) 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	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9	34,400 * 33,800 * 32,700 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 * 24,000 * 21,800 18,000 16,400	21,700 * 20,600 * 11,300 * 16,200 * 15,300 *	13,300 * 12,700 * 12,400 * 11,900 *	9,200 * 9,000 * 8,800 *	Load Radius (ft) 34.0 38.0 40.0 44.0 44.0 50.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0	200 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 64.6	30 Degree Machine List 29,700 * 29,200 * 28,700 * 27,300 * 26,800 * 24,900 * 23,200 * 21,500 * 21,500 * 15,900 * 14,700	18,200 * 17,100 * 16,100 * 14,100 * 13,300 * 12,400 * 12,400 * 12,400 * 15,100 * 14,	11,700 * 11,300 * 11,000 * 10,600 * 10,100 * 9,500 *	7,700 * 7,500 * 7,200 * 7,200 *	Rec	eves	2	2	2	2
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 50.0 55.0 60.0 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 68.2 66.5 64.9 63.2	34,400 * 33,800 * 33,300 * 32,700 * 31,700 * 31,100 * 30,100 * 29,600 * 24,000 * 21,800 18,000 16,400 15,000	21,700 * 20,600 * 10,900 * 11,300 * 16,200 * 11,300 * 14,100	13,300 * 12,700 * 12,400 * 11,300 * 11,300 * 11,900 * 11,300 *	9,200 * 9,000 * 8,800 * 8,600 *	Load Radius (1) 34.0 38.0 40.0 42.0 44.0 50.0 55.0 60.0 65.0 70.0 80.0 85.0 90.0 95.0	200 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 72.9 69.3 67.8 66.2 64.6 63.0	30 Degree Machine List 29,700 * 29,200 * 28,700 * 27,300 * 26,800 * 24,900 * 21,500 * 21,500 * 15,900 * 14,700 13,500	18,200 * 17,100 * 16,100 * 11,700 * 11,700 * 11,700 * 11,700 * 11,700 * 11,700 * 11,700 *	11,700 * 11,300 * 11,000 * 10,600 * 10,100 * 9,500 * 9,000 *	7,700 * 7,200 * 7,000	Rec	eves	2	2		2
Load Radius (ft) 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	Boom Angle (deg.) 81.6 81.0 80.4 79.8 79.2 78.6 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9	34,400 * 33,800 * 32,700 * 31,700 * 31,100 * 30,600 * 30,100 * 29,600 * 24,000 * 21,800 18,000 16,400	21,700 * 20,600 * 11,300 * 16,200 * 15,300 *	13,300 * 12,700 * 12,400 * 11,900 *	9,200 * 9,000 * 8,800 *	Load Radius (ft) 34.0 38.0 40.0 44.0 44.0 50.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0	200 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 64.6	30 Degree Machine List 29,700 * 29,200 * 28,700 * 27,300 * 26,800 * 24,900 * 23,200 * 21,500 * 21,500 * 15,900 * 14,700	18,200 * 17,100 * 16,100 * 14,100 * 13,300 * 12,400 * 12,400 * 12,400 * 15,100 * 14,	11,700 * 11,300 * 11,000 * 10,600 * 10,100 * 9,500 *	7,700 * 7,500 * 7,200 * 7,200 *	Rec	eves	2	2		2
Load Radius (tt) 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 90.0 95.0	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 63.2 66.5 64.9 63.2 61.5	0 Degree Machine List 34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 30,600 * 29,600 * 24,000 * 24,000 * 21,800 15,000 13,900	21,700 * 20,600 * 19,500 * 11,300 * 16,200 * 14,100 13,000	13,300 * 13,100 * 12,700 * 11,300 * 11,300 * 11,900 * 11,300 * 10,600 *	9,200 * 9,000 * 8,800 * 8,600 * 8,400 *	Load Radius (t) 34.0 38.0 40.0 42.0 44.0 50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0	Boom Angle (deg.) 81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.4 76.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4	30 Degree Machine List 30,300 * 29,700 * 29,200 * 28,700 * 26,800 * 27,300 * 26,300 * 21,500 * 21,500 * 11,500 * 11,500 * 14,700 13,500 12,400	18,200 * 17,100 * 16,100 * 12,400 * 11,700 * 11,700 * 11,700 * 11,700 * 11,700 * 11,700 * 11,000 * 11,	11,700 * 11,300 * 10,600 * 10,100 * 9,500 * 9,000 * 8,400 *	7,700 * 7,200 * 7,000 * 6,800 *	Rec	eves	2	2		2
Load Radius (t) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 50.0 55.0 60.0 65.0 70.0 80.0 95.0 100.0 110.0 120.0	Boom Angle (deg.) 81.6 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	0 Degree Machine List 34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 30,600 * 29,600 * 24,000 * 21,800 19,900 18,000 11,900 11,000 9,400	21,700 * 20,600 * 18,400 * 15,300 * 14,100 13,000 12,000 10,400 9,100	13,300 * 13,100 * 12,700 * 12,400 * 11,300 * 11,900 * 11,900 * 10,600 * 10,000 * 8,900 * 7,900 *	9,200 * 9,000 * 9,000 * 8,800 * 8,600 * 8,400 * 8,200 * 7,400 * 6,500 *	Load Radius (t) 34.0 38.0 40.0 42.0 44.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 110.0 120.0 130.0	Boom Angle (deg.) 81.5 80.9 80.9 80.9 79.1 78.6 78.0 77.4 76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1 54.6 51.1	3 O Degree Machine List 29,700 * 29,200 * 28,700 * 26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 15,900 * 14,700 12,400 10,600 9,200 7,800	18,200 * 17,100 * 11,700 * 11,700 * 11,700 * 11,700 * 11,700 * 11,700 * 11,700 * 11,700 * 11,700 * 11,700 * 7,700 * 8,200 * 7,100 *	11,700 * 11,300 * 10,600 * 10,100 * 9,500 * 9,000 * 8,400 * 7,400 *	7,700 * 7,700 * 7,500 * 7,000 * 6,800 * 6,000 * 5,200 * 4,500 *	Received	eves	2	2	2	2
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 95.0 100.0 110.0 120.0 130.0	## Boom Angle (deg.) ## 81.0 ## 81.0 ## 80.4 ## 79.2 ## 76.7 ## 76.7 ## 76.7 ## 76.7 ## 76.7 ## 76.7 ## 76.7 ## 76.1 ## 76.7 ## 76.7 ## 76.1 ## 76.7 ## 76.7 ## 76.1 ## 76.7	0 Degree Machine List 34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 30,600 * 29,600 * 24,000 * 21,800 15,000 115,000 113,900 112,900 110,000 9,400 8,200	21,700 * 20,600 * 18,400 * 15,300 * 14,100 13,000 10,400 9,100 7,800	13,300 * 13,100 * 12,700 * 12,400 * 11,900 * 10,000 * 8,900 * 7,900 * 6,800 *	9,200 * 9,000 * 8,800 * 8,400 * 8,200 * 7,400 * 6,500 * 5,700 *	Load Radius (t) 34.0 38.0 40.0 42.0 44.0 45.0 65.0 75.0 65.0 75.0 80.0 85.0 99.0 99.0 100.0 110.0 120.0 130.0 140.0	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 64.6 65.1 54.6 51.1 47.2	3 O Degree Machine List 29,700 * 28,700 * 27,700 * 27,300 * 26,800 * 24,900 * 23,200 * 21,500 * 15,900 * 14,700 10,600 9,200 7,800 6,500	18,200 * 17,100 * 11,700 * 11,700 * 11,700 * 11,000 * 9,500 * 8,200 * 7,100 * 5,900 * 5,900 *	11,700 * 11,000 * 10,100 * 9,500 * 8,400 * 7,400 * 6,500 * 4,600 * 4,600 *	7,700 * 7,700 * 7,500 * 7,000 * 6,800 * 6,000 * 5,200 * 4,500 * 3,700 *	Received	eves	2	2		2
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 90.0 90.0 100.0 110.0 120.0 130.0 140.0	Boom Angle (deg.) 81.6 80.4 79.8 81.0 80.4 79.2 78.6 78.0 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5 59.7 56.2 52.5 48.5	0 Degree Machine List 33,800 * 33,800 * 32,700 * 32,200 * 31,700 * 30,600 * 29,600 * 24,000 * 24,000 * 21,800 15,000 16,400 15,000 11,900 11,000 9,400 8,200 7,200	21,700 * 20,600 * 115,300 * 14,100 12,000 10,400 9,100 7,800 6,800	13,300 * 13,100 * 12,700 * 12,400 * 11,900 * 11,900 * 10,000 * 8,900 * 7,900 * 6,800 * 5,900 *	9,200 * 9,000 * 8,800 * 8,400 * 8,200 * 7,400 * 6,500 * 4,900 * 4,900 *	Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 46.0 65.0 75.0 80.0 85.0 90.0 110.0 120.0 130.0 140.0 150.0	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 63.0 458.1 54.6 51.1 47.2 43.1	3 O Degree Machine List 29,700 * 29,200 * 28,700 * 26,800 * 26,300 * 21,500 * 21,500 * 15,900 * 14,700 13,500 12,400 19,200 7,800 6,500 \$ 5,200 *	18,200 * 17,100 * 16,100 * 11,700 * 11,700 * 11,700 * 12,400 * 11,700 * 8,200 * 7,100 * 5,900 * 4,900 * 4,900 *	11,700 * 11,300 * 11,000 * 10,600 * 10,100 * 9,500 * 8,400 * 7,400 * 6,500 * 4,600 * 3,700 * 3,700 *	7,700 * 7,700 * 7,500 * 7,000 * 6,800 * 6,000 * 5,200 * 4,500 *	Received	eves	2	2		
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 90.0 95.0 110.0 120.0 130.0 140.0 150.0	Boom Angle (deg.) 81.6 80.4 79.8 81.0 80.4 79.8 76.7 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5 59.7 56.2 52.5 48.5 44.3 39.7	0 Degree Machine List 34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 30,600 * 29,600 * 24,000 * 24,000 * 24,000 * 15,000 15,000 11,000 9,400 8,200 7,200 6,300	21,700 * 20,600 * 11,7300 * 16,200 * 14,100 12,000 10,400 9,100 7,800 6,800 5,900	13,300 * 13,100 * 12,700 * 11,300 * 11,000 * 10,000 * 8,900 * 7,900 * 6,800 * 5,900 * 5,100 * 5,100 *	9,200 * 9,000 * 8,800 * 8,400 * 8,200 * 7,400 * 6,500 * 5,700 * 4,900 * 4,100 *	Load Radius (t) 34.0 38.0 40.0 42.0 44.0 45.0 65.0 75.0 65.0 75.0 80.0 85.0 99.0 99.0 100.0 110.0 120.0 130.0 140.0	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 63.0 458.1 54.6 51.1 47.2 43.1	3 O Degree Machine List 29,700 * 28,700 * 27,700 * 27,300 * 26,800 * 24,900 * 23,200 * 21,500 * 15,900 * 14,700 10,600 9,200 7,800 6,500	18,200 * 17,100 * 11,700 * 11,700 * 11,700 * 11,000 * 9,500 * 8,200 * 7,100 * 5,900 * 5,900 *	11,700 * 11,000 * 10,100 * 9,500 * 8,400 * 7,400 * 6,500 * 4,600 * 4,600 *	7,700 * 7,700 * 7,500 * 7,000 * 6,800 * 6,000 * 5,200 * 4,500 * 3,700 *	Received	eves	2	2		
Load Radius (ft) 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 55.0 65.0 70.0 75.0 80.0 90.0 95.0 110.0 120.0 130.0 140.0	Boom Angle (deg.) 81.6 80.4 79.8 81.0 80.4 79.2 78.6 78.0 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5 59.7 56.2 52.5 48.5	0 Degree Machine List 33,800 * 33,800 * 32,700 * 32,200 * 31,700 * 30,600 * 29,600 * 24,000 * 24,000 * 21,800 15,000 16,400 15,000 11,900 11,000 9,400 8,200 7,200	21,700 * 20,600 * 115,300 * 14,100 12,000 10,400 9,100 7,800 6,800	13,300 * 13,100 * 12,700 * 12,400 * 11,900 * 11,900 * 10,000 * 8,900 * 7,900 * 6,800 * 5,900 *	9,200 * 9,000 * 8,800 * 8,400 * 8,200 * 7,400 * 6,500 * 4,900 * 4,900 *	Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 46.0 65.0 75.0 80.0 85.0 90.0 110.0 120.0 130.0 140.0 150.0	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 63.0 458.1 54.6 51.1 47.2 43.1	3 O Degree Machine List 29,700 * 29,200 * 28,700 * 26,800 * 26,300 * 21,500 * 21,500 * 15,900 * 14,700 13,500 12,400 19,200 7,800 6,500 \$ 5,200 *	18,200 * 17,100 * 16,100 * 11,700 * 11,700 * 11,700 * 12,400 * 11,700 * 8,200 * 7,100 * 5,900 * 4,900 * 4,900 *	11,700 * 11,300 * 11,000 * 10,600 * 10,100 * 9,500 * 8,400 * 7,400 * 6,500 * 4,600 * 3,700 * 3,700 *	7,700 * 7,700 * 7,500 * 7,000 * 6,800 * 6,000 * 5,200 * 4,500 * 3,700 *	Received	eves		2		
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 90.0 110.0 120.0 130.0 140.0 150.0 160.0	Boom Angle (deg.) 81.6 81.0 81.0 81.0 879.2 78.6 78.0 77.4 76.7 76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5 59.7 56.2 52.5 48.3 39.7 34.8	0 Degree Machine List 34,400 * 33,800 * 32,700 * 32,200 * 31,700 * 30,600 * 29,600 * 24,000 * 24,000 * 24,000 * 15,000 15,000 11,000 9,400 8,200 7,200 6,300 5,300	21,700 * 20,600 * 11,7300 * 16,200 * 14,100 12,000 10,400 9,100 7,800 6,800 5,900 5,100 *	13,300 * 13,100 * 12,700 * 11,300 * 11,000 * 10,000 * 8,900 * 7,900 * 6,800 * 5,900 * 5,100 * 4,000 *	9,200 * 9,000 * 8,800 * 8,400 * 8,200 * 7,400 * 6,500 * 5,700 * 4,900 * 4,100 *	Load Radius (ft) 34.0 36.0 38.0 40.0 42.0 44.0 46.0 65.0 75.0 80.0 85.0 90.0 110.0 120.0 130.0 140.0 150.0	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 63.0 458.1 54.6 51.1 47.2 43.1	3 O Degree Machine List 29,700 * 29,200 * 28,700 * 26,800 * 26,300 * 21,500 * 21,500 * 15,900 * 14,700 13,500 12,400 19,200 7,800 6,500 \$ 5,200 *	18,200 * 17,100 * 16,100 * 11,700 * 11,700 * 11,700 * 12,400 * 11,700 * 8,200 * 7,100 * 5,900 * 4,900 * 4,900 *	11,700 * 11,300 * 11,000 * 10,600 * 10,100 * 9,500 * 8,400 * 7,400 * 6,500 * 4,600 * 3,700 * 3,700 *	7,700 * 7,700 * 7,500 * 7,000 * 6,800 * 6,000 * 5,200 * 4,500 * 3,700 *	Rec	eves	2	2		2

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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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