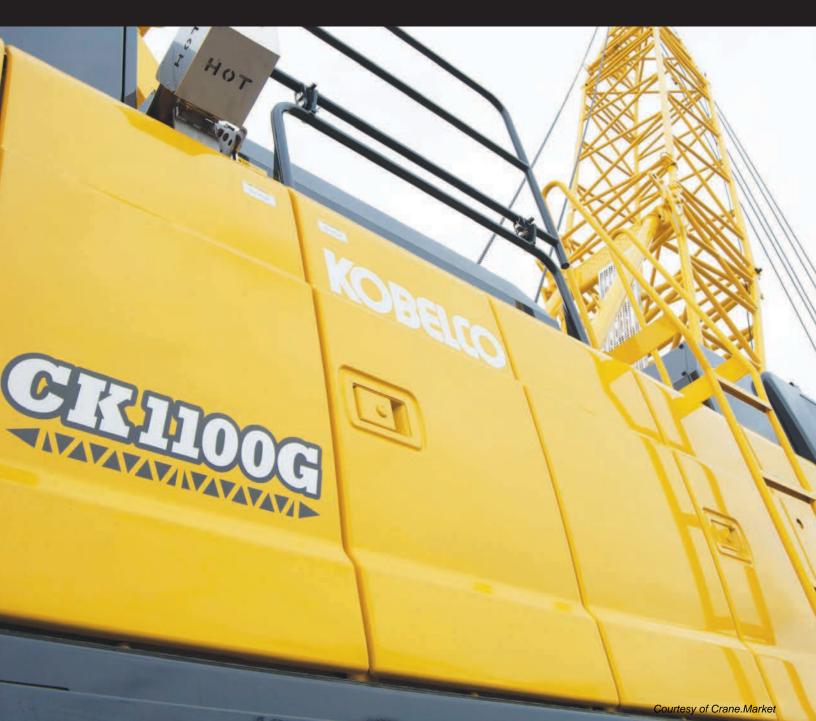


Hydraulic Crawler Crane

GRIDOG

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** 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)

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

Swing speed (max.) 4.0 rpm

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

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

drum.

Upper Machinery

Power Plant:

Diesel engine - make and model

Hino J08E-UV

(complies with Interim "Tier 4")

No. of cylinders 6

Bore X stroke 4-13/16" x 5-7/8"

(122 mm x 150 mm)

Cycles 4

Total displacement 469 cu.in. (7.684 l)

Rated output SAE GROSS

285 HP / 2,100 rpm (213 kW / 2,100 min⁻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. Courtesy of Crane.Market



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

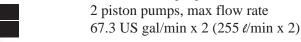
Full flow filters with replaceable paper elements

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 \(\ell \)min + 40.5 \(\ell \)min)

Brake cooling system

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

Gantry

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

Operators cab

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

Controls

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

Swing:

Swing unit

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

Swing brake

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

Swing circle

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

Swing lock

Manual, 4 position lock for transportation.



Line pull:

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

Lower Machinery

Crawlers:

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

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

Crawler drive:

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

Crawler brakes:

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

Steering mechanism:

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

Crawler shoe:

66 shoes - 36" wide, each crawler.

Track rollers:

The track rollers are sealed for maintenance free operation.

Front drum:

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

Negative brake

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

Drum lock External ratchet for locking drum

Drums:

Front drum -

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

Rear drum -

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

3rd drum (optional) -

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

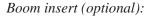


Crane Attachments

Boom:

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

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



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

Boom insert

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

Jib (optional):

Jib inserts are available to provide extension capabilites. The optional jib employs welded lattice construction with tubular, high-tension steel chords with pin connections between sections.

Maximum jib length60' (18.3 m)Basic jib length30' (9.1 m)Jib base section15'9" (4.8 m)Jib tip section16'5" (5.0 m)

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

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



Auxiliary sheave (optional):

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

Boom hoist reeving:

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

Boom backstops:

Telescopic type with spring bumper

Standard Equipment

Lights:

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

Gauges and warning display

Gauges

One (1) tachometer One (1) hour meter One (1) fuel gauge

One (1) water temperature

Warning display

Battery charge Engine oil pressure

Air cleaner Engine oil filter

Control main pressure Hydraulic oil temperature

DPF condition indicator

Others

Air conditioner/heater

Drum turn indicator (front/rear)

Foot pedal / throttle Electric transfer pump

Counterweight self-removal device

KCross Telematics Free fall winches

Safety Service

Function lock lever Swing Limiter

Boom over hoist limit switch

Signal horn

Front/rear hoist drum lock

Swing Limiter (Buzzer, lamps, or stops)

Overload prevention device (LMI)

Hook over hoist shut off (Anti-two-block)

Boom angle indicator

Travel alarm

Safety Service (cont)

Level indicator

Boom hoist drum lock

Swing locks, anti drift, and mechanical

Boom backstops

Boom base catwalk

Upper machinery catwalk, handrails

and ladder

Tools and Accessories

A set of tools and accessories are

furnished.

Optional Equipment

Third drum

Hook block

Hook ball

Auxiliary sheave

Fixed jib

Boom inserts

Carbody erection cylinder

on cylinder Courtesy of Crane.Market

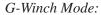
G-Mode

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):

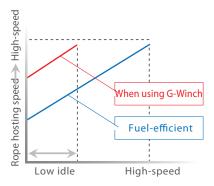
An Industry First

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.



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.

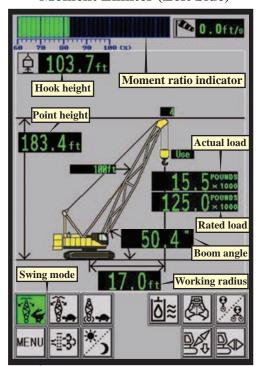
A new clean diesel system - although diesel engines consume less fuel and emit less CO2 than gasoline engines, they also emit more harmful particulate matter and nitrogen oxide (NOx). The "new clean energy system" engine utilizes a DPF to reduce particulate matter, which is also kept to a minimum using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

* Warning: High sulfer diesel will damage the engine.

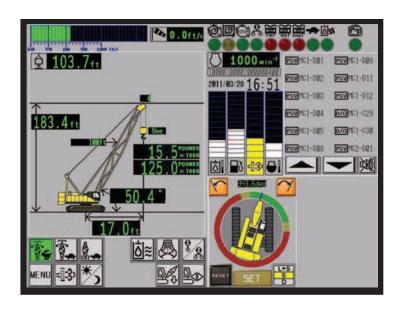
Load Moment Indicator (LMI)

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)

F 000 min PSV MC1-D01 PSV MC1-D09 PSVMC1-D82 PSVMC1-D11 2011/03/28 16:5 PSV MC1-D03 PSVMC1-D12 PSV MC1-D04 D/OMC1-C29 D/OMC1-030 PSV MC1-D05 PSV MC1-D08 PSV MC2-D01

Display Lamp Display lamp G-Engine G-Winch AIS operation

Slow speed state

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.



Remote control connection

Oil cooler operation

Free fall (auxiliary)

Free fall (3rd)

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	-1
(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 Car	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)

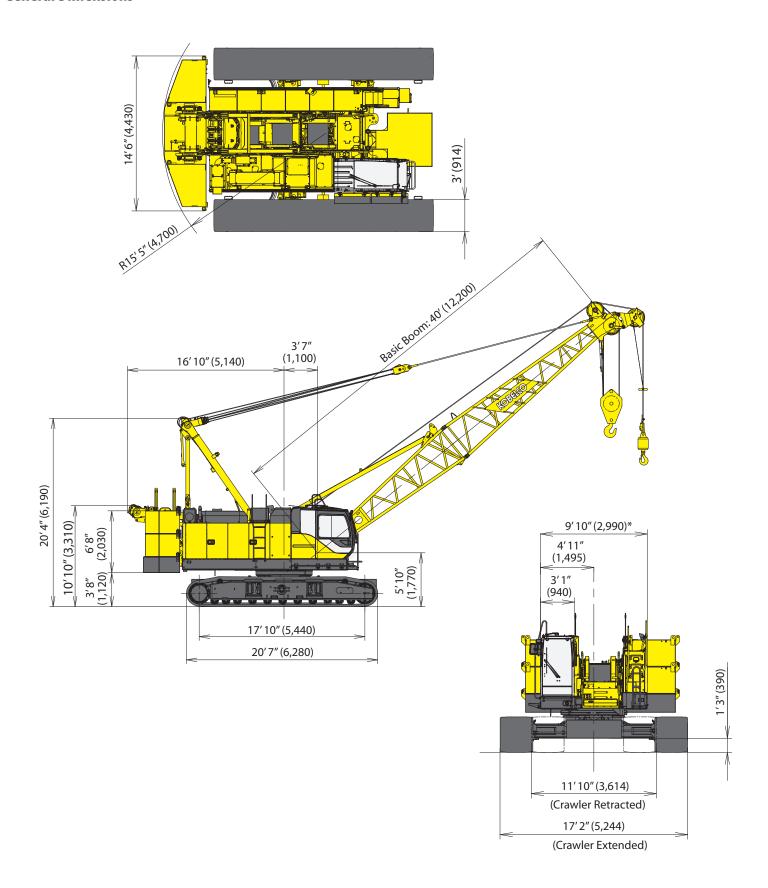
Line speed (ft/min)

	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	acity (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.

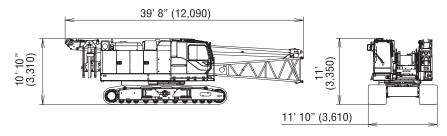
Dimensions and Weight

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

Base Machine - 1

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

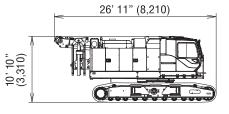
Boom base, gantry, crawlers, self removal unit, and wire ropes (front, rear, and boom hoist)

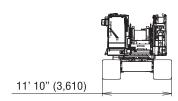


Base Machine - 2

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

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

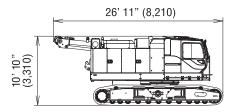


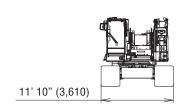


Base Machine - 3

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

wire ropes (front, rear, and boom hoist)

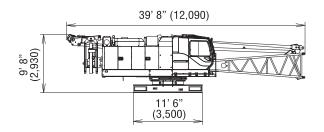


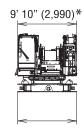


Base Machine - 4

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

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



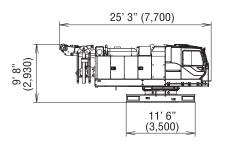


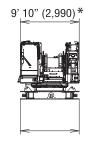
Base Machine - 5

Weight: 56,900 lbs (25,820 kg)

Gantry, self removal unit, and

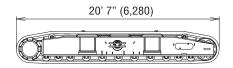
wire ropes (front, rear, and boom hoist)

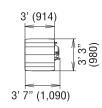




Crawler

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





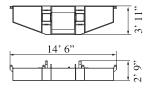
^{* - 10&#}x27;5" wide with Catwalks on cab side only. 11' wide with Catwalks on both sides.

Dimensions and Weight

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

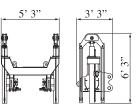
Counterweight Base

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



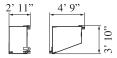
Self Removal Unit

Weight: 1,900 lbs (870 kg)



Counterweight (R)

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



Counterweight (L)

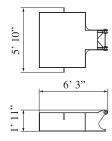
Weight: 12,700 lbs (5,750 kg)





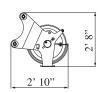
Carbody Weight

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



Auxiliary Sheave

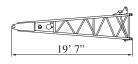
Weight: 430 lbs (195 kg)





Boom Base

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

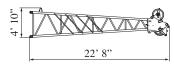




Boom Tip

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





10 ft (3.0 m) Insert Boom

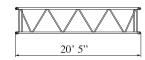
Weight: 800 lbs (364 kg) Includes cable roller and guy lines





20 ft (6.1 m) Insert Boom

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

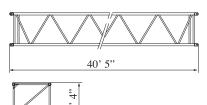




40 ft (12.2 m) Insert Boom

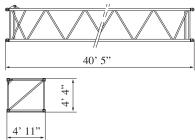
Weight: 2,400 lbs (1,098 kg) Includes cable roller and guy lines

4' 11"



40 ft (12.2 m) Insert Boom (with lug) Weight: 2,500 lbs (1,113 kg)

Includes cable roller and guy lines

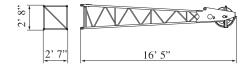


Dimensions and Weight

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

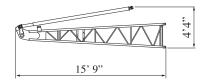
Jib Tip

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



Jib Base and Strut

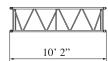
Weight: 1,400 lbs (637 kg) Includes guy line.





10 ft (3.0 m) Insert Jib

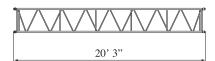
Weight: 280 lbs (128 kg) Includes cable roller and guy line.



2' 8"	- 21

20 ft (6.1 m) Jib Insert

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





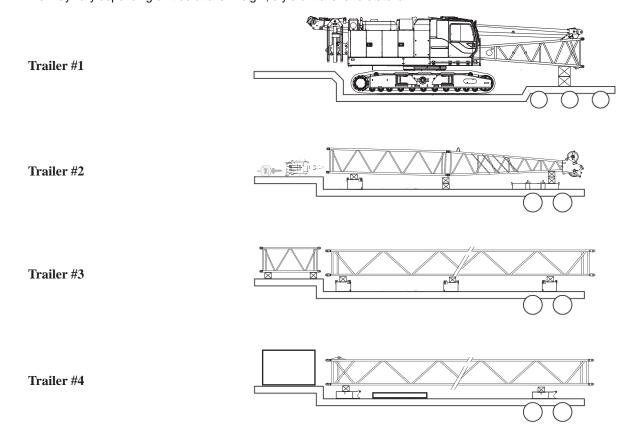
Transportation PlanRefer to pages 10-12

Shipping plan for 150 ft Boom

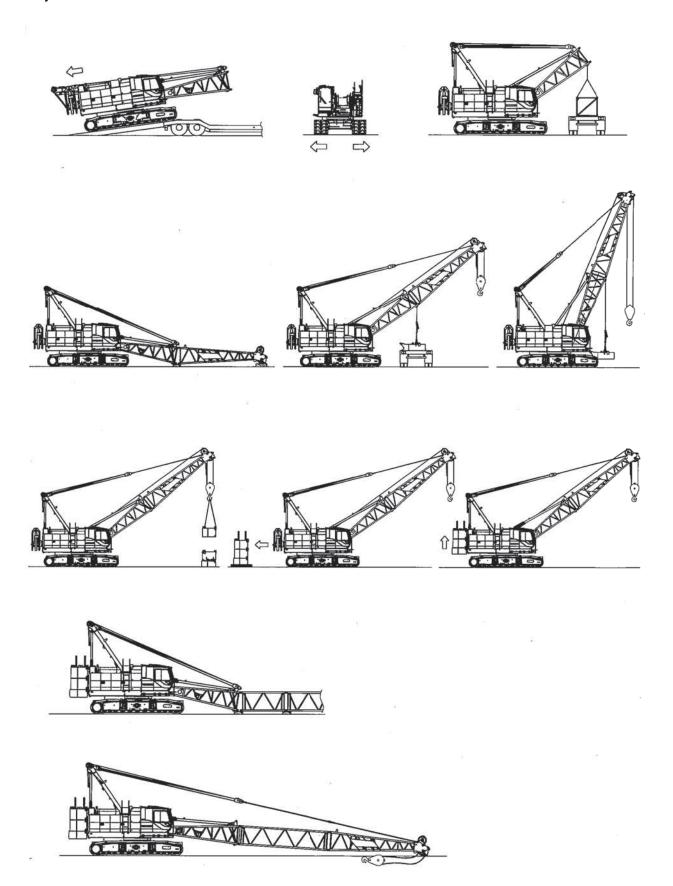
Description of Item	We	ight		Trailer	Loads	
Description of item	lbs	(kg)	#1	#2	#3	#4
Base Machine with Boom Base and Crawlers*	95,200	(43,150)	1			
Counterweight Base	18,200	(8,310)		1		
Counterweight (L)	12,700	(5,750)			2	
Counterweight ('R)	12,700	(5,750)		1	1	
Carbody Weight	15,900	(7,200)				2
10 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 Chinni	na Maiaht	lbs	95,200	39,000	41,300	39,390
Approx. Total Shippi	ng weignt	(kg)	(43,150)	(17,691)	(18,712)	(17,822)

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

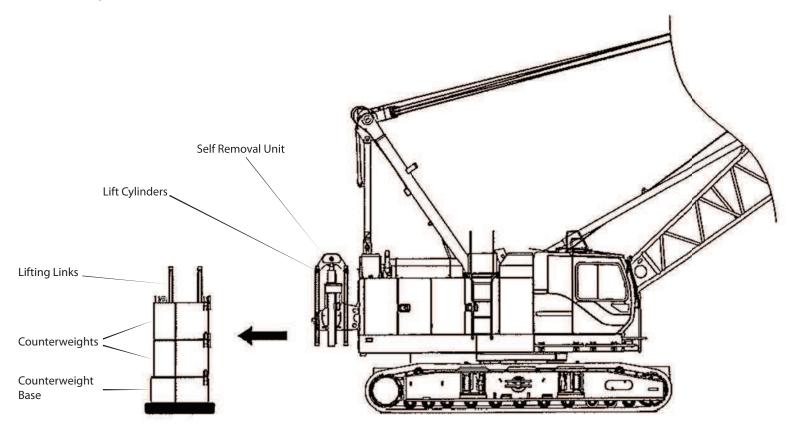
Loads for transportation were targeted at 45,000 lbs, 8' 6" wide, 48' long and 13' 6" high from ground, 48' step deck. This may vary depending on truck/trailer weight, style of trailer and state law.

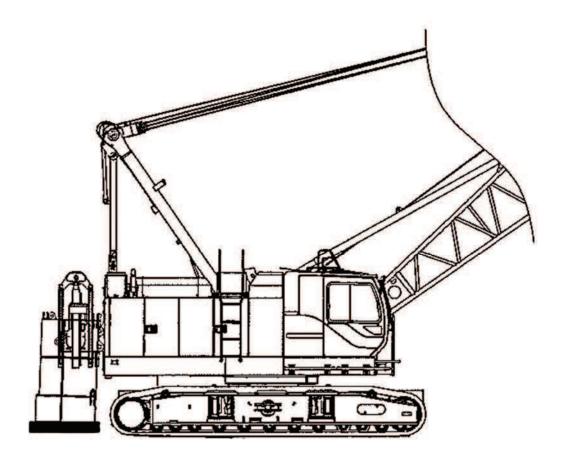


Self-Assembly Procedure



Counterweight Self-Removal Device



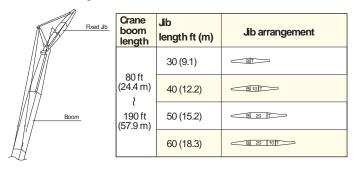


Boom and Fixed Jib Arrangement

Boom Arrangement

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

Fixed Jib Arrangement

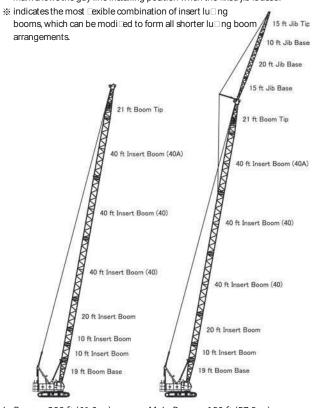


Symbol	Jib Length	Remarks
В	15 ft (4.6 m)	Jib Base
	15 ft (4.6 m)	Jib Top
10	10 ft (3.0 m)	Insert Jib
20	20 ft (6.1 m)	Insert Jib

Boom length ft (m)	Boom arrangement
150 (45.7)	※ ■ 10 20 40 40A T
160 (48.8)	# B 10 10 20 40 40 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.

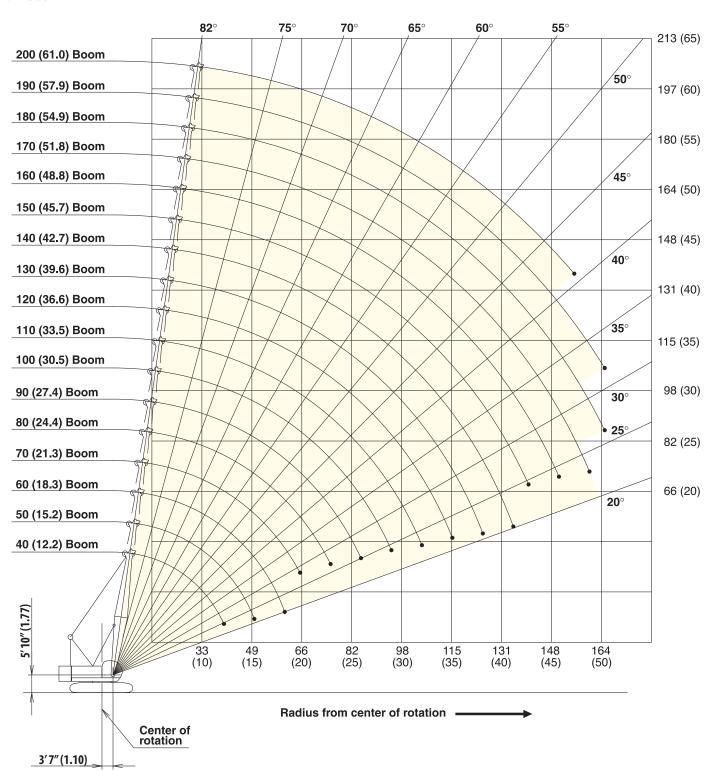


Main Boom - 200 ft (61.0 m) Main Bo

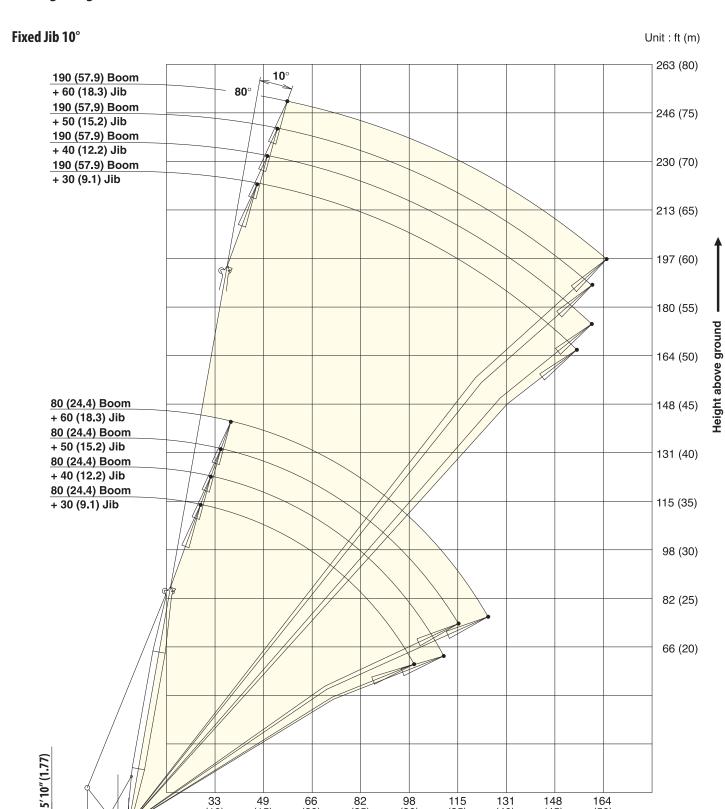
Main Boom - 190 ft (57.9 m) Fixed Jib - 60 ft (18.3 m)

Working Ranges

Main Boom Unit : ft (m)



Working Ranges



33 (10)

Center of rotation

(15)

66

(20)

(25)

Radius from center of rotation

98

(30)

115

(35)

131

(40)

148

(45)

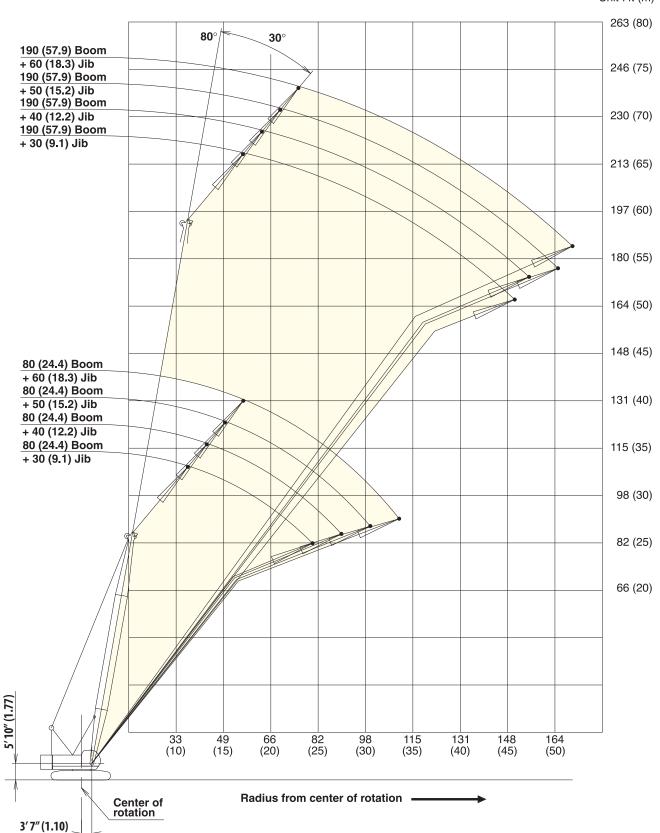
164

(50)

3'7"(1.10)

Working Ranges





Height above ground

Supplemental Data

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

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

- 8. The total load that can be lifted by jib is limited by rated jib loads.
- 9. Boom lengths for jib mounting are 80 ft (24.4 m) to 190 ft (57.9 m)
- 10. The total load that can be lifted by the auxiliary sheave is the value for 430 lbs deducted from rated load for the boom (without auxiliary sheave installed); however, the auxiliary sheave rated load should not exceed 24,000 lbs.

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

Maximum Load for Main Boom

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

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

Maximum Load for Fixed Jib

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

Maximum Load Auxiliary Sheave

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

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

Ma

Reeves

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Reeves

40)' Boo	m	50)' Boo	m	60)' Boo	m	70)' Boo	m	80)' Boo	m
Load	Boom	360°	Load	Boom	360°	Load	Boom	360°	Load	Boom	360°	Load	Boom	360°
Radius (ft)	Angle (deg.)	Rated Load (lbs)	Radius (ft)	Angle (deg.)	Rated Load (lbs)	Radius (ft)	Angle (deg.)	Rated Load (Ibs)	Radius (ft)	Angle (deg.)	Rated Load (Ibs)	Radius (ft)	Angle (deg.)	Rated Load (Ibs)
11.0	80.5	220,000 *	12.0	81.2	213,200 *	13.0	81.7	200,400 *	15.0	81.3	151,000 *	16.0	81.6	151,000 *
12.0 13.0	79.0 77.5	213,300 * 200,800 *	13.0 14.0	80.0 78.9	200,600 * 187,800 *	14.0 15.0	80.7 79.8	187,400 * 175,200 *	16.0 17.0	80.4 79.6	151,000 * 149,400 *	17.0 18.0	80.9 80.2	149,300 * 146,500 *
14.0	76.0	188,100 *	15.0	77.7	175,600 *	16.0	78.8	164,800 *	18.0	78.7	146,700 *	19.0	79.5	139,400 *
15.0	74.6	175,900 *	16.0	76.6	165,300 *	17.0	77.8	155,500 *	19.0	77.9	139,800 *	20.0	78.8	131,800
16.0	73.1	165,500 *	17.0	75.4	156,000 *	18.0	76.8	146,900 *	20.0	77.1	132,200	22.0	77.3	115,100
17.0 18.0	71.6 70.1	156,300 * 147,800 *	18.0 19.0	74.2 72.9	147,400 * 140,100 *	19.0 20.0	75.9 74.9	139,800 * 132,200	22.0 24.0	75.4 73.7	115,400 101,300	24.0 26.0	75.8 74.3	101,000 89,200
19.0	68.5	147,500	20.0	71.7	132,400	22.0	72.9	115,100	26.0	72.0	89,600	28.0	72.8	80,500
20.0	66.9	132,800	22.0	69.3	115,300	24.0	70.9	100,800	28.0	70.3	80,800	30.0	71.2	72,800
22.0	63.7	115,600	24.0	66.8	101,000	26.0	68.8	89,100	30.0	68.5	73,000	32.0	69.7	66,600
24.0	60.4	101,300	26.0	64.3	89,400	28.0	66.7	80,500	32.0	66.7	67,000	34.0	68.2	61,600
26.0	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 30.0	53.4 49.8	80,900 73,300	30.0 32.0	59.1 56.3	73,000 67,000	32.0 34.0	62.5 60.3	66,600 61,600	36.0 38.0	63.0 61.2	57,800 53,600	38.0 40.0	65.1 63.5	53,100 49,300
32.0	45.8	67,200	34.0	53.4	62,000	36.0	58.0	57,300	40.0	59.3	49,800	42.0	61.8	49,300 46,600
34.0	41.2	61,700	36.0	50.3	57,800	38.0	55.7	53,100	42.0	57.3	46,900	44.0	60.2	43,800
36.0	36.2	56,600	38.0	47.3	53,600	40.0	53.4	49,300	44.0	55.3	44,100	46.0	58.5	41,100
38.0	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	40.4	47,000	44.0	48.3	43,800	48.0	51.2	39,400	50.0	55.1	37,100
			44.0 46.0	36.7 32.9	44,300 41,500	46.0 48.0	45.8 42.8	41,100 39,200	50.0 55.0	49.0 43.2	37,400 33,200	55.0 60.0	50.5 45.7	32,700 29,200
			48.0	27.6	38,300	50.0	39.9	3 7,200	60.0	36.9	29,600	65.0	40.4	26,300
			50.0	22.3	35,100	55.0	31.2	32,900	65.0	29.2	26,800	70.0	34.3	24,100
						60.0	20.7	28,600 *				75.0	26.9	22,100
Ree		8		ves	8	Ree	ves	8	Ree	ves	6	Ree		6
)' Boo	m		OID -			ALD		40	ALD		40	ALD.	
Load				0' Boo			0' Boo			0' Boo			0' Boo	
Radius	Boom	360°	Load	Boom	360°	Load	Boom	360°	Load	Boom	360°	Load	Boom	360°
Radius (ft)				Boom										
<i>(ft)</i> 17.0	Boom Angle (deg.) 81.9	360° Rated Load (lbs) 125,800 *	Load Radius (ft)	Boom Angle (deg.) 81.6	360° Rated Load (lbs) 125,600 *	Load Radius (ft)	Boom Angle (deg.) 81.8	360° Rated Load (lbs) 100,800 *	Load Radius (ft) 22.0	Boom Angle (deg.) 81.6	360° Rated Load (lbs) 98,700 *	Load Radius (ft) 24.0	Boom Angle (deg.) 81.3	360° Rated Load (lbs) 85,100 *
(ft) 17.0 18.0	Boom Angle (deg.) 81.9 81.3	360° Rated Load (lbs) 125,800 * 125,800 *	Load Radius (ft) 19.0 20.0	Boom Angle (deg.) 81.6 81.0	360° Pated Load (lbs) 125,600 * 123,600 *	Load Radius (ft) 20.0 22.0	Boom Angle (deg.) 81.8 80.8	360° Rated Load (lbs) 100,800 * 100,800 *	Load Radius (ft) 22.0 24.0	Boom Angle (deg.) 81.6 80.6	360° Rated Load (lbs) 98,700 * 94,200 *	Load Radius (ft) 24.0 26.0	Boom Angle (deg.) 81.3 80.4	360° Rated Load (lbs) 85,100 * 83,900 *
(ft) 17.0 18.0 19.0 20.0	Boom Angle (deg.) 81.9	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 *	Load Radius (ft) 19.0 20.0 22.0 24.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7	360° Rated Load (lbs) 125,600 *	Load Radius (ft)	Boom Angle (deg.) 81.8	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 *	Load Radius (ft) 22.0 24.0 26.0 28.0	Boom Angle (deg.) 81.6	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900	Load Radius (ft) 24.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900
(ft) 17.0 18.0 19.0 20.0 22.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7	360° Rated Load (lbs) 125,800 * 125,800 * 124,000 * 112,500 *	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5	360 Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900	Load Radius (ft) 20.0 22.0 24.0 26.0 28.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6	360 Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200	Load Radius (ft) 22.0 24.0 26.0 28.0 30.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900
(ft) 17.0 18.0 19.0 20.0 22.0 24.0	81.9 81.3 80.7 80.0 78.7 77.4	360 Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200	Load Radius (ft) 20.0 22.0 24.0 26.0 28.0 30.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5	360 Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400	Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0	81.6 80.6 79.6 77.7 76.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0	81.3 80.4 79.5 78.6 77.7 76.9	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900
(ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0	81.9 81.3 80.7 80.0 78.7 77.4 76.1	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1	360 Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400	Load Radius (ft) 20.0 22.0 24.0 26.0 28.0 30.0 32.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5 75.4	360 Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300	Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0	Boom Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7	360' Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600
(ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0	81.9 81.3 80.7 80.0 78.7 77.4	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0	Boom Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 7,400 66,300 61,300	Load Radius (ft) 20.0 22.0 24.0 26.0 28.0 30.0	Boom Angle (deg.) 81.8 80.8 79.7 78.6 77.6 76.5	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000	Load Padius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	81.6 80.6 79.6 77.7 76.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500	Load Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 74.1	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400
(ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0	81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 110,800 89,100 80,500 72,800 66,600	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0	800m Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000	Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0	80.8 79.7 78.6 77.6 76.5 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 Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0	80.6 79.6 77.7 76.7 73.7 72.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600
(ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0	80.7 80.0 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1 70.8	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0	800m Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700	Load Radius (ft) 20.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1	360 Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900	Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0	80.6 79.6 78.6 77.7 76.7 73.7 72.7 71.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700 45,800	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 38.0 40.0 42.0	80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2	360° Rated Load (lbs) 85,100 * 83,900 * 71,900 65,900 60,900 56,600 52,300 48,400 42,800
(ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0	81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	800m Angle (deg.) 81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700 48,900	Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0	80.8 79.7 78.6 77.6 76.5 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 48,900 46,200	Load Padius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0	80.6 79.6 77.7 76.7 73.7 72.7	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700 45,800 43,000	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0	80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2	360° Rated Load (lbs) 85,100 * 83,900 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 40,000
(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	81.9 81.3 80.7 77.4 76.1 74.8 73.5 72.1 69.4 68.0 66.6	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 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 48,900 43,400	Load Radius (ft) 20.0 24.0 24.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 44.0	81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 67.8	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700	Load Padius (ft) 22.0 24.0 26.0 28.0 30.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0	80.0m Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 73.7 71.7 70.7 69.7 68.6	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 66,100 61,100 56,800 52,500 48,700 45,800 43,000 40,200 38,300	Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 48.0 50.0	81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000
(ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	80.7 81.9 81.3 80.7 77.4 76.1 74.8 73.5 72.1 70.8 69.4 68.0 66.6 65.2	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500	Load Radius (ft) 19.0 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	81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900 88,200 72,400 66,300 61,300 57,000 52,700 48,900 48,900 46,200 43,400 40,700	Load Radius (ft) 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 48.0	81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 67.8 66.6	360° Rated Load (Ibs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 38,700	Load Padius (ft) 22.0 24.0 26.0 30.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0	80.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 73.7 72.7 70.7 69.7 68.6 67.6	360° Rated Load (lbs) 98,700 * 98,700 * 98,700 * 98,000 * 79,900 66,100 61,100 56,800 52,500 48,700 45,800 43,000 40,200 38,300 36,300	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 36.0 40.0 44.0 44.0 48.0 50.0 55.0	81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 42,800 40,000 38,000 36,000 31,600
(ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0	80.7 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	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 445,500 43,700	Load Radius (ft) 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	81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4 64.1	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 * 88,900 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 38,700	Load Radius (ft) 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 48.0 50.0	81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 66.6 65.4	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 38,700 38,700 36,600	Load Padius (ft) 22.0 24.0 26.0 30.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0	81.6 80.6 79.6 77.7 76.7 75.7 74.7 73.7 72.7 71.7 70.7 69.7 68.6 67.6 65.0	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 66,100 61,100 56,800 52,500 48,700 45,800 43,000 40,200 38,300 36,300 32,000	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 36.0 40.0 44.0 46.0 48.0 55.0 60.0	81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 36,000 31,600 28,100
(ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 34.0 36.0 38.0 40.0 44.0 46.0	80.7 81.9 81.3 80.7 77.4 76.1 74.8 73.5 72.1 70.8 69.4 68.0 66.6 65.2	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 110,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500 43,700 40,900 38,900	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0	81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 71.6 70.3 69.1 67.9 66.6 65.4	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 110,600 88,900 80,200 72,400 66,300 61,300 57,000 48,900 46,200 43,400 40,700 38,700 36,600 32,300	Load Radius (ft) 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 48.0	81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 67.8 66.6	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 38,700 36,600 32,300 28,700	Load Padius (ft) 22.0 24.0 26.0 30.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 50.0	81.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 73.7 72.7 71.7 70.7 69.7 68.6 67.6 65.0 62.3 59.6	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700 45,800 40,200 38,300 32,000 28,300 25,400	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 36.0 40.0 44.0 44.0 48.0 50.0 55.0	81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1	360° Rated Load (lbs) 85,100 * 78,200 * 71,900 65,900 60,900 56,600 42,800 40,000 38,000 36,000 31,600 28,100 22,900
(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 44.0 44.0 44.0 50.0	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	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 110,800 * 89,100 * 80,500 * 72,800 * 66,600 * 57,300 * 53,100 * 49,300 * 40,500 * 43,700 * 40,900 * 38,900 * 36,900	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0 50.0 55.0 60.0	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 62.8 59.5 56.1	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 36,600 32,300 28,700	Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 34.0 36.0 44.0 46.0 48.0 55.0 60.0 65.0	81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 67.8 66.6 65.4 62.5 59.5 56.5	360 Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 440,700 38,700 36,600 32,300 28,700 25,900	Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 34.0 34.0 40.0 44.0 46.0 48.0 50.0 605.0 605.0 70.0	81.6 80.6 79.6 77.7 76.7 75.7 74.7 72.7 71.7 70.7 69.7 68.6 67.6 67.6 62.3 59.6 56.8	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 72,200 66,100 61,100 56,800 52,500 48,700 45,800 40,200 38,300 32,000 28,300 25,400 23,200	Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 48.0 50.0 65.0 60.0 70.0	81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0	360° Rated Load (lbs) 85,100 * 83,900 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 31,600 28,100 25,200 22,900 20,900
(ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 44.0 44.0 44.0 45.0 55.0	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	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 110,800 * 89,100 * 80,500 * 72,800 * 66,600 * 61,600 * 57,300 * 49,300 * 46,500 * 43,700 * 40,900 * 38,900 * 36,900 * 32,500	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 34.0 44.0 44.0 45.0 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 67.9 66.6 65.4 64.1 62.8 59.5 56.1 52.5	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 110,600 88,900 80,200 72,400 66,300 61,300 57,000 46,200 43,400 40,700 38,700 36,600 32,300 25,900	Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 34.0 36.0 44.0 48.0 50.0 60.0 65.0 70.0	81.8 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 66.6 65.4 62.5 59.5 56.5 53.2	360 Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 52,700 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 34.0 38.0 40.0 44.0 46.0 48.0 50.0 60.0 65.0 75.0	81.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 72.7 71.7 70.7 69.7 69.7 69.6 67.6 65.0 62.3 59.6 56.8 53.8	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 66,100 61,100 56,800 52,500 48,700 45,800 45,800 40,200 38,300 36,300 32,000 28,300 25,400 23,200 21,200	Load Radius (ft) 24.0 24.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 48.0 55.0 60.0 75.0 80.0	81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0 54.3	360° Rated Load (lbs) 85,100 * 83,900 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 40,000 38,000 36,000 28,100 25,200 22,900 20,900 19,000
(ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 34.0 36.0 38.0 40.0 42.0 44.0 45.0 55.0 60.0	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 59.4 55.7 51.7	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 110,800 * 89,100 * 80,500 * 72,800 * 66,600 * 61,600 * 57,300 * 49,300 * 46,500 * 43,700 * 40,900 * 38,900 * 36,900 * 32,500 * 29,000	Load Radius (ft) 19.0 20.0 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	81.6 81.0 79.9 78.7 77.5 76.3 75.1 74.0 72.8 70.3 69.1 67.9 66.6 65.4 64.1 62.8 59.5 56.1 52.5 48.8	360° Rated Load (lbs) 125,600 * 123,600 * 112,200 * 100,600 88,900 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 38,700 36,600 32,300 22,300 225,900 23,500	Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 34.0 36.0 40.0 48.0 50.0 55.0 60.0 77.0	81.8 80.8 77.6 77.6 76.5 75.4 74.3 73.2 71.1 70.0 68.9 67.8 66.6 65.4 62.5 59.5 56.5 59.5 49.9	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 38,700 36,600 32,300 28,700 25,900 23,500 21,400	Load Padius (ft) 22.0 24.0 26.0 30.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 50.0 65.0 70.0 80.0	80.0m Angle (deg.) 81.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 73.7 71.7 70.7 69.7 68.6 67.6 65.0 62.0 62.0 65.0 65.0 65.0 85.8 50.8	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 66,100 61,100 56,800 52,500 48,700 45,800 43,000 40,200 38,300 32,000 28,300 25,400 23,200 21,200 19,400	Load Radius (ft) 24.0 28.0 28.0 30.0 32.0 36.0 38.0 40.0 42.0 44.0 55.0 60.0 65.0 70.0 88.0	81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0 54.3 51.6	360° Rated Load (lbs) 85,100 * 83,900 * 71,900 65,900 60,900 56,600 42,800 40,000 38,000 36,000 28,100 25,200 22,900 20,900 19,000 17,500
(ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 42.0 44.0 46.0 48.0 50.0 65.0 70.0	80.0 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 59.4 55.7 47.4 42.9	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 112,500 * 100,800 * 89,100 * 80,500 * 72,800 * 66,600 * 61,600 * 57,300 * 53,100 * 49,300 * 40,900 * 38,900 * 38,900 * 32,500 * 29,000 * 26,100 * 23,800	Load Radius (ft) 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 65.0 60.0 75.0 80.0	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 62.8 59.5 56.1 52.5 48.8 44.8 40.5	360° Rated Load (lbs) 125,600 * 123,600 * 123,600 * 112,200 * 100,600 88,900 86,200 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 21,400 19,600	Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 48.0 55.0 60.0 65.0 75.0 85.0	81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 66.6 65.4 62.5 59.5 56.5 55.5 53.2 49.9 46.4 42.6	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 48,900 46,200 43,400 40,700 38,700 36,600 32,300 28,700 21,400 19,600 18,100	22.0 24.0 24.0 28.0 30.0 34.0 36.0 38.0 40.0 42.0 46.0 48.0 50.0 65.0 75.0 80.0 85.0 90.0	80.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 73.7 72.7 70.7 69.7 68.6 67.6 65.0 62.3 59.6 55.8 53.8 47.7 44.3	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 66,100 61,100 56,800 52,500 48,700 45,800 43,000 40,200 38,300 32,000 28,300 25,400 23,200 21,200 19,400 17,700 16,500	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 36.0 40.0 44.0 48.0 55.0 65.0 70.0 85.0 90.0 95.0	81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0 54.3 51.6 48.7 45.6	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 42,800 40,000 31,600 25,200 22,900 20,900 19,000 17,500 16,100 15,000
17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 50.0 55.0 60.0 75.0	80.7 81.9 81.3 80.7 77.4 76.1 74.8 73.5 72.1 70.8 69.4 66.6 65.2 63.8 62.4 60.9 59.4 55.7 51.7 47.4 42.9 37.9	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500 43,700 40,900 38,900 38,900 32,500 29,000 26,100 23,800 21,800	Load Radius (ft) 19.0 20.0 24.0 26.0 28.0 30.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0 60.0 75.0 80.0 85.0	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 62.8 59.5 56.1 52.5 48.8 44.8 40.5 36.0	360° Rated Load (lbs) 125,600 * 123,600 * 123,600 * 100,600 88,900 88,900 66,300 61,300 57,000 52,700 48,900 46,200 43,400 40,700 38,700 36,600 32,300 28,700 25,900 23,500 21,400 19,600 18,100	Load Radius (ft) 20.0 24.0 24.0 28.0 30.0 32.0 34.0 40.0 44.0 46.0 48.0 55.0 60.0 75.0 85.0 90.0	81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 66.6 65.4 62.5 59.5 56.5 55.5 54.9 49.9 42.6 38.6	360° Rated Load (Ibs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 48,900 46,200 43,400 40,700 38,700 36,600 32,300 28,700 25,900 23,500 21,400 19,600 18,100 16,800	Load Padius (ft) 22.0 24.0 24.0 28.0 30.0 34.0 36.0 42.0 44.0 46.0 46.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	80.6 79.6 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 50.8 47.7 44.3 40.7	360° Rated Load (lbs) 98,700 * 94,200 * 98,700 * 94,200 * 88,000 * 72,200 66,100 61,100 56,800 52,500 48,700 45,800 43,000 40,200 38,300 32,000 28,300 25,400 23,200 21,200 19,400 17,700 16,500 15,300	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 36.0 40.0 44.0 48.0 55.0 65.0 70.0 75.0 80.0 95.0 100.0	81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0 54.3 51.6 48.7 45.6 42.4	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 42,800 40,000 38,000 31,600 25,200 22,900 20,900 19,000 17,500 16,100 15,000 14,000
(ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 34.0 44.0 44.0 45.0 46.0 48.0 55.0 66.0 65.0 70.0	80.0 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 59.4 55.7 47.4 42.9	360° Rated Load (lbs) 125,800 * 125,800 * 125,800 * 125,800 * 112,500 * 112,500 * 100,800 * 89,100 * 80,500 * 72,800 * 66,600 * 61,600 * 57,300 * 53,100 * 49,300 * 40,900 * 38,900 * 38,900 * 32,500 * 29,000 * 26,100 * 23,800	Load Radius (ft) 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 65.0 60.0 75.0 80.0	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 62.8 59.5 56.1 52.5 48.8 44.8 40.5	360° Rated Load (lbs) 125,600 * 123,600 * 123,600 * 112,200 * 100,600 88,900 86,200 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 21,400 19,600	Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 48.0 55.0 60.0 65.0 75.0 85.0	81.8 80.8 79.7 78.6 77.6 76.5 75.4 74.3 73.2 72.2 71.1 70.0 68.9 66.6 65.4 62.5 59.5 56.5 55.5 53.2 49.9 46.4 42.6	360° Rated Load (lbs) 100,800 * 100,800 * 96,500 * 88,500 * 80,200 72,400 66,300 61,300 57,000 48,900 46,200 43,400 40,700 38,700 36,600 32,300 28,700 21,400 19,600 18,100	22.0 24.0 24.0 28.0 30.0 34.0 36.0 38.0 40.0 42.0 46.0 48.0 50.0 65.0 75.0 80.0 85.0 90.0	80.6 80.6 79.6 78.6 77.7 76.7 75.7 74.7 73.7 72.7 70.7 69.7 68.6 67.6 65.0 62.3 59.6 55.8 53.8 47.7 44.3	360° Rated Load (lbs) 98,700 * 94,200 * 88,000 * 79,900 66,100 61,100 56,800 52,500 48,700 45,800 43,000 40,200 38,300 32,000 28,300 25,400 23,200 21,200 19,400 17,700 16,500	Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 36.0 40.0 44.0 48.0 55.0 65.0 70.0 85.0 90.0 95.0	81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 71.3 70.4 69.4 67.1 64.6 62.2 59.6 57.0 54.3 51.6 48.7 45.6	360° Rated Load (lbs) 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 42,800 40,000 31,600 25,200 22,900 20,900 19,000 17,500 16,100 15,000

4

Reeves

Reeves

Reeves

Main Boom Lift Capacity

ın Boo	om Lif	t Capacity								Full Coun	terweight: 69,00	00 lbs	Carbody	Weight: 31,800
14	0' Boo	om	15	0' Boo	om	16	0' Boo	om	17	0' Boo	om	18	0' Boo	om
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)
24.0 26.0 28.0 30.0 32.0 36.0 38.0 40.0 44.0 46.0 55.0 60.0	81.9 81.1 80.3 79.4 78.6 77.8 76.9 76.1 75.2 74.4 73.5 72.7 71.8 68.8 66.6	72,900 * 71,800 * 70,800 * 69,000 * 64,700 * 60,500 56,200 52,000 48,200 45,400 42,600 39,800 37,800 31,400 27,800	26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 46.0 48.0 50.0 60.0 65.0	81.7 80.9 80.1 79.4 78.6 77.0 76.3 75.5 74.7 73.9 73.1 72.3 68.2 66.2	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	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	81.5 80.8 80.1 79.4 78.6 77.2 76.4 75.6 74.9 74.1 73.4 71.5 69.6 67.7 65.8	50,200 * 50,100 * 49,700 * 49,700 * 49,200 * 48,500 * 47,800 * 46,600 * 44,300 * 42,100 * 39,800 37,800 35,800 31,400 27,800 25,000 22,600	30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 48.0 50.0 65.0 70.0 75.0 80.0	81.3 80.7 80.0 79.3 78.6 77.2 76.5 75.8 75.1 74.4 72.6 70.9 69.1 67.3 65.4	44,500 * 43,900 * 43,200 * 42,500 * 41,900 * 41,200 * 40,600 * 40,000 * 39,300 * 35,400 * 31,200 27,600 24,600 22,300 20,300 18,500	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 70.0 80.0	81.8 81.2 80.5 79.9 79.2 78.6 77.9 76.6 75.9 75.3 73.7 72.0 70.3 68.6 66.9 65.2	39,300 * 38,800 * 38,200 * 37,600 * 37,000 * 36,400 * 35,800 * 35,100 * 34,500 * 33,900 * 33,300 * 27,400 24,400 21,900 19,900
65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 130.0 135.0	64.3 62.0 59.7 57.3 54.8 52.2 49.5 46.8 34.0 20.5	25,000 22,600 20,500 18,700 17,200 15,900 14,600 13,600 11,900 10,300 9,200 8,830	70.0 75.0 80.0 85.0 90.0 95.0 100.0 120.0 140.0	64.0 61.9 59.6 57.4 55.2 52.8 50.3 45.1 39.3 32.8 24.3	22,400 20,300 18,500 17,000 15,700 14,400 13,400 11,700 10,300 8,900 8,000	75.0 80.0 85.0 90.0 95.0 100.0 120.0 130.0 140.0	63.8 61.8 59.7 57.6 55.4 53.2 48.6 43.6 38.1 31.6 23.7	20,500 18,700 17,000 15,700 14,500 13,500 11,700 10,100 8,900 7,900 7,100	85.0 90.0 95.0 100.0 110.0 120.0 130.0 140.0 150.0	63.5 61.6 59.7 57.8 55.8 51.5 47.0 42.2 36.8 30.5 23.2	16,800 16,800 15,400 14,300 13,300 11,500 9,800 8,700 7,700 6,800 5,900	85.0 90.0 95.0 100.0 120.0 130.0 140.0 150.0 160.0 165.0	63.2 63.4 61.6 59.8 57.9 54.0 49.9 45.6 40.9 35.7 29.7 26.5	18,100 16,600 15,200 14,000 12,900 11,100 9,600 8,500 7,400 6,500 5,600 5,100
	0' Boo			0' Boo		Nec	ves		Nec	ves		Nec	ves	
Load Radius (ft)	Boom	360° Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (Ibs)									
32.0 34.0 36.0 38.0 40.0 44.0 44.0 55.0 65.0 70.0 85.0 90.0 95.0 110.0 120.0 130.0 140.0 150.0 160.0	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 52.5 44.3 39.7 34.8	34,400 * 33,800 * 33,800 * 32,700 * 32,700 * 31,700 * 31,100 * 30,600 * 29,600 * 29,600 * 24,000 * 24,000 * 21,800 19,900 18,000 16,400 15,000 11,000 9,400 8,200 7,200 6,300 5,300 4,650	34.0 36.0 38.0 42.0 44.0 46.0 48.0 50.0 65.0 70.0 75.0 80.0 90.0 100.0 110.0 130.0 155.0	81.5 80.9 80.3 79.7 79.1 78.6 78.0 77.8 76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 54.6 51.1 47.2 43.1 41.0	30,300 * 29,700 * 29,200 * 28,700 * 28,200 * 27,700 * 27,300 * 26,300 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800 6,500 5,200 * 4,650 *									

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

	80	' Boor	n																				
	00		ft Jib					40 f	ft J ib					50 f	t J ib			1		601	ft J ib		
		O set A		dea)					ngle (d	dea)					ngle (c	dea)					ngle (d	lea)	
	10		ligio (c	30			10		l gio (c	30			10	3 001711	igio (c	30			10		l gio (c	30	
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
30.0 32.0	79.3 78.0	24,000* 24,000 *		, 0,	. ,	34.0 36.0	79.3 78.3	24,000* 24,000 *	.,	, 0,	. ,	38.0 40.0	79.3 78.4	20,000* 20,000 *	. ,	, 0,	, ,	40.0 45.0	79.8 77.7	18,000* 18,000 *		, ,,	, ,
34.0	77.0	24,000*				38.0	77.4	24,000*				45.0	76.1	20,000*				50.0	75.6	17,850*			
36.0 38.0	75.9 74.9	24,000 * 24,000*	38.0	79.6	21,000*	40.0 45.0	76.4 73.9	24,000 * 24,000*	45.0	79.7	15,360*	50.0 55.0	73.8 71.3	20,000 * 18,560*	55.0	78.0	11,080*	55.0 60.0	73.3 71.2	16,180* 14,850*	60.0	78.7	8,950*
40.0	73.8 71.1	24,000 *	40.0	78.5 75.7	21,000*	50.0 55.0	71.4 68.7	24,000 *	50.0 55.0	77.1 74.3	14,480*	60.0 65.0	68.9 66.5	17,080*	60.0 65.0	75.5 73.0	10,490 * 9,980*	65.0 70.0	69.0 66.7	13,730*	65.0 70.0	76.4 74.1	8,480 * 8,060*
45.0 50.0	68.3	24,000* 24,000 *	45.0 50.0	72.8	20,700* 19,510 *	60.0	66.1	22,480* 20,700 *	60.0	71.6	13,640* 12,980 *	70.0	64.0	15,800* 14,720 *	70.0	70.4	9,980** 9,540 *	75.0	64.3	12,760* 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	eves	1		eves	1	Ree	eves	1	Ree	eves	1	Ree	ves	1	Ree	eves	1	Ree	ves	1	Ree	ves	1
	90	' Boor	n																				
			••																				
		30 t	ft J ib	-/\					t Jib	-/					t Jib	/a.e.\					t Jib	/·\	
		30 t O set A	ft J ib					O set Ai	ft Jib ngle (d					O set Ai	it Jib ngle (d					O set A	ft J ib ngle (d		
Load Radius (ft)	10 Boom Angle	30 t O set A	ft J ib	30 Boom Angle	Rated Load (lbs)	Load Padius (ft)	10 Boom Angle	O set Ai	ngle (d Load Radius	30 Boom Angle	Rated Load (lbs)	Load Radius (ft)	10 Boom Angle	O set Ai	ngle (d Load Radius	30 Boom Angle	Rated Load (lbs)	Load Padius (ft)	10 Boom Angle	O set A Rated Load	ngle (d Load Radius	30 Boom Angle	Pated Load (lbs)
Radius (ft) 32.0	Boom Angle (deg.) 79.1	30 t O set Al O set Al Pated Load (lbs) 24,000*	ft Jib ngle (d Load Radius	30 Boom	Rated Load	Radius (ft) 36.0	Boom Angle (deg.) 79.3	Rated Load (lbs) 24,000*	ngle (d	30 Boom	Rated Load	Radius (ft) 38.0	Boom Angle (deg.) 80.0	Pated Load (lbs) 20,000*	ngle (d	30 Boom	Load	Radius (ft) 45.0	Boom Angle (deg.) 78.6	Rated Load (lbs) 18,000*	ngle (d	30 Boom	Rated Load
Radius (ft)	Boom Angle (deg.)	30 f O set All Rated Load (lbs)	ft Jib ngle (d Load Radius	30 Boom Angle	Rated Load	Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	ngle (d Load Radius	30 Boom Angle	Rated Load	Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	ngle (d Load Radius	30 Boom Angle	Load	Radius (ft)	Boom Angle (deg.)	O set A. Rated Load (lbs)	ngle (d Load Radius	30 Boom Angle	Rated Load
32.0 34.0 36.0 38.0	79.1 78.1 76.2	30 f O set Al D set Al D set Al Load (lbs) 24,000* 24,000* 24,000*	ngle (d Load Radius (ft)	30 Boom Angle (deg.)	Rated Load (lbs)	36.0 38.0 40.0 45.0	79.3 78.4 77.5 75.2	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000*	Load Radius (ft)	30 Boom Angle (deg.)	Rated Load (lbs)	8.0 40.0 45.0 50.0	Boom Angle (deg.) 80.0 79.2 77.1 75.0	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000*	Load Radius (ft)	30 Boom Angle (deg.)	Load (lbs)	### Adjus (ft) 45.0 50.0 55.0 60.0	78.6 76.6 72.5	Rated Load (lbs) 18,000* 18,000* 16,970* 15,630*	Load Radius (ft)	30 Boom Angle (deg.)	Rated Load (lbs)
Radius (ft) 32.0 34.0 36.0	79.1 77.1	30 t O set Al Rated Load (lbs) 24,000* 24,000* 24,000*	ft Jib ngle (d Load Radius	30 Boom Angle	Rated Load	Radius (ft) 36.0 38.0 40.0	79.3 78.4 77.5 75.2 72.9	Rated Load (lbs) 24,000* 24,000*	ngle (d Load Radius	30 Boom Angle	Rated Load	Radius (ft) 38.0 40.0 45.0	80.0 79.2 77.1	Rated Load (lbs) 20,000* 20,000* 20,000*	ngle (d Load Radius	30 Boom Angle (deg.) 78.9	Load	### Adius (ft) 45.0 50.0 55.0	78.6 74.5	Rated Load (lbs) 18,000* 16,970*	Load Radius (ft)	30 Boom Angle (deg.)	Rated Load (lbs)
Radius (ft) 32.0 34.0 36.0 38.0 40.0 45.0 50.0	79.1 78.1 77.1 76.2 75.2 70.2	30 f Set Al Set Al Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	Load Radius (ft) 40.0 45.0 50.0	30 Boom Angle (deg.) 79.5 77.0 74.4	Pated Load (lbs) 21,000* 21,000* 20,100*	Radius (ft) 36.0 38.0 40.0 45.0 50.0 60.0	70.4 Boom Angle (deg.) 79.3 78.4 77.5 75.2 72.9 70.4 68.1	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 23,890* 22,020*	Load Radius (ft) 50.0 55.0 60.0	30 Boom Angle (deg.) 78.2 75.6 73.2	Rated Load (lbs) 14,810* 14,020* 13,330*	Radius (ft) 38.0 40.0 45.0 50.0 60.0 65.0	80.0 79.2 77.1 75.0 72.7 70.5 68.3	Rated Load (lbs) 20,000* 20,000* 20,000* 19,550* 18,000* 16,730*	Load Radius (ft) 55.0 60.0 65.0	30 Boom Angle (deg.) 78.9 76.7 74.4	11,300* 10,730* 10,250*	### Radius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0	78.6 76.6 74.5 70.5 68.4 66.1	Pated Load (lbs) 18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520*	Load Radius (ft) 60.0 65.0 70.0 75.0	30 Boom Angle (deg.) 79.5 77.4 75.3 72.9	9,100* 8,660* 8,240* 7,870*
7 Padius (ft) 32.0 34.0 36.0 38.0 40.0 45.0	79.1 78.1 76.2 72.7	30 f O set Al O set Al Dad Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	Load Radius (ft) 40.0 45.0	30 Boom Angle (deg.) 79.5 77.0	Rated Load (lbs) 21,000* 21,000*	Radius (ft) 36.0 38.0 40.0 45.0 50.0	79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	Load Radius (ft)	30 Boom Angle (deg.) 78.2 75.6	Rated Load (lbs) 14,810* 14,020*	38.0 40.0 45.0 50.0 60.0	80.0 79.2 77.1 75.0 72.7	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,550* 18,000*	Load Radius (ft) 55.0 60.0	30 Boom Angle (deg.) 78.9 76.7	Load (lbs) 11,300* 10,730*	45.0 50.0 55.0 60.0 65.0 70.0	78.6 76.6 74.5 70.5 68.4	Rated Load (lbs) 18,000* 18,000* 16,970* 15,630* 14,460* 13,470*	Load Radius (ft) 60.0 65.0 70.0	30 Boom Angle (deg.) 79.5 77.4 75.3	### Pated Load (lbs) 9,100* 8,660* 8,240*
32.0 34.0 36.0 38.0 40.0 45.0 50.0 60.0 65.0	70.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2	30 f Set Al O set Al Cload (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	Load Radius (ft) 40.0 45.0 55.0 60.0 65.0	30 Boom Angle (deg.) 79.5 77.0 74.4 71.6 68.9 66.1	21,000* 21,000* 21,000* 20,100* 19,020* 18,120* 17,320*	Radius (ft) 36.0 38.0 40.0 45.0 50.0 55.0 60.0 70.0 75.0	79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4	Rated Load (fbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040* 17,760*	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0	78.2 75.6 73.2 768.1 65.3	14,810* 14,020* 13,330* 12,760* 12,230* 11,720*	8.00 40.0 45.0 55.0 60.0 75.0 80.0 80.0	### 100 Properties of the content of	Rated Load (fbs) 20,000* 20,000* 20,000* 20,000* 19,550* 18,000* 15,580* 14,520* 13,660*	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0	30 Boom Angle (deg.) 78.9 76.7 74.4 72.0 69.5 67.0	11,300* 10,730* 10,250* 9,780* 9,360* 8,990*	### Radius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5	Rated Load (lbs) 18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770* 11,080* 10,470*	60.0 65.0 70.0 80.0 85.0 90.0	79.5 77.4 75.3 72.9 70.7 68.4 66.0	9,100* 8,660* 8,240* 7,870* 7,230* 6,960*
Radius (ft) 32.0 34.0 36.0 38.0 40.0 45.0 50.0 60.0	79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4	30 f Set Al O set Al D set Al	Load Radius (ft) 40.0 45.0 50.0 60.0	30 Boom Angle (deg.) 79.5 77.0 74.4 71.6 68.9	21,000* 21,000* 21,000* 20,100* 19,020* 18,120*	Radius (ft) 36.0 38.0 40.0 45.0 50.0 65.0 70.0	79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 57.8	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040*	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0	30 Boom Angle (deg.) 78.2 75.6 73.2 70.7 68.1	Pated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230*	8.0 40.0 45.0 55.0 60.0 70.0 75.0	70 Boom Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,550* 18,000* 15,580* 14,520*	Load Radius (ft) 55.0 60.0 65.0 70.0	30 Boom Angle (deg.) 78.9 76.7 74.4 72.0 69.5 67.0	11,300* 10,730* 10,250* 9,780* 9,360*	### Radius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	78.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8	Pated Load (lbs) 18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770* 11,080*	100	30 Boom Angle (deg.) 79.5 77.4 75.3 72.9 70.7 68.4	9,100* 8,660* 8,240* 7,870* 7,230*
Radius (ft) 32.0 34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	70.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 53.5	30 f Set Al O set Al O set Al Cload (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000* 21,000*	40.0 45.0 50.0 65.0 70.0 80.0	79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	21,000* 21,000* 21,000* 20,100* 19,020* 18,120* 17,320* 16,620* 15,960* 15,430*	Radius (ft) 36.0 38.0 40.0 45.0 50.0 65.0 60.0 75.0 80.0 85.0 90.0	70.4 70.4 70.4 70.4 70.4 68.1 65.6 63.2 60.4 57.8 55.1 52.3	Rated Load (fbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040* 17,760* 16,730* 14,740	50.0 55.0 60.0 65.0 70.0 80.0 85.0 90.0	78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	14,810* 14,020* 13,330* 12,760* 11,720* 11,300* 10,930* 10,580*	8.0 40.0 45.0 55.0 60.0 75.0 85.0 90.0 95.0	80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 53.6	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,550* 16,730* 15,580* 14,520* 13,660* 12,890* 11,570*	Load Radius (ft) 55.0 60.0 65.0 70.0 85.0 90.0 95.0	78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9	11,300* 10,730* 10,250* 9,780* 9,360* 8,990* 8,680* 8,370* 8,110*	### Radius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 105.0	78.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7	Pated Load (lbs) 18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770* 11,080* 10,470* 9,890* 9,390* 8,950*	60.0 65.0 70.0 75.0 85.0 90.0 95.0	30 Boom Angle (deg.) 79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3	9,100* 8,660* 8,240* 7,870* 7,230* 6,960* 6,700* 6,480* 6,280*
Redius (ft) 32.0 34.0 36.0 38.0 40.0 45.0 65.0 65.0 75.0 80.0 85.0 90.0	79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 53.5 50.4 47.1	30 f Set Al O set Al O set Al Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 18,620 17,080 15,760 14,570	40.0 45.0 50.0 60.0 70.0 75.0	79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2	21,000* 21,000* 21,000* 20,100* 19,020* 18,120* 16,620* 15,960*	Radius (ft) 36.0 38.0 40.0 45.0 50.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0	79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 57.8 55.1 52.3 49.1 46.0	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040* 17,760* 16,730* 14,740 13,620 12,690	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7	14,810* 14,020* 13,330* 12,760* 12,230* 11,720* 11,300* 10,930*	8.0 40.0 45.0 50.0 65.0 70.0 85.0 85.0 90.0	70.5 68.3 66.1 63.6 50.9 48.0	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,550* 18,000* 15,580* 14,520* 13,660* 12,890* 11,570* 11,020* 10,530*	Load Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1	11,300* 10,730* 10,250* 9,780* 9,360* 8,990* 8,680* 8,370*	### Radius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0	76.6 76.6 74.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7	Pated Load (lbs) 18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770* 11,080* 10,470* 9,890* 9,390* 8,950* 8,550* 8,150*	60.0 65.0 70.0 85.0 90.0 100.0	30 Boom Angle (deg.) 79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9	9,100* 8,660* 8,240* 7,870* 7,230* 6,960* 6,700* 6,480*
Redius (ft) 32.0 34.0 36.0 40.0 45.0 55.0 60.0 70.0 75.0 80.0 85.0 90.0 95.0	79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 47.1 43.4	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,0	40.0 45.0 50.0 65.0 70.0 80.0	79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	21,000* 21,000* 21,000* 20,100* 19,020* 18,120* 17,320* 16,620* 15,960* 15,430*	Radius (ft) 36.0 38.0 40.0 45.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 57.8 55.1 52.3 49.1 46.0 42.7	Rated Load (fbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040* 17,760* 16,730* 14,740 13,620 12,690 11,860	50.0 55.0 60.0 65.0 70.0 80.0 85.0 90.0	78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	14,810* 14,020* 13,330* 12,760* 11,720* 11,300* 10,930* 10,580*	8.0 40.0 45.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0	70 Boom Angle (deg.) 80.0 79.2 77.1 75.0 68.3 66.1 63.6 61.3 58.8 553.6 50.9 48.0 45.1	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,550* 18,000* 15,580* 14,520* 13,660* 12,890* 12,210* 11,570* 11,020* 10,530* 10,070*	Load Radius (ft) 55.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0	78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1	11,300* 10,730* 10,250* 9,780* 9,360* 8,990* 8,680* 8,370* 8,110* 7,870*	### Radius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 105.0 115.0 120.0	76.6 74.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7 43.8	Pated Load (lbs) 18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770* 11,080* 10,470* 9,890* 9,390* 8,950* 8,550* 8,150* 7,820*	Load Radius (t) 60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0 110.0	79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5	9,100* 8,660* 8,240* 7,870* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100*
Redius (ft) 32.0 34.0 36.0 38.0 40.0 45.0 65.0 65.0 75.0 80.0 85.0 90.0	79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 53.5 50.4 47.1	30 f Set Al O set Al O set Al Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 18,620 17,080 15,760 14,570	40.0 45.0 50.0 65.0 70.0 80.0	79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	21,000* 21,000* 21,000* 20,100* 19,020* 18,120* 17,320* 16,620* 15,960* 15,430*	Radius (ft) 36.0 38.0 40.0 45.0 50.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0	79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 57.8 55.1 52.3 49.1 46.0 42.7 39.1	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040* 17,760* 16,730* 14,740 13,620 12,690	50.0 55.0 60.0 65.0 70.0 80.0 85.0 90.0	78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	14,810* 14,020* 13,330* 12,760* 11,720* 11,300* 10,930* 10,580*	Redius (ft) 38.0 40.0 45.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0	70 Boom Angle (deg.) 80.0 79.2 77.1 75.0 68.3 66.1 63.6 61.3 58.8 553.6 50.9 48.0 45.1 41.7 38.2	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,550* 18,000* 15,580* 14,520* 12,210* 11,570* 11,020* 10,530* 10,070* 9,650* 9,300*	Load Radius (ft) 55.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0	78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1	11,300* 10,730* 10,250* 9,780* 9,360* 8,990* 8,680* 8,370* 8,110* 7,870*	Radius (t) 45.0 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 125.0 125.0 130.0	76.6 74.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7 43.8 40.7 37.4	Pated Load (lbs) 18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770* 11,080* 10,470* 9,890* 9,390* 8,950* 8,550* 8,150* 7,820* 7,530* 7,270*	Load Radius (t) 60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0 110.0	79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5	9,100* 8,660* 8,240* 7,870* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100*
Redius (tt) 32.0 34.0 36.0 38.0 40.0 45.0 50.0 65.0 60.0 775.0 80.0 85.0 90.0 100.0 105.0	79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 47.1 43.4 39.7	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,0	40.0 45.0 55.0 60.0 75.0 88.0	79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1	21,000* 21,000* 21,000* 20,100* 19,020* 18,120* 17,320* 16,620* 15,960* 15,430*	Padius (t) 36.0 38.0 40.0 45.0 55.0 60.0 75.0 80.0 99.0 100.0 115.0	79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 57.8 55.1 52.3 49.1 46.0 42.7 39.1	Rated Load (fbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,020* 20,410* 19,040* 17,760* 15,800* 14,740 13,620 12,690 11,860 11,080	1000 (ngle (78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7	14,810* 14,020* 13,330* 12,760* 11,720* 11,300* 10,930* 10,580*	Redius (ft) 38.0 40.0 45.0 55.0 60.0 65.0 75.0 80.0 99.0 105.0 115.0 125.0	70 Boom Angle (deg.) 80.0 79.2 77.1 75.0 68.3 66.1 63.6 61.3 58.8 553.6 50.9 48.0 45.1 41.7	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,550* 18,000* 15,580* 14,520* 12,890* 12,210* 11,570* 11,020* 10,530* 10,070* 9,650*	Load Radius (ft) 55.0 60.0 65.0 70.0 80.0 99.0 105.0	78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1	11,300* 10,730* 10,250* 9,780* 9,360* 8,990* 8,680* 8,370* 8,110* 7,870*	Padius (ft) 45.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 105.0 115.0 120.0 135.0	76.6 74.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7 43.8 40.7	Pated Load (lbs) 18,000* 18,000* 16,970* 15,630* 14,460* 13,470* 12,520* 11,770* 11,080* 10,470* 9,890* 9,390* 8,950* 8,550* 8,150* 7,820* 7,530*	Load Radius (ft)	79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5	9,100* 8,660* 8,240* 7,870* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100*

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

	100)' Boo													, ,,						C. "'		
			t Jib	dog 1					t Jib	dog \					t Jib	log l					ft Jib	dog 1	
	10		ngle (d	ieg.) 30)		10		ngle (d	1eg.) 30			10) set Ai	ngle (c	ieg.) 30			10		ngle (d	1eg.) 30	
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
32.0	79.9	24,000*				36.0	80.0	24,000*				40.0	79.9	20,000*				45.0	79.3	18,000*			
34.0 36.0	79.0 78.1	24,000 * 24,000*				38.0 40.0	79.2 78.4	24,000 * 24,000*				45.0 50.0	78.0 76.0	20,000 * 20,000*				50.0 55.0	77.5 75.5	18,000 * 17,720*			
38.0	77.2	24,000*				45.0	76.3	24,000*				55.0	73.9	20,000*	55.0	79.7	11,500*	60.0	73.7	16,350*			
40.0 45.0	76.4 74.1	24,000* 24,000 *	45.0	78.0	21,000*	50.0 55.0	74.2 71.9	24,000* 24,000 *	50.0 55.0	79.1 76.7	15,100* 14,320 *	60.0 65.0	71.9 69.9	18,930* 17,590 *	60.0 65.0	77.7 75.5	10,950* 10,470 *	65.0 70.0	71.8 69.9	15,160* 14,130 *	65.0 70.0	78.3 76.3	8,810* 8,420 *
50.0	71.8	24,000*	50.0	75.7	20,650*	60.0	69.7	23,280*	60.0	74.5	13,660*	70.0	67.8	16,420*	70.0	73.4	10,470	75.0	67.8	13,160*	75.0	74.2	8,040*
55.0	69.3	24,000*	55.0	73.2	19,570*	65.0	67.5	21,620*	65.0	72.2	13,090*	75.0	65.6	15,340*	75.0	71.1	9,610*	80.0	65.8	12,360*	80.0	72.1	7,710*
60.0 65.0	67.0 64.5	24,000* 22,440	60.0 65.0	70.7 68.2	18,690* 17,900 *	70.0 75.0	65.3 62.8	20,190* 18,620	70.0 75.0	69.9 67.3	12,560* 12,050 *	80.0 85.0	63.4 61.2	14,440* 13,640 *	80.0 85.0	68.8 66.5	9,230* 8,920 *	85.0 90.0	63.8 61.7	11,660* 11,040 *	85.0 90.0	70.0 67.9	7,420* 7,160 *
70.0	62.1	20,320	70.0	65.7	17,190*	80.0	60.4	17,060	80.0	64.9	11,640*	90.0	59.0	12,910*	90.0	64.2	8,610*	95.0	59.5	10,420*	95.0	65.5	6,900*
75.0	59.4	18,400	75.0	62.9	16,510*	85.0	58.0	15,710	85.0	62.4	11,260*	95.0	56.5	12,230*	95.0	61.6	8,330*	100.0	57.3	9,920*	100.0	63.2	6,670*
80.0 85.0	56.7 54.0	16,860 15,520	80.0 85.0	60.2 57.4	15,960* 15,450 *	90.0 95.0	55.5 52.8	14,500 13,380	90.0 95.0	59.8 56.9	10,910* 10,580 *	100.0 105.0	54.1 51.6	11,660* 11,150 *	100.0 105.0	59.1 56.4	8,090* 7,870 *	105.0 110.0	55.1 52.7	9,450* 9,030 *	105.0 110.0	60.9 58.4	6,450* 6,280 *
90.0	51.2	14,320	90.0	54.5	14,570	100.0	50.1	12,450	100.0	54.0	10,310*	110.0	49.0	10,670*	110.0	53.7	7,690*	115.0	50.2	8,610*	115.0	55.7	6,100*
95.0	48.1	13,220	95.0	51.2	13,420	105.0	47.2	11,590				115.0	46.1	10,200*				120.0	47.7	8,280 * 7,950*	120.0	53.1	5,950*
100.0 105.0	45.0 41.7	12,270 11,460				110.0 115.0	44.3 40.9	10,840 10,110				120.0 125.0	43.2 40.2	9,590 9,010				125.0 130.0	45.1 42.3	7,930** 7,670 *			
110.0	38.1	10,690				120.0	37.4	9,470				130.0	36.8	8,480				135.0	39.4	7,400*			
115.0	34.0	9,980				125.0	33.7	8,860*				135.0	33.2	7,800*				140.0 145.0	35.9 32.4	7,140 * 6,810*			
Ree	ves	1	Ree	WAS .	1	Ree	WAS.	1	Ree	ves	1	Poo	ves	1	Roo	ves	1	Ree	ves	1	Ree	WAS	1
	110)' Boo		100	-	1400	VC3	'	1400			Nec	ves	'	1400	703	•	1.00		-		703	
		30 f	m t Jib			Tec		40 f	t Jib			Nec		50 f	t Jib						ft Jib		
	(30 f O set Ai	m t Jib	deg.)		Tec	(40 f		deg.)		Nec	(50 f		leg.)			(O set A		deg.)	
Load Radius (ft)		30 f O set Ai	m t Jib	deg.) 30 Boom Angle		Load Radius (ft)	10 Boom Angle	40 f O set Ai	t Jib	deg.) 30 Boom Angle	Rated Load (lbs)	Load Radius (ft)	10 Boom Angle	50 f	t Jib			Load Radius (ft)	10 Boom Angle	O set A	ft Jib	deg.) 30 Boom	Rated Load (lbs)
Radius (ft) 34.0	Boom Angle (deg.)	30 f O set Al Pated Load (lbs) 24,000*	m ft Jib ngle (d Load Radius	deg.) 30 Boom	Rated Load	Load Padius (ft) 38.0	10 Boom Angle (deg.) 79.9	A0 f O set Ai Rated Load (lbs) 24,000*	t Jib ngle (c Load Radius	deg.) 30 Boom	Rated Load	Load Padius (ft) 45.0	10 Boom Angle (deg.) 78.8	Fated Load (lbs) 20,000*	ft Jib ngle (c	leg.) 30 Boom Angle	Rated Load	Load Radius (ft) 45.0	Boom Angle (deg.) 80.0	Rated Load (lbs) 18,000*	ft Jib ngle (d Load Radius	deg.) 30 Boom Angle	Rated Load
74.0 34.0 36.0	79.8 79.0	30 f O set Ai Pated Load (lbs) 24,000* 24,000*	m ft Jib ngle (d Load Radius	deg.) 30 Boom Angle	Rated Load	Load Radius (ft) 38.0 40.0	10 Boom Angle (deg.) 79.9 79.2	## April 20 Set Air Pated Load (lbs) 24,000*	t Jib ngle (c Load Radius	deg.) 30 Boom Angle	Rated Load	Load Radius (ft) 45.0 50.0	78.8 76.9	50 f D set Al Rated Load (lbs) 20,000*	ft Jib ngle (c	leg.) 30 Boom Angle	Rated Load	Load Radius (ft) 45.0 50.0	10 Boom Angle (deg.) 80.0 78.3	Rated Load (lbs) 18,000*	ft Jib ngle (d Load Radius	deg.) 30 Boom Angle	Rated Load
Radius (ft) 34.0	Boom Angle (deg.)	30 f O set Al Pated Load (lbs) 24,000*	m ft Jib ngle (d Load Radius	deg.) 30 Boom Angle	Rated Load	Load Padius (ft) 38.0	10 Boom Angle (deg.) 79.9	A0 f O set Ai Rated Load (lbs) 24,000*	Et Jib Ingle (d Load Radius (ft)	deg.) 30 Boom Angle	Rated Load	Load Padius (ft) 45.0	10 Boom Angle (deg.) 78.8	Fated Load (lbs) 20,000*	ft Jib ngle (c	Jeg.) 30 Boom Angle (deg.)	Rated Load	Load Radius (ft) 45.0	Boom Angle (deg.) 80.0	Rated Load (lbs) 18,000*	ft Jib ngle (d Load Radius	deg.) 30 Boom Angle	Rated Load
34.0 36.0 38.0 40.0 45.0	79.8 79.0 779.3 779.3	30 f O set Al Rated Load (lbs) 24,000* 24,000* 24,000* 24,000*	m ft Jib ngle (d Load Radius (ft)	deg.) 30 Boom Angle (deg.) 79.0	Rated Load (lbs)	Load Radius (ft) 38.0 40.0 45.0 50.0	79.9 79.2 77.2 75.3 73.2	### Automatical Part	Load Radius (ft) 50.0 55.0	30 Boom Angle (deg.) 79.9 77.7	Rated Load (lbs) 15,360* 14,610*	Load Radius (ft) 45.0 50.0 60.0 65.0	78.8 76.9 75.0 71.2	50 f D set Al D set Al D set Al D set Al Load (lbs) 20,000* 20,000* 19,810* 18,430*	Load Radius (ft) 60.0 65.0	30 Boom Angle (deg.) 78.5 76.5	Rated Load (lbs) 11,150* 10,670*	Load Radius (ft) 45.0 50.0 55.0 60.0 65.0	80.0 78.3 76.4 74.7 72.9	Rated Load (lbs) 18,000* 18,000* 18,000* 17,040* 15,820*	ft Jib ngle (continue) Load Radius (ft)	30 Boom Angle (deg.)	Rated Load (lbs)
34.0 36.0 38.0 40.0	79.8 79.0 78.2	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	m Et Jib ngle (d Load Radius (ft)	30 Boom Angle (deg.) 79.0 76.8	Rated Load (lbs)	Load Radius (ft) 38.0 40.0 45.0 50.0	79.9 79.2 77.2	### Automatical Part	Load Radius (ft)	30 Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft) 45.0 50.0 60.0	78.8 76.9 73.1	50 f D set Al Pated Load (lbs) 20,000* 20,000* 19,810*	Et Jib Ingle (continue) Load Radius (ft)	Jeg.) 30 Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft) 45.0 50.0 55.0 60.0	10 Boom Angle (deg.) 80.0 78.3 76.4 74.7	Rated Load (lbs) 18,000* 18,000* 18,000* 17,040*	ft Jib ngle (d Load Radius (ft)	30 Boom Angle (deg.) 79.1 77.2	Rated Load (lbs)
84.0 36.0 38.0 40.0 45.0 50.0 60.0	79.8 79.0 78.2 77.3 75.3 73.2 70.9 68.7	30 f 2 set Al Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	Et Jib Ingle (d Load Radius (ft) 45.0 50.0 60.0	79.0 76.8 72.2	Rated Load (lbs) 21,000* 21,000* 20,100* 19,220*	Load Radius (ft) 38.0 40.0 45.0 50.0 65.0 70.0	79.9 79.2 77.2 75.3 73.2 71.2 69.1 67.1	### Automatical Particular Partic	50.0 55.0 60.0 70.0	79.9 77.7 75.6 73.5	Rated Load (lbs) 15,360* 14,610* 13,970* 13,400* 12,870*	Load Radius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	78.8 76.9 75.0 73.1 71.2 69.3 67.2 65.2	Fated Load (fbs) 20,000* 20,000* 20,000* 19,810* 17,230* 16,110* 15,160*	60.0 65.0 75.0 80.0	78.5 76.5 74.6 72.4 70.4	Pated Load (lbs) 11,150* 10,670* 10,250* 9,830* 9,470*	Load Radius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3	Pated Load (lbs) 18,000* 18,000* 17,040* 15,820* 14,770* 13,800* 12,960*	ft Jib ngle (d Load Radius (ft) 65.0 70.0 75.0 80.0	79.1 77.2 75.2	Rated Load (lbs) 8,970* 8,570* 8,200* 7,890*
Radius (ft) 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0	79.8 79.0 78.2 77.3 75.3 73.2 70.9 68.7 66.5	30 f 2 set Al Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	## Total Control of the Control of t	79.0 76.8 74.5 72.2	Pated Load (lbs) 21,000* 21,000* 20,100* 19,220* 18,430*	Load Radius (ft) 38.0 40.0 45.0 50.0 60.0 65.0 70.0 75.0	79.9 79.2 77.2 75.3 73.2 71.2 69.1 67.1 64.8	## Au function Au function	50.0 55.0 60.0 75.0	79.9 77.7 75.6 73.5 71.4 69.1	### Rated Load (lbs) 15,360* 14,610* 13,970* 13,400* 12,870* 12,380*	Load Radius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	78.8 76.9 75.0 73.1 71.2 69.3 67.2 65.2 63.2	Fated Load (fbs) 20,000* 20,000* 20,000* 19,810* 17,230* 16,110* 15,160* 14,350*	60.0 65.0 75.0 85.0 85.0	78.5 76.5 74.6 72.4 70.4 68.3	Fated Load (lbs) 11,150* 10,670* 10,250* 9,830* 9,470* 9,140*	Load Radius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	76.4 74.7 72.9 71.1 69.2 65.5	Pated Load (lbs) 18,000* 18,000* 18,000* 17,040* 15,820* 14,770* 13,800* 12,960* 12,230*	65.0 70.0 85.0 85.0	79.1 75.2 71.4	Rated Load (lbs) 8,970* 8,570* 8,200* 7,890* 7,580*
Radius (ft) 34.0 36.0 38.0 40.0 45.0 50.0 65.0 60.0 70.0 75.0	79.8 79.0 78.2 77.3 75.3 73.2 70.9 68.7	30 f 2 set Al Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	Et Jib Ingle (d Load Radius (ft) 45.0 50.0 60.0	79.0 76.8 74.5 72.2 70.0 67.7	Rated Load (lbs) 21,000* 21,000* 20,100* 19,220*	Load Radius (ft) 38.0 40.0 45.0 50.0 65.0 70.0	79.9 79.2 77.2 75.3 73.2 71.2 69.1 67.1	## A0 f Set Ai S	50.0 55.0 60.0 70.0	79.9 77.7 75.6 73.5 71.4 66.9 64.6	75,360* 14,610* 13,970* 13,400* 12,870* 12,380* 11,940* 11,570*	Load Radius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	78.8 76.9 73.1 71.2 69.3 67.2 65.2 63.2 61.2	Rated Load (fbs) 20,000* 20,000* 20,000* 19,810* 17,230* 16,110* 14,350* 13,600* 12,890*	60.0 65.0 75.0 80.0	78.5 76.5 74.6 72.4 70.4	### Rated Load (lbs) 11,150* 10,670* 10,250* 9,830* 9,470* 9,140* 8,840* 8,550*	Load Radius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3	Pated Load (lbs) 18,000* 18,000* 17,040* 15,820* 14,770* 13,800* 12,960*	65.0 70.0 85.0 90.0 95.0	79.1 77.2 75.2 73.3 71.4 69.4 67.2	Rated Load (lbs) 8,970* 8,570* 8,200* 7,890* 7,580* 7,310* 7,050*
Radius (ft) 34.0 36.0 38.0 40.0 45.0 50.0 65.0 60.0 75.0 80.0	79.8 79.0 79.8 79.0 78.2 77.3 73.2 70.9 68.7 66.5 64.3 61.8 59.4	30 f 2 set Al Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,260 20,150 18,230 16,680	Load Radius (ft) 45.0 50.0 60.0 75.0 80.0	79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7	21,000* 21,000* 21,000* 20,100* 19,220* 18,430* 17,700* 16,460*	Load Radius (ft) 38.0 40.0 45.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0	79.9 79.2 77.2 75.3 73.2 71.2 69.1 64.8 62.7 60.5 58.2	## A0 f Set Ai S	Load Radius (ft) 50.0 55.0 60.0 75.0 80.0 85.0 90.0	79.9 77.7 75.6 73.5 71.4 69.1 66.9 64.6 62.2	75,360* 14,610* 13,970* 13,400* 12,870* 12,380* 11,940* 11,570* 11,220*	Load Radius (ft) 45.0 45.0 65.0 65.0 65.0 80.0 85.0 90.0 95.0 100.0	78.8 75.0 73.1 71.2 69.3 67.2 65.2 63.2 58.9 56.7	Rated Load (fbs) 20,000* 20,000* 20,000* 19,810* 17,230* 16,110* 14,350* 13,600* 12,890* 12,300*	60.0 65.0 75.0 80.0 95.0 100.0	78.5 76.5 74.6 72.4 70.4 68.3 66.1 63.8 61.5	Fated Load (lbs) 11,150* 10,670* 10,250* 9,830* 9,470* 9,140* 8,840* 8,550* 8,310*	Load Radius (ft) 45.0 50.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	70 Boom Angle (deg.) 80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 63.6 61.5 59.5	Pated Load (lbs) 18,000* 18,000* 18,000* 17,040* 15,820* 14,770* 13,800* 12,960* 12,230* 11,590* 10,950* 10,420*	65.0 70.0 85.0 90.0 100.	79.1 77.2 75.2 73.3 71.4 69.4 67.2 65.2	Rated Load (lbs) 8,970* 8,570* 8,200* 7,580* 7,580* 7,050* 6,830*
Radius (ft) 34.0 36.0 38.0 40.0 45.0 50.0 65.0 60.0 70.0 75.0	79.8 79.0 79.8 79.0 78.2 77.3 75.3 73.2 70.9 68.7 66.5 64.3 61.8	30 f 2 set Al Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 18,230 16,680 15,340	Load Radius (ft) 45.0 60.0 65.0 75.0 75.0	79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7	21,000* 21,000* 21,000* 20,100* 19,220* 18,430* 17,700* 17,040*	Load Radius (ft) 38.0 40.0 45.0 55.0 60.0 65.0 75.0 80.0 85.0	79.9 77.2 75.3 73.2 71.2 69.1 67.1 64.8 62.7 60.5 58.2 55.7	## A0 f Set Ai Set Ai Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 25,000 18,450 16,880 15,520 14,320 13,200	Load Radius (ft) 50.0 55.0 60.0 75.0 80.0 85.0	79.9 77.7 75.6 73.5 71.4 66.9 64.6	75,360* 14,610* 13,970* 13,400* 12,870* 12,380* 11,940* 11,570*	Load Radius (ft) 45.0 65.0 65.0 65.0 775.0 80.0 85.0 90.0 95.0	78.8 76.9 75.0 73.1 71.2 69.3 67.2 65.2 63.2 61.2 58.9 56.7 54.5	Fated Load (lbs) 20,000* 20,000* 20,000* 19,810* 18,430* 17,230* 16,110* 14,350* 12,890* 12,300* 11,530	60.0 65.0 75.0 80.0 95.0	78.5 76.5 74.6 72.4 70.4 68.3 66.1 63.8	### Rated Load (lbs) 11,150* 10,670* 10,250* 9,830* 9,470* 9,140* 8,840* 8,550*	Load Radius (ft) 45.0 50.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	70 Boom Angle (deg.) 80.0 78.3 76.4 74.7 72.9 77.1.1 69.2 67.3 65.5 63.6 61.5	Pated Load (lbs) 18,000* 18,000* 18,000* 17,040* 15,820* 14,770* 13,800* 12,960* 12,230* 11,590* 10,950* 10,420* 9,940*	65.0 70.0 85.0 90.0 95.0	79.1 77.2 75.2 73.3 71.4 69.4 67.2 65.2 63.0	Rated Load (lbs) 8,970* 8,570* 8,200* 7,890* 7,580* 7,310* 7,050*
Radius (ft) 34.0 36.0 38.0 40.0 45.0 55.0 60.0 75.0 80.0 85.0 90.0 95.0	79.8 79.0 79.8 79.0 78.2 77.3 75.3 73.2 70.9 68.7 66.5 64.3 61.8 59.4 57.0 54.5 51.8	30 f 2 set Al Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,260 20,150 18,230 16,680 15,340 14,150 13,020	Load Radius (ft) 45.0 50.0 60.0 75.0 80.0 85.0 90.0	79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7 60.2 54.8	21,000* 21,000* 21,000* 20,100* 19,220* 18,430* 17,700* 16,460* 15,650 14,440 13,270	Load Radius (ft) 38.0 40.0 45.0 55.0 60.0 65.0 70.0 85.0 99.0 100.0 105.0	79.2 77.2 77.2 77.2 77.2 77.2 69.1 67.1 64.8 62.7 60.5 58.2 55.7 53.3 50.8	## A0 f ## Set AI ## Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,500 15,520 14,320 13,200 12,250 11,410	Load Radius (ft) 50.0 55.0 60.0 75.0 80.0 95.0 100.0 105.0	79.9 77.7 75.6 73.5 71.4 66.9 64.6 62.2 59.7 57.1 54.5	### Pated Load (lbs) 15,360* 14,610* 13,970* 13,400* 12,870* 11,570* 11,570* 10,890* 10,600* 10,330*	Load Radius (ft) 45.0 50.0 65.0 60.0 75.0 80.0 85.0 90.0 9100.0 1115.0	76.9 776.9 776.9 776.9 73.1 71.2 69.3 67.2 65.2 63.2 61.2 58.9 56.7 54.5 52.2 49.6	Rated Load (/lbs) 20,000* 20,000* 20,000* 19,810* 17,230* 16,110* 14,350* 12,890* 12,300* 11,530 10,780 10,030	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 100.0 105.0	78.5 76.5 74.6 72.4 70.4 68.3 66.1 63.8 61.5 59.2	### Rated Load (lbs) 11,150* 10,670* 10,250* 9,830* 9,470* 9,140* 8,840* 8,550* 8,310* 8,090*	Load Radius (ft) 45.0 50.0 65.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 110.0 115.0	71.0 (deg.) 878.3 76.4 74.7 72.9 67.3 65.5 63.6 61.5 59.5 57.5 55.4 53.1	Pated Load (lbs) 18,000* 18,000* 18,000* 17,040* 15,820* 14,770* 13,800* 12,960* 12,230* 11,590* 10,950* 10,420* 9,940* 9,500* 9,080*	65.0 70.0 85.0 90.0 105.0 115.0 115.0	79.1 77.2 75.2 76.2 63.0 60.8 58.4	8,970* 8,570* 8,570* 8,200* 7,580* 7,050* 6,630* 6,630* 6,430* 6,260*
Radius (ft) 34.0 36.0 38.0 40.0 45.0 55.0 60.0 75.0 80.0 85.0 90.0 100.0	79.8 79.0 79.8 79.0 78.2 77.3 75.3 73.2 70.9 68.7 66.5 64.3 61.8 59.4 57.0 54.5 51.8 49.1	30 f 2 set Al Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,260 20,150 18,230 16,680 15,340 14,150 13,020 12,100	Load Radius (t) 45.0 50.0 65.0 75.0 80.0 85.0 90.0	79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7 60.2 54.8	21,000* 21,000* 21,000* 20,100* 19,220* 18,430* 17,700* 16,460* 15,650 14,440	Load Radius (ft) 38.0 40.0 45.0 55.0 60.0 65.0 70.0 85.0 99.0 100.0 110.0	79.2 77.2 75.3 73.2 71.2 69.1 67.1 64.8 62.7 60.5 58.2 55.7 53.3 50.8 48.2	## A0 f Pated Load (lbs) 24,000*	Load Radius (ft) 50.0 55.0 60.0 65.0 75.0 80.0 95.0 100.0	79.9 77.7 75.6 73.5 71.4 69.1 66.9 64.6 62.2 59.7	75,360* 15,360* 14,610* 13,970* 13,400* 12,870* 11,570* 11,570* 11,220* 10,890* 10,600*	Load Radius (ft) 45.0 50.0 65.0 60.0 70.0 85.0 90.0 95.0 100.0 115.0 120.0	78.8 76.9 75.0 73.1 71.2 69.3 67.2 65.2 63.2 61.2 58.9 56.7 54.5 52.2 49.6 47.1	Fated Load (/lbs) 20,000* 20,000* 20,000* 19,810* 18,430* 17,230* 14,350* 12,890* 12,300* 11,530 10,780 10,030 9,390	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 100.0 110.0	78.5 76.5 74.6 72.4 70.4 68.3 66.1 63.8 61.5 59.2 56.7	### Rated Load (lbs) 11,150* 10,670* 10,250* 9,830* 9,470* 9,140* 8,840* 8,550* 8,310* 8,090* 7,890*	Load Radius (ft) 45.0 50.0 65.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 115.0 120.0	71.1 69.2 67.3 65.5 63.6 61.5 59.5 57.5 55.4 53.1 50.9	Pated Load (lbs) 18,000* 18,000* 18,000* 17,040* 15,820* 14,770* 13,800* 12,960* 12,230* 11,590* 10,950* 10,420* 9,940* 9,900* 9,080* 8,700*	65.0 70.0 85.0 90.0 115.0 120.0 120.0 120.0	79.1 77.2 75.2 75.2 76.3 71.4 69.4 67.2 65.2 63.0 60.8 58.4 56.1	8,970* 8,570* 8,570* 8,200* 7,580* 7,050* 6,830* 6,630* 6,430* 6,260* 6,100*
Radius (ft) 34.0 36.0 38.0 40.0 45.0 55.0 60.0 75.0 80.0 85.0 90.0 95.0	79.8 79.0 79.8 79.0 78.2 77.3 75.3 73.2 70.9 68.7 66.5 64.3 61.8 59.4 57.0 54.5 51.8 49.1 46.3	30 f 2 set Al Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,260 20,150 18,230 16,680 15,340 14,150 13,020	Load Radius (ft) 45.0 50.0 60.0 75.0 80.0 85.0 90.0	79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7 60.2 54.8	21,000* 21,000* 21,000* 20,100* 19,220* 18,430* 17,700* 16,460* 15,650 14,440 13,270	Load Radius (ft) 38.0 40.0 45.0 55.0 60.0 65.0 70.0 85.0 99.0 100.0 105.0	79.2 77.2 77.2 77.2 77.2 77.2 69.1 67.1 64.8 62.7 60.5 58.2 55.7 53.3 50.8	## A0 f ## Set AI ## Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 22,500 15,520 14,320 13,200 12,250 11,410	Load Radius (ft) 50.0 55.0 60.0 75.0 80.0 95.0 100.0 105.0	79.9 77.7 75.6 73.5 71.4 66.9 64.6 62.2 59.7 57.1 54.5	### Pated Load (lbs) 15,360* 14,610* 13,970* 13,400* 12,870* 11,570* 11,570* 10,890* 10,600* 10,330*	Load Radius (ft) 45.0 50.0 65.0 60.0 75.0 80.0 85.0 90.0 9100.0 1115.0	78.8 76.9 75.0 73.1 71.2 69.3 67.2 65.2 63.2 61.2 58.9 56.7 54.5 52.2 49.6 47.1	Rated Load (/lbs) 20,000* 20,000* 20,000* 19,810* 17,230* 16,110* 14,350* 12,890* 12,300* 11,530 10,780 10,030	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 100.0 110.0	78.5 76.5 74.6 72.4 70.4 68.3 66.1 63.8 61.5 59.2 56.7	### Rated Load (lbs) 11,150* 10,670* 10,250* 9,830* 9,470* 9,140* 8,840* 8,550* 8,310* 8,090* 7,890*	Load Radius (ft) 45.0 50.0 65.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 110.0 115.0	71.0 (deg.) 878.3 76.4 74.7 72.9 67.3 65.5 63.6 61.5 59.5 57.5 55.4 53.1	Pated Load (lbs) 18,000* 18,000* 18,000* 17,040* 15,820* 14,770* 13,800* 12,960* 12,230* 11,590* 10,950* 10,420* 9,940* 9,500* 9,080*	65.0 70.0 85.0 90.0 105.0 115.0 115.0	79.1 77.2 75.2 75.2 76.3 71.4 69.4 67.2 65.2 63.0 60.8 58.4 56.1	Rated Load (lbs) 8,970* 8,570* 8,200* 7,580* 7,050* 6,830* 6,630* 6,430* 6,260*
Radius (ft) 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 75.0 80.0 95.0 100.0 115.0	79.8 79.0 79.8 79.0 78.2 77.3 75.3 75.3 75.3 66.5 64.3 61.8 59.4 57.0 54.5 51.8 49.1 46.3 39.9	30 f 2 set Al Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,000 11,300 11,260 10,510 9,780	Load Radius (ft) 45.0 50.0 60.0 75.0 80.0 85.0 90.0	79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7 60.2 54.8	21,000* 21,000* 21,000* 20,100* 19,220* 18,430* 17,700* 16,460* 15,650 14,440 13,270	Load Radius (tt) 38.0 40.0 45.0 65.0 70.0 75.0 95.0 100.0 115.0 120.0 125.0	79.9 79.2 77.2 75.3 73.2 71.2 69.1 67.1 64.8 62.7 60.5 58.2 55.7 50.8 48.2 45.3 42.5 39.4	## A0 f Pated Load (lbs) 24,000*	Load Radius (ft) 50.0 55.0 60.0 75.0 80.0 95.0 100.0 105.0	79.9 77.7 75.6 73.5 71.4 66.9 64.6 62.2 59.7 57.1 54.5	### Pated Load (lbs) 15,360* 14,610* 13,970* 13,400* 12,870* 11,570* 11,570* 10,890* 10,600* 10,330*	Load Radius (ft) 45.0 50.0 55.0 60.0 65.0 77.0 80.0 85.0 90.0 105.0 115.0 125.0 1330.0 135.0	78.8 76.9 73.1 71.2 69.3 67.2 65.2 63.2 61.2 58.9 56.7 54.5 52.2 49.6 47.1 44.5 41.8 38.8	Fated Load (/lbs) 20,000* 20,000* 19,810* 11,7230* 16,110* 15,160* 14,350* 12,890* 12,300* 11,530 10,780 10,030 9,390 8,810 8,280 7,800	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 100.0 110.0	78.5 76.5 74.6 72.4 70.4 68.3 66.1 63.8 61.5 59.2 56.7	### Rated Load (lbs) 11,150* 10,670* 10,250* 9,830* 9,470* 9,140* 8,840* 8,550* 8,310* 8,090* 7,890*	Load Radius (ft) 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 105.0 115.0 125.0 1330.0	71.1 67.3 67.5 67.5 67.5 67.5 67.5 67.5 67.5 67.5	Pated Load (lbs) 18,000* 18,000* 18,000* 17,040* 15,820* 14,770* 13,800* 12,960* 12,230* 11,590* 10,950* 10,420* 9,940* 9,940* 9,940* 9,8700* 8,370* 8,060* 7,780*	65.0 70.0 85.0 90.0 115.0 120.0 120.0 120.0	79.1 77.2 75.2 75.2 76.3 71.4 69.4 67.2 65.2 63.0 60.8 58.4 56.1	8,970* 8,570* 8,570* 8,200* 7,890* 7,580* 7,050* 6,830* 6,630* 6,430* 6,260* 6,100*
Radius (ft) 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 75.0 80.0 95.0 100.0 110.0	79.8 79.0 79.8 79.0 78.2 77.3 75.3 75.3 73.2 70.9 68.7 66.5 64.3 61.8 59.4 57.0 54.5 51.8 49.1 46.3 39.9 36.5	30 f 2 set Al Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,000 11,300 11,260 10,510	Load Radius (ft) 45.0 50.0 60.0 75.0 80.0 85.0 90.0	79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7 60.2 54.8	21,000* 21,000* 21,000* 20,100* 19,220* 18,430* 17,700* 16,460* 15,650 14,440 13,270	Load Radius (ft) 38.0 40.0 45.0 65.0 65.0 70.0 75.0 95.0 100.0 115.0 115.0 120.0	79.9 77.2 75.3 73.2 71.2 69.1 67.1 64.8 62.7 60.5 58.2 55.7 53.3 50.8 48.2 45.3	## A0 f ## Set AI ## Rated Load (lbs) 24,000* 2	Load Radius (ft) 50.0 55.0 60.0 75.0 80.0 95.0 100.0 105.0	79.9 77.7 75.6 73.5 71.4 66.9 64.6 62.2 59.7 57.1 54.5	### Pated Load (lbs) 15,360* 14,610* 13,970* 13,400* 12,870* 11,570* 11,570* 10,890* 10,600* 10,330*	Load Radius (ft) 45.0 50.0 65.0 65.0 70.0 85.0 90.0 95.0 115.0 125.0 130.0	78.8 76.9 73.1 71.2 69.3 67.2 65.2 63.2 61.2 58.9 56.7 54.5 52.2 49.6 47.1 44.5 41.8 38.8	Fated Load (/lbs) 20,000* 20,000* 19,810* 11,430* 15,160* 14,350* 12,890* 12,300* 11,530 10,780 10,030 9,390 8,810 8,280	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 100.0 110.0	78.5 76.5 74.6 72.4 70.4 68.3 66.1 63.8 61.5 59.2 56.7	### Rated Load (lbs) 11,150* 10,670* 10,250* 9,830* 9,470* 9,140* 8,840* 8,550* 8,310* 8,090* 7,890*	Load Radius (ft) 45.0 50.0 65.0 70.0 75.0 80.0 85.0 90.0 115.0 115.0 125.0 130.0	71.0 Poom Angle (deg.) 80.0 778.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 59.5 55.4 53.1 50.9 48.6 46.2	Pated Load (lbs) 18,000* 18,000* 18,000* 17,040* 15,820* 14,770* 13,800* 12,230* 11,590* 10,950* 10,950* 10,420* 9,940* 9,940* 9,500* 9,080* 8,700* 8,370* 8,370* 8,370* 8,7,380* 7,780*	65.0 70.0 85.0 90.0 115.0 120.0 120.0 120.0	79.1 77.2 75.2 75.2 76.3 71.4 69.4 67.2 65.2 63.0 60.8 58.4 56.1	8,970* 8,570* 8,570* 8,200* 7,580* 7,050* 6,830* 6,630* 6,430* 6,260* 6,100*
Radius (ft) 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 75.0 80.0 95.0 100.0 115.0 120.0	79.8 79.0 79.8 79.0 78.2 77.3 75.3 75.3 73.2 70.9 68.7 66.5 64.3 61.8 59.4 57.0 54.5 51.8 49.1 46.3 39.9 36.5	30 f 2 set Al Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,000 11,300 11,260 10,510 9,780 9,170	Load Radius (ft) 45.0 50.0 60.0 75.0 80.0 85.0 90.0	79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7 60.2 54.8	21,000* 21,000* 21,000* 20,100* 19,220* 18,430* 17,700* 16,460* 15,650 14,440 13,270	Load Radius (tt) 38.0 40.0 45.0 65.0 65.0 70.0 75.0 95.0 100.0 115.0 125.0 130.0 130.0	79.9 79.2 77.2 75.3 73.2 71.2 69.1 67.1 64.8 62.7 60.5 58.2 55.7 50.8 48.2 45.3 42.5 39.4 36.1	## A0 f Set Ai Pated Load (lbs) 24,000* 25,000 10,640 9,920 9,300 8,730 8,200	Load Radius (ft) 50.0 55.0 60.0 75.0 80.0 95.0 100.0 105.0	79.9 77.7 75.6 73.5 71.4 66.9 64.6 62.2 59.7 57.1 54.5	### Pated Load (lbs) 15,360* 14,610* 13,970* 13,400* 12,870* 11,570* 11,570* 10,890* 10,600* 10,330*	Load Radius (ft) 45.0 50.0 55.0 60.0 65.0 77.0 80.0 85.0 90.0 105.0 115.0 125.0 1330.0 135.0	78.8 76.9 73.1 71.2 69.3 67.2 65.2 63.2 61.2 58.9 56.7 54.5 52.2 49.6 47.1 44.5 41.8 38.8	Fated Load (/lbs) 20,000* 20,000* 19,810* 11,7230* 16,110* 15,160* 14,350* 12,890* 12,300* 11,530 10,780 10,030 9,390 8,810 8,280 7,800	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 100.0 110.0	78.5 76.5 74.6 72.4 70.4 68.3 66.1 63.8 61.5 59.2 56.7	### Rated Load (lbs) 11,150* 10,670* 10,250* 9,830* 9,470* 9,140* 8,840* 8,550* 8,310* 8,090* 7,890*	Load Radius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 115.0 115.0 125.0 1330.0 140.0	700 Boom Angle (deg.) 80.0 778.3 76.4 74.7 72.9 67.3 65.5 63.6 61.5 59.5 57.5 55.4 63.6 46.2 43.6 40.8	Pated Load (lbs) 18,000* 18,000* 18,000* 17,040* 15,820* 14,770* 13,800* 12,960* 12,230* 11,590* 10,950* 10,420* 9,940* 9,940* 9,940* 9,8700* 8,370* 8,060* 7,780*	65.0 70.0 85.0 90.0 115.0 120.0 120.0 120.0	79.1 77.2 75.2 75.2 76.3 71.4 69.4 67.2 65.2 63.0 60.8 58.4 56.1	8,970* 8,570* 8,570* 8,200* 7,580* 7,050* 6,830* 6,630* 6,430* 6,260* 6,100*
Radius (ft) 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 75.0 80.0 95.0 100.0 115.0 120.0	79.8 79.0 79.8 79.0 78.2 77.3 75.3 75.3 73.2 70.9 68.7 66.5 64.3 61.8 59.4 57.0 54.5 51.8 49.1 46.3 39.9 36.5	30 f 2 set Al Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,000 11,300 11,260 10,510 9,780 9,170	Load Radius (ft) 45.0 50.0 60.0 75.0 80.0 85.0 90.0	79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7 60.2 54.8	21,000* 21,000* 21,000* 20,100* 19,220* 18,430* 17,700* 16,460* 15,650 14,440 13,270	Load Radius (tt) 38.0 40.0 45.0 65.0 65.0 70.0 75.0 95.0 100.0 115.0 125.0 130.0 130.0	79.9 79.2 77.2 75.3 73.2 71.2 69.1 67.1 64.8 62.7 60.5 58.2 55.7 50.8 48.2 45.3 42.5 39.4 36.1	## A0 f Set Ai Pated Load (lbs) 24,000* 25,000 10,640 9,920 9,300 8,730 8,200	Load Radius (ft) 50.0 55.0 60.0 75.0 80.0 95.0 100.0 105.0	79.9 77.7 75.6 73.5 71.4 66.9 64.6 62.2 59.7 57.1 54.5	### Pated Load (lbs) 15,360* 14,610* 13,970* 13,400* 12,870* 11,570* 11,570* 10,890* 10,600* 10,330*	Load Radius (ft) 45.0 50.0 55.0 60.0 65.0 77.0 80.0 85.0 90.0 105.0 115.0 125.0 1330.0 135.0	78.8 76.9 73.1 71.2 69.3 67.2 65.2 63.2 61.2 58.9 56.7 54.5 52.2 49.6 47.1 44.5 41.8 38.8	Fated Load (/lbs) 20,000* 20,000* 19,810* 11,7230* 16,110* 15,160* 14,350* 12,890* 12,300* 11,530 10,780 10,030 9,390 8,810 8,280 7,800	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 100.0 110.0	78.5 76.5 74.6 72.4 70.4 68.3 66.1 63.8 61.5 59.2 56.7	### Rated Load (lbs) 11,150* 10,670* 10,250* 9,830* 9,470* 9,140* 8,840* 8,550* 8,310* 8,090* 7,890*	Load Radius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 85.0 90.0 910.0 115.0 120.0 135.0 140.0 145.0	70.0 Boom Angle (deg.) 80.0 78.3 76.4 74.7 72.9 67.3 65.5 63.6 61.5 59.5 57.5 55.4 48.6 46.2 43.6 40.8 37.9	Rated Load (lbs) 18,000* 18,000* 18,000* 17,040* 15,820* 14,770* 13,800* 12,230* 11,590* 10,950* 10,420* 9,940* 9,500* 9,080* 8,700* 8,370* 8,060* 7,780* 7,380 6,960	65.0 70.0 85.0 90.0 115.0 120.0 120.0 120.0	79.1 77.2 75.2 75.2 76.3 71.4 69.4 67.2 65.2 63.0 60.8 58.4 56.1	8,970* 8,570* 8,570* 8,200* 7,890* 7,580* 7,050* 6,830* 6,630* 6,430* 6,260* 6,100*

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

Radius Angle Load Radius Angle Load Radius Angle (lbs) Radius Angle (lbs) Radius Angle (lbs) (lbs) Radius Angle (lbs) (lbs) Radius Angle (lbs)	60 ft Jib set Angle (deg.) Rated Load Boom Rat Load (lbs) 18,000* 17,720* 16,460* 15,380* 70.0 78.0 13,550* 80.0 74.4 12,780* 85.0 72.6 7,71 12,120* 90.0 70.7 7,44 11,480* 95.0 66.8 7,0
No. Part P	Set Angle (deg.) 30 30
10 10 10 10 10 10 10 10	Rated Load Radius Angle (lbs)
Radius Angle Load Radius Angle Load Radius Angle (lbs) Radius Radius Angle (lbs) Radius Angle (lbs) Radius Radius Radius Angle (lbs) Radius Radiu	Load (lbs) Radius (ft) Angle (deg.) Load (lb 18,000* 17,720* 16,460* 65.0 79.7 78.0 9,0 15,380* 13,550* 12,780* 12,120* 90.0 70.7 70.7 70.7 70.7 74.4 70.7 70.7 70.7 12,120* 90.0 90.0 70.7 70.7 70.7 70.7 70.7 11,480* 95.0 95.0 68.7 72.6 7.2
(ft) (deg.) (lbs) (ft) (lbs) (lbs) (ft) (lbs) (ft) (lbs) (lbs) (ft) (lbs) (lbs) (lbs) (lbs) (lb	(lbs) (ft) (deg.) (lb 18,000* 18,000* 17,720* 16,460* 65.0 79.7 9,0 15,380* 70.0 78.0 8,7 14,390* 75.0 76.1 8,3 13,550* 80.0 74.4 8,0 12,780* 85.0 72.6 7,7 12,120* 90.0 70.7 7,4 11,480* 95.0 68.7 7,2
38.0 79.0 24,000*	18,000* 17,720* 16,460* 15,380* 70.0 78.0 14,390* 75.0 76.1 8,30 13,550* 80.0 74.4 8,04 12,780* 85.0 72.6 7,73 12,120* 90.0 70.7 7,43 11,480* 95.0 68.7 7,23
40.0 78.2 24,000* 45.0 79.7 21,000* 55.0 74.3 24,000* 55.0 74.5 24,000* 55.0 74.3 24,000* 55.0 74.3 24,000* 55.0 74.3 24,000* 60.0 74.2 20,000* 60.0 79.2 11,330* 65.0 73.9 15.0 73.9 15.0 74.3 24,000* 75.0 74.3 24,000* 75.0 75	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 1 50.0 74.3 24,000* 50.0 77.7 21,000* 60.0 72.4 24,000* 60.0 76.6 14,240* 65.0 72.4 19,240* 65.0 77.4 10,860* 70.0 72.2 1 55.0 72.2 24,000* 55.0 75.6 20,560* 65.0 70.5 22,240 65.0 70.0 70.6 18,010* 70.0 75.0 10,420* 75.0 73.6 10,030* 80.0 68.7 1 65.0 70.0 70.0 72.7 13,160* 75.0 68.7 16,840* 75.0 73.6 10,030* 80.0 68.7 1 65.0 77.0 66.5 18,160* 75.0 76.6 12,670* 80.0 66.8 15,890*	16,460* 65.0 79.7 9,0 15,380* 70.0 78.0 8,7 14,390* 75.0 76.1 8,3 13,550* 80.0 74.4 8,0 12,780* 85.0 72.6 7,7 12,120* 90.0 70.7 7,4 11,480* 95.0 68.7 7,2
55.0 72.2 24,000* 55.0 75.6 20,560* 65.0 70.5 22,240 65.0 70.7 13,690* 70.0 70.6 18,010* 70.0 75.6 10,420* 75.0 70.4 1 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 1 70.0 66.1 19,860 70.0 65.0 75.0 66.5 18,160* 75.0 75.0 66.5 18,160* 75.0 75.0 66.5 18,160* 75.0 75.0 66.5 18,160* 75.0 66.5 18,160* 75.0 66.5 18,160* 80.0 68.5 12,250* 85.0 65.0 15,030* 85.0 69.7 9,340* 90.0 65.2 1 75.0 85.0 66.4 11,860* 90.0 63.1 14,190 90.0	14,390* 75.0 76.1 8,32 13,550* 80.0 74.4 8,04 12,780* 85.0 72.6 7,73 12,120* 90.0 70.7 7,44 11,480* 95.0 68.7 7,23
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 1 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 1 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 1 75.0 63.9 17,940 75.0 67.0 17,500* 85.0 62.5 15,250 85.0 66.4 11,860* 90.0 63.1 14,190 90.0 67.8 9,960* 95.0 63.3 1 80.0 61.7 16,400	13,550* 80.0 74.4 8,04 12,780* 85.0 72.6 7,73 12,120* 90.0 70.7 7,43 11,480* 95.0 68.7 7,23
65.0 68.2 21,970 65.0 71.4 18,910* 75.0 66.5 18,160 75.0 70.0 12,670* 80.0 66.8 15,890* 80.0 71.7 9,670* 85.0 67.0 1 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 1 75.0 63.9 17,940 75.0 67.0 17,500* 85.0 62.5 15,250 85.0 66.4 11,860* 90.0 63.1 14,190 90.0 67.8 9,060* 95.0 63.3 1 80.0 61.7 16,400 80.0 64.8 16,790 90.0 60.5 14,040 90.0 64.3 11,500* 95.0 61.0 13,050 95.0 65.6 8,770* 100.0 61.5 1 85.0 62.0 11,170* 100	12,780* 85.0 72.6 7,7 12,120* 90.0 70.7 7,4 11,480* 95.0 68.7 7,2
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 1 75.0 63.9 17,940 75.0 67.0 17,500* 85.0 62.5 15,250 85.0 66.4 11,860* 90.0 63.1 14,190 90.0 67.8 9,060* 95.0 63.3 1 80.0 61.7 16,400 80.0 64.8 16,790 90.0 60.5 14,040 90.0 64.3 11,500* 95.0 61.0 13,050 95.0 65.6 8,770* 100.0 61.5 1 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 57.7 90.0 57.3 13,860 90.	12,120* 90.0 70.7 7,43 11,480* 95.0 68.7 7,23
80.0 61.7 16,400 80.0 64.8 16,790 90.0 60.5 14,040 90.0 64.3 11,500* 95.0 61.0 13,050 95.0 65.6 8,770* 100.0 61.5 1 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 1 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 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	
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 1 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 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	10,930^ 100.0 66.8 7,0
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 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	10,420* 105.0 64.9 6,79
	9,960* 110.0 62.9 6,6
1 100.0 52.4 11.790 100.0 55.2 12.050 110.0 51.5 10.360 110.0 55.0 10.360* 115.0 52.6 9.740 115.0 56.8 7.870* 120.0 53.6	9,520* 115.0 60.7 6,4
	9,140* 120.0 58.6 6,20 8,610 125.0 56.4 6,1 0
	8,060 130.0 54.1 5,93
	7,580 135.0 51.7 5,8
	7,090
	6,670 6,300
	5,730*
160.0 33.6	5,090*
Reeves 1 Reeves 1 Reeves 1 Reeves 1 Reeves 1 Reeves 1 Reeves	1 Reeves 1
130' Boom	
30 ft Jib 40 ft Jib 50 ft Jib	60 ft Jib
O set Angle (deg.) O set Angle (deg.) O set Angle (deg.)	set Angle (deg.)
10 30 10 30 10 30 10 30 10 1	Rated Load Boom Rat
Radius Angle Load Radius Angle Radius Angle Load Radius Angle Radius Angle Radius Angle Radius Angle Radius Angle	Load Radius Angle Loa (lbs) (ft) (deg.) (lb
	18,000*
	18,000 * 18,000*
	17,100*
	16,000* 70.0 78.7 8,84
	14,960* 75.0 76.9 8,44 14,100* 80.0 75.3 8,13
70.0 67.7 19,620 70.0 70.7 18,650* 80.0 66.2 16,350 80.0 69.9 12,520* 80.0 68.2 16,530 80.0 72.8 9,850* 85.0 68.3 1	13,330* 85.0 73.6 7,8
	12,630* 90.0 71.9 7,63 11,970* 95.0 70.0 7,3
	11,410* 100.0 68.3 7,14
90.0 59.6 13,600 90.0 62.4 13,950 100.0 58.3 11,700 100.0 61.9 11,130* 100.0 61.0 11,860 100.0 65.3 8,700* 105.0 61.4 1	10,890* 105.0 66.5 6,94
	10,310 110.0 64.6 6,74 9,560 115.0 62.6 6,5 0
105.0 52.9 10,690 105.0 55.6 10,950 115.0 51.9 9,360 115.0 55.2 9,650 115.0 55.1 9,470 115.0 59.2 8,040* 120.0 55.9	8,920 120.0 60.7 6,39
	8,350 125.0 58.7 6,23
	7,820 130.0 56.6 6,10 7,310 135.0 54.5 5,9 3
125.0 43.0 8,020 135.0 42.5 7,140 135.0 46.6 7,250 140.0 47.8	6,830 140.0 52.2 5,86
130.0 40.2 7,490 140.0 39.6 6,670 140.0 44.1 6,760 145.0 45.6	6,410
	6,040 5,620 *
135.0 37.3 6,940* 145.0 36.8 6,040* 145.0 41.7 6,340 150.0 43.3	5,040*
135.0 37.3 6,940* 145.0 33.9 6,150* 150.0 33.7 5,370* 150.0 33.7 150.0 33.7 150.0 33.8 150.0 33.7 150.0 33.8 150.0	
135.0 37.3 6,940* 145.0 33.9 6,150* 150.0 33.7 5,370* 150.0 33.7 150.0 33.1 4,650* 165.0 35.6 165.0 35.6	4,540 * 4,010*

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

	140)' Boo																					
			t Jib						t Jib						t Jib						ft Jib		
	10	O set Ai	ngle (d	deg.) 30			10		ngle (d	leg.) 30			10	O set Ai	ngle (c	leg.) 30			10		ngle (d	leg.) 30	
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
40.0 45.0	79.6 77.9	24,000* 24,000 *		(0)	,	45.0 50.0	79.4 77.8	24,000* 24,000 *	()	1 07		50.0 55.0	79.1 77.4	20,000* 20,000 *	()	(0)		55.0 60.0	78.5 77.0	18,000* 18,000 *	()	(0)	,
50.0 55.0	76.2 74.4	24,000* 24,000 *	50.0 55.0	79.2 77.4	21,000* 21,000 *	55.0 60.0	76.1 74.4	24,000* 24,000 *	55.0 60.0	79.9 78.2	15,320* 14,720 *	60.0 65.0	75.9 74.3	20,000* 20,000 *	65.0	78.8	11,170*	65.0 70.0	75.6 74.1	17,700* 16,570 *	70.0	79.3	8,950*
60.0 65.0	72.6 70.9 69.1	23,980 21,450	60.0 65.0 70.0	75.6 73.8 72.0	20,540* 19,770 *	65.0 70.0 75.0	72.8 71.1 69.3	21,730 19,590	65.0 70.0	76.5 74.8 72.9	14,170* 13,690*	70.0 75.0	72.8 71.1 69.4	19,480* 17,850	70.0 75.0 80.0	77.2 75.5 73.8	10,780* 10,380 *	75.0 80.0 85.0	72.5 71.0 69.4	15,520* 14,630*	75.0 80.0 85.0	77.7 76.1 74.5	8,590* 8,310 * 8,020*
70.0 75.0 80.0	67.2 65.3	19,330 17,390 15,850	75.0 80.0	70.0 68.1	19,060* 17,940 16,330	80.0 85.0	67.6 65.9	17,650 16,090 14,720	75.0 80.0 85.0	71.2 69.4	13,180* 12,760 * 12,380*	80.0 85.0 90.0	67.8 66.2	16,260 14,880 13,660	85.0 90.0	72.1 70.4	10,030* 9,720 * 9,430*	90.0 95.0	67.9 66.2	13,840* 13,130* 12,450*	90.0 95.0	72.9 71.2	7,760 * 7,510*
85.0 90.0	63.5 61.6	14,480 13,290	85.0 90.0	66.2 64.3	14,940 13,690	90.0 95.0	64.1 62.2	13,510 12,360	90.0 95.0	67.6 65.6	12,030* 11,680*	95.0 100.0	64.4 62.7	12,520 11,570	95.0 100.0	68.6 66.8	9,120* 8,880*	100.0 105.0	64.6 63.0	11,680 10,820	100.0 105.0	69.5 67.8	7,270* 7,070*
95.0 100.0 105.0	59.5 57.5 55.5	12,160 11,220 10,380	95.0 100.0 105.0	62.2 60.1 58.1	12,540 11,550 10,690	100.0 105.0 110.0	60.3 58.5 56.6	11,410 10,580 9,810	100.0 105.0 110.0	63.7 61.8 59.8	11,370 * 10,970 10,180	105.0 110.0 115.0	60.9 59.2 57.3	10,710 9,940 9,190	105.0 110.0 115.0	65.0 63.2 61.2	8,660* 8,440* 8,220*	110.0 115.0 120.0	61.4 59.6 57.9	10,050 9,300 8,660	110.0 115.0 120.0	66.1 64.3 62.5	6,870 * 6,700* 6,520 *
110.0 115.0	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 54.3	8,060 7,530	125.0 130.0	60.7 58.8	6,370* 6,230 *
120.0 125.0	48.9 46.6 44.2	8,260 7,690	120.0	51.3	8,480	125.0 130.0 135.0	50.4 48.2 46.0	7,840 7,310 6,830	125.0	53.4	8,130	130.0 135.0 140.0	51.6 49.5 47.3	7,450 6,940 6,450	130.0 135.0	55.3 53.1	7,710* 7,250	135.0 140.0 145.0	52.5 50.5 48.5	7,030 6,540 6,120	135.0 140.0 145.0	56.9 54.7 52.7	6,100* 5,970 * 5,860*
130.0 135.0 140.0	41.7 38.8	7,180 6,700 6,060*				140.0 145.0	43.5 41.1	6,370 5,880*				140.0 145.0 150.0	47.3 45.1 42.9	6,040 5,640*				150.0 155.0	46.5 44.4	5,730 5,350*	145.0	32.7	3,000
145.0 150.0	36.0 32.9	5,400 * 4,760*				150.0 155.0 160.0	38.5 35.7 32.5	5,290 * 4,690*				155.0 160.0	40.5 37.8 35.1	5,090 * 4,540*				160.0 165.0	42.0 39.7 37.3	4,820 * 4,340* 3,880 *			
Ree	NAS	1	Rec	ves	1	Ree		4,070*	Ree	ves	1	165.0 170.0	32.2 eves	4,010* 3,500*	Ree	ves	1	170.0 175.0	34.7 eves	3,410*	Rec	ves	1
1.00)' Boo			-			-			-			-	1.00		-			•			-
	100																						
		30 f	t Jib					40 f	t Jib					50 f	t J ib					601	ft J ib		
	(30 f Set Ai		deg.)			(t J ib ngle (c	leg.)			(t J ib ngle (d	leg.)			(ft Jib ngle (d	leg.)	
11	10	O set Ai	ngle (d	30			10	O set Ai	ngle (c	30			10	O set Ai	ngle (d	30			10	O set A	ngle (d	30	D.C.
Load Radius (ft)		O set Ai		30 Boom	Rated Load (lbs)	Load Radius (ft)		O set Ai			Rated Load (lbs)	Load Radius (ft)) set Ai		0 /	Rated Load (lbs)	Load Radius (ft)		O set A		30 Boom	Pated Load (lbs)
Radius	10 Boom Angle	O set Ai Rated Load	ngle (d Load Radius	30 Boom Angle	Rated Load	Radius	10 Boom Angle	O set Ai	ngle (c Load Radius	30 Boom Angle	Rated Load	Radius	10 Boom Angle	Rated Load	ngle (d Load Radius	30 Boom Angle	Rated Load	Padius	10 Boom Angle	O set A. Rated Load	ngle (d Load Radius	30 Boom Angle	Load
45.0 50.0 55.0 60.0 65.0 70.0	78.6 77.0 73.6 72.0 70.3	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 21,270 19,150	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0	30 Boom Angle (deg.) 79.9 78.1 76.4 74.8 73.1	Pated Load (lbs) 21,000* 21,000* 20,890* 20,150* 19,440*	45.0 50.0 55.0 60.0 65.0 70.0	80.0 78.5 76.8 73.7 72.1	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 21,580 19,420	Load Radius (ft) 60.0 65.0 70.0	30 Boom Angle (deg.) 78.9 77.3 75.7	Rated Load (lbs) 14,920* 14,390* 13,910*	50.0 55.0 60.0 65.0 70.0 75.0	79.6 78.1 76.6 75.1 73.7 72.1	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,640 17,680	Load Radius (ft) 65.0 70.0 75.0	30 Boom Angle (deg.) 79.4 77.9 76.3	Pated Load (lbs) 11,330* 10,930* 10,530*	55.0 60.0 65.0 70.0 75.0 80.0	79.1 77.7 76.3 74.9 73.4 71.9	Rated Load (lbs) 18,000* 18,000* 18,000* 17,120* 16,040* 15,160*	Load Radius (ft) 70.0 75.0 80.0	30 Boom Angle (deg.) 79.9 78.3 76.8	9,060* 8,700* 8,420*
### Addius (ft) ### 45.0 ### 55.0 ### 65.0 ### 75.0 ### 75.0 ### 85.0 ### 85.0 ### 75.0 ### 85.0 ### 75.0 ###	78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1	Pated Load (lbs) 24,000* 24,000* 24,000* 21,270 19,150 17,210 15,670 14,300	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	30 Boom Angle (deg.) 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7	21,000* 21,000* 21,000* 20,890* 20,150* 19,440* 17,810 16,200 14,790	### Addius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	80.0 78.5 76.8 75.3 73.7 72.1 70.5 68.8 67.2	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 21,580 19,420 17,480 15,890 14,520	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0	30 Boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3 70.6	74,920* 14,920* 14,390* 13,910* 13,420* 13,000* 12,630*	Fadius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700 13,490	Load Radius (ft) 65.0 70.0 75.0 80.0 85.0 90.0	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5	Rated Load (lbs) 11,330* 10,930* 10,530* 10,200* 9,870* 9,590*	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	70.5 800m Angle (deg.) 79.1 77.7 76.3 74.9 73.4 71.9 69.0 67.4	Rated Load (lbs) 18,000* 18,000* 18,000* 17,120* 16,040* 15,160* 14,350* 13,620 12,450	TO.0 75.0 80.0 95.0 95.0	79.9 78.3 76.8 75.3 73.8 72.2	9,060* 8,700* 8,420* 8,130* 7,890* 7,620*
### April 12 ##	78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 61.4	Rated Load (lbs) 24,000* 24,000* 24,000* 21,270 19,150 17,210 15,670	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0	79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9	21,000* 21,000* 21,000* 20,890* 20,150* 19,440* 17,810 16,200	### Addius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0	80.0 78.5 76.8 75.3 73.7 72.1 70.5 68.8	Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 21,580 19,420 17,480 15,890	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0	30 Boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3	### Rated Load (lbs) 14,920* 14,390* 13,910* 13,420* 13,000*	Fadius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700	Load Radius (ft) 65.0 70.0 75.0 80.0 85.0	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1	### Pated Load (lbs) 11,330* 10,930* 10,530* 10,200* 9,870*	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	70.5 600m Angle (deg.) 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0	Rated Load (lbs) 18,000* 18,000* 18,000* 16,040* 15,160* 14,350* 13,620	Load Radius (ft) 70.0 75.0 80.0 85.0 90.0	79.9 78.3 76.8 73.8	9,060* 8,700* 8,420* 8,130* 7,890*
### Addius (ft) 45.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0	78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 61.4 59.6 57.7 55.8	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 21,270 19,150 17,210 15,670 14,300 11,990 11,040 10,200 9,430	Load Radius (ft)	79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9 62.1 60.2 58.2	Pated Load (lbs) 21,000* 21,000* 20,890* 20,150* 19,440* 17,810 16,200 14,790 13,530 12,360 11,390 10,510 9,720	### Addius (ft) 45.0 50.0 55.0 60.0 75.0 80.0 95.0 100.0 105.0 110.0	### 100 Process 100 Process	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 21,580 19,420 17,480 15,890 14,520 13,310 12,190 11,240 10,380 9,610	60.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 110.0	78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7	Rated Load (lbs) 14,920* 14,390* 13,910* 13,420* 12,270* 11,920* 11,610* 10,820 10,030	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0	79.6 78.1 76.6 75.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1	Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 17,680 16,090 14,700 13,490 12,340 11,390 10,530 9,760 9,010	65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	30 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9	### Rated Load (lbs) 11,330* 10,930* 10,530* 10,200* 9,870* 9,590* 9,300* 8,810* 8,590* 8,390*	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0	79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 64.4 62.9 61.2 59.6	Rated Load (lbs) 18,000* 18,000* 18,000* 17,120* 16,040* 15,160* 14,350* 13,620 12,450 11,500 10,640 9,850 9,100 8,460	70.0 75.0 80.0 90.0 105.0 110.0 115.0	79.9 78.3 76.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1	9,060* 8,700* 8,420* 8,130* 7,620* 7,400* 7,010* 6,830* 6,650*
### Adjust (ft) ### 45.0 ### 55.0 ### 65.0 ### 75.0 ###	70.0 Boom Angle (deg.) 78.6 77.0 75.3 672.0 70.3 68.5 66.8 65.1 63.3 61.4 59.6 57.7 55.8 51.7 49.6	Rated Load (lbs) 24,000* 24,000* 24,000* 21,270 19,150 17,210 15,670 14,300 13,110 11,990 11,040 10,200 9,430 8,700 8,090 7,510	Load Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 105.0	79.9 78.1 76.4 74.8 73.1 71.2 69.5 65.9 62.1 60.2 58.2 56.1 54.0	Rated Load (lbs) 21,000* 21,000* 20,890* 20,150* 19,440* 17,810 16,200 14,790 13,530 11,390 10,510	### Adjust (ft) ### 45.0 ### 55.0 ### 65.0 ### 65.0 ### 75.0 ###	100 Boom Angle (deg.) 80.0 78.5 76.8 75.3 73.7 72.1 70.5 66.8 67.2 65.6 62.1 60.3 58.6 56.7 54.8 52.9	Rated Load (lbs) 24,000* 24,000* 24,000* 21,580 19,420 17,480 15,890 14,520 13,310 12,190 11,240 10,380 9,610 8,860 8,240 7,670	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 125.0 125.0	78.9 77.3 75.7 73.9 70.6 68.9 66.1 65.3 61.7 59.7 57.8	Rated Load (lbs) 14,920* 14,390* 13,910* 13,420* 12,630* 12,270* 11,920* 11,610* 10,030 9,230 8,570 7,950	Radius (ft) 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 110.0 115.0 120.0 125.0 130.0	79.6 79.6 75.1 70.5 69.0 67.5 65.8 62.6 60.9 59.1 57.4 55.7 53.9	Rated Load (fbs) 20,000* 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700 13,490 12,340 11,390 10,530 9,760 9,010 8,370 7,780 7,250	Load Radius (ft) 65.0 70.0 75.0 80.0 85.0 99.0 100.0 110.0 120.0 125.0 130.0	79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.9 61.2 59.3 57.5	Rated Load (lbs) 11,330* 10,930* 10,530* 10,200* 9,590* 9,300* 9,060* 8,510* 8,390* 8,390* 8,200* 8,020* 7,620	Radius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 125.0 135.0	79.1 77.7 76.3 74.9 70.5 69.0 67.4 65.9 61.2 58.0 58.0 56.3 54.6	Rated Load (fbs) 18,000* 18,000* 17,120* 16,040* 15,160* 14,350* 13,620 12,450 11,500 10,640 9,850 9,100 8,460 7,870 7,340 6,830	70.0 85.0 95.0 100.0 115.0 125.0 135.0 135.0 135.0	79.9 78.3 76.8 75.3 73.8 72.2 70.6 69.1 67.5 64.1 60.7 58.9	9,060* 8,700* 8,420* 8,130* 7,620* 7,200* 7,010* 6,850* 6,500* 6,370* 6,210*
### Addius (ft) 45.0 50.0 55.0 60.0 75.0 80.0 95.0 100.0 115.0 120.0	70.0 Boom Angle (deg.) 78.6 77.0 75.3 72.0 70.3 68.5 66.8 65.1 63.3 61.4 59.6 57.7 55.8 75.7 49.6 47.5 45.3	Rated Load (lbs) 24,000* 24,000* 24,000* 21,270 19,150 17,210 15,670 14,300 13,110 11,900 11,040 10,200 9,430 8,700 8,090	Load Radius (ft) 50.0 55.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 1100.0 115.0 120.0	79.9 78.1 76.4 74.8 73.1 71.2 69.5 65.9 62.1 60.2 58.2 56.1 54.0	Rated Load (lbs) 21,000* 21,000* 20,890* 20,150* 19,440* 17,810 16,200 14,790 13,530 12,360 11,390 10,510 9,720 8,970 8,310	### Adjust (ft) ### 45.0 ### 55.0 ### 60.0 ### 65.0 ### 75.0 ### 65.0 ###	700 Boom Angle (deg.) 80.0 78.5 76.8 75.3 73.7 72.1 70.5 66.8 67.2 65.6 62.1 60.3 58.6 56.7 54.8	Rated Load (lbs) 24,000* 24,000* 24,000* 21,580 19,420 17,480 15,890 14,520 13,310 12,190 11,240 10,380 9,610 8,860 8,240	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 120.0 120.0	78.9 77.3 75.7 70.6 68.9 67.1 65.3 63.5 61.7 59.7 57.8	Rated Load (lbs) 14,920* 14,390* 13,910* 13,420* 12,270* 11,920* 11,610* 10,030 9,230 8,570	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	79.6 78.1 70.5 69.0 67.5 66.8 66.2 62.6 60.9 59.1 57.4 55.7	Rated Load (lbs) 20,000* 20,000* 20,000* 19,640 17,680 16,090 14,700 13,490 12,340 11,340 11,340 11,350 9,760 9,760 9,010 8,370 7,780	Load Radius (ft) 65.0 70.0 75.0 80.0 85.0 90.0 95.0 105.0 115.0 120.0 125.0	79.4 77.9 76.3 74.7 73.1 71.5 69.8 66.5 64.8 62.9 61.2 59.3	Rated Load (lbs) 11,330* 10,930* 10,530* 10,200* 9,590* 9,300* 9,066* 8,810* 8,590* 8,390* 8,200* 8,020*	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	79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 65.9 61.2 59.6 58.0 56.3	Pared Load (flbs) 18,000* 18,000* 18,000* 17,120* 16,040* 15,160* 13,620 12,450 11,500 10,640 9,850 9,100 8,460 7,870 7,340 6,330 6,340 5,930	70.0 75.0 80.0 85.0 90.0 100.0 110.0 125.0 130.0	79.9 78.3 76.8 73.8 75.3 76.6 65.7 64.1 62.4 60.7	9,060* 8,700* 8,420* 8,130* 7,890* 7,620* 7,400* 7,010* 6,830* 6,650* 6,500* 6,500* 6,370*
Redius (ft) 45.0 55.0 60.0 65.0 70.0 80.0 85.0 90.0 100.0 115.0 120.0 1330.0 145.0 145.0 150.0	70.0 Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 68.5 66.8 65.1 63.3 61.4 59.6 57.7 55.8 73.7 49.6 47.5 44.3 42.8 40.3 37.8	Rated Load (fbs) 24,000* 24,000* 24,000* 21,270 19,150 17,210 15,670 14,300 13,110 11,990 11,040 10,200 9,430 8,790 7,510 6,980 6,500 6,010* 5,420* 4,820*	Load Radius (ft) 50.0 55.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 1100.0 115.0 120.0	79.9 78.1 76.4 74.8 73.1 71.2 69.5 65.9 62.1 60.2 58.2 56.1 54.0	Rated Load (lbs) 21,000* 21,000* 20,890* 20,150* 19,440* 17,810 16,200 14,790 13,530 12,360 11,390 10,510 9,720 8,970 8,310	Redius (ft) 45.0 55.0 60.0 65.0 70.0 80.0 85.0 90.0 100.0 115.0 120.0 1330.0 145.0 145.0 150.0	70.5 68.8 67.2 65.6 63.8 62.1 60.3 58.6 62.1 60.3 58.6 62.1 60.3 54.8 62.9 54.9 46.7 44.6 42.3	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 21,580 19,420 17,480 15,890 14,520 13,310 12,190 11,240 10,380 9,610 8,260 8,240 7,670 7,140 6,630 6,170 5,750 5,220*	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 125.0 125.0	78.9 77.3 75.7 73.9 70.6 68.9 66.1 65.3 61.7 59.7 57.8	Rated Load (lbs) 14,920* 14,390* 13,910* 13,420* 12,630* 12,270* 11,920* 11,610* 10,030 9,230 8,570 7,950	Radius (ft) 50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 120.0 125.0 135.0 144.0 155.0	70.5 67.5 66.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 65.7 65.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60	Rated Load (fbs) 20,000* 20,000* 20,000* 19,640 11,768 11,390 11,390 11,390 11,390 11,390 7,780 7,780 7,780 7,250 6,740 6,260 5,840 5,460 4,980*	Load Radius (ft)	79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 61.2 59.3 57.5 55.6	Rated Load (lbs) 11,330* 10,930* 10,530* 10,200* 9,590* 9,300* 9,060* 8,810* 8,590* 8,200* 8,020* 7,620 7,090	Fadius (ft) 55.0 60.0 65.0 70.0 85.0 95.0 100.0 115.0 125.0 135.0 140.0 155.0 155.0 160.0	79.1 77.7 76.3 74.9 70.5 69.0 67.4 65.9 64.4 62.9 61.2 59.6 58.0 54.6 58.0 49.2 47.3 45.2	Pated Load (lbs) 18,000* 18,000* 18,000* 17,120* 16,040* 15,160* 13,620 12,450 11,500 10,640 9,850 9,100 8,460 7,870 7,340 6,830 6,340 5,530 5,150* 4,670*	70.0 75.0 88.0 99.0 95.0 100.0 115.0 120.0 135.0 140.0 145.0 145.0	79.9 78.3 76.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 60.7 58.9 57.0 55.1	9,060* 8,700* 8,420* 8,130* 7,620* 7,200* 7,200* 7,010* 6,500* 6,500* 6,500* 6,210* 6,210* 6,080* 5,970*
Redius (ft) 45.0 55.0 60.0 75.0 65.0 80.0 85.0 90.0 100.0 115.0 120.0 133.0 140.0 145.0	78.6 77.0 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 61.4 65.7 755.8 53.7 51.7 49.6 47.5 45.3 42.8 37.8 35.0	Rated Load (lbs) 24,000* 24,000* 24,000* 21,270 19,150 17,210 15,670 14,300 13,110 11,990 11,040 10,200 9,430 8,700 8,090 7,510 6,980 6,500 6,010* 5,420*	Load Radius (ft) 50.0 55.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 1100.0 115.0 120.0	79.9 78.1 76.4 74.8 73.1 71.2 69.5 65.9 62.1 60.2 58.2 56.1 54.0	Rated Load (lbs) 21,000* 21,000* 20,890* 20,150* 19,440* 17,810 16,200 14,790 13,530 12,360 11,390 10,510 9,720 8,970 8,310	Redius (ft) 45.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0 135.0 140.0 145.0	76.8 76.8 75.3 77.2.1 70.5 68.8 67.2 65.6 63.8 62.1 60.3 58.6 56.7 54.8 52.9 51.0 46.7 44.6	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 21,580 19,420 17,480 15,890 14,520 13,310 12,190 11,240 10,380 9,610 8,860 8,240 7,670 7,140 6,630 6,170 5,750	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 125.0 125.0	78.9 77.3 75.7 73.9 70.6 68.9 66.1 65.3 61.7 59.7 57.8	Rated Load (lbs) 14,920* 14,390* 13,910* 13,420* 12,630* 12,270* 11,920* 11,610* 10,030 9,230 8,570 7,950	Fadius (ft) 50.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0 105.0 110.0 115.0 120.0 125.0 135.0 140.0 145.0	70.5 67.5 69.0 67.5 69.0 67.5 69.0 67.5 69.0 67.5 69.0 67.5 69.0 60.9 59.1 57.4 55.7 53.9 52.0 50.0 48.1 46.0 43.9 36.8	Rated Load (fbs) 20,000* 20,000* 20,000* 19,640 11,690 14,700 13,490 12,340 11,390 10,530 9,760 9,010 8,370 7,780 7,250 6,740 6,260 5,840 5,460	Load Radius (ft)	79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 61.2 59.3 57.5 55.6	Rated Load (lbs) 11,330* 10,930* 10,530* 10,200* 9,590* 9,300* 9,060* 8,810* 8,590* 8,200* 8,020* 7,620 7,090	Fadius (ft) 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 125.0 140.0 145.0 155.0	79.1 77.7 76.3 74.9 70.5 69.0 67.4 65.9 61.2 59.6 58.0 58.0 58.0 58.0 49.2 47.3	Pated Load (lbs) 18,000* 18,000* 18,000* 17,120* 16,040* 15,160* 14,350* 13,620 12,450 11,500 10,640 9,850 9,100 8,460 7,870 7,340 6,340 5,930 5,530 5,150*	70.0 75.0 88.0 99.0 95.0 100.0 115.0 120.0 135.0 140.0 145.0 145.0	79.9 78.3 76.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 60.7 58.9 57.0 55.1	9,060* 8,700* 8,420* 8,130* 7,620* 7,200* 7,200* 7,010* 6,550* 6,500* 6,500* 6,210* 6,210* 6,080* 5,970*

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

	160)' Boo	m																				
		30 f	t Ji b					40 t	t J ib					50 f	t J ib					60 1	t J ib		
			ngle (d					O set Ai	ngle (d						ngle (c						ngle (d		
Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom	Rated	Load	30 Boom	Rated	Load	10 Boom	Rated	Load	30 Boom	Rated
Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)		Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)	Radius (ft)	Angle (deg.)	Load (lbs)
45.0	79.2	24,000*				50.0	79.0	24,000*				55.0	78.7	20,000*				55.0	79.6	18,000*			
50.0 55.0	77.7 76.1	24,000 * 24,000*	55.0	78.8	21,000*	55.0 60.0	77.5 76.0	24,000 * 24,000*	60.0	79.5	15,120*	60.0 65.0	77.3 75.9	20,000 * 20,000*	65.0	80.0	11,440*	60.0 65.0	78.3 76.9	18,000* 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	64.8	12,980	90.0	67.3	13,440	95.0	65.2	12,050	95.0	68.4	12,140*	100.0	65.5	11,260	100.0	69.3	9,210*	100.0	67.1	11,370	100.0	71.6	7,530*
95.0 100.0	63.0 61.3	11,860 10,910	95.0 100.0	65.5 63.8	12,270 11,280	100.0 105.0	63.6 62.0	11,110 10,250	100.0 105.0	66.7 65.1	11,640 10,730	105.0 110.0	64.0 62.5	10,400 9,610	105.0 110.0	67.8 66.2	8,970* 8,770 *	105.0 110.0	65.7 64.2	10,490 9,720	105.0 110.0	70.2 68.7	7,310* 7,140 *
105.0	59.6	10,070	105.0	62.0	10,400	110.0	60.4	9,470	110.0	63.4	9,920	115.0	60.8	8,860	115.0	64.5	8,550*	115.0	62.7	8,970	115.0	67.0	6,940*
110.0	57.9	9,300	110.0	60.2	9,610	115.0	58.6	8,730	115.0	61.5	9,120	120.0	59.2	8,220	120.0	62.8	8,350*	120.0	61.2	8,310	120.0	65.5	6,790*
115.0 120.0	55.9 54.1	8,550 7,930	115.0 120.0	58.2 56.3	8,840 8,200	120.0 125.0	56.9 55.1	8,090 7,510	120.0 125.0	59.8 58.0	8,460 7,840	125.0 130.0	57.6 55.9	7,620 7,090	125.0 130.0	61.1 59.4	8,090 7,510	125.0 130.0	59.7 58.1	7,730 7,180	125.0 130.0	63.9 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	50.2	6,830	130.0	52.4	7,030	135.0	51.5	6,480	135.0	54.2	6,760	140.0	52.4	6,100	140.0	55.7	6,450	140.0	54.8	6,190	140.0	58.9	6,210*
135.0 140.0	48.2 46.0	6,320 5,860				140.0 145.0	49.5 47.5	5,990 5,570	140.0	52.1	6,260	145.0 150.0	50.6 48.7	5,680 5,290	145.0 150.0	53.8 51.9	5,990 5,570	145.0 150.0	53.2 51.5	5,770 5,370	145.0 150.0	57.1 55.4	6,080* 5,750
145.0	43.9	5,310*				150.0	45.5	5,090*				155.0	46.8	4,800*	100.0	01.0	0,010	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	Ree	ves	1	Ree	ves	1	Rec	eves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1
	170)' Boo	m											·				•		'	<u> </u>		
	170		m t Jib					40 f	ft J ib					50 f	t Ji b					601	t Ji b		
	(30 f O set Ai		deg.)				O set Ai	t Jib ngle (d	deg.)			(ft J ib ngle (d	leg.)				O set A	ft J ib ngle (d	deg.)	
lood	10	30 f O set Ai	t Ji b ngle (d	30		Lond	10	O set A	ngle (d	30		Lood	10	O set A	ngle (c	30	Potod	Lood	10	O set A	ngle (d	30	Potod
Load Radius (ft)	(30 f O set Ai	t J ib	<u> </u>	Rated Load (lbs)	Load Radius (ft)		O set Ai		30 Boom	Rated Load (lbs)	Load Radius (ft)		O set Ai		<u> </u>	Rated Load (lbs)	Load Radius (ft)		O set A		<u> </u>	Pated Load (lbs)
Radius (ft) 45.0	10 Boom Angle (deg.) 79.8	30 f O set Ai Rated Load (lbs) 24,000*	ngle (d Load Radius	30 Boom Angle	Rated Load	Radius (ft) 50.0	Boom Angle (deg.)	Pated Load (lbs) 24,000*	ngle (d Load Radius	30 Boom Angle	Rated Load	Radius (ft) 55.0	Boom Angle (deg.)	Pated Load (lbs) 20,000*	ngle (c Load Radius	30 Boom Angle	Load	Radius (ft) 55.0	Boom Angle (deg.)	Pated Load (lbs) 18,000*	ngle (d Load Radius	30 Boom Angle	Load
Radius (ft)	10 Boom Angle (deg.)	30 f O set Ai Rated Load (lbs)	ngle (d Load Radius	30 Boom Angle	Rated Load	Radius (ft)	Boom Angle (deg.)	Pated Load (lbs)	ngle (d Load Radius	30 Boom Angle (deg.)	Rated Load	Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	ngle (c Load Radius	30 Boom Angle	Load	Radius (ft)	Boom Angle (deg.)	Pated Load (lbs)	ngle (d Load Radius	30 Boom Angle	Load
### Adius (ft) 45.0 50.0 55.0 60.0	79.8 76.8 75.3	30 f O set Al Rated Load (lbs) 24,000* 24,000* 24,000* 24,000*	Load Radius (ft) 55.0 60.0	30 Boom Angle (deg.) 79.4 77.9	Rated Load (lbs) 21,000* 21,000*	Fadius (ft) 50.0 55.0 60.0 65.0	## Doom Angle (deg.) 79.6 78.1 76.7 75.3	Rated Load (lbs) 24,000* 24,000* 23,800 21,250	Load Radius (ft)	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	Rated Load (lbs) 20,000* 20,000* 20,000* 19,310	Load Radius (ft)	30 Boom Angle (deg.)	Load (lbs) 11,170*	Fadius (ft) 55.0 60.0 65.0 70.0	80.0 78.8 77.5 76.2	Rated Load (lbs) 18,000* 18,000* 18,000* 18,000*	Load Radius (ft)	30 Boom Angle (deg.)	Load (lbs)
45.0 50.0 55.0 60.0 65.0	79.8 76.8 75.3 73.8	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 20,940	Load Radius (ft) 55.0 60.0 65.0	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	## 10 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	Rated Load (lbs) 15,290* 14,770* 14,300*	55.0 60.0 65.0 70.0 75.0	79.2 77.9 76.5 75.2 73.8	Rated Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350	Load Radius (ft) 70.0 75.0	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	Rated Load (lbs) 18,000* 18,000* 18,000* 18,000* 17,080*	Load Radius (ft)	30 Boom Angle (deg.)	Load (lbs) 8,900*
### Adius (ft) 45.0 50.0 55.0 60.0	79.8 76.8 75.3	30 f O set Al Rated Load (lbs) 24,000* 24,000* 24,000* 24,000*	Load Radius (ft) 55.0 60.0	30 Boom Angle (deg.) 79.4 77.9	Rated Load (lbs) 21,000* 21,000*	Fadius (ft) 50.0 55.0 60.0 65.0	## Doom Angle (deg.) 79.6 78.1 76.7 75.3	Rated Load (lbs) 24,000* 24,000* 23,800 21,250	Load Radius (ft)	30 Boom Angle (deg.) 80.0 78.6 77.1 75.6	Rated Load (lbs) 15,290* 14,770*	Fadius (ft) 55.0 60.0 65.0 70.0	79.2 77.9 75.2	Rated Load (lbs) 20,000* 20,000* 20,000* 19,310	Load Radius (ft)	30 Boom Angle (deg.)	Load (lbs) 11,170*	Fadius (ft) 55.0 60.0 65.0 70.0	80.0 78.8 77.5 76.2	Rated Load (lbs) 18,000* 18,000* 18,000* 18,000*	Load Radius (ft)	30 Boom Angle (deg.)	Load (lbs)
### Addius (ft) 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	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 20,940 18,820 16,880 15,320	Load Radius (ft) 55.0 60.0 65.0 70.0 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	Rated 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* 13,420* 13,050*	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6	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* 10,490* 10,180* 9,890*	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0	Rated Load (lbs) 18,000* 18,000* 18,000* 17,080* 15,890 14,500 13,270	Load Radius (ft) 75.0 80.0 85.0 90.0	30 Boom Angle (deg.) 79.4 78.1 76.7 75.4	8,900* 8,610* 8,350* 8,110*
### Addius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7	30 f Set Al Rated Load (lbs) 24,000* 24,000* 24,000* 20,940 18,820 16,880 15,320 13,950	Load Radius (ft) 55.0 60.0 65.0 70.0 80.0	30 Boom Angle (deg.) 79.4 77.9 76.4 74.9 73.2 71.7 70.1	21,000* 21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480	75.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1	Rated 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	15,290* 14,770* 14,300* 13,840* 13,420* 13,050* 12,690*	75.0 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	Load 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	75.0 80.0 85.0 95.0	30 Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9	8,900* 8,610* 8,350* 8,110* 7,870*
### Addius (ft) 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	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 20,940 18,820 16,880 15,320	Load Radius (ft) 55.0 60.0 65.0 70.0 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	Rated 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 71.1 69.5	15,290* 14,770* 14,300* 13,840* 13,420* 13,050*	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6	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* 10,490* 10,180* 9,890*	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0	Rated Load (lbs) 18,000* 18,000* 18,000* 17,080* 15,890 14,500 13,270	Load Radius (ft) 75.0 80.0 85.0 90.0	30 Boom Angle (deg.) 79.4 78.1 76.7 75.4	8,900* 8,610* 8,350* 8,110*
### 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	79.8 78.3 76.8 75.3 73.8 72.4 69.3 67.7 66.2 64.5 62.9	30 f 2 set Al Rated Load (lbs) 24,000* 24,000* 24,000* 23,500 16,880 15,320 13,950 12,740 11,610 10,670	55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2	21,000* 21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480 13,240 12,050 11,080	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5	Rated Load (lbs) 24,000* 24,000* 21,250 19,090 17,150 14,170 12,960 11,810 10,860 10,000	60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 105.0	80.0 78.6 77.1 75.6 74.1 72.6 71.1 69.5 68.0 66.4	15,290* 14,770* 14,300* 13,840* 13,420* 12,690* 12,360* 11,440 10,530	75.0 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	Rated Load (lbs) 20,000* 20,000* 19,310 11,7350 13,130 11,990 11,020 10,160 9,390	70.0 75.0 85.0 95.0 100.0 110.0	30 Boom Angle (deg.) 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4	11,170* 10,800* 10,490* 10,180* 9,610* 9,360* 9,120* 8,900*	75.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	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 (lbs) 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 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*
### Action	79.8 76.8 75.3 73.8 70.8 69.3 67.7 66.2 64.5 62.9 61.3	30 f 2 set Al Rated Load (lbs) 24,000* 24,000* 24,000* 23,500 10,880 15,320 13,950 12,740 11,610 10,670 9,810	Et Jib ngle (c Load Radius (ft) 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 15,890 14,480 13,240 12,050 11,080 10,200	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 61.9	Rated Load (fbs) 24,000* 24,000* 24,250 19,090 17,150 15,560 14,170 10,860 10,000 9,230	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 105.0 110.0	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	Rated Load (fbs) 20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 13,130 11,990 11,020 10,160 9,390 8,610	70.0 75.0 80.0 95.0 100.0 115.0 115.0	30 Boom Angle (deg.) 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8	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	Rated Load (lbs) 18,000* 18,000* 18,000* 17,080* 17,080* 14,500 13,270 12,100 11,150 10,270 9,470 8,730	75.0 80.0 85.0 90.0 100.0 115.0	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* 7,450* 7,250* 7,050*
### 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	79.8 78.3 76.8 75.3 73.8 72.4 69.3 67.7 66.2 64.5 62.9	30 f 2 set Al Rated Load (lbs) 24,000* 24,000* 24,000* 23,500 16,880 15,320 13,950 12,740 11,610 10,670	55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2	21,000* 21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480 13,240 12,050 11,080	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5	Rated Load (lbs) 24,000* 24,000* 21,250 19,090 17,150 14,170 12,960 11,810 10,860 10,000	60.0 65.0 70.0 75.0 80.0 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 64.8 63.1	15,290* 14,770* 14,300* 13,840* 13,420* 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	Rated Load (lbs) 20,000* 20,000* 19,310 11,7350 13,130 11,990 11,020 10,160 9,390	70.0 75.0 85.0 95.0 100.0 110.0	30 Boom Angle (deg.) 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4	11,170* 10,800* 10,490* 10,180* 9,610* 9,360* 9,120* 8,900*	75.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	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 (lbs) 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 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*
### Redius (ft) 45.0 50.0 55.0 60.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0	79.8 76.8 75.3 76.8 72.4 70.8 69.3 69.3 59.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2	Rated Load (lbs) 24,000* 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 95.0 100.0 115.0 120.0	79.4 77.9 76.4 74.9 76.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3	21,000* 21,000* 21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0 120.0 125.0	79.6 78.1 76.7 75.3 73.9 72.4 71.0 665.0 63.5 61.9 60.3 58.7 57.0	Rated Load (lbs) 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170 12,960 11,810 10,860 10,000 9,230 8,480 7,840 7,270	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 112.0 125.0 125.0	300 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6 68.0 66.4 64.8 63.1 61.5 59.8	Rated Load (lbs) 15,290* 14,770* 14,300* 13,840* 13,420* 12,560* 11,440 10,530 9,720 8,920 8,240 7,640	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 130.0	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 60.8 59.3 57.7	Rated 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 71.9 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	755.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 125.0 130.0	700 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	Rated Load (lbs) 18,000* 18,000* 18,000* 18,000* 17,080* 17,080* 17,080* 11,150 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 73.9 72.5 71.1 69.7 68.2 66.7 65.2 63.7	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,050* 6,900* 6,740* 6,590*
### Redius (ft) 45.0 50.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 125.0 125.0	79.8 79.8 76.8 75.3 76.8 72.4 70.8 69.3 66.2 66.2 66.2 66.2 65.9 67.7 66.2 65.9 67.7 66.2 65.9 65.2 65.2 65.2	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 20,940 18,820 16,880 15,320 11,610 10,670 9,810 9,060 8,310 7,670 7,090	55.0 60.0 65.0 70.0 80.0 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	21,000* 21,000* 21,000* 21,000* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980 7,360	75.0 65.0 75.0 65.0 75.0 85.0 90.0 95.0 100.0 110.0 115.0 120.0 130.0	700 Boom Angle (deg.) 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 66.5 61.9 60.3 58.7 57.0 55.4	Rated Load (lbs) 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170 10,860 10,000 9,230 8,480 7,840 7,270 6,720	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 995.0 100.0 115.0 1120.0 125.0 130.0	300 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6 68.0 66.4 64.8 63.1 61.5 59.8 58.1	Rated 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	75.0 60.0 65.0 70.0 75.0 85.0 90.0 95.0 105.0 115.0 125.0 135.0	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 60.8 59.3 57.7 56.1	Rated Load (lbs) 20,000* 20,000* 20,000* 19,310 17,350 15,760 14,370 13,130 11,990 11,020 10,160 9,390 8,610 7,980 7,400 6,850 6,340	70.0 75.0 80.0 85.0 90.0 105.0 115.0 120.0 130.0 135.0	79.1 77.6 76.2 74.8 73.4 70.4 65.8 64.3 62.7 61.1 59.5	11,170* 10,800* 10,490* 10,180* 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 90.0 95.0 105.0 115.0 125.0 135.0	70 Boom Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2	Rated Load (lbs) 18,000* 18,000* 18,000* 18,000* 17,080* 17,080* 15,890 14,500 13,270 12,100 11,150 10,270 9,470 8,730 8,090 7,490 6,940 6,450	75.0 80.0 85.0 105.0 115.0 125.0 135.0 135.0	79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7 65.2 63.7 62.2	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 6,900* 6,740* 6,590* 6,450*
### Redius (ft) 45.0 50.0 55.0 60.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0	79.8 76.8 75.3 76.8 72.4 70.8 69.3 69.3 59.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2	Rated Load (lbs) 24,000* 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 95.0 100.0 115.0 120.0	79.4 77.9 76.4 74.9 76.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3	21,000* 21,000* 21,000* 21,000* 20,830* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0 120.0 125.0	79.6 78.1 76.7 75.3 73.9 72.4 71.0 665.0 63.5 61.9 60.3 58.7 57.0	Rated Load (lbs) 24,000* 24,000* 23,800 21,250 19,090 17,150 15,560 14,170 12,960 11,810 10,860 10,000 9,230 8,480 7,840 7,270	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 95.0 100.0 115.0 112.0 125.0 125.0	300 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 69.5 68.0 66.4 64.8 63.1 61.5 59.8 58.1	Rated 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	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 130.0	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 60.8 59.3 57.7	Rated 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 71.9 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	755.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 120.0 125.0 130.0	700 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	Rated Load (lbs) 18,000* 18,000* 18,000* 18,000* 17,080* 17,080* 17,080* 11,150 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 73.9 72.5 71.1 69.7 68.2 66.7 65.2 63.7	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,050* 6,900* 6,740* 6,590*
Facilus (ft) 45.0 55.0 65.0 65.0 70.0 75.0 80.0 85.0 90.0 105.0 110.0 125.0 133.0 135.0 140.0	79.8 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 50.8 48.8	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 20,940 18,820 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	55.0 60.0 65.0 70.0 75.0 80.0 80.0 105.0 115.0 125.0 125.0 130.0	79.4 77.9 76.4 74.9 73.2 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7	21,000* 21,000* 21,000* 21,000* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980 7,360 6,810	Fadius (ft) 50.0 55.0 60.0 65.0 770.0 75.0 80.0 85.0 90.0 95.0 110.0 115.0 125.0 133.0 145.0 145.0	79.6 78.1 76.7 75.3 9 72.4 71.0 69.5 68.1 66.5 61.9 60.3 75.4 53.7 55.4 53.7 51.8 50.1	Rated 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*	Load Radius (ft) 60.0 65.0 70.0 75.0 80.0 99.0 100.0 115.0 120.0 125.0 130.0 135.0 135.0	300 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6 68.0 66.4 64.8 63.1 559.8 58.1 56.3 54.4	Rated Load (lbs) 15,290* 14,770* 14,300* 13,840* 13,420* 12,360* 11,440 10,530 9,720 8,920 8,240 7,640 7,070 6,540	Fadius (ft) 55.0 60.0 65.0 77.0 80.0 85.0 90.0 100.0 115.0 120.0 130.0 140.0 145.0 150.0	70.0 Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 57.7 56.1 54.4 52.8 51.1	Rated 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 90.0 100.0 115.0 125.0 130.0 140.0 145.0 150.0	79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 66.3 61.1 59.5 57.7 56.0 54.2	11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,120* 8,900* 8,680* 8,500 7,310 6,760 6,260 5,790 5,370	Fadius (ft) 55.0 60.0 65.0 77.0 80.0 85.0 90.0 100.0 115.0 120.0 130.0 140.0 145.0 150.0	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 1.1 59.7 58.2 56.6 55.1 53.5	Rated Load (lbs)** 18,000** 18,000** 18,000** 15,890 14,500 13,270 12,100 11,150 10,270 9,470 8,730 8,090 7,490 6,940 6,450 5,950 5,530 5,070**	75.0 80.0 85.0 90.0 100.0 115.0 120.0 135.0 140.0 145.0 150.	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* 6,300* 5,970 5,550
Padius (ft) 45.0 50.0 55.0 60.0 770.0 75.0 80.0 85.0 90.0 105.0 115.0 120.0 135.0 140.0 145.0	79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 50.8 48.8 46.8	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*	55.0 60.0 65.0 70.0 75.0 80.0 80.0 105.0 115.0 125.0 125.0 130.0	79.4 77.9 76.4 74.9 73.2 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7	21,000* 21,000* 21,000* 21,000* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980 7,360 6,810	Fadius (ft) 50.0 55.0 60.0 65.0 70.0 775.0 80.0 85.0 90.0 105.0 115.0 125.0 135.0 1440.0 145.0 150.0	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	Rated 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 7,270 6,720 6,230 5,750 5,290* 4,780*	115.0 125.0 135.0 140.0	300 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6 68.0 66.4 64.8 63.1 61.5 59.8 58.1 56.3 54.4	15,290* 14,770* 14,300* 13,840* 13,420* 12,690* 12,360* 11,440 10,530 9,720 8,920 8,240 7,670 6,540 6,040	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 88.0 99.0 95.0 100.0 115.0 125.0 130.0 140.0 145.0 155.0	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 57.7 56.1 52.8 51.1 49.3	Rated 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 7,940 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 62.7 61.1 59.5 57.7 56.0	11,170* 10,800* 10,490* 10,180* 9,610* 9,360* 9,120* 8,900* 8,680* 8,500 7,890 7,310 6,760 6,260 5,790	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 88.0 99.0 95.0 100.0 115.0 125.0 130.0 140.0 145.0 155.0	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 55.1 53.5 51.9	Rated Load (lbs) 18,000* 18,000* 18,000* 15,890 14,500 13,270 12,100 11,150 10,270 9,470 8,730 8,090 7,490 6,940 6,450 5,530 5,070* 4,620*	75.0 80.0 85.0 90.0 105.0 115.0 125.0 140.0 145.0 155.0 155.0	79.4 78.1 75.4 73.9 72.5 71.1 69.7 66.2 66.7 65.2 60.5 58.9 57.3 55.6	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,250* 7,050* 6,900* 6,450* 6,590* 6,450* 6,5970 5,550 5,150
### Associated Services	79.8 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 50.8 48.8	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 20,940 18,820 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	55.0 60.0 65.0 70.0 75.0 80.0 80.0 105.0 115.0 125.0 125.0 130.0	79.4 77.9 76.4 74.9 73.2 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7	21,000* 21,000* 21,000* 21,000* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980 7,360 6,810	Fadius (ft) 50.0 55.0 60.0 65.0 770.0 75.0 80.0 85.0 90.0 95.0 110.0 115.0 125.0 133.0 145.0 145.0	79.6 78.1 76.7 75.3 9 72.4 71.0 69.5 68.1 66.5 61.9 60.3 75.4 53.7 55.4 53.7 51.8 50.1	Rated 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*	115.0 125.0 135.0 140.0	300 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6 68.0 66.4 64.8 63.1 61.5 59.8 58.1 56.3 54.4	15,290* 14,770* 14,300* 13,840* 13,420* 12,690* 12,360* 11,440 10,530 9,720 8,920 8,240 7,670 6,540 6,040	Fadius (ft) 55.0 60.0 65.0 77.0 80.0 85.0 90.0 100.0 115.0 120.0 130.0 140.0 145.0 150.0	70.0 Boom Angle (deg.) 79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 57.7 56.1 54.4 52.8 51.1	Rated 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 6,850 6,340 5,860 5,440 4,960* 4,490* 4,030*	70.0 75.0 80.0 85.0 90.0 100.0 115.0 125.0 130.0 140.0 145.0 150.0	79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 66.3 61.1 59.5 57.7 56.0 54.2	11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,120* 8,900* 8,680* 8,500 7,310 6,760 6,260 5,790 5,370	Fadius (ft) 55.0 60.0 65.0 77.0 80.0 85.0 90.0 100.0 115.0 120.0 130.0 140.0 145.0 150.0	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 1.1 59.7 58.2 56.6 55.1 53.5	Rated Load (lbs)** 18,000** 18,000** 18,000** 15,890 14,500 13,270 12,100 11,150 10,270 9,470 8,730 8,090 7,490 6,940 6,450 5,950 5,530 5,070**	75.0 80.0 85.0 90.0 100.0 115.0 120.0 135.0 140.0 145.0 150.	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* 6,300* 5,970 5,550
### Actions (ft) ### 45.0 ### 50.0 ### 50.0 ### 60.0 ###	79.8 78.3 76.8 75.3 73.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 55.9 56.4 48.8 44.8 42.7 40.4	Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 23,500 16,880 15,320 11,610 10,670 9,810 9,060 8,310 7,670 7,090 6,560 6,080 5,590 5,040* 4,540* 4,030* 3,520*	55.0 60.0 65.0 70.0 75.0 80.0 80.0 105.0 115.0 125.0 125.0 130.0	79.4 77.9 76.4 74.9 73.2 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7	21,000* 21,000* 21,000* 21,000* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980 7,360 6,810	Fadius (ft) 50.0 55.0 60.0 65.0 70.0 775.0 80.0 85.0 90.0 105.0 115.0 125.0 135.0 140.0 145.0 155.0	79.6 78.1 76.7 75.3 9 72.4 71.0 69.5 66.5 66.5 66.5 55.4 55.4 8.2 46.3	Rated Load (lbs) 24,000* 24,000* 21,250 19,090 17,150 12,960 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*	115.0 125.0 135.0 140.0	300 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6 68.0 66.4 64.8 63.1 61.5 59.8 58.1 56.3 54.4	15,290* 14,770* 14,300* 13,840* 13,420* 12,690* 12,360* 11,440 10,530 9,720 8,920 8,240 7,670 6,540 6,040	Fadius (ft) 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 125.0 130.0 140.0 145.0 155.0 160.0	79.2 77.9 76.5 75.2 77.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7 56.1 52.8 51.1 49.3 47.4	Rated 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 7,940 6,850 6,340 5,860 5,440 4,960* 4,490*	70.0 75.0 80.0 85.0 90.0 100.0 115.0 125.0 130.0 140.0 145.0 150.0	79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 66.3 61.1 59.5 57.7 56.0 54.2	11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,120* 8,900* 8,680* 8,500 7,310 6,760 6,260 5,790 5,370	Fadius (ft) 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 125.0 130.0 140.0 145.0 155.0 160.0	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 1.1 53.5 51.9 50.1	Rated Load (lbs) 18,000* 18,000* 18,000* 15,890 14,500 13,270 12,100 11,150 10,270 9,470 8,730 8,090 7,490 6,940 6,450 5,530 5,070* 4,620* 4,160*	75.0 80.0 85.0 90.0 105.0 115.0 125.0 140.0 145.0 155.0 160.	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 53.8	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,050* 6,900* 6,740* 6,590* 6,450* 6,300* 5,970 5,550 5,150 4,670*
### Actions (ft) ### 45.0 ### 55.0 ### 65.0 ###	79.8 76.8 75.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4 52.6 50.8 44.8 42.7 40.4 38.1	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 75.0 80.0 85.0 90.0 115.0 125.0 135.0 135.0	79.4 77.9 76.4 74.9 73.2 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7	21,000* 21,000* 21,000* 21,000* 19,530 17,520 15,890 14,480 13,240 12,050 11,080 10,200 9,390 8,610 7,980 7,360 6,810	Fadius (ft) 50.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 122.0 135.0 135.0 145.0 155.0	70.0 Boom Angle (deg.) 79.6 78.1 76.7 75.3 9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 58.7 57.0 55.4 48.2 46.3 44.2 42.2	Rated 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 4,780* 4,320* 3,810*	Load Radius (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	300 Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6 68.0 66.4 64.8 63.1 61.5 59.8 58.1 56.3 54.4	15,290* 14,770* 14,300* 13,840* 13,420* 12,690* 12,360* 11,440 10,530 9,720 8,920 8,240 7,670 6,540 6,040	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 88.0 99.0 95.0 100.0 115.0 125.0 130.0 145.0 155.0 160.0 170.0	79.2 77.9 76.5 75.2 77.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7 56.1 49.3 47.4 45.6	Pated Load (lbs) 20,000* 20,000* 19,310 11,7350 15,760 14,370 13,130 11,990 11,020 10,160 9,390 8,610 7,980 7,980 7,980 6,850 6,340 5,860 5,440 4,960* 4,490* 4,030* 3,610*	70.0 75.0 80.0 85.0 90.0 100.0 115.0 125.0 130.0 140.0 145.0 150.0	79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 57.7 56.0 54.2 52.4	11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,120* 8,900* 8,680* 8,500 7,310 6,760 6,260 5,790 5,370	Fadius (ft) 55.0 60.0 65.0 70.0 85.0 90.0 95.0 100.0 115.0 125.0 135.0 140.0 155.0 155.0 160.0 165.0	70.0 Boom Angle (deg.) 80.0 78.8 77.5 76.2 74.9 73.6 62.6 66.8 65.5 64.0 62.6 55.1 53.5 51.9 50.1 48.5 46.7	Rated Load (lbs) 18,000* 18,000* 18,000* 17,080* 17,080* 15,890 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 90.0 100.0 115.0 125.0 140.0 155.0 165.0	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 53.8	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,050* 6,900* 6,740* 6,590* 6,450* 6,300* 5,970 5,550 5,150 4,670*

Carbody Weight: 31,800

Full Counterweight: 69,000 lbs

	100	N' Poo																					
	180)' Boo	t Jib					40 t	t Jib					E0 #	ft J ib					601	ft lib		
		30 i O set Ai		dea)					t Jib ngle (a	lea)					t Jib ngle (d	dea)					ft J ib ngle (c	lea)	
	10		igio (c	30			10	3 001711	igio (a	30			10	00171	l gio (c	30			10	00171	l igio (c	30	
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)
50.0	78.9	22,200*				55.0	78.7	21,670*				55.0	79.7	20,000*				60.0	79.3	18,000*			
55.0	77.4	21,750*	55.0	79.9	21,000*	60.0	77.3	21,270*	65.0	70.4	4.4.0.40*	60.0	78.4	20,000*				65.0	78.0	18,000*			
60.0 65.0	76.0 74.6	21,360* 20,700	60.0 65.0	78.5 77.1	20,870* 20,500 *	65.0 70.0	76.0 74.7	20,870* 18,840	65.0 70.0	79.1 77.7	14,940* 14,480 *	65.0 70.0	77.1 75.9	20,000* 19,060	70.0	79.6	11,300*	70.0 75.0	76.8 75.5	18,000* 17,230	75.0	79.9	8,990*
70.0	73.2	18,560	70.0	75.6	19,310	75.0	73.2	16,880	75.0	76.3	14,020*	75.0	74.5	17,100	75.0	78.2	10,930*	80.0	74.3	15,650	80.0	78.6	8,700*
75.0	71.7	16,600	75.0	74.1	17,300	80.0	71.9	15,290	80.0	74.9	13,620*	80.0	73.2	15,490	80.0	76.9	10,600*	85.0	73.0	14,240	85.0	77.3	8,460*
80.0	70.3	15,030	80.0	72.6	15,670	85.0	70.5	13,910	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 90.0	68.8 67.4	13,660 12,470	85.0 90.0	71.2 69.7	14,240 13,000	90.0 95.0	69.1 67.6	12,690 11,550	90.0 95.0	72.1 70.5	12,890 * 12,210	90.0 95.0	70.6 69.2	12,890 11,720	90.0 95.0	74.2 72.7	10,030 * 9,740*	95.0 100.0	70.4 69.2	11,860 10,890	95.0 100.0	74.6 73.3	7,950 * 7,760*
95.0	65.8	11,330	95.0	68.1	11,810	100.0	66.2	10,600	100.0	69.1	11,190	100.0	67.8	10,750	100.0	71.4	9,500*	105.0	67.9	10,000	105.0	72.0	7,530*
100.0	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 8,200	110.0	66.1	9,470	110.0	65.1	9,100 8,350	110.0	68.5	9,060 *	115.0 120.0	65.2	8,460 7,820	115.0 120.0	69.2 67.8	7,160 * 7,010*
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	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	66.4	6,850*
120.0	58.0	7,380	120.0	60.1	7,710	125.0	58.8	6,980	125.0	61.4	7,380	125.0	60.8	7,120	125.0	64.1	7,640	130.0	61.1	6,670	130.0	65.0	6,700*
125.0	56.4	6,810	125.0	58.4	7,090	130.0	57.2	6,430	130.0	59.8	6,830	130.0	59.3	6,560	130.0	62.6	7,070	135.0	59.7	6,150*	135.0	63.6	6,540*
130.0 135.0	54.7 53.0	6,280 5,770 *	130.0 135.0	56.8 55.0	6,540 6,040	135.0 140.0	55.6 53.9	5,950 5,370 *	135.0 140.0	58.2 56.4	6,300 5,770	135.0 140.0	57.8 56.2	6,080 5,510 *	135.0 140.0	61.1 59.4	6,540 6,010	140.0 145.0	58.2 56.8	5,590* 5,110 *	140.0 145.0	62.0 60.5	6,210 5,700 *
140.0	51.2	5,180*	140.0	53.1	5,480*	145.0	52.3	4,870*	145.0	54.7	5,260*	145.0	54.7	5,020*	145.0	57.8	5,510*	150.0	55.3	4,620*	150.0	59.0	5,220*
145.0	49.4	4,650*	145.0	51.3	4,960*	150.0	50.6	4,380*	150.0	53.0	4,760*	150.0	53.1	4,540*	150.0	56.2	5,020*	155.0	53.8	4,210*	155.0	57.5	4,760*
150.0 155.0	47.6	4,160*				155.0 160.0	48.8 46.9	3,920*				155.0 160.0	51.5	4,100*	155.0	54.5	4,560*	160.0 165.0	52.2	3,760*	160.0 165.0	55.8 54.1	4,290*
160.0	45.7 43.6	3,680 * 3,210*				165.0	46.9 45.1	3,460 * 3,040*				165.0	49.8 48.1	3,630 * 3,240*	160.0	52.7	4,070*	100.0	50.6	3,370*	170.0	54.1 52.4	3,880* 3,480*
	.5.0	0,2.0						5,5 .5						5,2.0								52	5,.00
Ree		1		ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1	Ree	ves	1
	190)' Boo	m																				
			t J ib					40 t	t Jib					50 f	t J ib					601	t Jib		
	10		ngle (d	riea i						$1 \sim 1$													
Load	Boom			<u> </u>				O set Ai	ngie (a 	<u> </u>) set Ai	ngle (d	<u> </u>) set A	ngle (c	<u> </u>	
Radius		Rated	Load	30 Boom	Rated	Load	10 Boom		Load	30 Boom	Rated	Load	10 Boom	O set Ai Rated	Load	30 Boom	Rated	Load	10 Boom	O set A	ngle (c	deg.) 30 Boom	Rated
(ft)	Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	30		Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)		30		Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)		30	Rated Load (lbs)	Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	ngle (c	30	Rated Load (lbs)
(ft) 50.0 55.0		Rated Load	Radius	30 Boom Angle	Rated Load	Radius	10 Boom Angle	Rated Load	Load Radius	30 Boom Angle	Rated Load	Radius	10 Boom Angle	Rated Load	Load Radius	30 Boom Angle	Load	Radius	10 Boom Angle	Rated Load (lbs) 18,000*	ngle (c Load Radius	30 Boom Angle	Load
50.0 55.0 60.0	79.4 78.0 76.7	Rated Load (lbs) 19,440* 19,020* 18,620*	Radius (ft) 60.0	30 Boom Angle (deg.)	Rated 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)	30 Boom Angle (deg.)	Rated Load (lbs)	Radius (ft) 60.0 65.0 70.0	78.9 76.5	Rated Load (lbs) 18,470* 18,070* 17,700*	Load Radius (ft)	30 Boom Angle (deg.)	Load (lbs)	Radius (ft) 60.0 65.0 70.0	79.7 78.5 77.4	Rated Load (lbs) 18,000* 17,960* 17,590*	ngle (c Load Radius	30 Boom Angle	Load
50.0 55.0 60.0 65.0	79.4 78.0 76.7 75.4	Rated Load (lbs) 19,440* 19,020* 18,620* 18,250*	Radius (ft) 60.0 65.0	30 Boom Angle (deg.)	Rated Load (lbs) 18,250* 17,870*	Fadius (ft) 55.0 60.0 65.0 70.0	79.2 77.9 76.6 75.4	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810*	Load Radius (ft) 65.0 70.0	30 Boom Angle (deg.) 79.6 78.3	Rated Load (lbs) 15,100* 14,660*	Radius (ft) 60.0 65.0 70.0 75.0	78.9 77.7 76.5 75.2	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930	Load Radius (ft)	30 Boom Angle (deg.)	Load (lbs) 11,040*	60.0 65.0 70.0 75.0	## Doom Angle (deg.) 79.7 78.5 77.4 76.1	Rated Load (lbs) 18,000* 17,960* 17,590* 17,080	Load Radius (ft)	30 Boom Angle (deg.)	Load (lbs)
50.0 55.0 60.0	79.4 78.0 76.7	Rated Load (lbs) 19,440* 19,020* 18,620*	Radius (ft) 60.0	30 Boom Angle (deg.)	Rated 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)	30 Boom Angle (deg.)	Rated Load (lbs)	Radius (ft) 60.0 65.0 70.0	78.9 76.5	Rated Load (lbs) 18,470* 18,070* 17,700*	Load Radius (ft)	30 Boom Angle (deg.)	Load (lbs) 11,040* 10,730* 10,420*	Radius (ft) 60.0 65.0 70.0	79.7 78.5 77.4	Rated Load (lbs) 18,000* 17,960* 17,590*	ngle (c Load Radius	30 Boom Angle	Load
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	Rated 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	30 Boom Angle (deg.) 79.0 77.7 76.3 74.9 73.5	Rated Load (lbs) 18,250* 17,870* 17,520* 17,150 15,520	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 Padius (ft) 65.0 70.0 75.0 80.0 85.0	30 Boom Angle (deg.) 79.6 78.3 76.9 75.6 74.3	15,100* 14,660* 14,190* 13,800* 13,420*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0	78.9 77.7 76.5 75.2 73.9 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	11,040* 10,730* 10,420* 10,160*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6	Rated 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*
50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	79.4 78.0 76.7 75.4 74.0 72.6 71.2 69.9	Pated Load (lbs) 19,440* 19,020* 18,620* 18,250* 17,870* 16,420 14,850 13,490	60.0 65.0 70.0 75.0 80.0	30 Boom Angle (deg.) 79.0 77.7 76.3 74.9 73.5 72.1	18,250* 17,870* 17,520* 17,150 15,520 14,080	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 70.1	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810* 16,710 15,120 13,730 12,520	65.0 70.0 75.0 80.0 85.0 90.0	30 Boom Angle (deg.) 79.6 78.3 76.9 75.6 74.3 72.9	15,100* 14,660* 14,190* 13,800* 13,420* 13,090*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690 11,550	Load Radius (ft) 75.0 80.0 85.0 90.0 95.0	30 Boom Angle (deg.) 78.7 77.5 76.2 74.9 73.5	11,040* 10,730* 10,420* 10,160* 9,870*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.7 78.5 77.4 76.1 73.8	Rated Load (lbs) 18,000* 17,960* 17,990* 17,080 15,470 14,060 12,830 11,680	Load Radius (ft) 80.0 85.0 90.0 95.0	30 Boom Angle (deg.) 79.1 77.9 76.6 75.3	8,790* 8,550* 8,310* 8,060*
50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	79.4 78.0 76.7 75.4 74.0 72.6 71.2	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	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4	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	15,100* 14,660* 14,190* 13,800* 13,420*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	78.9 77.7 76.5 75.2 73.9 71.4	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690 11,550 10,580 9,720	Load Radius (ft) 75.0 80.0 85.0 90.0	30 Boom Angle (deg.) 78.7 77.5 76.2 74.9	11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 71.3	Rated Load (lbs) 18,000* 17,960* 17,590* 15,470 14,060 12,830 11,680 10,710 9,830	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* 8,060* 7,840* 7,640*
50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	79.4 78.0 76.7 75.4 74.0 72.6 71.2 69.9 68.5 67.0 65.6	Rated Load (lbs) 19,440* 19,020* 18,620* 18,250* 17,870* 16,420 14,850 13,490 12,270 11,150 10,200	60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	79.0 77.7 76.3 74.9 73.5 72.1 70.7 69.2 67.7	Rated Load (lbs) 18,250* 17,870* 17,520* 15,520 14,080 12,850 11,660 10,670	75.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 70.1 68.7 67.3 66.0	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810* 16,710 15,120 13,730 12,520 11,370 10,420 9,540	Load Fadius (ft) 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	79.6 78.3 76.9 75.6 74.3 72.9 71.5 70.1 68.7	Rated Load (lbs) 15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0	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	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	75.0 80.0 85.0 90.0 100.0 105.0 110.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6	11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 71.3 70.1 68.8 67.6	Rated Load (lbs) 18,000* 17,960* 17,590* 17,080 15,470 14,060 12,830 11,680 10,710 9,830 9,030	80.0 85.0 90.0 100.0 110.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5	8,790* 8,550* 8,310* 8,060* 7,840* 7,640* 7,450*
50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	79.4 78.0 76.7 75.4 74.0 72.6 71.2 69.9 68.5 67.0 65.6 64.1	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* 17,520 15,520 14,080 12,850 11,660 10,670 9,780	Fadius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0	79.2 77.9 76.6 75.4 74.0 72.7 71.4 70.1 68.7 67.3	Rated Load (lbs) 18,950* 18,560* 18,160* 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	78ted 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	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 8,920 8,170	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	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	Rated Load (lbs) 18,000* 17,960* 17,590* 17,590* 15,470 14,060 12,830 10,710 9,830 9,030 8,260*	Radius (ft) 80.0 85.0 90.0 95.0 100.0 105.0	79.1 77.9 76.6 75.3 74.1 72.8	8,790* 8,550* 8,310* 8,060* 7,840* 7,640*
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	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	Rated Load (lbs) 19,440* 19,020* 18,620* 18,8250* 17,870* 16,420 11,150 10,200 9,340 8,570 7,840	60.0 65.0 70.0 75.0 85.0 90.0 95.0 100.0 115.0	79.0 77.7 76.3 74.9 73.5 72.1 70.7 69.2 67.7 66.3 64.8 63.2	Rated Load (lbs) 18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 11,660 10,670 9,780 8,970 8,200	75.0 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 115.0 120.0	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	Rated Load (fbs) 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	Load Radius (ft) 65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0	79.6 78.3 76.9 75.6 74.3 72.9 71.5 66.8 64.3	7,840 15,100* 14,660* 14,190* 13,800* 13,420* 13,990* 12,050 11,040 10,140 9,320 8,530 7,840	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 110.0 115.0 120.0 125.0	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	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690 11,550 10,580 9,720 8,920 8,170 7,510 6,900*	75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0 125.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3	11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190* 8,810 8,130 7,490	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 110.0 115.0 120.0 125.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 71.3 70.1 68.8 67.6 66.3 65.0 63.7	Rated Load (lbs) 18,000* 17,960* 17,960* 17,980* 17,080 15,470 14,060 12,830 11,680 10,710 9,830 9,030 8,260* 7,580* 6,940*	80.0 85.0 95.0 100.0 110.0 115.0 120.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 70.2 68.9 67.5	8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,270* 7,090* 6,940*
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* 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 85.0 90.0 95.0 100.0 115.0 120.0	300 Boom Angle (deg.) 79.0 77.7 76.3 74.9 73.5 72.1 70.7 66.3 64.8 63.2 61.7	Rated Load (lbs) 18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 10,670 9,780 8,970 8,200 7,530	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 68.7 66.0 64.6 63.1 61.7 60.3	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810* 16,710 15,120 13,730 12,520 11,370 10,420 9,540 8,770 8,020 7,380 6,790	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	Rated Load (lbs) 15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140 9,320 8,530 7,840 7,230	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 110.0 115.0 120.0 130.0	78.9 77.7 76.5 75.2 73.9 72.7 71.4 68.8 67.5 66.2 64.8 63.5 62.1 60.8	Rated Load (fbs) 18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690 11,550 10,580 9,720 8,920 8,170 7,510 6,900* 6,300*	75.0 80.0 85.0 90.0 100.0 110.0 120.0 120.0 130.0	300 Boom Angle (deg.) 78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3 63.9	11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,190* 8,810 8,130 7,490 6,870*	Radius (ft) 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 115.0 120.0 130.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 66.3 65.0 66.3 65.0 63.7 62.4	Rated Load (fbs) 18,000* 17,960* 17,960* 17,790* 17,080 15,470 14,060 12,830 11,680 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,370*	Rode (cc / Coad Radius (ft) 80.0 85.0 99.0 100.0 115.0 120.0 125.0 130.0	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* 7,270* 7,090* 6,940* 6,790*
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	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 (lbs) 19,440* 19,020* 18,620* 18,8250* 17,870* 16,420 11,150 10,200 9,340 8,570 7,840	60.0 65.0 70.0 75.0 85.0 90.0 95.0 100.0 115.0	79.0 77.7 76.3 74.9 73.5 72.1 70.7 69.2 67.7 66.3 64.8 63.2	Rated Load (lbs) 18,250* 17,870* 17,520* 17,150 15,520 14,080 12,850 11,660 10,670 9,780 8,970 8,200	75.0 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 115.0 120.0	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	Rated Load (fbs) 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	Load Radius (ft) 65.0 70.0 75.0 80.0 85.0 90.0 100.0 115.0 120.0	79.6 78.3 76.9 75.6 74.3 72.9 71.5 66.8 64.3	7,840 15,100* 14,660* 14,190* 13,800* 13,420* 13,990* 12,050 11,040 10,140 9,320 8,530 7,840	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 110.0 115.0 120.0 125.0	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	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690 11,550 10,580 9,720 8,920 8,170 7,510 6,900*	75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0 125.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3	11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190* 8,810 8,130 7,490	Radius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 110.0 115.0 120.0 125.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 71.3 70.1 68.8 67.6 66.3 65.0 63.7	Rated Load (lbs) 18,000* 17,960* 17,960* 17,980* 17,080 15,470 14,060 12,830 11,680 10,710 9,830 9,030 8,260* 7,580* 6,940*	80.0 85.0 95.0 100.0 110.0 115.0 120.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 70.2 68.9 67.5	8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,270* 7,090* 6,940*
50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 120.0 120.0 130.0 135.0	79.4 78.0 76.7 75.4 74.0 72.6 71.2 69.9 68.5 67.0 65.6 64.1 59.6 58.1 56.6 55.0	Rated Load (lbs) 19,440* 19,020* 18,620* 17,870* 16,420 14,850 13,490 12,270 11,150 10,200 9,340 8,570 7,840 7,200 6,630 6,040* 5,460*	60.0 65.0 70.0 75.0 80.0 85.0 995.0 100.0 115.0 120.0 125.0 130.0 135.0	79.0 79.0 77.7 76.3 74.9 73.5 70.7 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*	Redius (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	70.0 Boom Angle (deg.) 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 57.4 55.8	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810* 16,710 15,120 13,730 12,520 11,370 10,420 9,540 8,770 8,020 7,380 6,790 6,190* 5,640* 5,070*	Load Radius (ft) 65.0 70.0 75.0 80.0 90.0 100.0 115.0 125.0 135.0 140.0	79.6 78.3 76.9 75.6 74.3 72.9 65.8 64.3 62.9 61.4 59.9 58.2	Rated Load (lbs) 15,100* 14,660* 14,190* 13,800* 13,420* 13,090* 12,050 11,040 10,140 9,320 8,530 7,840 7,230 6,650 6,080* 5,510*	Redius (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	78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 62.1 60.8 59.4 57.9 56.4	Rated Load (fbs) 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*	75.0 80.0 85.0 90.0 100.0 115.0 125.0 130.0 145.0 145.0 145.0 145.0 145.0 145.0 145.0	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	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	Rated Load (fbs) 18,000* 17,960* 17,590* 17,080 15,470 14,060 12,830 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,370* 5,820* 5,260* 4,780*	Redius (ft) 80.0 85.0 90.0 95.0 105.0 115.0 125.0 135.0 140.0 145.0	79.1 77.9 76.6 76.3 74.1 72.8 68.9 67.5 66.2 64.8 63.4 62.0	8,790* 8,550* 8,310* 7,640* 7,640* 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 90.0 100.0 115.0 125.0 135.0 140.0	79.4 78.0 76.7 75.4 74.0 72.6 69.9 68.5 67.0 65.6 64.1 59.6 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 8,570 7,840 7,200 6,630 6,040* 5,460* 4,890*	60.0 65.0 70.0 75.0 80.0 85.0 99.0 100.0 110.0 120.0 125.0 130.0 140.0	79.0 77.7 76.3 74.9 73.5 72.1 70.7 66.3 64.8 63.2 60.1 58.5 56.9 55.2	Rated Load (lbs) 18,250* 17,870* 17,520* 15,520 14,080 12,850 10,670 9,780 8,200 7,530 6,940 6,370 5,790* 5,220*	Redius (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	70.0 Boom Angle (deg.) 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 57.4 55.8 54.2	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810* 16,710 15,120 13,730 12,520 11,370 10,420 9,540 8,770 8,020 7,380 6,790 6,190* 5,640* 5,070* 4,580*	Load Fadius (ft) 65.0 70.0 75.0 80.0 85.0 90.0 105.0 110.0 120.0 125.0 135.0 140.0 145.0	79.6 78.3 76.9 75.6 74.3 72.9 71.5 70.1 68.7 67.3 65.8 64.3 96.1.4 59.9 58.2 56.6	Rated Load (lbs) 15,100* 14,660* 14,190* 13,800* 13,420* 12,050 11,040 10,140 9,320 7,840 7,230 6,650 6,080* 5,510* 4,980*	Redius (ft) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 110.0 125.0 130.0 140.0 145.0 150.0	78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 66.2 64.8 63.5 62.1 60.8 59.4 57.9 56.4	Rated Load (fbs) 18,470* 18,070* 17,700* 16,930 15,320 13,930 12,690 11,550 10,580 9,720 8,920 8,170 7,510 6,900* 6,300* 5,750* 5,200* 4,710* 4,250*	75.0 80.0 85.0 90.0 105.0 110.0 120.0 135.0 140.0 145.0 150.0	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	11,040* 10,730* 10,420* 10,160* 9,870* 9,190* 8,810 8,130 7,490 6,870* 6,300* 5,730* 5,220* 4,730*	Padius (ti) 60.0 65.0 70.0 75.0 80.0 85.0 90.0 90.0 1100.0 125.0 130.0 135.0 140.0 145.0 150.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 66.3 65.0 63.7 62.4 61.1 59.7 58.3 56.9	Rated Load (fbs) 18,000* 17,960* 17,590* 17,080 15,470 14,060 12,430 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,370* 5,820* 5,260* 4,780* 4,340*	Redius (ft) 80.0 85.0 90.0 95.0 100.0 115.0 125.0 135.0 140.0 145.0 150.0	79.1 77.9 76.6 75.3 74.1 72.8 71.5 66.2 64.8 63.4 62.0 60.5	8,790* 8,550* 8,310* 8,060* 7,840* 7,450* 7,090* 6,940* 6,790* 6,480* 5,900* 5,400* 4,930*
50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 120.0 120.0 130.0 135.0	79.4 78.0 76.7 75.4 74.0 72.6 69.9 68.5 67.0 65.6 64.1 59.6 58.1 56.6 55.0 53.3 51.6	Rated Load (lbs) 19,440* 19,020* 18,620* 17,870* 16,420 14,850 13,490 12,270 11,150 10,200 9,340 8,570 7,840 7,200 6,630 6,040* 5,460*	60.0 65.0 70.0 75.0 80.0 85.0 995.0 100.0 115.0 120.0 125.0 130.0 135.0	79.0 79.0 77.7 76.3 74.9 73.5 72.1 70.7 66.3 64.8 63.2 61.7 60.1 58.5 56.9	Rated Load (lbs) 18,250* 17,870* 17,150 15,520 14,080 12,850 11,660 10,670 9,780 8,970 8,200 7,530 6,940 6,370 5,790*	Redius (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	70.0 Boom Angle (deg.) 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 57.4 55.8	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810* 16,710 15,120 13,730 12,520 11,370 10,420 9,540 8,770 8,020 7,380 6,790 6,190* 5,640* 5,070*	Load Radius (ft) 65.0 70.0 75.0 80.0 90.0 100.0 115.0 125.0 135.0 140.0	79.6 78.3 76.9 75.6 74.3 72.9 65.8 64.3 62.9 61.4 59.9 58.2	Rated Load (lbs) 15,100* 14,660* 14,190* 13,800* 13,420* 13,090* 12,050 11,040 10,140 9,320 8,530 7,840 7,230 6,650 6,080* 5,510*	Redius (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	78.9 77.7 76.5 75.2 73.9 72.7 71.4 70.1 68.8 67.5 62.1 60.8 59.4 57.9 56.4	Rated Load (fbs) 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*	75.0 80.0 85.0 90.0 100.0 115.0 125.0 130.0 145.0 145.0 145.0 145.0 145.0 145.0 145.0	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	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	Rated Load (fbs) 18,000* 17,960* 17,590* 17,080 15,470 14,060 12,830 10,710 9,830 9,030 8,260* 7,580* 6,940* 6,370* 5,820* 5,260* 4,780*	Redius (ft) 80.0 85.0 90.0 95.0 105.0 115.0 125.0 135.0 140.0 145.0	79.1 77.9 76.6 76.3 74.1 72.8 68.9 67.5 66.2 64.8 63.4 62.0	8,790* 8,550* 8,310* 7,640* 7,640* 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 95.0 110.0 125.0 130.0 135.0 140.0 145.0	79.4 78.0 76.7 75.4 74.0 72.6 69.9 68.5 67.0 65.6 64.1 56.6 55.0 53.3 51.6 50.0	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 8,570 7,840 7,200 6,040* 5,460* 4,890* 4,380*	60.0 65.0 70.0 75.0 85.0 90.0 105.0 115.0 120.0 125.0 130.0 140.0 145.0	79.0 77.7 76.3 74.9 73.5 72.1 70.7 66.3 64.8 63.2 66.1 55.2 53.5	Rated Load (lbs) 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*	Redius (ft) 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 105.0 115.0 125.0 135.0 140.0 145.0 150.0	79.2 77.9 76.6 77.4 77.4 70.1 68.7 66.0 64.6 63.1 61.7 55.8 57.4 55.8 54.2 52.7	Rated Load (bs) 18,950* 18,560* 18,160* 17,810* 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 Fadius (ft) 65.0 70.0 75.0 80.0 85.0 90.0 105.0 110.0 120.0 135.0 140.0 145.0 150.0	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 55.0 55.0	7,230 6,650 6,080* 5,510* 14,190* 13,420* 13,420* 12,050 11,040 10,140 9,320 8,530 6,650 6,080* 5,510* 4,980* 4,490*	Redius (tt) 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	76.5 75.2 73.9 72.7 71.4 70.1 68.8 63.5 66.2 64.8 63.5 59.4 55.0 53.5	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930 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 90.0 105.0 110.0 125.0 135.0 140.0 155.0 155.0	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	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* 5,703* 6,300* 4,730* 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	70.7 78.5 77.4 77.4 77.4 77.4 77.4 77.4 77.4 77	Rated Load (lbs) 18,000* 17,960* 17,590* 17,590* 17,080 12,830 11,680 10,710 9,830 9,030 8,260* 7,580* 6,340* 5,820* 5,260* 4,780* 4,340* 3,900*	Role (control of the control of the	79.1 77.9 76.6 75.3 74.1 72.8 71.5 70.2 68.9 67.5 66.2 64.8 63.4 62.0 60.5 59.1 57.5 56.0	8,790* 8,550* 8,310* 8,060* 7,840* 7,640* 7,450* 7,090* 6,940* 6,480* 5,900* 4,470* 4,030* 4,670* 4,030* 3,610*
50.0 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	79.4 78.0 76.7 75.4 74.0 72.6 69.9 68.5 67.0 65.6 64.1 56.6 55.0 53.3 51.6 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 6,040* 5,460* 4,890* 4,380* 3,920*	60.0 65.0 70.0 75.0 85.0 90.0 105.0 115.0 120.0 125.0 130.0 140.0 145.0	79.0 77.7 76.3 74.9 73.5 72.1 70.7 66.3 64.8 63.2 66.1 55.2 53.5	Rated Load (lbs) 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*	Redius (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 76.6 75.4 71.4 70.1 68.7 66.0 64.6 63.1 61.7 60.3 58.8 57.4 54.2 52.7 51.0	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810* 15,120 13,730 12,520 11,370 10,420 9,540 8,770 8,020 7,380 6,790 6,190* 5,640* 5,070* 4,580* 4,120* 3,680*	Load Fadius (ft) 65.0 70.0 75.0 80.0 85.0 90.0 105.0 110.0 120.0 135.0 140.0 145.0 150.0	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 55.0 55.0	7,230 6,650 6,080* 5,510* 14,190* 13,420* 13,420* 12,050 11,040 10,140 9,320 8,530 6,650 6,080* 5,510* 4,980* 4,490*	Redius (tt) 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	76.5 75.2 73.9 72.7 71.4 70.1 68.8 63.5 66.2 64.8 63.5 59.4 55.0 53.5	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930 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 90.0 105.0 115.0 125.0 135.0 155.0 160.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3 63.9 62.5 60.9 57.9 56.4 54.7	11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190* 8,810 8,130 7,490 6,870* 6,300* 5,703* 4,730* 4,730* 4,730* 4,730* 4,290* 3,830*	Padius (ti) 60.0 65.0 75.0 80.0 95.0 100.0 115.0 125.0 135.0 145.0 155.0 160.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 66.3 65.0 63.7 62.4 65.1 55.5 54.0	Rated Load (lbs) 18,000** 17,960* 17,590* 17,590* 14,060 12,830 11,680 10,710 9,830 9,030 8,260* 7,580* 6,340* 5,820* 5,260* 4,780* 4,340* 3,900* 3,480*	Role (control of the control of the	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	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 90.0 100.0 115.0 120.0 135.0 140.0 145.0 150.0	79.4 78.0 76.7 75.4 74.0 72.6 69.9 68.5 67.0 65.6 64.1 56.6 55.0 53.3 51.6 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 6,040* 5,460* 4,890* 4,380* 3,920*	60.0 65.0 70.0 75.0 85.0 90.0 105.0 115.0 120.0 125.0 130.0 140.0 145.0	79.0 77.7 76.3 74.9 73.5 72.1 70.7 66.3 64.8 63.2 66.1 55.2 53.5	Rated Load (lbs) 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*	Redius (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 76.6 75.4 71.4 70.1 68.7 66.0 64.6 63.1 61.7 60.3 58.8 57.4 54.2 52.7 51.0	Rated Load (lbs) 18,950* 18,560* 18,160* 17,810* 15,120 13,730 12,520 11,370 10,420 9,540 8,770 8,020 7,380 6,790 6,190* 5,640* 5,070* 4,580* 4,120* 3,680*	Load Fadius (ft) 65.0 70.0 75.0 80.0 85.0 90.0 105.0 110.0 120.0 135.0 140.0 145.0 150.0	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 55.0 55.0	7,230 6,650 6,080* 5,510* 14,190* 13,420* 13,420* 12,050 11,040 10,140 9,320 8,530 6,650 6,080* 5,510* 4,980* 4,490*	Redius (tt) 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	76.5 75.2 73.9 72.7 71.4 70.1 68.8 63.5 66.2 64.8 63.5 59.4 55.0 53.5	Rated Load (lbs) 18,470* 18,070* 17,700* 16,930 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 90.0 105.0 115.0 125.0 135.0 155.0 160.0	78.7 77.5 76.2 74.9 73.5 72.2 70.9 69.6 68.1 66.7 65.3 63.9 62.5 60.9 57.9 56.4 54.7	11,040* 10,730* 10,420* 10,160* 9,870* 9,630* 9,410* 9,190* 8,810 8,130 7,490 6,870* 6,300* 5,703* 4,730* 4,730* 4,730* 4,730* 4,290* 3,830*	Padius (ti) 60.0 65.0 75.0 80.0 95.0 100.0 115.0 125.0 135.0 145.0 155.0 160.0	79.7 78.5 77.4 76.1 74.9 73.8 72.6 66.3 65.0 63.7 62.4 65.1 55.5 54.0	Rated Load (lbs) 18,000** 17,960* 17,590* 17,590* 14,060 12,830 11,680 10,710 9,830 9,030 8,260* 7,580* 6,340* 5,820* 5,260* 4,780* 4,340* 3,900* 3,480*	Role (control of the control of the	79.1 77.9 76.6 75.3 74.1 72.8 71.5 70.2 68.9 67.5 66.2 64.8 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* 3,610*

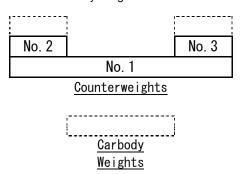
Supplemental Data - Clamshell

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

Maximum Load for Main Boom

No. of Parts of line	1
	00.000
Maximum Loads (lbs)	22,000

- 10. Rated loads listed apply only to the machine as originally manufactured and designed by KOBELCO CRANES CO., LTD. Modifications to this machine or use of equipment oth than that specified can reduce operating capacity.
- Assembling the Counterweight
 43,600 lbs counterweight (No. 1 ~ No. 3)
 Without Carbody weights



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

Clamshell

Boom:

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

Basic boom length: 40 ft (12.2 m) Max. boom length: 120 ft (36.6 m)

Limit on clamshell bucket weight: 4,600 lbs (2,100 kg)
Optional tagline: Hydraulic operated type and spring type.

Boom Component Chart:

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

Base = Boom Base

Insert: A = 10 ft (3.05 m)

B = 20 ft (6.10 m)

C = 40 ft (12.2 m)

Tip = Boom Tip

- 1. Figures represent maximum allowable capacity, and assume level, ground and ideal working conditions.
- 2. Capacities are calculated at 66% of the minimum tipping loads.
- 3. Capacities are maximum recommended by PCSA Standard #4. Allowances must be made by the user for such unfavorable conditions as a sort of uneven supporting surface, rapid cycle operations, or bucket.
- 4. The combined weight of the bucket and load must not exceed these capacities.

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

40)' Boo	m	50)' Boo	m		60)' Boo	m
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (Ibs)	Load Radius (ft)	Boom Angle (deg.)	Rated	60° d Load bs)	Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (Ibs)
22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	63.7 60.5 57.1 53.5 49.8 45.9 41.7 37.0 31.8 25.7	22,000 * 22,000 * 22,000 * 22,000 * 22,000 * 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	22,0 22,0 21,4 20,4 19,2 18,4 17,3 16,5	000 * 000 * 000 * 000 * 400 * 200 * 200 * 300 * 300 *	30.0 32.0 34.0 36.0 38.0 40.0 42.0 46.0 48.0 50.0 52.0 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 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 12,500 *

Refer to notes on page 29.

Clamshell

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

	70)' Boo	m	80)' Boo	m	9()' Boo	m
	Load	Boom	360°	Load	Boom	360°	Load	Boom	360°
	Radius		Rated Load	Radius	Angle	Rated Load	Radius	Angle	Rated Load
	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)	(ft)	(deg.)	(lbs)
Г	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	59.3	18,200 *	44.0	60.2	16,500 *	48.0	60.9	15,200 *
	42.0 44.0	57.4 55.4	17,300 * 16,500 *	46.0 48.0	58.6 56.9	15,800 * 15,200 *	50.0 52.0	59.5 58.0	14,600 * 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	49.1	14,600 *	54.0	51.5	13,500 *	58.0	53.3	12,500 *
	52.0	46.9	14,000 *	56.0	49.6	13,000 *	60.0	51.7	12,100 *
	54.0	44.6	13,500 *	58.0	47.7	12,500 *	62.0	50.0	11,700 *
	56.0 58.0	42.2 39.6	13,000 * 12,500 *	60.0 62.0	45.7 43.7	12,100 * 11,700 *	64.0 66.0	48.3 46.6	11,400 * 11,000 *
	60.0	37.0	12,100 *	64.0	41.5	11,400 *	68.0	44.8	10,700 *
	62.0	34.1	11,700 *	66.0	39.3	11,000 *	70.0	43.0	10,400 *
	64.0	31.0	11,400 *	68.0	37.0	10,700 *	72.0	41.0	10,100 *
ı	66.0	27.6	11,000 *	70.0	34.5	10,400 *	74.0	39.0	9,700
ı				72.0 74.0	31.8 28.9	10,100 * 9,800 *	76.0 78.0	36.9 34.7	9,200 9,000
ı				76.0	25.7	9,400 *	80.0	32.4	8,500
ı				7 0.0	2017	27.00	82.0	29.9	8,300
ı							84.0	27.2	7,900
ı									
ı									
ı									
ı									
	10	0' Boo	om	11	0' Boo	om	12	 0' Boo	om
		0' Boom			0' Boom			0' Boom	
	Load Radius	Boom Angle	360° Rated Load	Load Radius	Boom Angle	360° Rated Load	Load Radius	Boom Angle	360° Rated Load
	Load	Boom	360°	Load	Boom	360°	Load	Boom	360°
F	Load Padius (ft) 46.0	Boom Angle (deg.) 65.4	360° Rated Load (lbs) 15,800 *	Load Radius (ft) 56.0	Boom Angle (deg.) 62.0	360° Rated Load (lbs) 11,900 *	Load Radius (ft) 56.0	Boom Angle (deg.) 64.5	360° Rated Load (Ibs) 11,400 *
F	Load Padius (ft) 46.0 48.0	Boom Angle (deg.) 65.4 64.1	360° Rated Load (lbs) 15,800 * 15,200 *	Load Radius (ft) 56.0 58.0	Boom Angle (deg.) 62.0 60.8	360° Rated Load (lbs) 11,900 * 11,700 *	Load Radius (ft) 56.0 58.0	Boom Angle (deg.) 64.5 63.4	360° Rated Load (lbs) 11,400 * 11,300 *
ŀ	Load Padius (ft) 46.0 48.0 50.0	Boom Angle (deg.) 65.4 64.1 62.8	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 *	Load Radius (ft) 56.0 58.0 60.0	Boom Angle (deg.) 62.0 60.8 59.6	360 Rated Load (lbs) 11,900 * 11,700 * 11,600 *	Load Radius (ft) 56.0 58.0 60.0	Boom Angle (deg.) 64.5 63.4 62.3	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 *
F	Load Padius (ft) 46.0 48.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5	360° Rated Load (lbs) 15,800 * 15,200 *	Load Radius (ft) 56.0 58.0	Boom Angle (deg.) 62.0 60.8	360° Rated Load (lbs) 11,900 * 11,700 *	Load Radius (ft) 56.0 58.0	Boom Angle (deg.) 64.5 63.4	360° Rated Load (lbs) 11,400 * 11,300 *
-	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 Radius (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° Rated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,800 *	Load Radius (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° Rated 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 58.8 57.5	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 55.8 54.6	360 Rated 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° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 * 10,800 * 10,600 * 10,200 *
<i> </i>	Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 *	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3	360° Rated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,800 * 10,400 * 10,100	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 * 10,800 * 10,600 * 10,200 * 9,900
-	Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0 62.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 * 11,700 *	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0	360 Rated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,800 * 10,400 * 10,100 9,700	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0 72.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 * 10,800 * 10,600 * 10,200 * 9,900 9,500
H	Load Radius (ft) 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 *	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3	360° Rated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,800 * 10,400 * 10,100	Load Radius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 68.0 70.0	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 11,000 * 10,800 * 10,600 * 10,200 * 9,900 9,500 9,100
	Load (ft) 46.0 48.0 50.0 52.0 54.0 56.0 60.0 62.0 64.0 66.0 68.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 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 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8	360° Rated 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 (ft) 46.0 48.0 50.0 52.0 54.0 56.0 66.0 66.0 68.0 70.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 50.4 48.8	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 12,500 * 12,100 * 11,700 * 11,400 * 11,000 * 10,700 * 10,300	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	Boom Angle (deg.) 62.0 60.8 59.6 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4	360° Rated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,400 * 10,100 9,700 9,300 8,900 8,500 8,200	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	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	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
-	Load (ft) 46.0 48.0 50.0 52.0 54.0 56.0 56.0 66.0 64.0 66.0 67.0 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 * 12,100 * 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° Rated 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	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.) 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 (ft) 46.0 48.0 50.0 52.0 54.0 56.0 56.0 66.0 66.0 66.0 70.0 71.0 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° 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 * 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° Rated 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 (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.) 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 * 9,500 9,500 9,100 8,800 8,400 8,100 7,700 7,400
	Load (ft) 46.0 48.0 50.0 52.0 54.0 56.0 56.0 66.0 64.0 66.0 67.0 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 * 12,100 * 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° Rated 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	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.) 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 (ft) 46.0 48.0 50.0 52.0 54.0 58.0 60.0 66.0 66.0 66.0 70.0 74.0 76.0 78.0 80.0	Boom Angle (deg.) 65.4 64.1 62.8 61.5 60.2 58.8 57.5 56.1 54.7 53.3 51.8 47.3 44.8 47.3 45.7 44.1 42.4 40.6	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 12,500 * 12,100 * 11,700 * 11,400 * 11,000 * 10,700 * 10,300 9,900 9,400 9,000 8,800 8,300	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 88.0 90.0	Boom Angle (deg.) 62.0 60.8 59.6 58.3 57.1 55.8 54.6 53.3 52.0 50.6 49.2 47.8 46.4 45.0 43.4 41.9 40.3 38.6	360° Rated 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	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	Boom Angle (deg.) 64.5 63.4 62.3 61.3 60.2 59.0 57.9 56.8 55.6 54.5 53.3 52.1 50.8 49.6 48.3 47.0 45.7 44.3	360° Rated Load (lbs) 11,400 * 11,300 * 11,200 * 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
	Load (ft) 46.0 48.0 50.0 52.0 54.0 58.0 60.0 62.0 64.0 66.0 70.0 74.0 74.0 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° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 * 11,700 * 11,400 * 11,400 * 10,700 * 10,300 9,900 9,400 9,000 8,800 8,300 8,100	Load Padius (ft) 56.0 58.0 60.0 62.0 64.0 66.0 70.0 72.0 74.0 78.0 80.0 82.0 84.0 86.0 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° Rated 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 8,900 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 (ft) 46.0 48.0 50.0 52.0 54.0 58.0 60.0 62.0 64.0 66.0 70.0 74.0 74.0 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° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 * 11,700 * 11,400 * 11,400 * 10,300 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° Rated 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	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° 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 6,200
	Load (ft) 46.0 48.0 50.0 52.0 54.0 56.0 66.0 66.0 64.0 66.0 72.0 74.0 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 47.3 45.7 44.1 42.4 40.6 38.8 36.9 35.0	360° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 * 11,700 * 11,400 * 11,400 * 10,300 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 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.) 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° Rated Load (lbs) 11,900 * 11,700 * 11,600 * 11,300 * 11,100 * 10,400 * 10,400 * 10,100 9,700 9,300 8,900 8,900 8,500 8,500 8,200 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° 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 6,200 6,000
	Load (ft) 46.0 48.0 50.0 52.0 54.0 58.0 60.0 62.0 64.0 66.0 70.0 74.0 74.0 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° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,000 * 12,500 * 12,100 * 11,700 * 11,400 * 11,400 * 10,300 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° Rated 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	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° 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 6,200
	Load (ft) 46.0 48.0 50.0 52.0 54.0 56.0 66.0 66.0 66.0 66.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0 89.0	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° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 12,500 * 12,100 * 11,700 * 11,400 * 11,400 * 10,300 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° Rated 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 7,500 7,200 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° 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 6,200 6,000 5,700 5,500 5,300
	Load (ft) 46.0 48.0 50.0 52.0 54.0 56.0 66.0 66.0 66.0 66.0 70.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0 89.0	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° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 12,500 * 12,100 * 11,700 * 11,700 * 11,400 * 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 72.0 74.0 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° Rated 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	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° 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 6,400 6,200 6,000 5,700 5,500 5,300 5,100
	Load (ft) 46.0 48.0 50.0 52.0 54.0 56.0 66.0 66.0 66.0 66.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 86.0 89.0	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° Rated Load (lbs) 15,800 * 15,200 * 14,600 * 14,000 * 13,500 * 13,500 * 12,500 * 12,100 * 11,700 * 11,400 * 11,400 * 10,300 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° Rated 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 7,500 7,200 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° 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 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	plicable	

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

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

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

Maximum Load for Main Boom

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

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

Maximum Load for Auxiliary Sheave

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

14. Weight of recommended hook block.

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

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

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

Barge

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

	40'	Boon	n				50	Boon	n				60	'Boon	n		
				d Load (lk	ns)				60° Rated	l Load (It	n.s)				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)		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 *				15.0 16.0	79.8 78.8	175,200 * 164,800 *			
15.0	74.6	175,900 *	175,900 *			16.0	76.6	175,600 * 165,300 *				17.0	77.8	155,500 *			
16.0	73.1	165,500 *	165,500 *			17.0	75.4	156,000 *				18.0	76.8	146,900 *			
17.0	71.6	156,300 *	156,300 *	127,700 *		18.0	74.2	147,400 *	143,200 *			19.0	75.9	139,800 *	123,900 *		
18.0	70.1	147,800 * 140,500 *	146,400 * 134,600 *	126,100 *		19.0	72.9	140,100 *	132,200 *			20.0	74.9	132,200	118,100 *		
19.0 20.0	68.5 66.9	132,800	124,900	122,400 * 116,500 *	100,300 *	20.0	71.7 69.3	132,400 115,300	122,900 106,800	98,500 *		24.0	72.9 70.9	115,100	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 45,400	47,200 44,600	46,300 43,800	42.0 44.0	50.9 48.3	46,600 43,800	44,600 42,100	43,500 41,100	42,400 40,200
40.0	23.4	43,900	44,000	43,000	42,300	44.0	36.7	44,300	42,900	42,200	41,500	46.0	45.8	41,100	39,800	38,900	38,100
						46.0	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 *			
D-		_															
Kee	eves	8	7	6	4	Ree	eves	8	6	4	4	Ree	eves	8	5	4	4
Kee		Boon		6	4	Ree		8 Boon		4	4	Ree		' Boor	_	4	4
Kee		Boon	n	6 d Load (lk		Ree		Boon				Rec		'Boor	_		
Load Radius	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° Rated	d Load (II).	os) 2 Degree	Load Radius (ft)	Boom Angle (deg.)	Boon 30 0 Degree Machine List	n 60° Rated 1 Degree	Load (Ik	os) 2 Degree	Load Radius (ft)	Boom Angle (deg.)	Boon 3 0 Degree Machine List	n 60° Rated	d Load (Ik	os) 2 Degree
Load Radius (ft)	Boom Angle (deg.)	Boon 30 0 Degree Machine List 151,000 *	60° Rateo	d Load (Ib 2 Degree Machine	2 Degree Machine	Load Radius (ft)	Boom Angle (deg.) 81.6	Boon 30 0 Degree Machine List 151,000*	1 Degree Machine	Load (II) 2 Degree Machine	2 Degree Machine	Load Radius (ft)	Boom Angle (deg.) 81.9	Boor 3 O Degree Machine List 125,800 *	60° Rateo	Load (II) 2 Degree Machine	2 Degree Machine
Load Radius (ft) 15.0 16.0	Boom Angle (deg.) 81.3 80.4	30 Degree Machine List 151,000 * 151,000 *	60° Rateo	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 (II) 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° Rateo	Load (II) 2 Degree Machine	2 Degree Machine
Load Radius (ft)	Boom Angle (deg.)	Boon 30 0 Degree Machine List 151,000 *	60° Rateo	d Load (Ib 2 Degree Machine	2 Degree Machine	Load Radius (ft)	Boom Angle (deg.) 81.6	Boon 30 0 Degree Machine List 151,000*	1 Degree Machine	Load (II) 2 Degree Machine	2 Degree Machine	Load Radius (ft)	Boom Angle (deg.) 81.9	Boor 3 O Degree Machine List 125,800 *	60° Rateo	Load (II) 2 Degree Machine	2 Degree Machine
Load Radius (ft) 15.0 16.0 17.0	Boom Angle (deg.) 81.3 80.4 79.6	Degree Machine List 151,000 * 149,400 *	60° Rateo	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	Degree Machine List 151,000 * 149,300 * 146,500 *	1 Degree Machine	Load (II) 2 Degree Machine	2 Degree Machine	Load Radius (ft) 17.0 18.0 19.0	Boom Angle (deg.) 81.9 81.3 80.7	30 Degree Machine List 125,800 * 125,800 * 125,800 *	60° Rateo	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	60° Rateo	d Load (Ib 2 Degree Machine	2 Degree Machine	Load Radius (ft) 16.0 17.0 18.0 19.0 20.0 22.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100	1 Degree Machine	Load (II) 2 Degree Machine	2 Degree Machine	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4	30 Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800	60° Rateo	Load (II) 2 Degree Machine	2 Degree Machine
Load Radius (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	30 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 Radius (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 (II) 2 Degree Machine	2 Degree Machine	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1	30 Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100	10 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	60° Rateo	d Load (Ib 2 Degree Machine	2 Degree Machine	Load Radius (ft) 16.0 17.0 18.0 19.0 20.0 22.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3	30 Degree Machine List 151,000 * 149,300 * 146,500 * 139,400 * 131,800 115,100	1 Degree Machine	Load (II) 2 Degree Machine	2 Degree Machine	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4	30 Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800	60° Rateo	Load (II) 2 Degree Machine	2 Degree Machine
Load Radius (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	0 Degree Machine List 151,000 * 151,000 * 146,700 * 139,800 * 132,200 115,400 101,300 89,600 80,800	92,400 82,800 75,000	2 Degree Machine List 68,700 * 67,400 *	2 Degree Machine List	Load Radius (ft) 16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8 71.2	## December 1	1 Degree Machine List 81,800 74,100 67,700	List 2 Degree Machine List 58,100 *	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	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1	30 Degree Machine List 125,800 * 125,800 * 124,000 * 112,500 * 112,500 * 110,800 89,100 80,500 72,800 66,600	1 Degree Machine List 73,000 * 66,900 61,600	2 Degree Machine List	2 Degree Machine
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	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 Radius (ft) 16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8 71.2 69.7	## December 1	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 46,400 *	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1 70.8	30 Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 110,800 89,100 80,500 72,800 66,600 61,600	73,000 * 66,900 61,600 56,900	2 Degree Machine List 50,600 * 49,600 *	2 Degree Machine List
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	68,700 * 67,400 * 65,000 60,100	2 Degree Machine List 53,600 * 51,800 *	Load Radius (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	## December 1	81,800 74,100 67,700 62,200 57,500	# Load (III) 2 Degree Machine List 58,100 * 57,100 * 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 80.0 77.4 76.1 74.8 73.5 72.1 70.8 69.4	## Company	73,000 * 66,900 61,600 56,900 53,000	2 Degree Machine List 50,600 * 49,600 * 49,000 *	2 Degree Machine List 39,900 *
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	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 Radius (ft) 16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 74.3 72.8 71.2 69.7	## Doon 10 Degree Machine List 151,000 * 146,500 * 146,500 * 139,400 * 131,800 101,000 89,200 80,500 72,800 66,600	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 46,400 *	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0	Boom Angle (deg.) 81.9 81.3 80.7 80.0 78.7 77.4 76.1 74.8 73.5 72.1 70.8	30 Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 110,800 89,100 80,500 72,800 66,600 61,600	73,000 * 66,900 61,600 56,900	2 Degree Machine List 50,600 * 49,600 *	2 Degree Machine List
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 1	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 32.0 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	## Description	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 Mechine 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 26.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0	900 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	30 Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 80,500 72,800 66,600 61,600 57,300 53,100 49,300 46,500	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 1	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 77.3 75.8 71.2 69.7 68.2 66.6 65.1 63.5 61.8	## Description ## Des	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 \$ 51,000 \$ 47,800 \$ 45,000 \$ 42,400	2 Degree Mechine List 46,400 * 44,700 * 43,300 * 41,800 * 40,400 * 39,000 *	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0	900 Boom Angle (deg.) 81.9 81.3 80.7 78.0 80.0 78.7 77.4 74.8 73.5 72.1 70.8 69.4 68.0 66.6 65.2 63.8	## Degree Machine List 125,800 * 125,800 * 125,800 * 112,500 * 100,800	73,000 * 66,900 61,600 56,900 49,500 46,300 43,600 41,100	50,600 * 49,600 * 47,000 44,200 41,700 39,500	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 1	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 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	## Description	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 38.0 38.0 38.0 40.0 44.0 44.0 46.0	900 Boom Angle (deg.) 81.9 81.3 80.7 77.4 80.0 76.1 74.8 73.5 72.1 70.8 69.4 68.0 66.6 65.2 63.8 62.4	30 Degree Machine List 125,800 * 125,800 * 125,800 * 124,000 * 112,500 * 100,800 89,100 89,100 89,100 66,600 61,600 57,300 53,100 49,300 46,500 43,700 40,900	73,000 * 66,900 61,600 56,900 49,500 46,300 43,600 41,100 38,900	50,600 * 49,600 * 47,000 * 44,200 * 41,700 39,500 37,400	39,900 * 38,500 * 37,600 * 36,400 * 35,400 * 34,300
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 1	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 32.0 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 77.3 75.8 71.2 69.7 68.2 66.6 65.1 63.5 61.8	## Description ## Des	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 \$ 51,000 \$ 47,800 \$ 45,000 \$ 42,400	2 Degree Mechine List 46,400 * 44,700 * 43,300 * 41,800 * 40,400 * 39,000 *	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0	900 Boom Angle (deg.) 81.9 81.3 80.7 78.0 80.0 78.7 77.4 74.8 73.5 72.1 70.8 69.4 68.0 66.6 65.2 63.8	## Degree Machine List 125,800 * 125,800 * 125,800 * 112,500 * 100,800	73,000 * 66,900 61,600 56,900 49,500 46,300 43,600 41,100	50,600 * 49,600 * 47,000 44,200 41,700 39,500	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 Redius (ft) 16.0 17.0 18.0 19.0 20.0 24.0 22.0 24.0 30.0 32.0 34.0 36.0 38.0 40.0 44.0 44.0 46.0	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	## Description	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 * 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 36.0 38.0 40.0 44.0 44.0 46.0 48.0	900 Boom Angle (deg.) 81.9 81.3 80.7 77.4 80.0 76.1 74.8 73.5 72.1 70.8 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 * 49,000 * 47,000 41,700 39,500 37,400 35,600	39,900 * 38,500 * 36,400 * 36,400 * 36,400 * 36,400 * 36,400 * 36,400 * 36,400 * 30,000 * 29,200
Load Radius (ft) 15.0 16.0 17.0 18.0 19.0 22.0 24.0 24.0 30.0 32.0 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 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	## 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 35,900	68,700 * 67,400 * 65,000 60,100 55,700 52,100 48,700 45,700 43,100 40,800 38,700 36,700 35,100	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 Redius (ft) 16.0 17.0 18.0 19.0 20.0 24.0 26.0 26.0 38.0 30.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 50.0 55.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 71.2 66.6 65.1 63.5 61.8 60.2 58.5 56.8 55.1 50.5	## 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	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 38.0 38.0 34.0 38.0 44.0 44.0 46.0 48.0 55.0 60.0	900 Boom Angle (deg.) 81.9 81.3 80.7 78.7 77.4 76.1 70.8 69.4 68.0 66.6 65.2 63.8 62.4 60.9 59.4 55.7 51.7	## Company	73,000 * 60° Ratece 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 Radius (ft) 15.0 16.0 17.0 18.0 19.0 22.0 24.0 24.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0	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	## ODE ##	92,400 82,800 75,000 68,500 68,500 68,500 68,000 58,300 54,200 50,600 47,400 44,600 42,100 39,800 37,700 35,900 32,000	68,700 * 67,400 * 65,000 60,100 55,700 52,100 48,700 45,700 43,100 40,800 38,700 36,700 31,400	2 Degree Machine List 53,600 * 51,800 * 47,900 * 47,900 * 45,800 41,500 39,700 37,700 35,900 34,300 30,800	Load Radius (ft) 16.0 17.0 18.0 19.0 20.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 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 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	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	Load Radius (tt) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 34.0 44.0 44.0 46.0 48.0 55.0 60.0 65.0	900 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 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° Ratece 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 * 20,200 26,600 24,200
Load Radius (ft) 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	## ODE ##	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 * 65,000 60,100 55,700 52,100 48,700 45,700 43,100 40,800 38,700 36,700 31,400 28,400	53,600 * 51,800 * 47,900 * 47,900 * 45,800 41,500 39,700 37,700 35,900 34,300 30,800 28,100	Load Radius (ft) 16.0 17.0 18.0 19.0 20.0 24.0 24.0 26.0 30.0 30.0 30.0 33.0 40.0 44.0 46.0 48.0 50.0 65.0 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 (tt) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 34.0 44.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0	## Page 12	## Company	73,000 * 60° Ratec 1 Degree Machine List 73,000 * 66,900 61,600 56,900 49,500 46,300 41,100 38,900 36,900 31,200 28,100 25,400 23,100	50,600 * 49,600 * 47,000 * 44,200 * 41,700 * 39,500 * 37,400 * 35,600 * 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 Radius (ft) 15.0 16.0 17.0 18.0 19.0 22.0 24.0 24.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 55.0	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	## ODE ##	92,400 82,800 75,000 68,500 68,500 68,500 68,000 58,300 54,200 50,600 47,400 44,600 42,100 39,800 37,700 35,900 32,000	68,700 * 67,400 * 65,000 60,100 55,700 52,100 48,700 45,700 43,100 40,800 38,700 36,700 31,400	2 Degree Machine List 53,600 * 51,800 * 47,900 * 47,900 * 45,800 41,500 39,700 37,700 35,900 34,300 30,800	Load Radius (ft) 16.0 17.0 18.0 19.0 20.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 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 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	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	Load Radius (tt) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 34.0 44.0 44.0 46.0 48.0 55.0 60.0 65.0	900 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 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° Ratece 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 Radius (ft) 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	## ODE ##	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 * 65,000 60,100 55,700 52,100 48,700 45,700 43,100 40,800 38,700 36,700 31,400 28,400	53,600 * 51,800 * 47,900 * 47,900 * 45,800 41,500 39,700 37,700 35,900 34,300 30,800 28,100	Load Radius (ft) 16.00 17.00 18.00 19.00 22.00 24.00 28.00 30.00 33.00 34.00 34.00 44.00 44.00 44.00 55.00 65.00 65.00 70.00	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	## 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 28,300 25,700 23,400	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 22,800	Load Radius (tt) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 30.0 32.0 34.0 34.0 44.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0 75.0	## Page 12	## 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° Ratec 1 Degree Machine List 73,000 * 66,900 61,600 56,900 56,900 49,500 46,300 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 * 37,600 * 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 20.0 22.0 24.0 28.0 30.0 32.0 34.0 36.0 42.0 44.0 46.0 48.0 55.0 60.0 65.0	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	## ODE ##	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 * 65,000 60,100 55,700 52,100 48,700 45,700 43,100 40,800 38,700 36,700 31,400 28,400	53,600 * 51,800 * 47,900 * 47,900 * 45,800 41,500 39,700 37,700 35,900 34,300 30,800 28,100	Load Radius (ft) 16.0 17.0 18.0 19.0 20.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 44.0 44.0 46.0 48.0 55.0 60.0 65.0 75.0	Boom Angle (deg.) 81.6 80.9 80.2 79.5 78.8 77.3 75.8 66.6 65.1 63.5 61.8 60.2 58.5 56.8 55.1 50.5 45.7 40.4 34.3	## 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 28,300 25,700 23,400	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 22,800	Load Radius (ft) 17.0 18.0 19.0 22.0 24.0 26.0 38.0 38.0 34.0 36.0 38.0 44.0 46.0 48.0 50.0 65.0 70.0 75.0 80.0 85.0	Boom Angle (deg.) 81.9 81.9 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	## Company	73,000 * 66,900 61,600 56,900 49,500 43,600 41,100 38,900 35,100 31,200 28,100 25,400 23,100 21,200 19,600	50,600 * 49,600 * 44,200 * 41,700 39,500 37,400 24,800 22,700 20,800 19,300	39,900 * 38,500 * 36,400 * 35,400 * 34,300 32,000 29,200 26,600 24,200 20,500 19,100

Barge

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

	100)' Booi	m				110)' Boo	m				120)' Boo	m		
				d Load (III	os)				60° Rated	l Load (lk	os)				60° Rated	d Load (lk	os)
Load	Boom	0 Degree Machine	1 Degree Machine	2 Degree Machine	2 Degree Machine	Load Radius	Boom	0 Degree Machine	1 Degree Machine	2 Degree Machine	2 Degree Machine	Load	Boom	0 Degree Machine	1 Degree Machine	2 Degree Machine	2 Degree Machine
Radius (ft)	Angle (deg.)	List	List	List	List	(ft)	Angle (deg.)	List	List	List	List	Radius (ft)	Angle (deg.)	List	List	List	List
19.0	81.6	125,600 *				20.0	81.8	100,800 *				22.0	81.6	98,700 *			
20.0 22.0	81.0 79.9	123,600 * 112,200 *				22.0 24.0	80.8 79.7	100,800 * 96,500 *				24.0 26.0	80.6 79.6	94,200 * 88,000 *			
24.0	78.7	100,600				26.0	78.6	88,500 *				28.0	78.6	79,900			
26.0	77.5	88,900				28.0	77.6	80,200				30.0	77.7	72,200			
28.0	76.3	80,200				30.0	76.5	72,400				32.0	76.7	66,100	F2 000 *		
30.0 32.0	75.1 74.0	72,400 66,300	60,800			32.0 34.0	75.4 74.3	66,300 61,300	55,900 *			34.0 36.0	75.7 74.7	61,100 56,800	53,000 * 51,300		
34.0	72.8	61,300	56,300			36.0	73.2	57,000	51,900			38.0	73.7	52,500	47,900		
36.0	71.6	57,000	52,300	43,500 *		38.0	72.2	52,700	48,600			40.0	72.7	48,700	45,000	33,900 *	
38.0 40.0	70.3 69.1	52,700 48,900	48,900 45,800	42,900 * 42,400 *	34,800 *	40.0 42.0	71.1 70.0	48,900 46,200	45,500 42,900	37,900 * 37,500 *		42.0 44.0	71.7	45,800 43,000	42,200 39,800	33,400 * 33,000 *	
42.0	67.9	46,200	43,100	40,900 *	33,500 *	44.0	68.9	43,400	40,400	37,000 *	28,900 *	46.0	69.7	40,200	37,600	32,800 *	
44.0	66.6	43,400	40,700	38,800	32,500 *	46.0	67.8	40,700	38,200	36,200 *	28,600 *	48.0	68.6	38,300	35,600	32,300 *	
46.0	65.4	40,700	38,500	36,800	31,700 *	48.0	66.6	38,700	36,300	34,600	28,200 *	50.0	67.6	36,300	34,000	31,700 *	24,800 *
48.0 50.0	64.1 62.8	38,700 36,600	36,500 34,700	35,000 33,400	30,900 * 30,000 *	50.0 55.0	65.4 62.5	36,600 32,300	34,500 30,500	32,900 29,400	27,900 * 27,200 *	55.0 60.0	65.0 62.3	32,000 28,300	30,200 27,100	28,900 26,000	24,300 * 23,600 *
55.0	59.5	32,300	30,800	29,700	27,800 *	60.0	59.5	28,700	27,400	26,400	25,500	65.0	59.6	25,400	24,400	23,500	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 70.0	52.5 48.8	25,900 23,500	24,900 22,700	24,300	23,600 21,500	70.0 75.0	53.2 49.9	23,500 21,400	22,500 20,600	21,800 20,000	21,200 19,500	75.0 80.0	53.8 50.8	21,200 19,400	20,300 18,600	19,700 18,100	19,100 17,600
75.0	40.0 44.8	21,400	20,700	22,100 20,300	20,000	80.0	49.9	19,600	19,000	18,600	18,200	85.0	47.7	17,700	17,200	16,700	16,300
80.0	40.5	19,600	19,200	18,800	18,500	85.0	42.6	18,100	17,700	17,300	17,000	90.0	44.3	16,500	15,900	15,600	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 95.0	30.5 24.0	16,900 15,800	16,500 15,400	16,300 15,300	16,100 15,100	95.0 100.0	34.1 29.1	15,600 14,600	15,200 14,300	15,000 14,200	14,800 14,000	100.0 110.0	36.9 27.8	14,200 12,600	13,800 12,200	13,600 12,000	13,400 11,900
95.0	24.0	13,000	13,400	13,300	13,100	105.0	23.2	13,770	13,500	13,300	14,000	115.0	22.2	11,840	11,500	12,000	11,500
Rec	eves	5	4	2	2	Ree	eves	4	4	2	2	Rec	eves	4	4	2	2
	130)' Booi	m				140)' Boo	m				150)' Boo	m		
			ш				1-7							,	ш		
				d Load (III	os)		170		60° Rated	l Load (II)	os)				60° Rated	d Load (III	os)
Load Radius (ft)	Boom Angle (deg.)			2 Degree Machine List	2 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)			Load (Ik 2 Degree Machine List	2 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	3 0 Degree		d Load (Ib 2 Degree Machine List	2 Degree Machine List
Padius	Boom Angle (deg.) 81.3	O Degree Machine List 85,100 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius	Boom Angle	O Degree Machine List 72,900 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius	Boom Angle	O Degree Machine List 62,200 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine
Radius (ft) 24.0 26.0	Boom Angle (deg.) 81.3 80.4	0 Degree Machine List 85,100 * 83,900 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius (ft) 24.0 26.0	Boom Angle (deg.) 81.9 81.1	71,800 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius (ft) 26.0 28.0	Boom 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
24.0 26.0 28.0	Boom Angle (deg.) 81.3 80.4 79.5	0 Degree Machine List 85,100 * 83,900 * 78,200 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	24.0 26.0 28.0	Boom Angle (deg.) 81.9 81.1 80.3	72,900 * 71,800 * 70,800 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	26.0 28.0 30.0	Boom Angle (deg.) 81.7 80.9 80.1	0 Degree Machine List 62,200 * 61,300 * 60,400 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine
Radius (ft) 24.0 26.0	Boom Angle (deg.) 81.3 80.4	0 Degree Machine List 85,100 * 83,900 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius (ft) 24.0 26.0	Boom Angle (deg.) 81.9 81.1	71,800 *	60° Rateo 1 Degree Machine	2 Degree Machine	2 Degree Machine	Radius (ft) 26.0 28.0	Boom 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
24.0 26.0 28.0 30.0 32.0 34.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900	60° Rateo 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	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	Boom Angle (deg.) 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	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9	0 Degree Machine List 85,100 * 83,900 * 71,900 65,900 60,900 56,600	60° Ratec 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	Boom 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	80.07 81.7 80.9 80.1 79.4 78.6 77.8 77.0	30 Degree Machine List 62,200 * 61,300 * 60,400 * 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	Boom Angle (deg.) 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	60° Rateo 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	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	Boom Angle (deg.) 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
24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2	30 Degree Machine List 85,100 * 83,900 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600	60° Patece 1 Degree Machine List 46,400 * 44,500 41,700	2 Degree Machine List	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	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° Patec 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	Boom Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7	30 Degree List 62,200 * 61,300 * 60,400 * 57,200 * 54,100 * 51,000 * 48,000 45,200 42,400	60° Patect 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	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2	30 Degree Machine List 85,100 * 83,900 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800	60° Patece 1 Degree Machine List 46,400 * 44,500 41,700 39,400	2 Degree Machine List List 29,700 *	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	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	30 Degree Machine List 72,900 * 71,800 * 70,800 * 69,000 * 64,700 * 60,500 52,000 48,200 45,400 42,600	60° Patec 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	Boom Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7 73.9	30 Degree List 62,200 * 61,300 * 60,400 * 57,200 * 54,100 * 51,000 * 48,000 45,200 42,400 39,600	60° Ratec 1 Degree Machine List 37,100 * 36,600 * 35,800 *	2 Degree Machine	2 Degree Machine
24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2	30 Degree Machine List 85,100 * 83,900 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600	60° Patece 1 Degree Machine List 46,400 * 44,500 41,700	2 Degree Machine List	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	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° Patec 1 Degree Machine List 41,500 * 40,600 * 38,900 36,800	2 Degree Machine	2 Degree Machine	Radius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0	Boom Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7	30 Degree List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 48,000 45,200 42,400 39,600 37,500	60° Patect 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	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3	38 O Degree Machine List 85,100 * 83,900 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000	60° Patec 1 Degree Machine List 46,400 * 44,500 41,700 39,400 37,200	2 Degree Machine List 29,700 * 29,400 * 29,100 * 28,700 *	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 46.0	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 72.7	30 Degree Machine List 72,900 * 71,800 * 70,800 * 69,000 * 64,700 * 60,500 52,000 48,200 45,400 42,600 39,800	41,500 * 40,600 * 38,900 34,900 33,200	2 Degree Machine	2 Degree Machine	Radius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 40.0 42.0 44.0 46.0 48.0	Boom 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	30 Degree List 62,200 * 61,300 * 60,400 * 57,200 * 54,100 * 51,000 * 48,000 45,200 42,400 39,600	1 Pagree Machine List 37,100 * 36,600 * 35,800 * 34,500	2 Degree Machine List	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 55.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 42,800 40,000 38,000 36,000 31,600	46,400 * 44,500 41,700 39,400 37,200 35,300 33,600 29,700	29,700 * 29,400 * 29,100 * 29,100 * 29,700 * 29,400 * 29,100 * 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	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 72.7 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	2 Degree 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	Boom Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.0 76.3 75.5 74.7 73.9 73.1 72.3 70.3 68.2	30 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 51,000 * 48,000 45,200 37,500 35,500 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
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	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6	0 Degree Machine List 85,100 * 83,900 * 71,900 65,900 60,900 55,600 42,800 44,800 40,000 38,000 31,600 28,100	46,400 * 44,500 41,700 37,200 35,300 33,600 29,700 26,600	29,700 * 29,400 * 29,100 * 28,700 * 27,900 * 27,900 * 25,500	2 Degree Machine List 21,700 * 21,200 *	Redius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 46.0 48.0 50.0 55.0 60.0	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 31,400 27,800	41,500 * 40,600 * 38,900 33,200 29,400 26,200	2 Degree Machine List 25,100 * 24,500 *	2 Degree Machine List 19,200 * 18,700 *	Redius (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	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	30 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 51,000 * 42,400 37,500 31,200 27,600 24,800	37,100 * 36,600 * 34,500 32,800 29,000 25,800 23,300	2 Degree Machine List 23,300 * 22,700 * 22,000 * 21,600 *	2 Degree Machine List 16,800 * 16,500 *
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	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1	0 Degree Machine List 85,100 * 83,900 * 78,200 * 71,900 65,900 60,900 56,600 52,300 48,400 42,800 40,000 38,000 36,000 31,600	46,400 * 44,500 41,700 39,400 37,200 35,300 33,600 29,700	29,700 * 29,400 * 29,100 * 29,100 * 29,700 * 29,400 * 29,100 * 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	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 72.7 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	2 Degree 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	Boom Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.0 76.3 75.5 74.7 73.9 73.1 72.3 70.3 68.2	30 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 51,000 * 48,000 45,200 37,500 35,500 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
Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0 75.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 72.2 64.6 62.2 59.6 57.0	0 Degree Machine List 85,100 * 83,900 * 71,900 65,900 60,900 55,600 52,300 48,400 42,800 40,000 31,600 28,100 25,200 22,900 20,900	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 * 28,700 * 27,900 * 21,100 19,300	21,700 * 21,200 * 20,700 * 20,000 * 18,700	Redius (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 * 60,500 52,000 48,200 42,600 39,800 31,400 27,800 22,600 20,500	41,500 * 40,600 * 38,900 34,900 34,900 29,400 26,200 23,500 21,300 19,500	25,100 * 25,100 * 24,500 * 22,400 * 20,500 18,700	2 Degree Machine List 19,200 * 18,700 * 18,300 * 17,900 * 17,400 *	Redius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 44.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0	Boom Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7 73.1 72.3 70.3 68.2 66.2 64.0 61.9 59.6	30 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 45,200 42,400 39,600 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 *
Redius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0 75.0 80.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 72.2 64.6 62.2 59.6 57.0 54.3	0 Degree Machine List 85,100 * 83,900 * 71,900 65,900 60,900 55,600 42,800 40,000 31,600 28,100 25,200 22,900 19,000 19,000	46,400 * 44,500 41,700 39,400 29,700 26,600 24,100 21,900 18,300 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	Redius (ft) 24.0 26.0 28.0 30.0 34.0 34.0 36.0 44.0 44.0 45.0 55.0 60.0 65.0 77.0 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	72,900 * 71,800 * 70,800 * 69,000 * 60,500 52,000 45,400 42,600 39,800 31,400 27,800 22,600 20,500 18,700	41,500 * 40,600 * 38,900 29,400 26,200 21,300 19,500 17,800	25,100 * 25,100 * 24,500 * 22,400 * 20,500 18,700 17,200	2 Degree Machine List 19,200 * 18,700 * 18,300 * 17,900 * 17,400 * 16,600	Redius (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	Boom 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 68.2 66.2 64.0 61.9 59.6 57.4	30 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 45,200 42,400 39,600 37,500 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 *
Redius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0 75.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.9 75.0 74.1 73.2 72.2 72.2 64.6 62.2 59.6 57.0	0 Degree Machine List 85,100 * 83,900 * 71,900 65,900 60,900 55,300 48,400 40,000 31,600 28,100 25,200 22,900 20,900 19,000 17,500	46,400 * 44,500 41,700 39,400 37,200 35,300 33,600 29,700 26,600 24,100 21,900 20,000 18,300 16,900	29,700 * 29,400 * 29,100 * 29,100 * 28,700 * 27,900 * 21,100 19,300 17,700 16,400	21,700 * 21,200 * 21,200 * 20,700 * 20,700 * 20,700 * 18,700 17,200 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	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 * 60,500 56,200 52,000 48,200 42,600 39,800 37,800 27,800 22,600 20,500 18,700 17,200	41,500 * 40,600 * 38,900 34,900 29,400 29,500 21,300 19,500 17,800 16,400	25,100 * 25,100 * 24,500 * 22,400 * 20,500 18,700 17,200 15,800	19,200 * 18,700 * 17,900 * 17,400 * 16,600 15,400	Redius (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	Boom Angle (deg.) 81.7 80.9 80.1 79.4 78.6 77.8 77.0 76.3 75.5 74.7 73.1 72.3 70.3 68.2 66.2 64.0 61.9 59.6	30 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 45,200 42,400 39,600 37,500 22,600 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
Redius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 40.0 44.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 69.4 67.1 64.6 62.2 59.6 57.0 54.3 51.6	0 Degree Machine List 85,100 * 83,900 * 71,900 65,900 60,900 55,600 42,800 40,000 31,600 28,100 25,200 22,900 19,000 19,000	46,400 * 44,500 41,700 39,400 29,700 26,600 24,100 21,900 18,300 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	Redius (ft) 24.0 26.0 28.0 30.0 34.0 34.0 36.0 44.0 44.0 45.0 55.0 60.0 65.0 77.0 80.0	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 64.3 62.0 59.7 57.3 54.8	72,900 * 71,800 * 70,800 * 69,000 * 60,500 52,000 45,400 42,600 39,800 31,400 27,800 22,600 20,500 18,700	41,500 * 40,600 * 38,900 29,400 26,200 21,300 19,500 17,800	25,100 * 25,100 * 24,500 * 22,400 * 20,500 18,700 17,200	2 Degree Machine List 19,200 * 18,700 * 18,300 * 17,900 * 17,400 * 16,600	Redius (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	Boom 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 68.2 66.2 64.0 61.9 59.6 57.4 55.2	30 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 45,200 42,400 39,600 37,500 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 33.0 34.0 36.0 38.0 40.0 44.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0 80.0 85.0 90.0 95.0 100.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 66.2 59.6 67.1 64.6 48.7 45.6 42.4	30 Degree Machine List 85,100 * 83,900 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 31,600 28,100 25,200 20,900 19,000 17,500 16,100 15,000 14,000	46,400 * 44,500 41,700 39,400 37,200 33,600 29,700 26,600 24,100 21,900 21,900 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 11,900 13,900 13,000	Redity (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 44.0 44.0 45.0 55.0 60.0 65.0 75.0 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 46.8	72,900 * 71,800 * 70,800 * 69,000 * 60,500 56,200 52,000 48,200 45,400 42,600 39,800 37,800 20,500 18,700 17,200 15,900 14,600 13,600	41,500 * 40,600 * 33,200 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	19,200 * 18,700 * 18,700 * 18,300 * 17,400 * 16,600 15,400 14,300 13,300 12,500	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 85.0 90.0 95.0 100.0 110.0	Boom 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 76.3 68.2 66.2 64.0 61.9 59.6 57.4 55.2 52.8 50.3 45.1	30 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 45,200 42,400 39,600 37,500 31,500 27,600 22,400 20,300 18,500 17,000 15,700 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 15,500 14,400 13,300 12,500 10,900	2 Degree Machine List 16,800 * 16,500 * 16,100 * 15,700 * 14,900 * 14,000 12,100 10,700
Redius (ft) 24.0 26.0 28.0 30.0 30.0 34.0 36.0 38.0 40.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0 80.0 85.0 90.0 95.0 100.0 110.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 66.1 64.6 62.2 59.6 67.1 45.6 48.7 45.6 42.4 35.4	38 O Degree Machine List 85,100 * 83,900 * 71,900 65,900 60,900 56,600 52,300 48,400 42,800 40,000 38,000 31,600 28,100 25,200 22,900 19,000 17,500 16,100 15,000 14,000 12,100	46,400 * 44,500 41,700 39,400 37,200 35,300 29,700 26,600 24,100 21,900 21,900 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	Reditive (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 88.0 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 * 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 * 17,400 * 16,600 15,400 14,300 13,300 12,500 11,000	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 99.0 99.0 110.0 1120.0	Boom 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 66.0 61.9 59.6 57.4 55.2 52.8 50.3 45.1 39.3	30 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 31,500 27,600 24,800 22,400 20,300 18,500 17,000 15,700 14,400 13,400 11,700 10,300	37,100 * 36,600 * 35,800 * 32,800 29,000 17,600 16,200 14,900 13,800 11,200 9,900	23,300 * 22,700 * 22,000 * 20,100 * 18,300 12,500 14,400 13,300 12,500 9,600	2 Degree Machine List 16,800 * 16,500 * 16,100 * 15,700 * 14,900 * 14,000 12,100 10,700 9,400
Radius (ft) 24.0 26.0 28.0 33.0 34.0 36.0 38.0 40.0 44.0 44.0 46.0 48.0 55.0 60.0 65.0 70.0 80.0 85.0 90.0 95.0 100.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 66.2 59.6 67.1 64.6 48.7 45.6 42.4	30 Degree Machine List 85,100 * 83,900 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 40,000 38,000 31,600 28,100 25,200 20,900 19,000 17,500 16,100 15,000 14,000	46,400 * 44,500 41,700 39,400 37,200 33,600 29,700 26,600 24,100 21,900 21,900 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 11,900 13,900 13,000	Padius (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 75.0 80.0 99.0 99.0 110.0 110.0 130.0	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 64.3 66.0 59.7 57.3 54.8 52.2 49.5 46.8 40.8 34.0 25.7	72,900 * 71,800 * 70,800 * 69,000 * 60,500 52,000 48,200 45,400 42,600 39,800 37,800 22,600 22,600 20,500 11,200 15,900 11,900 10,300 9,200	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	25,100 * 24,500 * 22,400 * 20,500 17,200 15,800 14,700 13,700 12,800	19,200 * 18,700 * 18,700 * 18,300 * 17,400 * 16,600 15,400 14,300 13,300 12,500	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 85.0 90.0 95.0 100.0 110.0	Boom 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 76.3 68.2 66.2 64.0 61.9 59.6 57.4 55.2 52.8 50.3 45.1	30 Degree Machine List 62,200 * 61,300 * 60,400 * 59,400 * 57,200 * 54,100 * 45,200 42,400 39,600 37,500 31,500 27,600 22,400 20,300 18,500 17,000 15,700 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 15,500 14,400 13,300 12,500 10,900	2 Degree Machine List 16,800 * 16,500 * 16,100 * 15,700 * 14,900 * 14,000 12,100 10,700
Radius (ft) 24.0 26.0 28.0 30.0 34.0 36.0 38.0 44.0 44.0 44.0 45.0 55.0 60.0 65.0 70.0 85.0 99.0 99.0 110.0 1120.0 125.0	Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.9 75.0 74.1 73.2 72.2 71.3 70.4 69.4 67.1 64.6 65.0 54.3 51.6 48.7 45.6 42.4 35.4 26.6	38 O Degree Machine List 85,100 * 83,900 * 71,900 65,900 60,900 56,600 52,300 48,400 45,600 42,800 38,000 36,000 28,100 25,200 22,900 29,900 19,000 17,500 16,100 15,000 14,000 12,100 10,800	46,400 * 44,500 41,700 39,400 37,200 35,300 29,700 26,600 24,100 21,900 21,900 15,700 14,600 13,600 11,900 10,600	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	Padius (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 99.0 110.0 130.0 135.0	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 64.3 66.0 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 52,000 48,200 45,400 42,600 39,800 37,800 27,800 22,600 22,600 18,700 15,900 11,900 10,300 10,300	41,500 * 40,600 * 33,900 29,400 26,200 21,300 19,500 17,800 16,400 15,200 11,400 10,100 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 44.0 44.0 44.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 99.0 99.0 110.0 110.0 110.0 110.0	Boom 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 66.0 61.9 59.6 57.4 55.2 52.8 50.3 45.1 39.3 32.8	30 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 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 14,400 13,300 12,500 10,900 9,600 8,600	2 Degree Machine List 16,800 * 16,500 * 16,100 * 15,700 * 14,900 * 14,000 12,100 10,700 9,400 8,400

Barge

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

	160)' Booi	m				170)' Boo	m				180)' Boo	m		
	100			d I a a d //b	1		1/0			11000//	. al		100			d I and (II	
Load	Boom	0 Degree	1 Degree	d Load (II) 2 Degree	2 Degree	Load	Boom	0 Degree	60° Rated 1 Degree	2 Degree	2 Degree	Load	Boom	0 Degree	60° Rated 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
28.0	81.5	50,200 *	LISC	LISI	List	30.0	81.3	44,500 *	List	LIX	LIOI	30.0	81.8	39,300 *	Liot	LISI	Liot
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	79.4	49,200 *				36.0	79.3	42,500 *				36.0	79.9	37,600 *			
36.0 38.0	78.6 77.9	48,500 * 47,800 *				38.0 40.0	78.6 77.9	41,900 * 41,200 *				38.0 40.0	79.2 78.6	37,000 * 36,400 *			
40.0	77.2	46,600 *				42.0	77.2	40,600 *				42.0	77.9	35,800 *			
42.0	76.4	44,300 *				44.0	76.5	40,000 *				44.0	77.2	35,100 *			
44.0	75.6	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 75.0	65.8 63.8	22,600	21,200 19,300	18,500 * 18,000 *	14,000 *	75.0 80.0	65.4 63.5	20,300	19,000 17,400	16,000 *	12,200 * 11,800 *	75.0 80.0	66.9 65.2	19,900 18,100	18,700	14,200 * 13,800 *	10,600 * 10,400 *
80.0	61.8	20,500 18,700	17,700	16,900	13,700 * 13,400 *	85.0	61.6	18,500 16,800	16,000	15,600 * 15,300 *	11,800 *	85.0	63.4	16,600	17,100 15,700	13,500 *	10,400 *
85.0	59.7	17,000	16,300	15,600	13,100*	90.0	59.7	15,400	14,700	14,000	11,300 *	90.0	61.6	15,200	14,400	12,900 *	9,700*
90.0	57.6	15,700	15,000	14,300	12,800 *	95.0	57.8	14,300	13,600	13,200	11,100 *	95.0	59.8	14,000	13,200	12,200*	9,500*
95.0	55.4	14,500	13,900	13,500	12,400 *	100.0	55.8	13,300	12,600	12,100	10,800 *	100.0	57.9	12,900	12,300	11,600*	9,300 *
100.0 110.0	53.2 48.6	13,500 11,700	12,900 11,100	12,400 10,900	12,000 10,600	110.0 120.0	51.5 47.0	11,500 9,800	10,900 9,600	10,600 9,300	10,100 * 9,000	110.0 120.0	54.0 49.9	11,100 9,600	10,600 9,100	10,300 8,800	8,500 * 7,700 *
120.0	43.6	10,100	9,800	9,600	9,300	130.0	42.2	8,700	8,400	8,200	8,000	130.0	45.6	8,500	8,000	7,700	6,900 *
130.0	38.1	8,900	8,600	8,500	8,300	140.0	36.8	7,700	7,300	7,100	7,000	140.0	40.9	7,400	7,000	6,900	6,000 *
140.0	31.6	7,900	7,800	7,600	7,500	150.0	30.5	6,800	6,500	6,400	6,200 *	150.0	35.7	6,500	6,200	6,000	5,000 *
150.0	23.7	7,100	6,900	6,800	6,700	160.0	23.2	5,900	5,800 *	5,800 *	5,100 *	160.0	29.7	5,600	5,400	5,000 *	4,200 *
Poc	eves	2	2	2	2	Por	eves	2	2	2	2	165.0	26.5 eves	5,100 2	5,100 2	4,400 * 2	3,600 *
1400)' Boo				rec)' Boo				1400	,103				
				d Load (II)	ns)				60° Rated	l Load (It	ns)						
Load	Boom	0 Degree	1 Degree Machine	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						
32.0	81.6	34,400 *				34.0	81.5	30,300 *									
34.0	81.0	33,800 *				36.0	80.9	29,700 *									
36.0	80.4	33,300 *				38.0	80.3	29,200 *									
38.0	79.8	32,700 *				40.0	79.7	28,700 *									
40.0 42.0	79.2 78.6	32,200 * 31,700 *				42.0 44.0	79.1 78.6	28,200 * 27,700 *									
44.0	78.0	31,100 *				46.0	78.0	27,300 *			1						
46.0	77.4	30,600 *		1													
48.0						48.0	77.4	26,800 *									
- LOO	76.7	30,100 *				50.0	76.8	26,800 * 26,300 *									
50.0 55.0	76.1	29,600 *	21 700 *			50.0 55.0	76.8 75.3	26,800 * 26,300 * 24,900 *	18 200 *								
50.0 55.0 60.0			21,700 * 20,600 *			50.0	76.8	26,800 * 26,300 *	18,200 * 17,100 *	11,700*							
55.0	76.1 74.5	29,600 * 28,100 *		13,300 *		50.0 55.0 60.0	76.8 75.3 73.8	26,800 * 26,300 * 24,900 * 23,200 *		11,700 * 11,300 *							
55.0 60.0 65.0 70.0	76.1 74.5 73.0 71.4 69.8	29,600 * 28,100 * 26,200 * 24,000 * 21,800	20,600 * 19,500 * 18,400 *	13,100 *		50.0 55.0 60.0 65.0 70.0 75.0	76.8 75.3 73.8 72.4 70.9 69.3	26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 *	17,100 * 16,100 * 15,100 *	11,300 * 11,000 *							
55.0 60.0 65.0 70.0 75.0	76.1 74.5 73.0 71.4 69.8 68.2	29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900	20,600 * 19,500 * 18,400 * 17,300 *	13,100 * 12,700 *	9,200 *	50.0 55.0 60.0 65.0 70.0 75.0 80.0	76.8 75.3 73.8 72.4 70.9 69.3 67.8	26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 *	17,100 * 16,100 * 15,100 * 14,100 *	11,300 * 11,000 * 10,600 *	7,700 *						
55.0 60.0 65.0 70.0 75.0 80.0	76.1 74.5 73.0 71.4 69.8 68.2 66.5	29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900 18,000	20,600 * 19,500 * 18,400 * 17,300 * 16,200 *	13,100 * 12,700 * 12,400 *	9,000 *	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2	26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 *	17,100 * 16,100 * 15,100 * 14,100 * 13,300 *	11,300 * 11,000 * 10,600 * 10,100 *	7,500 *						
55.0 60.0 65.0 70.0 75.0	76.1 74.5 73.0 71.4 69.8 68.2	29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900	20,600 * 19,500 * 18,400 * 17,300 *	13,100 * 12,700 *	· '	50.0 55.0 60.0 65.0 70.0 75.0 80.0	76.8 75.3 73.8 72.4 70.9 69.3 67.8	26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 *	17,100 * 16,100 * 15,100 * 14,100 *	11,300 * 11,000 * 10,600 *							
55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5	29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900 16,400 15,000 13,900	20,600 * 19,500 * 18,400 * 17,300 * 16,200 * 15,300 * 14,100 13,000	13,100 * 12,700 * 12,400 * 11,900 * 11,300 * 10,600 *	9,000 * 8,800 * 8,600 * 8,400 *	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4	26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 * 14,700 13,500 12,400	17,100 * 16,100 * 15,100 * 14,100 * 13,300 * 12,400 * 11,700 * 11,000 *	11,300 * 11,000 * 10,600 * 10,100 * 9,500 * 9,000 * 8,400 *	7,500 * 7,200 * 7,000 * 6,800 *						
55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0	76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5 59.7	29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900 18,000 15,000 13,900 12,900	20,600 * 19,500 * 18,400 * 17,300 * 16,200 * 15,300 * 14,100 13,000 12,000	13,100 * 12,700 * 12,400 * 11,900 * 11,300 * 10,600 * 10,000 *	9,000 * 8,800 * 8,600 * 8,400 * 8,200 *	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1	26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 * 14,700 13,500 12,400 10,600	17,100 * 16,100 * 15,100 * 14,100 * 13,300 * 12,400 * 11,700 * 11,000 * 9,500 *	11,300 * 11,000 * 10,600 * 10,100 * 9,500 * 9,000 * 8,400 * 7,400 *	7,500 * 7,200 * 7,000 * 6,800 * 6,000 *						
55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5 59.7 56.2	29,600 * 28,100 * 24,000 * 21,800 19,900 18,000 15,000 13,900 12,900 11,000	20,600 * 19,500 * 18,400 * 17,300 * 16,200 * 15,300 * 14,100 13,000 12,000 10,400	13,100 * 12,700 * 12,400 * 11,900 * 11,300 * 10,600 * 10,000 * 8,900 *	9,000 * 8,800 * 8,600 * 8,400 * 8,200 * 7,400 *	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	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	26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 14,700 13,500 12,400 10,600 9,200	17,100 * 16,100 * 15,100 * 14,100 * 13,300 * 12,400 * 11,700 * 11,000 * 9,500 * 8,200 *	11,300 * 11,000 * 10,600 * 10,100 * 9,500 * 9,000 * 8,400 * 7,400 * 6,500 *	7,500 * 7,200 * 7,000 * 6,800 * 6,000 * 5,200 *						
55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	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	29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900 18,000 15,000 13,900 12,900 11,000 9,400	20,600 * 19,500 * 18,400 * 17,300 * 16,200 * 14,100 13,000 12,000 10,400 9,100	13,100 * 12,700 * 12,400 * 11,900 * 11,300 * 10,600 * 10,000 * 8,900 * 7,900 *	9,000 * 8,800 * 8,600 * 8,400 * 8,200 * 7,400 * 6,500 *	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 120.0	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	26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800	17,100 * 16,100 * 15,100 * 14,100 * 13,300 * 12,400 * 11,700 * 11,000 * 9,500 * 8,200 * 7,100 *	11,300 * 11,000 * 10,600 * 10,100 * 9,500 * 9,000 * 8,400 * 7,400 * 6,500 * 5,600 *	7,500 * 7,200 * 7,000 * 6,800 * 6,000 * 5,200 * 4,500 *						
55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5 59.7 56.2	29,600 * 28,100 * 24,000 * 21,800 19,900 18,000 15,000 13,900 12,900 11,000	20,600 * 19,500 * 18,400 * 17,300 * 16,200 * 15,300 * 14,100 13,000 12,000 10,400	13,100 * 12,700 * 12,400 * 11,900 * 11,300 * 10,600 * 10,000 * 8,900 *	9,000 * 8,800 * 8,600 * 8,400 * 8,200 * 7,400 *	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0	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	26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 14,700 13,500 12,400 10,600 9,200	17,100 * 16,100 * 15,100 * 14,100 * 13,300 * 12,400 * 11,700 * 11,000 * 9,500 * 8,200 *	11,300 * 11,000 * 10,600 * 10,100 * 9,500 * 9,000 * 8,400 * 7,400 * 6,500 *	7,500 * 7,200 * 7,000 * 6,800 * 6,000 * 5,200 *						
55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 120.0 130.0 140.0 150.0	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	29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900 18,000 15,000 13,900 12,900 11,000 9,400 8,200 7,200 6,300	20,600 * 19,500 * 18,400 * 17,300 * 16,200 * 15,300 * 14,100 13,000 10,400 9,100 7,800 6,800 5,900	13,100 * 12,700 * 12,400 * 11,900 * 11,300 * 10,600 * 10,000 * 8,900 * 7,900 * 6,800 * 5,900 * 5,100 *	9,000 * 8,800 * 8,600 * 8,400 * 8,200 * 7,400 * 6,500 * 5,700 * 4,900 * 4,100 *	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 110.0 120.0 130.0 140.0	76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1 54.6 51.1 47.2	26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 * 14,700 10,600 9,200 7,800 6,500	17,100 * 16,100 * 15,100 * 14,100 * 13,300 * 12,400 * 11,700 * 11,000 * 9,500 * 8,200 * 7,100 * 5,900 *	11,300 * 11,000 * 10,600 * 10,100 * 9,500 * 9,000 * 8,400 * 7,400 * 6,500 * 5,600 * 4,600 *	7,500 * 7,200 * 7,000 * 6,800 * 6,000 * 5,200 * 4,500 * 3,700 *						
55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 130.0 140.0 150.0 160.0	76.1 74.5 73.0 71.4 69.8 68.2 66.5 64.9 63.2 61.5 59.7 56.2 52.5 48.5 44.3 39.7 34.8	29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900 18,000 15,000 13,900 11,000 9,400 8,200 7,200 6,300 5,300	20,600 * 19,500 * 18,400 * 17,300 * 16,200 * 15,300 * 14,100 13,000 10,400 9,100 7,800 6,800 5,900 5,100 *	13,100 * 12,700 * 12,400 * 11,900 * 11,300 * 10,600 * 10,000 * 8,900 * 7,900 * 6,800 * 5,900 * 5,100 * 4,000 *	9,000 * 8,800 * 8,600 * 8,400 * 8,200 * 7,400 * 6,500 * 5,700 * 4,900 *	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 110.0 120.0 130.0 140.0 150.0	76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1 54.6 51.1 47.2 43.1	26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800 6,500 5,200 *	17,100 * 16,100 * 15,100 * 14,100 * 13,300 * 12,400 * 11,700 * 11,000 * 9,500 * 8,200 * 7,100 * 5,900 * 4,900 *	11,300 * 11,000 * 10,600 * 10,100 * 9,500 * 9,000 * 8,400 * 7,400 * 6,500 * 5,600 * 4,600 * 3,700 *	7,500 * 7,200 * 7,000 * 6,800 * 6,000 * 5,200 * 4,500 * 3,700 *						
55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 120.0 130.0 140.0 150.0	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	29,600 * 28,100 * 26,200 * 24,000 * 21,800 19,900 18,000 15,000 13,900 12,900 11,000 9,400 8,200 7,200 6,300	20,600 * 19,500 * 18,400 * 17,300 * 16,200 * 15,300 * 14,100 13,000 10,400 9,100 7,800 6,800 5,900	13,100 * 12,700 * 12,400 * 11,900 * 11,300 * 10,600 * 10,000 * 8,900 * 7,900 * 6,800 * 5,900 * 5,100 *	9,000 * 8,800 * 8,600 * 8,400 * 8,200 * 7,400 * 6,500 * 5,700 * 4,900 * 4,100 *	50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 110.0 120.0 130.0 140.0 150.0	76.8 75.3 73.8 72.4 70.9 69.3 67.8 66.2 64.6 63.0 61.4 58.1 54.6 51.1 47.2 43.1	26,800 * 26,300 * 24,900 * 23,200 * 21,500 * 20,000 * 18,500 * 17,100 * 15,900 * 14,700 13,500 12,400 10,600 9,200 7,800 6,500 5,200 *	17,100 * 16,100 * 15,100 * 14,100 * 13,300 * 12,400 * 11,700 * 11,000 * 9,500 * 8,200 * 7,100 * 5,900 * 4,900 *	11,300 * 11,000 * 10,600 * 10,100 * 9,500 * 9,000 * 8,400 * 7,400 * 6,500 * 5,600 * 4,600 * 3,700 *	7,500 * 7,200 * 7,000 * 6,800 * 6,000 * 5,200 * 4,500 * 3,700 *						

NOTES	

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

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