KOBELCO

Hydraulic Crawler Crane



Max. Lifting Capacity: 80 US Tons Max. Crane Boom Length: 200 ft Max. Fixed Jib Combination: 180 ft + 60 ft



CK800G-2 CONTENTS

2 SPECIFICATIONS
6 G-MODE
7 LMI
8 WINCH PERFORMANCE
9 GENERAL DIMENSIONS
DIMENSIONS & WEIGHT
13 TRANSPORTATION PLAN
10
14 COUNTERWEIGHT SELF-REMOVAL DEVICE
 14 COUNTERWEIGHT SELF-REMOVAL DEVICE 15 BOOM & JIB ARRANGEMENTS
 14 COUNTERWEIGHT SELF-REMOVAL DEVICE 15 BOOM & JIB ARRANGEMENTS 16 WORKING RANGES
 14 COUNTERWEIGHT SELF-REMOVAL DEVICE 15 BOOM & JIB ARRANGEMENTS 16 WORKING RANGES 17 SUPPLEMENTAL DATA
 14 COUNTERWEIGHT SELF-REMOVAL DEVICE 15 BOOM & JIB ARRANGEMENTS 16 WORKING RANGES 17 SUPPLEMENTAL DATA 20 LIFTING CAPACITY
 14 COUNTERWEIGHT SELF-REMOVAL DEVICE 15 BOOM & JIB ARRANGEMENTS 16 WORKING RANGES 17 SUPPLEMENTAL DATA 20 LIFTING CAPACITY 21 CLAMSHELL DATA

General Description



Type Maximum lift capacity Basic boom length Maximum boom length Basic boom & jib length Maximum boom & jib length Working weight Ground bearing pressure Gradeability Crawler mounted, Lattice boom, Hydraulic controlled 160,000 lbs (72,575 kg) @ 12' operating radius (50' boom) 50' (15.2 m) 200' (61.0 m) 80' + 30' (24.4 m + 9.1 m) 180' + 60' (54.9 m + 18.3 m) Approx. 165,700 lbs (75,160 kg) Approx. 10.8 psi (74.2 kPa) 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, 50' boom.

General Dimensions

Height to top of gantry (lowered)	10'10" (3.31 m)
Width of upper machine w/operator's cab	9'10" (2.99 m)*
Radius of rear end (counterweights)	14'9" (4.50 m)
Counterweight ground clearance	3'7" (1.10 m)
Center of rotation to boom foot pin	3'7" (1.10 m)
Height from ground to boom foot pin	5'9" (1.75 m)
Height over gantry (raised)	20'3" (6.17 m)
Overall length of crawlers	20'7" (6.28 m)
Overall width of crawlers	17'2" (5.24 m)
Center to center, idler to sprocket	17'10" (5.44 m)
Shoe width	36" (0.91 m)
Ground clearance of body	15" (0.39 m)

Upper Machinery

Power Plant:		
Diesel engine - mak	te and model	
	Hino J08E-VV	
	(complies with Tier 4 Final)	
No. of cylinders	6	
Bore X stroke	4-13/32" x 5-1/8"	
	(112 mm x 130 mm)	
Cycles	4	
Total displacement	469 cu.in. (7.684 l)	
Rated output SAE G	GROSS	
1	286 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, wit	h cleanout screen.
Throttle	Twist grip type hand throttle, electrically controlled, i	n conjunction with floor mounted pedal.
Air cleaner	Dry type with replaceable paper element.	.
Fuel tank capacity	106 US gal. (400 liters)	
Lube oil filters	Full flow and by-pass type with element type.	
Fuel filter	Replaceable element.	* 10/5// with Caturally
	*	^ - 10'5" wide with Catwalks of

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 ~ 6.6 ft/min (70 ~ 2 m/min)
Boom lowering line speed (front and rear drums)
230 ~ 6.6 ft/min (70 ~ 2 m/min)
Swing speed (max.) 4.0 rpm
<i>Travel speed (high/low)</i> 1.1/0.72 mph (1.7/1.1 km/h)

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





Hydraulic pumps:

Load hoist, boom hoist, and propel 2 piston pumps, max flow rate 67.3 US gal/min x 2 (255 t/min x 2)

Swing

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

Control system and auxiliary

2 Gear pumps, max flow rate 16.1 US gal/min + 10.6 US gal (61.0 *l*/min + 40.1 *l*/min)

Brake cooling system

2 gear pumps, max flow rate 19.3 US gal/min x 2 (73.0 *l*/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.



Counterweight and Carbody weight

-	
Counterweight Base	1 x 20,550 (9,320 kg)
Counterweight (R)	2 x 9,260 (4,200 kg)
Counterweight (L)	2 x 9,260 (4,200 kg)
Total Counterweight	57,590 (26,120 kg)

Carbody weight 2 x 7,170 (3,250 kg) Total Carbody weight 14,340 (6,500 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 100.3 US gal. (380 liters)





Line pull:

Max. line pull (single line) - 34,400 lbf (153 kN) *Rated line pull* - 17,000 lbf (78.5 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 -

550 mm P.C.D. x 545 mm Lg., grooved for 22 mm wire rope. Rope capacity is 869' (265 m) working length and 1,099' (335 m) storage length.

Rear drum -

550 mm P.C.D. x 545 mm Lg., grooved for 22 mm wire rope. Rope capacity is 673' (205 m) working length and 1,099' (335 m) storage length.

3rd drum (optional) -

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



Crane Attachments

Boom:

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

Maximum boom length Basic boom length Boom base section Boom tip section 200' (61.0 m) 50' (15.2 m) 19'7" (5.97 m) 22'8" (6.91 m)

Boom insert (optional):

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

Boom insert

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

Jib (optional):

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

Maximum jib length	60' (18.3 m)
Basic jib length	30' (9.1 m)
Jib base section	15'9" (4.8 m)
Jib tip section	16'1" (4.9 m)
Jib insert	10' (3.1 m), 20' (6.1 m)

Jib is useable on booms of 80' (24.4 m) through 180' (54.9 m)

Standard Equipment

Lights:

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

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

Others

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

Safety Service

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



Auxiliary sheave (optional): Auxiliary sheave is extendible on booms of 50' (15.2 m) through 190' (57.9 m)

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

Boom backstops: Telescopic type with spring bumper

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

Tools and Accessories

A set of tools and accessories are furnished.

Optional Equipment

Third drum Hook block Hook ball Auxiliary sheave Fixed jib Boom inserts

G-Mode

G-Winch 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.

The G-winch mode can produce maximum winch line

Gmode







G-Winch

AIS

G-Engine



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

An Industry First

The G-engine mode limits maximum engine speed to 1,725 RPM and controls the pumps to make engine operation in the most efficient condition.





Exhaust cleaning DPR:

The DPR (diesel particulate active reduction system) burns PM (particulate matter) and includes:

DPF: Diesel Particulate Filter SCR: Selective Catalytic Reduction DEF: Diesel Exhaust Fluid

The DPR creates this 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, SCR and DEF to reduce particulate matter, which is also kept to a minimum using negative ions. This means that the exhaust gas from the diesel engine is cleaner, conforming with current EPA Tier 4 Final regulations.

This system requires the use of low sulfur diesel.

* Warning: High sulfur diesel will damage the engine.

Load Moment Indicator (LMI)

The Kobelco 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, Maximum Load Radius, Switches, and Error Messages. Load charts include standard, jib, reduced counterweight, barge, and clamshell.



Moment Limiter (Left Side)



Winch Performance Data

Note:

Line speed and line pull based on Hino J08E-VV 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 = 22 mm Rated Line Pull = 17,000 lbf (78.5 kN) Maximum Line Pull = 34,400 lbf (153 kN) Total Storage Capacity = 1,099 ft (334.9 m)

Line speed (ft/min)							
	Layer	1	2	3	4	5	6
	0	394	420	446	472	499	
	5,000	394	420	446	472	499	
	10,000	394	420	438	434	437	
Line Pull	15,000	296	292	287	279	269	storage
(lbs)	17,000	265	246	235	221	216	only
	20,000	195	183	184	183	181	
	25,000	145	142	137	131	123	
	32,000	95					
Storage Cap	pacity (ft)	130	139	148	157	166	175

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	
Line Pull	10,000	227	227	227	227	227	
(lbs)	15,000	147	152	161	170	179	storage
	17,000	142	151	160	169	178	only
	20,000	140	149	158	167	176	
	25,000	138	147	155	163	164	
	30,000	136	135				
Storage Ca	apacity (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	0.888" to 0.905" (22.55 mm to 22.99 mm)	869' (265 m)	3.5: 1	81,606 lbf (363 kN)
Rear drum	6 x 29 Filler IWRC Right hand lay, Regular lay	0.888" to 0.905" (22.55 mm to 22.99 mm)	672' (205 m)	3.5: 1	81,606 lbf (363 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)	492' (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)	476' (145 m)	3.5: 1	81,606 lbf (363 kN)



General Dimensions



Dimensions and Weight

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

Base Machine - 1

Weight: 92,200 lbs (41,810 kg)

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





Base Machine - 2

Weight: 88,000 lbs (39,895 kg) Gantry, crawlers, self removal unit, and wire ropes (front, rear, and boom hoist)





Base Machine - 3

Weight: 61,600 lbs (27,940 kg) Boom base, gantry, self removal unit, and wire ropes (front, rear, and boom hoist)





Base Machine - 4

Weight: 57,400 lbs (26,030 kg) Gantry, self removal unit, and wire ropes (front, rear, and boom hoist)











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

Dimensions and Weight

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



Boom Base

Weight: 2,500 lbs (1,120 kg)



10 ft (3.0 m) Insert Boom

Weight: 610 lbs (275 kg)





40 ft (12.2 m) Insert Boom Weight: 1,900 lbs (870 kg)





Self Removal Unit Weight: 1,900 lbs (860 kg)



Counterweight (L) Weight: 9,260 lbs (4,200 kg)



Auxiliary Sheave Weight: 320 lbs (145 kg)



Boom Tip

Weight: 2,300 lbs (1,025 kg)



20 ft (6.1 m) Insert Boom Weight: 1,100 lbs (475 kg)



40 ft (12.2 m) Insert Boom (with lug) Weight: 2,000 lbs (885 kg)



Dimensions and Weight

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

Jib Tip

Weight: 490 lbs (220 kg)



Jib Base

Weight: 440 lbs (200 kg)



Jib Strut

Weight: 460 lbs (210 kg)



10 ft (3.0 m) Jib Insert

Weight: 210 lbs (95 kg)





20 ft (6.1 m) Jib Insert Weight: 390 lbs (175 kg)

Transportation Plan

10101 10 pages 10 12	Refer	to	pages	10-12
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Description of Itom	Wei	ght	Trailer Loads			
	lbs	(kg)	#1	#2	#3	#4
Base Machine with Boom Base and Crawlers*	92,200	(41,810)	1			
Counterweight Base	20,550	(9,320)		1		
Counterweight (L)	9,260	(4,200)			2	
Counterweight ('R)	9,260	(4,200)		1	1	
Carbody Weight	7,170	(3,250)				2
10 ft Insert Boom	610	(275)			1	
20 ft Insert Boom	1,100	(475)		1		
40 ft Insert Boom	1,900	(870)			1	
40 ft Insert Boom (w/ Lug)	2,000	(885)				1
Boom Tip	2,300	(1,025)		1		
Jib Base	440	(200)				
10 ft Insert Jib	210	(95)				
20 ft Insert Jib	390	(175)				
Jib Tip	490	(220)				
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 Shippin	a Waight	lbs	92,200	37,010	30,290	21,430
Approx. Total Shippin	ig weight	(kg)	(41,810)	(16,746)	(13,745)	(9,694)

* 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.



Counterweight Self-Removal Device



Boom and Fixed Jib Arrangement

Boom length ft (m)	Boom arrangement
50 (15.2)	
60 (18.3)	
70 (21.3)	₩ <u>B 10 20 F</u>
80 (24.4)	
90 (27.4)	
100 (30.5)	
110 (33.5)	* E 10 20 40A T
120 (36.6)	
130 (39.6)	
140 (42.7)	
150 (45.7)	₩

Fixed Jib Arrangement

A			
Fixed Jib	Crane boom length	Jib length ft (m)	Jib arrangement
		30 (9.1)	BĪ
	80 ft (24.4 m)	40 (12.2)	BIOT
Boom_	(180 ft (54.9 m)	50 (15.2)	B 20 T
		60 (18.3)	B 20 10

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

Boom length ft (m)	Boom arrangement
160 (48.8)	Image: Weight of the second
170 (51.8)	[*]
180 (54.9)	Image: Weight of the second
190 (57.9)	
200 (61.0)	

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

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

** indicates the most lexible combination of insert lu ng booms, which can be modiled to form all shorter lu ng boom arrangements.
15 ft Jib Tip



180 ft (54.9 m) Main Boom and 60 ft (18.3 m) Fixed Jib



Working Ranges

Main Boom







Working Ranges

Fixed Jib 10°

Unit : ft (m)





Working Ranges

Fixed Jib 30°



Supplemental Data

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

Jib Length	Aux Sheave	30 ft	40 ft	50 ft	60 ft
Deduct (lbs)	320	2,400	3,200	4,200	5,200

- 8. When auxiliary sheave is used for 9 or 10 reeving parts of line, it is not required to deduct 320 lbs from rated load.
- 9. The total load that can be lifted by jib is limited by rated jib loads.
- 10. Boom lengths for jib mounting are 80 ft (24.4 m) to 180 ft (54.9 m)
- 11. The total load that can be lifted by the auxiliary sheave is the value for 320 lbs deducted from rated

load for the boom (without auxiliary sheave installed); however, the auxiliary sheave rated load should not exceed 17,000 lbs.

- 12. Boom lengths that can attach auxiliary sheave are from 50 ft (15.2 m) to 190 ft (57.9 m).
- 13. The boom should be erected over the front of the crawlers, not laterally. When erecting from or lowering to the ground the boom at length of 180 ft (54.9 m) with jib, the blocks for erections must be placed at the end of the crawlers.
- 14. Least stable position is over the side.
- 15. 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	4	5
Maximum Loads (lbs)	17,000	34,000	68,000	85,000

No. of Parts of line	6	7	8	9*	10*						
Maximum Loads (lbs)	102,000	119,000	136,000	153,000	160,000						
* 11 11 1											

* - Use auxiliary sheave

Maximum Load for Fixed Jib

No. of Parts of line	1	2
Maximum Loads (lbs)	17,000	24,000

Maximum Load Auxiliary Sheave

No. of Parts of line	1
Maximum Loads (lbs)	17,000

16. Weight of recommended hook block.

Hook Block	80USt	55USt	35USt	21USt	Ball Hook
Weight (lbs)	1,765	1,545	1,105	885	355

WARNING:

If the weight of the hook block to be used is lighter than the recommended weight, the jib may turn over backward or it is difficult to lower the empty hook block.

- 17. Lifting capacities listed apply only to the machine as originally manufactured and designed by KOBELCO CONSTRUCTION MACHINERY CO., LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.
- 18. Designed and rated to comply with ANSI Code B30.5. 5-2014

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

Main Boom Lift Capacity

Full Counterweight: 57,590 lbs

Carbody Weight: 14,340

5	0' Boc	m	6	0' Boo	m	7	0' Boc	m	8	0' Boo	m	90)' 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 (lbs)	Radius (ft)	Angle (deg.)	Rated Load (lbs)	Radius (ft)	Angle (deg.)	Rated Load (lbs)
12.0	81.1	160,000 *	13.0	81.6	154,200 *	14.0	82.0	143,600 *	16.0	81.6	126,300 *	17.0	81.9	118,820 *
13.0	79.9	154,400 *	14.0	80.7	143,800 *	15.0	81.2	134,500 *	17.0	80.8	119,100 *	18.0	81.2	112,400 *
14.0	78.8	144,000 *	15.0	79.7	134,700 *	16.0	80.3	126,500 *	18.0	80.1	112,600 *	19.0	80.6 70 0	105,220 96 870
15.0	76.4	134,900 ^	16.0	18.1	126,700 ^	17.0	79.5	119,300 ^	19.0	79.4	105,290	22.0	78.6	83,480
17.0	70.4	120,900 * 110 700 *	17.0	76.8	119,500 * 113 000 *	10.0 100	77.8	105 400	20.0	70.0	90,950 83 550	24.0	77.3	73,230
18.0	74.0	113,200 *	19.0	75.8	105.460	20.0	77.0	97.060	24.0	75.7	73.320	26.0	76.0	65,140
19.0	72.8	105,660	20.0	74.8	97,130	22.0	75.3	83,700	26.0	74.2	65,230	28.0	14.1	58,570
20.0	71.6	97,350	22.0	72.8	83,790	24.0	73.6	73,470	28.0	72.7	58,680	32.0	72.0	48.580
22.0	69.2	84,010	24.0	70.8	73,560	26.0	71.9	65,380	30.0	71.2	53,260	34.0	70.7	44,700
24.0	66.7	73,810	26.0	68.7	65,490	28.0	70.1	58,840	32.0	69.7	48,690	36.0	69.3	41,380
26.0	64.2	65,760	28.0	66.6	58,970	30.0	68.4	53,430	34.0	68.1	44,840	38.0	68.0	38,440
28.0	61.6 580	59,230 53,850	30.0	64.5	53,570 49 030	32.0	64.8	48,890 45 030	36.0	65.0	41,490 38 580	40.0	63 0	30,660
32.0	56.2	49 310	34.0	60.2	45 170	36.0	63.0	41 680	40.0	63.4	36,020	50.0	59.4	26,670
34.0	53.3	45,480	36.0	58.0	41,840	38.0	61.1	38,800	45.0	59.3	30,820	55.0	55.6	23,520
36.0	50.4	42,150	38.0	55.7	38,950	40.0	59.2	36,240	50.0	55.0	26,820	60.0	51.6	20,960
38.0	47.3	39,280	40.0	53.3	36,410	45.0	54.3	31,040	55.0	50.5	23,670	65.0 700	4/.4 12 0	18,870 17100
40.0	44.1	36,400	45.0	47.0	31,230	50.0	49.0	27,070	60.0	45.6	21,140	75.0	37.9	15.630
45.0	34.9	31,590	50.0	40.0	27,290	55.0	43.3	23,960	65.0	40.3	19,060	80.0	32.3	14,370
50.0	22./	26,890 *	55.0	31./	24,200	60.0	36.9	21,450	70.0	34.4	17,350	85.0	25.7	13,310
			00.0	20.0	21,000	05.0	29.5	15,420	/ 3.0	21.3	15,650			
Ree	eves	10 Reeves		10	Reeves 9		9	Reeves 8		8	Reeves		7	
												140' Boo		
10	0' Boo	om	11	0' Boo	om	12	0' Boo	om	13	0' Boo	om	14	0' Boc	om 📃
10 <i>Load</i>	0' Boo Boom	om	11 <i>Load</i>	0' Boo Boom	om 360°	12 Load	0' Boo Boom	om 360°	13 <i>Load</i>	0' Boo Boom	om	14 Load	0' Boo Boom	om
10 Load Radius	0' Boom Boom Angle	om 360° Rated Load	11 Load Radius	0' Boom Boom Angle	360° Rated Load	12 Load Radius	0' Boom Boom Angle	360° Rated Load	13 Load Radius	O' Boo Boom Angle	360° Rated Load	14 Load Radius	0' Boo Boom Angle	360° Rated Load
10 Load Radius (ft)	0' Boom Boom Angle (deg.)	om 360° Rated Load (Ibs)	Load Radius (ft)	0' Boom Boom Angle (deg.)	om 360° Rated Load (Ibs)	Load Radius (ft)	0' Boom Boom Angle (deg.)	om 360° Rated Load (lbs)	13 Load Radius (ft)	O' Boom Boom Angle (deg.)	om 360° Rated Load (Ibs)	14 Load Radius (ft)	0' Boom Boom Angle (deg.)	om 360° Rated Load (lbs)
10 Load Radius (ft) 19.0	0' Boom Boom Angle (deg.) 81.5	0m 360° Rated Load (lbs) 101,850 * 96 800	11 Load Radius (ft) 20.0 22.0	0' Boom Boom Angle (deg.) 81.8 80 7	0m 360° Rated Load (lbs) 92,590 * 83 260	12 Load Radius (ft) 22.0 24.0	0' Boom Boom Angle (deg.) 81.5 80.5	0m 360 Rated Load (lbs) 80,680 * 72,950	13 Load Radius (ft) 24.0 26.0	0' Boom Boom Angle (deg.) 81.3 80.4	0m 360° Rated Load (lbs) 71,200 * 64,610	14 Load Radius (ft) 24.0 26.0	0' Boom Boom Angle (deg.) 81.9 81.1	0m 360 Rated Load (lbs) 61,720 * 60,840 *
10 Load Radius (ft) 19.0 20.0 22.0	0' Boom Boom Angle (deg.) 81.5 80.9 79.8	om 360° Rated Load (lbs) 101,850 * 96,800 83,400	11 <i>Load</i> <i>Radius</i> <i>(ft)</i> 20.0 22.0 24.0	0' Boom Boom Angle (deg.) 81.8 80.7 79.7	0m 360 Rated Load (lbs) 92,590 * 83,260 73,010	12 Load Radius (ft) 22.0 24.0 26.0	0' Boom Boom Angle (deg.) 81.5 80.5 79.6	0m 360 Pated Load (lbs) 80,680 * 72,950 64,810	13 Load Radius (ft) 24.0 26.0 28.0	0' Boom Boom Angle (deg.) 81.3 80.4 79.5	0m 360 Rated Load (lbs) 71,200 * 64,610 58,020	14 Load Radius (ft) 24.0 26.0 28.0	0' Boom Boom Angle (deg.) 81.9 81.1 80.2 70.4	000 360 Pated Load (Ibs) 61,720 * 60,840 * 57,980
10 Load Radius (ft) 19.0 20.0 22.0 24.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6	om 360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120	11 Load Radius (ft) 20.0 22.0 24.0 26.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6	2000 360° Rated Load (lbs) 92,590 * 83,260 73,010 64,900	12 Load Radius (ft) 22.0 24.0 26.0 28.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6	0m 360 Rated Load (lbs) 80,680 * 72,950 64,810 58,240	13 Load Radius (ft) 24.0 26.0 28.0 30.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6	0m 360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570	14 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6	000 360 Rated Load (lbs) 61,720 * 60,840 * 57,980 52,530 47,950
10 Load Radius (ft) 19.0 20.0 22.0 24.0 26.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4	360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120 65,010	11 <i>Load</i> <i>Radius</i> <i>(ft)</i> 20.0 22.0 24.0 26.0 28.0 28.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5	5000 360° Rated Load (<i>Ibs</i>) 92,590 * 83,260 73,010 64,900 58,330 64,900 58,330	12 <i>Load</i> <i>Radius</i> <i>(ft)</i> 22.0 24.0 26.0 28.0 30.0 30.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 77.6	0m 360 Rated Load (lbs) 80,680 * 72,950 64,810 58,240 52,800 52,800	13 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 32.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7	m 360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 48,010	14 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 34.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7	0m 360° Rated Load (lbs) 61,720 * 60,840 * 57,980 52,530 47,950 44,040 44,040
10 Load Radius (ft) 19.0 20.0 24.0 26.0 28.0 30.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1	360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020	11 Load Radius (ft) 20.0 22.0 24.0 24.0 26.0 30.0 32.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5 76.5 75.4	360° Rated Load (lbs) 92,590 * 83,260 73,010 64,900 58,330 52,880 48,320	12 Load Radius (ft) 22.0 24.0 26.0 26.0 30.0 32.0 34.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 77.6 76.6 75.6	360° Pated Load (lbs) 80,680 * 72,950 64,810 58,240 52,800 48,230	13 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.8 75.9	360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 44,110 40,750	14 <i>Load</i> <i>Radius</i> (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.9 76.9	2000 360° 2360° 2360° 2400 2000 2000 2400 2000 2000 2500 2000 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 2500 20
10 Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 26.0 30.0 32.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9	2000 360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450	11 Load Radius (ft) 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5 76.5 75.4 74.3	360° Rated Load (lbs) 92,590 * 83,260 73,010 64,900 58,330 52,880 48,320 44,440	12 Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 76.6 75.6 74.7	360° Rated Load (Ibs) 80,680 * 72,950 64,810 58,240 52,800 48,230 44,330 40,980	13 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.8 75.9 74.9	0m 360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 44,110 40,760 37,830	14 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.9 76.0 75.2 73.1	2000 360° Rated Load (Ibs) 61,720 * 60,840 * 57,980 52,530 44,940 44,940 40,670 37,740 35,160 29,940
10 Load Radius (ft) 19.0 20.0 24.0 24.0 28.0 30.0 32.0 34.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7	360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 44,550	11 Load Radius (ft) 20.0 22.0 22.0 26.0 28.0 30.0 32.0 34.0 36.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5 76.5 75.4 74.3 73.2	DM 360° Rated Load (lbs) 92,590 * 83,260 73,010 64,900 58,330 52,880 48,320 44,440 41,090	12 Load Radius (ft) 22.0 24.0 24.0 28.0 30.0 32.0 34.0 34.0 38.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 77.6 76.6 75.6 74.7 73.7	360° Rated Load (Ibs) 80,680 * 72,950 64,810 58,240 52,800 48,230 44,330 40,980 38,050	13 Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.8 75.9 74.9 74.0	0m 360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 44,110 40,760 37,830 35,250	14 Load Radius (ft) 24.0 26.0 28.0 30.0 30.0 30.0 34.0 36.0 38.0 40.0 45.0 50.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.0 75.2 73.1 70.9	2000 360° Rated Load (Ibs) 61,720 * 60,840 * 57,980 52,530 47,950 44,040 40,670 37,740 35,160 29,910 25,880
10 Load Radius (ft) 19.0 20.0 24.0 24.0 28.0 30.0 32.0 34.0 34.0 36.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7 71.5	360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 44,550 41,200	11 Load Radius (ft) 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 36.0 38.0 36.0 38.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5 76.5 75.4 74.3 73.2 72.1	360° Rated Load (lbs) 92,590 * 83,260 73,010 64,900 58,330 52,880 48,320 44,440 41,090 38,160	12 Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 38.0 40.0 38.0 40.0 38.0 40.0 38.0 40.0 38.0 40.0 38.0 40.0 38.0 39.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0 30.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 77.6 76.6 75.6 74.7 73.7 72.7	360° Rated Load (lbs) 80,680 * 72,950 64,810 58,240 52,800 48,230 44,330 40,980 38,050 35,470	13 Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 40.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.8 75.9 74.9 74.0 71.7	2000 360° Pated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 44,110 40,760 37,830 35,250 30,000 30,000	14 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 55.0 55.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.0 75.2 73.1 70.9 68.5	2000 360° Rated Load (Ibs) 61,720 * 60,840 * 57,980 52,530 47,950 44,040 40,670 37,740 35,160 29,910 25,880 22,680 22,680 20,000
10 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	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 76.3 75.1 73.9 72.7 71.5 70.3	360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 44,550 41,200 38,290 25,730	11 Load Radius (ft) 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5 76.5 75.4 74.3 73.2 72.1 71.0 68 2	360° Rated Load (lbs) 92,590 * 83,260 73,010 64,900 58,330 52,880 48,320 44,440 41,090 38,160 35,600 30,350	12 Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 50.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 77.6 76.6 75.6 75.6 74.7 73.7 72.7 70.1 67.6	360° Pated Load (lbs) 80,680 * 72,950 64,810 58,240 52,800 48,230 44,330 40,980 38,050 35,470 30,220 26,210	13 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.8 75.9 74.9 74.0 71.7 69.4 67.0	360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 44,110 40,760 37,830 35,250 30,000 25,970	14 Load Radius (ft) 24.0 26.0 28.0 32.0 34.0 36.0 36.0 36.0 35.0 55.0 60.0 55.0 65.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.9 76.9 75.2 73.1 70.9 68.5 64.3	2000 360° Pated Load (lbs) 61,720 * 60,840 * 57,980 52,530 47,950 44,040 40,670 37,740 35,160 29,910 25,880 22,680 20,100 17,960
10 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 45.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7 71.5 70.3 69.0 65.9	360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 44,550 41,200 38,290 30,480	11 Load Radius (ft) 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 36.0 38.0 40.0 50.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5 76.5 75.4 74.3 73.2 72.1 71.0 68.2 65.4	360° Rated Load (lbs) 92,590 * 83,260 73,010 64,900 58,330 52,880 48,320 44,440 41,090 35,600 30,350 26,340	12 Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 34.0 36.0 38.0 40.0 45.0 55.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 77.6 76.6 75.6 74.7 73.7 72.7 70.1 67.6 65.0	360° Rated Load (lbs) 80,680 * 72,950 64,810 52,800 48,230 44,330 40,980 38,050 35,470 30,220 26,210 23,010	13 Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.8 75.9 74.0 71.7 69.4 67.0 64.6	m 360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 44,110 40,760 37,830 35,250 30,000 25,970 22,790 20,210	14 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 34.0 36.0 38.0 40.0 50.0 55.0 65.0 65.0 65.0 75.0 65.0 75.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 76.9 76.9 75.2 73.1 70.9 66.5 64.3 62.0 59.6	2000 360° Pated Load (lbs) 61,720 * 60,840 * 57,980 52,530 47,950 44,040 40,670 37,740 35,160 29,910 25,880 22,680 20,100 17,960 16,150 14,630
10 Load Radius (ft) 19.0 20.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 36.0 38.0 40.0 45.0 50.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7 71.5 70.3 69.0 65.9 62.7	360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 44,550 41,200 38,290 35,730 30,480 26,470	11 Load Radius (ft) 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 34.0 34.0 38.0 40.0 45.0 55.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5 76.5 75.4 74.3 73.2 72.1 71.0 68.2 65.4 62.5	2000 360° Rated Load (lbs) 92,590 * 83,260 73,010 64,900 58,330 52,880 48,320 48,320 44,440 41,090 38,160 35,600 30,350 26,340 23,170	12 Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 36.0 36.0 36.0 40.0 55.0 60.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 78.6 75.6 74.7 73.7 72.7 70.1 67.6 65.0 62.3	360° Rated Load (lbs) 80,680 * 72,950 64,810 52,800 48,230 44,330 40,980 38,050 35,470 30,220 26,210 23,010 20,450	13 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.8 75.9 74.9 74.9 74.9 74.0 69.4 67.0 64.6 62.1	360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 44,110 40,760 37,830 35,250 30,000 25,970 20,210 18,070	14 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 34.0 34.0 34.0 34.0 34.0 35.0 55.0 60.0 65.0 75.0 80.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 75.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6 59.6 59.6	2010 360° Pated Load (lbs) 61,720 * 60,840 * 57,980 52,530 44,040 40,670 35,160 29,910 25,880 20,100 17,960 16,150 14,630 13,310 13,310
10 Load Radius (ft) 19.0 20.0 24.0 26.0 28.0 30.0 34.0 34.0 36.0 38.0 40.0 45.0 55.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7 71.5 70.3 69.0 65.9 62.7 59.5	360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 41,200 38,290 30,480 26,470 23,320	11 Load Radius (ft) 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 55.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5 76.5 75.4 74.3 73.2 72.1 71.0 68.2 65.4 62.5 59.5	2000 360° Rated Load (lbs) 92,590 * 83,260 73,010 64,900 58,330 52,880 48,320 44,440 41,090 38,160 35,600 30,350 26,340 23,170 20,610	12 Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 36.0 36.0 36.0 55.0 60.0 65.0 65.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 77.6 76.6 75.6 74.7 73.7 72.7 70.1 67.6 65.0 62.3 59.5	360° Rated Load (lbs) 80,680 * 72,950 64,810 58,240 52,800 48,230 44,330 40,980 38,050 35,470 30,220 26,210 23,010 20,450 18,320	13 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 40.0 45.0 55.0 60.0 65.0 70.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.8 75.9 74.9 74.9 74.9 74.9 74.9 69.4 67.0 64.6 62.1 59.6	360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 40,760 37,830 35,250 30,000 25,970 22,790 20,210 18,070 16,290	14 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 32.0 34.0 34.0 34.0 38.0 45.0 55.0 75.0 80.0 85.0 90.0 85.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.0 75.2 73.1 70.9 68.7 66.5 64.3 66.5 64.3 659.6 59.6 59.6 57.2 54.2 52.2	m 360° Pated Load (lbs) 61,720 * 60,840 * 57,980 52,530 44,040 40,670 40,670 35,160 29,910 25,880 20,100 17,960 16,150 14,630 13,310 12,160 11,170
10 Load Radius (ft) 19.0 20.0 24.0 26.0 24.0 26.0 38.0 32.0 34.0 36.0 38.0 40.0 55.0 65.0 75.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7 71.5 70.3 69.0 65.9 62.7 59.5 56.1	360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 44,550 41,200 38,290 35,730 30,480 26,470 23,320 20,740 18,620	11 Load Radius (ft) 20.0 24.0 24.0 26.0 28.0 30.0 30.0 30.0 34.0 34.0 34.0 34.0 35.0 60.0 65.0 60.0 65.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5 75.4 74.3 73.2 72.1 71.0 68.2 65.4 62.5 59.5 56.4 62.5 59.5 56.2	2000 360° Pated Load (lbs) 92,590 * 83,260 73,010 64,900 58,330 52,880 48,320 44,440 41,090 38,160 35,600 30,350 26,340 23,170 20,610 18,490 16,710	12 Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 36.0 45.0 55.0 60.0 65.0 70.0 75.0 75.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 75.6 76.6 75.6 75.7 73.7 72.7 70.1 67.6 65.0 62.3 59.5 56.7 52.9	360° Rated Load (lbs) 80,680 * 72,950 64,810 58,240 52,800 48,230 44,330 40,980 38,050 35,470 30,220 26,210 23,010 20,450 18,320 16,530 15,010	13 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 34.0 34.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 75.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.8 75.9 74.9 74.0 74.0 74.0 74.0 69.4 67.0 64.6 62.1 59.6 57.0 54.3	360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 44,110 40,760 37,830 35,250 30,000 25,970 22,790 20,210 18,070 16,290 13,470	14 Load Radius (ft) 24.0 26.0 28.0 30.0 30.0 32.0 34.0 32.0 34.0 34.0 34.0 35.0 60.0 65.0 70.0 75.0 85.0 90.0 95.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 75.2 73.1 76.9 75.2 73.1 76.9 75.2 73.1 52.2 59.6 57.2 59.6 57.2 59.6 57.2 52.2 49.5	m 360° Rated Load (lbs) 61,720 * 60,840 * 57,980 47,950 44,040 40,670 37,740 35,160 29,910 25,880 20,100 17,960 16,150 14,630 13,310 12,160 11,170 10,290
10 Load Radius (ft) 19.0 20.0 24.0 26.0 24.0 26.0 30.0 30.0 34.0 36.0 38.0 40.0 55.0 60.0 60.0 70.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.4 76.3 75.7 73.9 72.7 71.5 70.3 69.0 65.9 62.7 59.5 56.1 52.5 548.8	360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 44,550 41,200 38,290 35,730 30,480 26,470 23,320 20,740 18,620 16,860	11 Load Radius (ft) 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5 76.5 75.4 74.3 73.2 72.1 71.0 68.2 65.4 62.5 59.5 56.4 59.5 56.4 53.2 49.9	2000 360° Pated Load (lbs) 92,590 * 83,260 73,010 64,900 58,330 52,880 48,320 44,440 41,090 38,160 35,600 30,350 26,340 23,170 20,610 18,490 16,710 15,210	12 Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 36.0 55.0 60.0 65.0 70.0 75.0 80.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 75.6 76.6 76.6 74.7 73.7 72.7 70.1 67.6 65.0 62.3 59.5 56.7 53.8 50.8	360° Rated Load (lbs) 80,680 * 72,950 64,810 58,240 52,800 48,230 44,330 40,980 38,050 35,470 30,220 26,210 23,010 20,450 18,320 16,530 15,010 13,710	13 Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 34.0 34.0 38.0 40.0 45.0 55.0 60.0 65.0 75.0 85.0 85.0 85.0 85.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.8 75.9 74.9 74.9 74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5	360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 44,110 40,760 37,830 35,250 30,000 25,970 22,790 20,210 18,070 16,290 14,770 13,470 12,320	14 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 32.0 34.0 32.0 34.0 35.0 55.0 60.0 65.0 75.0 85.0 70.0 85.0 90.0 95.0 100.0 105.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.0 75.2 73.1 70.9 66.5 64.3 62.0 59.6 57.2 57.2 57.2 59.6 57.2 57.2 57.2 57.2 57.2 57.2 57.2 57.2	m 360° Pated Load (lbs) 61,720 * 60,840 * 57,980 47,950 44,040 40,670 37,740 35,160 29,910 25,880 20,100 17,960 16,150 14,630 13,310 12,160 11,170 10,290 9,500 8,790
10 Load Radius (ft) 19.0 20.0 24.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 50.0 50.0 60.0 65.0 70.0 75.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.4 76.3 73.9 72.7 71.5 70.3 69.0 65.9 62.7 59.5 56.1 52.5 48.8 44.8	2360° Rated Load (Ibs) 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 44,550 41,200 38,290 35,730 30,480 26,470 23,320 20,740 18,620 16,860 15,360	11 Load Radius (ft) 20.0 22.0 24.0 26.0 28.0 30.0 34.0 34.0 36.0 38.0 40.0 45.0 55.0 65.0 65.0 70.0 75.0 80.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5 75.4 74.3 73.2 72.1 71.0 68.2 65.4 62.5 59.5 56.4 62.5 59.5 59.5 56.4 53.2 49.9 46.4	360° Rated Load (lbs) 92,590 * 83,260 73,010 64,900 58,330 52,880 48,320 44,440 41,090 38,160 35,600 30,350 26,340 23,170 20,610 18,490 16,710 15,210 13,910	12 Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 36.0 36.0 55.0 60.0 65.0 70.0 80.0 85.0 85.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 77.6 76.6 76.6 76.6 74.7 73.7 72.7 70.1 67.6 65.0 62.3 59.5 56.7 53.8 50.8 47.6	360° Rated Load (lbs) 80,680 * 72,950 64,810 58,240 52,800 48,230 44,330 40,980 38,050 35,470 30,220 26,210 23,010 20,450 18,320 16,530 15,010 13,710 12,580	13 Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 75.0 85.0 85.0 90.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.8 74.9 74.9 74.9 74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5 48.6	360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 44,110 40,760 37,830 35,250 30,000 25,970 20,210 18,070 16,290 14,770 13,470 12,320 11,330	14 Load Radius (ft) 24.0 26.0 28.0 30.0 30.0 32.0 34.0 32.0 34.0 38.0 40.0 45.0 55.0 60.0 65.0 65.0 75.0 85.0 90.0 95.0 100.0 105.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.0 75.2 73.1 70.9 66.5 64.3 62.0 59.6 57.2 54.7 52.2 54.7 54.7 55.2 55.2 54.7 55.2 54.7 55.2 55.2 55.2 55.2 55.2 55.2 55.2 55	360° Rated Load (lbs) 61,720 * 60,840 * 57,980 52,530 47,950 44,040 40,670 37,740 35,160 29,910 25,880 20,100 17,960 16,150 14,630 13,310 12,160 11,170 9,500 8,790 8,170 7,500
10 Load Radius (ft) 19.0 20.0 24.0 24.0 24.0 28.0 30.0 34.0 34.0 36.0 38.0 40.0 55.0 60.0 65.0 70.0 80.0 25.0 80.0 75.0 75.0 80.0 75.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7 71.5 70.3 65.9 62.7 59.5 56.1 52.5 48.8 44.8 40.6	360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 44,550 41,200 38,290 35,730 30,480 26,470 23,320 20,740 18,620 16,860 15,360 14,085	11 Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 34.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5 76.5 75.4 74.3 73.2 72.1 71.0 68.2 72.1 71.0 68.2 59.5 56.4 53.2 49.9 46.4 42.6	360° Rated Load (lbs) 92,590 * 83,260 73,010 64,900 58,330 52,880 48,320 44,440 41,090 38,160 35,600 30,350 26,340 23,170 20,610 18,490 16,710 15,210 13,910 12,800	12 Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 77.6 76.6 75.6 74.7 73.7 72.7 70.1 67.6 65.0 62.3 59.5 56.7 53.8 50.8 47.6 44.3	360° Pated Load (lbs) 80,680 * 72,950 64,810 58,240 52,800 48,230 44,330 40,980 38,050 35,470 30,220 26,210 23,010 20,450 18,320 16,530 15,010 13,710 12,580 11,590	13 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 50.0 55.0 65.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.8 75.9 74.9 74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5 48.6 45.6	360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 44,110 40,760 37,830 35,250 30,000 25,970 20,210 18,070 16,290 14,770 13,470 12,320 11,330 10,440	14 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 34.0 36.0 35.0 65.0 65.0 65.0 65.0 65.0 75.0 80.0 85.0 95.0 100.0 95.0 100.0 115.0 120.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 77.7 76.9 76.9 76.9 75.2 73.1 70.9 66.5 64.3 62.0 59.6 57.2 54.7 52.2 49.5 54.7 52.2 46.8 43.9 40.8 37.0	m 360° Pated Load (lbs) 61,720 * 60,840 * 57,980 52,530 47,950 44,040 40,670 35,160 29,910 25,880 20,100 17,960 16,150 14,630 13,310 12,160 11,170 10,290 9,500 8,790 8,170 7,620 7,120
10 Load Radius (ft) 19.0 20.0 24.0 24.0 24.0 28.0 30.0 34.0 34.0 34.0 36.0 38.0 40.0 55.0 60.0 65.0 70.0 75.0 80.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7 71.5 70.3 69.0 65.9 62.7 59.5 56.1 52.5 48.8 44.8 40.6 35.9 20.6	360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 44,550 41,200 38,290 30,480 26,470 23,320 20,740 18,620 16,860 15,360 14,080 12,980	11 Load Radius (ft) 20.0 22.0 24.0 28.0 30.0 32.0 34.0 34.0 36.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5 76.5 75.4 74.3 73.2 72.1 71.0 68.2 65.4 62.5 59.5 56.4 53.2 49.9 46.4 42.6 38.6 34.2	360° Rated Load (lbs) 92,590 * 83,260 73,010 64,900 58,330 52,880 48,320 44,440 41,090 35,660 30,350 26,340 23,170 20,610 18,490 16,710 15,210 13,910 12,800 11,830	12 Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 34.0 36.0 38.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 77.6 76.6 75.6 74.7 73.7 72.7 70.1 67.6 65.0 62.3 59.5 56.7 53.8 50.8 47.6 44.3 40.7	360° Rated Load (lbs) 80,680 * 72,950 64,810 52,800 48,230 44,330 40,980 38,050 35,470 30,220 26,210 23,010 20,450 18,320 16,530 15,010 13,710 12,580 10,730 20,260	13 Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 40.0 55.0 60.0 65.0 70.0 75.0 80.0 80.0 85.0 90.0 90.0 95.0 105.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.8 75.9 74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5 48.6 45.6 42.4 39.0	360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 44,110 40,760 37,830 35,250 30,000 25,970 20,210 18,070 16,290 14,770 13,470 12,320 11,330 9,670 8,000	14 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 65.0 65.0 70.0 75.0 80.0 85.0 95.0 100.0 115.0 120.0 100	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 76.9 76.9 75.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6 57.2 52.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6 57.2 57.2 52.2 54.7 52.2 54.7 52.2 54.7 52.2 54.7 52.2 54.7 52.2 54.7 52.2 54.7 52.2 54.7 52.2 54.7 52.2 54.7 52.2 54.7 52.2 54.7 52.2 54.7 52.2 54.7 55.2 54.7 55.2 57.2 57.2 57.2 57.2 57.2 57.2 57	360° Pated Load (lbs) 61,720 * 60,840 * 57,980 52,530 47,950 44,040 40,670 35,160 29,910 25,880 20,100 17,960 16,150 14,630 13,310 12,160 11,170 10,290 9,500 8,790 8,170 7,620 7,120 6,650
10 Load Radius (ft) 19.0 20.0 24.0 26.0 28.0 30.0 34.0 34.0 34.0 36.0 36.0 38.0 40.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7 71.5 70.3 69.0 65.9 62.7 59.5 56.1 52.5 48.8 44.8 40.6 35.9 30.6 24.3	360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 44,550 41,200 38,290 30,480 26,470 23,320 20,740 18,620 16,860 15,360 14,080 12,980 12,010 11,190	11 Load Radius (ft) 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 36.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5 76.5 75.4 74.3 73.2 72.1 71.0 68.2 65.4 65.4 65.4 65.4 65.4 65.5 59.5 56.4 53.2 49.9 46.4 42.6 38.6 34.2 29.2	360° Rated Load (lbs) 92,590 * 83,260 73,010 64,900 58,330 52,880 48,320 44,440 41,090 35,6600 30,350 26,340 23,170 20,610 18,490 16,710 15,210 13,910 12,800 11,830 10,970 10,250	12 Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 34.0 36.0 36.0 36.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 77.6 76.6 75.6 74.7 73.7 70.1 67.6 65.0 62.3 59.5 56.7 53.8 50.8 47.6 44.3 40.7 36.9 32.7	360° Rated Load (lbs) 80,680 * 72,950 64,810 58,240 52,800 48,230 44,330 40,980 38,050 35,470 30,220 26,210 23,010 20,450 18,320 16,530 15,010 13,710 12,580 10,730 9,960 9,280	13 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 90.0 90.0 100.0 100.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.8 75.9 74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5 48.6 45.6 45.4 35.4	360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 44,110 40,760 37,830 35,250 30,000 25,970 22,790 20,210 18,070 16,290 14,770 13,470 12,320 11,330 9,670 8,990 8,390	14 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 34.0 34.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 75.0 80.0 85.0 95.0 100.0 110.0 125.0 135.0 135.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.9 75.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6 57.2 59.6 57.2 59.6 57.2 59.5 46.8 43.9 40.8 43.9 40.8 37.5 34.0 30.1 25.7 20.5	360° Pated Load (lbs) 61,720 * 60,840 * 57,980 52,530 47,950 44,040 40,670 35,160 29,910 25,880 20,100 17,960 16,150 14,630 13,310 12,160 11,170 10,290 9,500 8,790 8,170 7,620 7,120 6,650 6,260 5,900
10 Load Radius (ft) 19.0 20.0 24.0 26.0 24.0 30.0 34.0 34.0 36.0 34.0 36.0 36.0 55.0 60.0 65.0 70.0 85.0 90.0 95.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7 71.5 70.3 69.0 65.9 62.7 59.5 56.1 52.5 48.8 44.8 40.6 35.9 30.6 24.3	360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 41,550 41,200 38,290 30,480 26,470 23,320 20,740 18,620 16,860 15,360 14,080 12,980 12,010 11,190	11 Load Radius (ft) 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 90.0 95.0 100.0 100.0 100.0 100.0 105.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5 76.5 75.4 74.3 73.2 72.1 71.0 68.2 65.4 62.5 59.5 56.4 62.5 59.5 56.4 53.2 49.9 46.4 42.6 38.6 34.2 29.2 23.2	2000 360° Pated Load (lbs) 92,590 * 83,260 73,010 64,900 58,330 52,880 48,320 44,440 41,090 38,160 35,600 30,350 26,340 23,170 20,610 18,490 16,710 15,210 13,910 12,800 11,830 10,250 9,610	12 Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 36.0 36.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 100.0 105.0 110.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 77.6 76.6 75.6 74.7 73.7 72.7 70.1 67.6 65.0 62.3 59.5 56.7 53.8 50.8 47.6 44.3 40.7 36.9 32.7 27.9	360° Rated Load (lbs) 80,680 * 72,950 64,810 58,240 52,800 48,230 44,330 40,980 38,050 35,470 30,220 26,210 23,010 20,450 18,320 16,530 15,010 13,710 12,580 11,590 10,730 9,280 8,680	13 Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.8 75.9 74.9 74.9 74.9 74.9 74.0 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5 48.6 42.4 39.0 35.4 31.3	360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 44,110 40,760 37,830 35,250 30,000 25,970 20,210 18,070 16,290 14,770 13,470 11,330 10,440 9,670 8,990 8,390 7,840	14 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 32.0 34.0 34.0 34.0 36.0 38.0 45.0 55.0 75.0 75.0 80.0 85.0 90.0 105.0 105.0 115.0 125.0 135.0 135.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.0 75.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6 57.2 54.7 52.2 54.7 52.2 54.3 64.3 62.0 59.6 57.2 54.3 64.3 62.0 59.6 57.2 54.7 52.2 54.7 52.2 54.7 52.2 54.3 63.5 57.2 57.2 57.2 57.2 57.2 57.2 57.2 57	360° Pated Load (lbs) 61,720 * 60,840 * 57,980 52,530 47,950 44,040 40,670 35,160 29,910 25,880 20,100 17,960 16,150 14,630 13,310 12,160 9,500 8,790 8,170 7,620 7,120 6,650 6,260 5,900
10 Load Radius (ft) 19.0 20.0 24.0 26.0 24.0 30.0 32.0 34.0 36.0 34.0 36.0 36.0 55.0 60.0 65.0 75.0 80.0 85.0 95.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7 71.5 70.3 69.0 65.9 62.7 59.5 56.1 52.5 48.8 40.6 35.9 30.6 24.3	360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 41,200 38,290 35,730 30,480 26,470 23,320 20,740 18,620 16,860 15,360 14,080 12,980 12,980 12,910 11,190	11 Load Radius (ft) 20.0 24.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 85.0 90.0 95.0 100.0 100.0 105.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5 76.5 75.4 74.3 73.2 72.1 71.0 68.2 65.4 62.5 59.5 56.4 53.2 49.9 46.4 53.2 49.9 46.4 53.2 49.9 46.4 53.2 49.9 46.4 53.2 29.2 23.2	360° Rated Load (lbs) 92,590 * 83,260 73,010 64,900 58,330 52,880 48,320 44,440 41,090 38,160 35,600 30,350 26,340 23,170 20,610 18,490 16,710 15,210 13,910 12,800 10,250 9,610	12 Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 36.0 36.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 77.6 76.6 75.6 74.7 73.7 72.7 70.1 67.6 65.0 62.3 59.5 56.7 53.8 50.8 50.8 50.8 40.7 36.9 32.7 27.9 22.2	360° Rated Load (lbs) 80,680 * 72,950 64,810 58,240 52,800 48,230 44,330 40,980 38,050 35,470 30,220 26,210 23,010 20,450 18,320 16,530 15,010 12,580 10,730 9,960 9,280 8,680 8,170	13 Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 36.0 36.0 36.0 36.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 90.0 90.0 90.0 90.0 100.0 110.0 115.0 120.0 1	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.8 75.9 74.9 74.9 74.9 74.9 74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5 48.6 45.6 45.6 45.6 42.4 39.0 35.4 31.3 26.7	360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 44,110 40,760 37,830 35,250 30,000 25,970 22,790 20,210 18,070 16,290 14,770 13,470 12,320 11,330 10,440 9,670 8,990 8,390 7,360	14 Load Radius (ft) 24.0 26.0 28.0 30.0 30.0 32.0 34.0 32.0 34.0 34.0 34.0 38.0 45.0 55.0 75.0 85.0 90.0 75.0 85.0 95.0 105.0 115.0 125.0 135.0 135.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 75.2 73.1 70.9 66.5 64.3 62.0 59.6 57.2 54.2 59.6 59.6 59.6 57.2 54.3 40.8 37.5 340.1 25.7 20.5	360° Pated Load (lbs) 61,720 * 60,840 * 57,980 52,530 47,950 44,040 40,670 35,160 29,910 25,880 20,100 17,960 16,150 14,630 13,310 12,160 11,170 10,290 9,500 8,790 8,170 7,620 7,120 6,650 6,260 5,900
10 Load Radius (ft) 19.0 20.0 24.0 26.0 24.0 26.0 32.0 34.0 32.0 34.0 36.0 38.0 40.0 55.0 60.0 65.0 75.0 80.0 95.0 95.0	0' Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7 71.5 70.3 69.0 65.9 62.7 59.5 56.1 52.5 48.8 44.8 40.6 35.9 30.6 24.3	360° Rated Load (lbs) 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 44,550 41,200 38,290 35,730 30,480 26,470 23,320 20,740 18,620 16,860 15,360 14,080 12,980 12,910 11,190	11 Load Radius (ft) 20.0 24.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 75.0 85.0 90.0	0' Boom Angle (deg.) 81.8 80.7 79.7 78.6 77.5 75.4 74.3 73.2 72.1 71.0 68.2 65.4 62.5 59.5 56.4 53.2 49.9 46.4 42.6 38.6 34.2 29.2 23.2	360° Rated Load (lbs) 92,590 * 83,260 73,010 64,900 58,330 52,880 48,320 44,440 41,090 38,160 35,600 30,350 26,340 23,170 20,610 18,490 16,710 15,210 13,910 12,800 11,830 10,970 10,250 9,610	12 Load Radius (ft) 22.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 36.0 36.0 36.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0	0' Boom Angle (deg.) 81.5 80.5 79.6 78.6 75.6 76.6 75.6 74.7 73.7 72.7 70.1 67.6 65.0 62.3 59.5 56.7 53.8 50.8 50.8 40.7 36.9 32.7 27.9 22.2	360° Rated Load (lbs) 80,680 * 72,950 64,810 58,240 52,800 48,230 44,330 40,980 38,050 35,470 30,220 26,210 23,010 20,450 18,320 16,530 15,010 13,710 12,580 11,590 10,730 9,960 9,280 8,680 8,170	13 Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0 120.0 125.0	0' Boom Angle (deg.) 81.3 80.4 79.5 78.6 77.7 76.8 75.9 74.9 74.9 74.9 74.0 71.7 69.4 67.0 64.6 62.1 59.6 57.0 54.3 51.5 48.6 45.6 42.4 35.4 35.4 35.4 35.4 35.4 35.4 31.3 26.7 21.2	360° Rated Load (lbs) 71,200 * 64,610 58,020 52,570 48,010 44,110 40,760 37,830 35,250 30,000 25,970 22,790 20,210 18,070 16,290 14,770 13,470 12,320 10,440 9,670 8,990 8,390 7,840 7,360 6,940	14 Load Radius (ft) 24.0 26.0 28.0 30.0 30.0 30.0 32.0 34.0 32.0 34.0 34.0 35.0 60.0 65.0 70.0 75.0 85.0 90.0 95.0 105.0 110.0 115.0 125.0 135.0 135.0	0' Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 75.2 73.1 76.9 75.2 73.1 76.9 75.2 73.1 70.9 66.5 64.0 59.6 59.6 59.6 59.6 59.6 59.6 59.6 59.6	2011 360° Rated Load (lbs) 61,720 * 60,840 * 57,980 52,530 44,040 40,670 40,670 35,160 29,910 25,880 20,100 16,150 14,630 13,310 12,160 11,170 10,290 9,500 8,790 8,170 7,620 5,900

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

Refer to notes on page 19.

Main Boom Lift Capacity

Full Counterweight: 57,590 lbs Carbody Weight: 14,340

15	60' Boo	om	16	60' Boo	om	17	0' Boo	om	18	0' Boo	om	190)' 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 (lbs)	Radius (ft)	Angle (deg.)	Rated Load (lbs)	Radius (ft)	Angle (deg.)	Rated Load (lbs)
26.0 30.0 32.0 34.0 38.0 45.0 55.0 60.0 65.0 70.0 85.0 70.0 95.0 105.0 115.0 115.0 115.0 135.0 130.0 135.0	81.7 80.9 80.1 79.3 78.6 77.8 77.0 76.2 74.2 74.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 55.1 52.7 50.3 47.7 50.3 47.7 42.3 39.4 42.3 39.4 42.3 39.4 29.1 24.8	52,680 * 51,800 * 51,140 * 47,810 43,890 40,540 37,610 35,030 29,760 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000 10,110 9,320 8,640 8,640 8,000 7,420 6,450 6,040 5,660 5,330	28.0 30.0 32.0 34.0 36.0 36.0 50.0 50.0 60.0 65.0 70.0 75.0 80.0 85.0 95.0 100.0 115.0 120.0 115.0 135.0 145.0	81.5 80.7 80.0 79.3 78.6 77.8 77.1 75.2 73.4 71.5 69.6 67.7 63.7 63.7 63.7 63.7 63.7 63.7 55.4 53.2 50.9 48.6 40.9 38.1 35.0 31.8 1 24.0	44,090 * 43,430 * 42,760 * 42,100 * 40,520 37,560 29,710 25,680 29,710 25,680 19,880 17,720 15,930 14,390 13,070 11,920 10,910 10,910 10,900 9,210 8,500 7,870 7,290 6,760 6,760 6,280 5,860 5,860 5,860 5,440 5,070 4,710 4,380	28.0 30.0 32.0 34.0 36.0 36.0 50.0 50.0 60.0 65.0 70.0 75.0 80.0 85.0 95.0 100.0 115.0 120.0 115.0 135.0 145.0 155.0 16.0	82.0 81.3 80.9 79.9 79.2 78.6 77.9 76.1 74.4 70.9 69.1 67.2 65.4 63.5 61.6 59.7 55.7 55.7 55.7 55.7 55.7 57.7 53.6 49.3 47.0 42.2 39.6 36.9 30.8 30.8 27.3 23.3	38,800 * 38,130 * 37,470 * 37,030 * 36,370 * 36,370 * 34,780 29,510 25,460 25,460 25,460 19,660 17,520 19,660 17,520 12,850 11,680 10,670 9,780 8,990 8,260 7,620 7,050 6,520 3,760 3,500	30.0 32.0 34.0 38.0 45.0 55.0 60.0 55.0 60.0 75.0 80.0 95.0 90.0 95.0 105.0 105.0 105.0 125.0 135.0 140.0 145.0 155.0 160.0 160.0 160.0 170.0	81.8 81.7 79.8 79.2 78.5 75.3 73.6 75.3 73.6 70.3 68.6 66.1 63.3 61.5 55.9 57.8 55.9 47.8 65.1 55.9 47.8 43.3 40.9 38.4 8 33.0 29.9 26.5 22.6	33,730 * 33,060 * 32,620 * 31,960 * 31,520 * 29,250 22,000 19,400 17,260 15,450 12,560 11,410 10,400 9,500 8,700 8,700 8,700 8,700 6,230 5,700 5,220 4,780 4,380 4,380 4,380 3,680 3,370 2,840 2,840 2,840	32.0 34.0 36.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 95.0 95.0 95.0 100.0 115.0 125.0 135.0 135.0 145.0 155.0 155.0 165.0	81.6 80.4 79.8 79.2 77.6 74.5 72.9 71.3 69.7 66.5 64.3 63.2 61.4 59.7 57.9 56.1 54.3 52.4 55.5 54.3 52.4 55.5 54.3 52.4 54.3 52.4 54.3 52.4 54.3 52.4 54.3 52.4 55.5 55.1 54.3 52.4 55.5 55.1 54.3 52.4 55.5 55.1 54.3 55.2 55.1 55.3 55.1 55.3 55.1 55.3 55.1 55.3 55.1 55.3 55.2 55.3 55.1 55.3 55.3 55.3 55.3 55.3 55.3	29,540 * 28,880 * 28,880 * 27,550 * 27,550 * 25,300 22,110 19,510 17,350 12,650 11,500 11,500 11,500 11,500 11,500 11,500 11,500 11,500 11,500 11,500 11,500 11,500 11,500 11,500 11,500 12,650 8,770 8,770 8,770 8,260 4,800 4,400 4,400 4,400 3,350 3,040 2,770 2,510
Ree	eves	4	Ree	eves	4	Ree	ves	4	Ree	eves	2	Ree	ves	2
20	0' Boo	om												
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)												
34.0 36.0 38.0 45.0 55.0 65.0 65.0 77.0 75.0 80.0 90.0 95.0 100.0 110.0 115.0 112.0 133.0 135.0 135.0 140.0	81.4 80.9 80.3 79.7 78.2 76.8 72.3 70.8 67.7 66.2 64.6 63.0 61.4 59.7 58.1 56.3 54.6 52.8 51.0 49.1	25,790 * 25,350 * 24,910 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 11,260 10,250 9,340 8,530 7,160 6,560 5,970 5,440 4,960 4,510												
145.0 150.0 155.0 160.0	47.2 45.2 43.1 41.0 38.7	4,100 3,700 3,350 3,040 2,730												

Note: Designed and rated to comply with ANSI Code B30.5 Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts. Refer to notes on page 19.

Fixed Jib Lift Capacity

Full Counterweight: 57,590 lbs Carbody Weight: 14,340

		oom															
		30 f	t Jib			40 t	ft J ib			50 f	ft J ib			60 1	ft Ji b		
Load		O⊡set An	gle (deg.)			O⊡set An	gle (deg.,)		O⊡set An	gle (deg.)			O⊡set Ar	gle (deg.))	Load
Radius	1	0	3	30	1	0	3	30	1	0	3	0	1	10	3	30	Radius
(IT)	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	(11)
	(deg.)	(Ibs)	(deg.)	(Ibs)	(deg.)	(Ibs)	(deg.)	(lbs)	(deg.)	(Ibs)	(deg.)	(Ibs)	(deg.)	(lbs)	(deg.)	(lbs)	
30	79.3	24,000*															30
32	78.0	24,000*			70.0	24.000*											32
34	77.0	24,000*			79.3	24,000*											34
30	75.9	24,000*	70.0	20.220*	78.3	24,000"			70.2	20.000*							30
38	74.9 72 0	24,000° 24,000*	79.0 79.5	20,230*	77.4	24,000*			79.5	20,000*			70.8	18 000*			38
40	71.1	24,000 24,000*	75.7	19,730	73.0	24,000	70 7	15 360*	76.1	20,000			77.7	17 940*			40
50	68.3	24,000 24 000 *	728	17,000	71.4	27,000 22,150*	77.1	14.480*	73.8	18.540*			75.6	16.330*			50
55	65.3	23.890	69.7	16,710*	68.7	20.280*	74.3	13.640*	71.3	16,950*	78.0	11.080*	73.3	14,900*			55
60	62.3	21.340	66.7	15.960*	66.1	18.800*	71.6	12.980*	68.9	15.690*	75.5	10,490*	71.2	13,750*	78.7	8,950*	60
65	59.3	19,200	63.6	15,290*	63.4	17,520*	68.8	12,360*	66.5	14,610*	73.0	9,980*	69.0	12,780*	76.4	8,480*	65
70	56.2	17,410	60.3	14,700*	60.6	16,400*	65.9	11,830*	64.0	13,660*	70.4	9,540*	66.7	11,900*	74.1	8,060*	70
75	52.8	, 15,780	56.7	14,150*	57.6	15,360*	62.7	11,350*	61.3	12,760*	67.6	9,100*	64.2	11,110*	71.5	7,670*	75
80	49.3	14,460	53.1	13,710*	54.6	14,520*	59.6	10,930*	58.7	12,030*	64.8	8,730*	61.9	10,440*	69.0	7,340*	80
85	45.7	13,330			51.5	13,470	56.3	10,560*	56.0	11,390*	62.0	8,420*	59.5	9,850*	66.5	7,030*	85
90	41.8	12,320			48.3	12,450	52.9	10,250*	53.2	10,800*	59.0	8,130*	57.0	9,320*	63.9	6,760*	90
95	37.2	11,370			44.6	11,500			50.0	10,250*	55.6	7,840*	54.2	8,810*	60.9	6,500*	95
100	32.4	10,600			40.8	10,710			46.9	9,780*	52.3	7,620*	51.5	8,390*	58.1	6,280*	100
105					36.7	10,000			43.6	9,360*			48.7	8,020*	55.0	6,100*	105
110									40.0	8,990*			45.7	7,670*	51.8	5,930*	110
115									35.8	8,640*			42.3	/,340*			115
120													38.8	7,050 °			120
125													35.1	0,810"			125
Reeves		2		2		2		1		2		1		2		1	Reeves
	<u>90' B</u>	oom															
		30 f	4 116			40.4	ft lib			50 f	ft lih			601	ft lib		
			UJID			401	UJID			501				001	UJID		1
Load		O⊡set An	gle (deg.))		0⊡set An	igle (deg.,)		O⊡set An	igle (deg.)			O⊡set Ar	ngle (deg.))	Load
Load Radius (ft)	1	O⊡set An 0	gle (deg.)) 30	1	401 O⊡set An 10	igle (deg.,) 30	1	O⊡set An	igle (deg.)	80	1	0⊡set An 10	ngle (deg.)) 30	Load Radius
Load Radius (ft)	1 Boom Angle	O set An O Rated Load	gle (deg.) Boom Angle	80 Rated Load	1 Boom Angle	O set An	igle (deg., Boom Angle) 30 Rated Load	1 Boom Angle	O set An	igle (deg.) Boom Angle	Rated Load	1 Boom Angle	O set Ar	igle (deg.) Boom Angle	BO Rated Load	Load Radius (ft)
Load Radius (ft)	1 Boom Angle (deg.)	O set An O Rated Load (lbs)	gle (deg.) Boom Angle (deg.)	BO Rated Load (lbs)	Boom Angle (deg.)	O set An O set An O Rated Load (lbs)	Boom Angle (deg.)) 30 Rated Load (lbs)	1 Boom Angle (deg.)	O set An O Rated Load (lbs)	Boom Angle (deg.)	O Rated Load (lbs)	1 Boom Angle (deg.)	O set Ar	Boom Angle (deg.)) BO Rated Load (Ibs)	Load Radius (ft)
Load Radius (ft) 32	1 Boom Angle (deg.) 79.1	O set An O Rated Load (lbs) 24,000*	gle (deg.) Boom Angle (deg.)	BO Rated Load (Ibs)	Boom Angle (deg.)	O set An Rated Load (lbs)	Boom Angle (deg.)) 30 Rated Load (lbs)	1 Boom Angle (deg.)	O set An Rated Load (lbs)	agle (deg.)	O Rated Load (lbs)	Boom Angle (deg.)	O set Ar	Boom Angle (deg.)	30 Rated Load (Ibs)	Load Radius (ft)
Load Radius (ft) 32 34 26	1 Boom Angle (deg.) 79.1 78.1	O_set An O Rated Load (lbs) 24,000* 24,000*	gle (deg.)	BO Rated Load (lbs)	Boom Angle (deg.)	O set An O Rated Load (lbs)	agle (deg.)	30 Rated Load (lbs)	1 Boom Angle (deg.)	O set An O set An O Rated Load (lbs)	gle (deg.)	CO Rated Load (Ibs)	Boom Angle (deg.)	O set Ar 10 Rated Load (lbs)	ngle (deg.)	BO Rated Load (lbs)	Load Radius (ft) 32 34
Load Radius (ft) 32 34 36 38	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2	O set An O set An O Pated Load (lbs) 24,000* 24,000* 24,000*	gle (deg.)	30 Rated Load (lbs)	1 Boom Angle (deg.) 79.3 78.4	0 set An 0 set An 10 Rated Load (lbs) 24,000* 24,000*	Boom Angle (deg.)	30 Rated Load (lbs)	1 Boom Angle (deg.)	O set An O Rated Load (lbs)	gle (deg.)	C Pated Load (lbs)	Boom Angle (deg.)	O set Ar 10 Rated Load (lbs)	I GID Ingle (deg.) Boom Angle (deg.)	30 Rated Load (lbs)	Load Radius (ft) 32 34 36 38
Load Radius (ft) 32 34 36 38 40	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2	O_set An O_set An O Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000*	gle (deg.) Boom Angle (deg.)	30 Rated Load (lbs)	1 Boom Angle (deg.) 79.3 78.4 77 5	24,000* 24,000* 24,000*	gle (deg., Boom Angle (deg.)	30 Rated Load (Ibs)	1 Boom Angle (deg.) 80.0 79.2	O set An O set An (bs) 20,000* 20,000*	gle (deg.)	O Pated Load (lbs)	Boom Angle (deg.)	O set Ar O Rated Load (lbs)	I GID I GIE (deg.) Boom Angle (deg.)	30 Rated Load (Ibs)	Load Radius (ft) 32 34 36 38 40
Load Radius (ft) 32 34 36 38 40 40 45	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2 72.7	O_set An O Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	gle (deg.) Boom Angle (deg.) 79.5 77.0	30 Rated Load (lbs) 20,170* 19,060 *	79.3 78.4 775.2	0 set An 0 set An 0 Rated Load (lbs) 24,000* 24,000* 24,000* 24,000*	gle (deg., Boom Angle (deg.)	30 Rated Load (Ibs)	1 Boom Angle (deg.) 80.0 79.2 77.1	O set An O set An (lbs) 20,000* 20,000* 20,000*	gle (deg.)	O Pated Load (Ibs)	1 Boom Angle (deg.) 78.6	O set Ar O Rated Load (lbs)	I GID Ingle (deg.) Boom Angle (deg.)	30 Rated Load (Ibs)	Load Radius (ft) 32 34 36 38 40 45
Load Radius (ft) 32 34 36 38 40 45 50	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2 72.7 70.2	O_set An O Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000*	79.5 774.4	20,170* 18,120*	79.3 78.4 775.5 75.2 72.9	O set An O set An O 24,000* 24,000* 24,000* 24,000* 24,000* 23,320*	gle (deg.)	30 Rated Load (lbs) 14,810*	1 Boom Angle (deg.) 80.0 79.2 77.1 75.0	O set An O set An O Rated Load (lbs) 20,000* 20,000* 20,000* 19,400*	Boom Angle (deg.)	BO Pated Load (Ibs)	78.6 76.6	O set Ar O set Ar O Rated Load (lbs) 18,000* 17,040*	gle (deg.) Boom Angle (deg.)	30 Rated Load (lbs)	Load Radius (ft) 32 34 36 38 40 40 45 50
Load Radius (ft) 32 34 36 38 40 45 50 55	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5	C set An C set	Image 3 gle (deg.) Boom Angle (deg.) 3 79.5 77.0 74.4 71.6	30 Rated Load (lbs) 20,170* 19,060* 18,120* 17,210 *	79.3 79.3 78.4 77.5 75.2 72.9 70.4	24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 23,320* 21,400*	gle (deg., Boom Angle (deg.) 78.2 75.6	30 Rated Load (lbs) 14,810* 14,020 *	1 Boom Angle (deg.) 80.0 79.2 77.1 75.0 72.7	O set An O set An O Pated Load (lbs) 20,000* 20,000* 20,000* 19,400* 17,790*	rgle (deg.) Boom Angle (deg.) 78.9	O Rated Load (lbs) 11,300*	78.6 74.5	O_set Ar O_set Ar 10 Pated Load (lbs) 18,000* 17,040* 15,580*	igle (deg.) Boom Angle (deg.)	30 Pated Load (lbs)	Load Radius (ft) 32 34 36 38 40 45 50 55
Load Radius (ft) 32 34 36 38 40 45 50 55 60	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9	C_set An O_set An O Rated Load (lbs) 24,000* 24,00*	Image: Children of the second secon	30 Rated Load (lbs) 20,170* 19,060* 18,120* 17,210* 16,460*	79.3 79.3 78.4 77.5 75.2 72.9 70.4 68.1	24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 23,320* 21,400* 19,880*	78.2 73.2 73.2	30 Rated Load (lbs) 14,810* 14,020 * 13,330*	1 Boom Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5	O_set An O_set An O Pated Load (lbs) 20,000* 20,000* 20,000* 19,400* 17,790* 16,510*	78.9 76.7	0 Rated Load (lbs) 11,300* 10,730*	78.6 76.6 72.5	C_set Ar C_set Ar C Reted Load (lbs) 18,000* 17,040* 15,580* 14,410*	rgle (deg.) Boom Angle (deg.)	30 <u>Rated Load</u> (lbs) 9,100*	Load Radius (ft) 32 34 36 38 40 45 50 55 60
Load Radius (ft) 32 34 36 38 40 45 50 55 60 65	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2	C_set An O Rated Load (lbs) 24,000*	gle (deg.) 3 Boom Angle (deg.) 3 79.5 77.0 74.4 71.6 68.9 66.1	30 Rated Load (lbs) 20,170* 19,060* 18,120* 17,210* 16,460* 15,800*	79.3 79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6	24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 23,320* 21,400* 19,880* 18,560*	78.2 78.2 75.6 73.2 70.7	30 Rated Load (lbs) 14,810* 14,020* 13,330* 12,760*	1 Boom Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3	C) set An C) Reted Load (lbs) 20,000* 20,000* 20,000* 19,400* 17,790* 16,510* 15,380*	78.9 76.7 74.4	0 Rated Load (lbs) 11,300* 10,730* 10,250*	78.6 76.6 74.5 70.5	C set Ar C set Ar C Reted Load (lbs) 18,000* 17,040* 15,580* 14,410* 13,400*	rgle (deg.) Boom Angle (deg.) 79.5 77.4	30 Pated Load (lbs) 9,100* 8,660*	Load Radius (ft) 32 34 36 38 40 45 50 55 60 65
Load Radius (ft) 32 34 36 38 40 45 50 55 60 65 60 65 70	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4	C_set An O_set An O Rated Load (lbs) 24,000* 24,00*	Image General Control	20,170* 19,060* 18,120* 16,460* 15,800* 15,210* 15,210*	79.3 79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2	24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 21,400* 19,880* 19,880* 19,880* 17,370	gle (deg., gle (deg., Boom Angle (deg.) 78.2 75.6 73.2 70.7 68.1 25.2	Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230*	1 Boom Angle (deg.) 79.2 77.1 75.0 72.7 70.5 68.3 66.1 200	O set An O set An O Reted Load (lbs) 20,000* 20,000* 20,000* 19,400* 17,790* 16,510* 14,390* 14,390*	78.9 76.7 74.4 72.0	0 Rated Load (lbs) 11,300* 10,730* 10,250* 9,780*	78.6 76.6 74.5 70.5 68.4	C set Ar C set Ar C Reted Load (lbs) 18,000* 17,040* 15,580* 14,410* 13,400* 12,520* 14,202*	79.5 77.4 75.3	9,100* 8,240*	Load Radius (ft) 32 34 36 38 40 45 50 55 60 65 60 65 70
Load Radius (ft) 32 34 36 38 40 45 50 55 60 65 70 75 70 75	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 59.4	C_set An O_set An O Rated Load (lbs) 24,000* 21,120 19,000 17,190 15,560	79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2	20,170* 19,060* 19,060* 18,120* 17,210* 16,460* 15,210* 14,600* 14,160*	79.3 79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4	24,000* 24,00* 24,000*	gle (deg., gle (deg., Boom Angle (deg.) 78.2 75.6 73.2 70.7 68.1 62.5	14,810* 14,810* 14,020* 13,330* 12,230* 11,200*	1 Boom Angle (deg.) 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.3 66.1 63.6	C) set An C) Rated Load (lbs) 20,000* 20,000* 20,000* 19,400* 17,790* 16,510* 14,390* 13,490* 13,290* 13,290* 13,290* 13,290* 13,290* 13,290* 13,290* 13,290* 13,290* 13,290* 13,290* 13,290* 14,2	78.9 76.7 74.4 72.0 69.5	0 Rated Load (lbs) 11,300* 10,730* 10,250* 9,780* 9,780* 0,000*	78.6 76.6 74.5 70.5 68.4 66.0	C set Ar C set Ar C Reted Load (lbs) 18,000* 17,040* 15,580* 14,410* 13,400* 12,520* 11,600* 11,000*	79.5 77.4 75.3 72.9	9,100* 8,660* 8,240* 7,870*	Load Radius (ft) 32 34 36 38 40 45 50 55 60 65 70 75 200
Load Radius (ft) 32 34 36 38 40 45 50 55 60 55 60 65 70 75 80 85	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4	C set An O set An O Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 11,120 19,000 17,190 15,560 14,240 13,000	The second sec	20,170* 19,060* 19,060* 18,120* 17,210* 16,460* 15,210* 14,600* 13,320	79.3 79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 57.8 55 1	24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 14,400* 13,200 13,740 14,410 13,200	gle (deg., gle (deg., Boom Angle (deg.) 78.2 75.6 73.2 70.7 68.1 62.5 59 7	Ated Load (lbs) 14,810* 14,810* 14,020* 13,330* 12,230* 12,230* 11,300* 11,300*	1 Boom Angle (deg.) 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8	C) set An C) Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,400* 17,790* 16,510* 14,390* 13,490* 12,720* 12,020*	78.9 76.7 74.4 72.0 69.5 67.0 64.5	0 Rated Load (lbs) 11,300* 10,730* 10,250* 9,780* 9,780* 8,990* 8,900* 8,900*	78.6 76.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8	C set Ar C set Ar C Reted Load (lbs) 18,000* 17,040* 15,580* 14,410* 13,400* 13,400* 13,400* 11,680* 11,000*	79.5 77.4 75.3 72.9 70.7	9,100* 8,660* 8,240* 7,570* 7,230* 7,230*	Load Radius (ft) 32 34 36 38 40 45 50 55 50 60 65 55 60 65 70 75 80 85
Load Radius (ft) 32 34 36 38 40 45 50 55 60 55 60 55 60 55 60 55 80 85 90	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47 1	C set An O set An O Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 1,120 19,000 17,190 15,560 14,240 13,090 12,100	Tip gle (deg.) 3 Boom Angle (deg.) 79.5 77.0 74.4 71.6 68.9 66.1 63.3 60.2 57.1 53.9	20,170* 19,060 * 18,120* 17,210 * 16,460* 15,800* 15,210* 14,660 * 14,190* 13,330	79.3 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	24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 14,400* 13,240 13,240 12,230	gle (deg., gle (deg., Boom Angle (deg.) 78.2 75.6 73.2 70.7 68.1 62.5 59.7 56.7	J Rated Load (lbs) 14,810* 14,020* 13,330* 12,230* 11,300* 10,930* 10,580*	1 Boom Angle (deg.) 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3	C) set An C) Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,400* 17,790* 16,510* 14,390* 13,490* 12,720* 12,050*	78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8	0 Rated Load (lbs) 11,300* 10,730* 10,250* 9,780* 9,360* 8,680* 8,370*	78.6 76.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59 5	C set Ar C set Ar C Reted Load (lbs) 18,000* 17,040* 15,580* 14,410* 13,400* 12,520* 11,000* 11,000* 9,850*	79.5 77.4 75.3 72.9 70.7 68.4 66.0	9,100* 8,660* 8,240* 7,530* 7,230*	Load Padius: (ft) 32 34 36 38 40 45 50 55 60 65 70 75 80 85 80 80 80 90
Load Radius (ft) 32 34 36 38 40 45 50 55 60 65 55 60 65 70 75 80 85 90 95	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1 43.4	C_set An O_set An O Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 12,100 11,150	Image Image <th< td=""><td>20,170* 20,170* 19,060* 18,120* 17,210* 16,460* 15,210* 14,660* 14,190* 13,330</td><td>79.3 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</td><td>24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 19,880* 19,880* 17,370 15,740 14,410 13,240 12,230 11,280</td><td>gle (deg,) gle (deg,) Boom Angle (deg,) 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7 53.4</td><td>Joint Content of the system Rated Load (lbs) Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230* 11,720* 10,930* 10,580* 10,270*</td><td>1 Boom Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 58.8 56.3 53.6</td><td>C]set An C) Rated Load (lbs) 20,000* 20,000* 20,000* 19,400* 19,400* 17,790* 16,510* 13,490* 12,720* 12,205* 11,440* 10,866*</td><td>78.9 76.7 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9</td><td>0 Rated Load (lbs) 11,300* 10,250* 9,780* 9,780* 8,990* 8,680* 8,370* 8,110*</td><td>78.6 76.6 76.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1</td><td>C set Ar C set Ar C Reted Load (lbs) 17,040* 17,040* 14,410* 14,400* 14,400* 14,400* 11,600* 11,000* 9,850* 9,320*</td><td>79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4</td><td>9,100* 8,660* 8,240* 7,530* 7,230* 6,960* 6,700*</td><td>Load Padius: (ft) 32 34 36 38 40 45 50 55 60 65 55 60 65 70 75 80 80 80 80 90 95</td></th<>	20,170* 20,170* 19,060* 18,120* 17,210* 16,460* 15,210* 14,660* 14,190* 13,330	79.3 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	24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 19,880* 19,880* 17,370 15,740 14,410 13,240 12,230 11,280	gle (deg,) gle (deg,) Boom Angle (deg,) 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7 53.4	Joint Content of the system Rated Load (lbs) Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230* 11,720* 10,930* 10,580* 10,270*	1 Boom Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 58.8 56.3 53.6	C]set An C) Rated Load (lbs) 20,000* 20,000* 20,000* 19,400* 19,400* 17,790* 16,510* 13,490* 12,720* 12,205* 11,440* 10,866*	78.9 76.7 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9	0 Rated Load (lbs) 11,300* 10,250* 9,780* 9,780* 8,990* 8,680* 8,370* 8,110*	78.6 76.6 76.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1	C set Ar C set Ar C Reted Load (lbs) 17,040* 17,040* 14,410* 14,400* 14,400* 14,400* 11,600* 11,000* 9,850* 9,320*	79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4	9,100* 8,660* 8,240* 7,530* 7,230* 6,960* 6,700*	Load Padius: (ft) 32 34 36 38 40 45 50 55 60 65 55 60 65 70 75 80 80 80 80 90 95
Load Radius (ft) 32 34 36 38 40 45 50 55 50 60 65 70 75 80 85 90 95 100	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1 43.4 39.7	C_set An O_set An O 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* 12,100 13,090 12,100 11,150 10,360	Image Image <th< td=""><td>20,170* Pated Load (lbs) 20,170* 19,060* 18,120* 17,210* 16,460* 15,210* 14,660* 14,660* 14,660* 13,330</td><td>79.3 79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 55.1 52.3 49.1 46.0</td><td>24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 19,880* 19,880* 19,880* 15,740 14,410 13,240 12,230 11,280 10,490</td><td>gle (deg,) gle (deg,) Boom Angle (deg,) 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7 53.4</td><td>Joint Content of the system Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230* 11,720* 10,930* 10,580* 10,270*</td><td>1 Boom Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 58.8 56.3 53.6 50.9</td><td>O set An O Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,400* 19,400* 15,380* 14,390* 13,490* 12,720* 12,050* 11,440* 10,866* 10,380*</td><td>78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1</td><td>20 Rated Load (lbs) 10,730* 10,250* 9,780* 9,360* 8,900* 8,680* 8,370* 8,110* 7,870*</td><td>78.6 76.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7</td><td>C set Ar C set Ar C Reted Load (lbs) 17,040* 17,040* 14,410* 13,400* 14,410* 13,400* 14,680* 10,400* 9,850* 9,320* 8,880*</td><td>79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9</td><td>9,100* 8,660* 8,240* 7,530* 7,230* 6,960* 6,700* 6,480*</td><td>Load Radius (ft) 32 34 36 38 40 45 50 55 50 55 60 65 55 60 65 55 80 85 90 95 91 00</td></th<>	20,170* Pated Load (lbs) 20,170* 19,060* 18,120* 17,210* 16,460* 15,210* 14,660* 14,660* 14,660* 13,330	79.3 79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 55.1 52.3 49.1 46.0	24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 19,880* 19,880* 19,880* 15,740 14,410 13,240 12,230 11,280 10,490	gle (deg,) gle (deg,) Boom Angle (deg,) 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7 53.4	Joint Content of the system Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230* 11,720* 10,930* 10,580* 10,270*	1 Boom Angle (deg.) 80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 58.8 56.3 53.6 50.9	O set An O Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,400* 19,400* 15,380* 14,390* 13,490* 12,720* 12,050* 11,440* 10,866* 10,380*	78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1	20 Rated Load (lbs) 10,730* 10,250* 9,780* 9,360* 8,900* 8,680* 8,370* 8,110* 7,870*	78.6 76.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7	C set Ar C set Ar C Reted Load (lbs) 17,040* 17,040* 14,410* 13,400* 14,410* 13,400* 14,680* 10,400* 9,850* 9,320* 8,880*	79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9	9,100* 8,660* 8,240* 7,530* 7,230* 6,960* 6,700* 6,480*	Load Radius (ft) 32 34 36 38 40 45 50 55 50 55 60 65 55 60 65 55 80 85 90 95 91 00
Load Radius (ft) 32 34 36 38 40 45 55 60 65 55 60 65 70 75 80 85 90 95 100 105	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1 43.4 39.7 35.6	C_set An O_set An Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 12,100 14,240 13,090 12,100 11,150 10,360 9,650	Image Image <th< td=""><td>20,170* Pated Load (lbs) 20,170* 19,060* 18,120* 17,210* 16,460* 15,210* 14,660* 14,660* 14,660* 13,330</td><td>79.3 79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 55.1 52.3 49.1 46.0 42.7</td><td>24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 19,880* 19,880* 19,880* 19,880* 15,740 14,410 13,240 12,230 11,280 10,490 9,760</td><td>gle (deg,) gle (deg,) Boom Angle (deg,) 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7 53.4</td><td>Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230* 11,720* 10,580* 10,270*</td><td>1 Boom Angle (deg.) 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 58.8 56.3 53.6 50.9 48.0</td><td>O set An O Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,400* 19,400* 15,380* 14,390* 13,490* 12,720* 12,050* 11,440* 10,860* 10,380* 9,850</td><td>78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1 53.1</td><td>20 Pated Load (lbs) 10,730* 10,250* 9,780* 9,360* 8,900* 8,680* 8,370* 8,370* 8,110* 7,870* 7,640*</td><td>78.6 76.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2</td><td>C set Ar C set Ar C Reted Load (lbs) 17,040* 17,040* 14,410* 14,410* 13,400* 14,400* 11,680* 10,400* 9,850* 9,320* 8,880* 8,480* 8,480* 8,480* 10,007 10,0</td><td>79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3</td><td>9,100* 8,660* 8,240* 7,530* 7,230* 6,960* 6,700* 6,480* 6,280*</td><td>Load Radius (ft) 32 34 36 38 40 45 50 55 60 65 55 60 65 70 75 80 85 90 95 100 105</td></th<>	20,170* Pated Load (lbs) 20,170* 19,060* 18,120* 17,210* 16,460* 15,210* 14,660* 14,660* 14,660* 13,330	79.3 79.3 78.4 77.5 75.2 72.9 70.4 68.1 65.6 63.2 60.4 55.1 52.3 49.1 46.0 42.7	24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 19,880* 19,880* 19,880* 19,880* 15,740 14,410 13,240 12,230 11,280 10,490 9,760	gle (deg,) gle (deg,) Boom Angle (deg,) 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7 53.4	Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230* 11,720* 10,580* 10,270*	1 Boom Angle (deg.) 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 58.8 56.3 53.6 50.9 48.0	O set An O Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,400* 19,400* 15,380* 14,390* 13,490* 12,720* 12,050* 11,440* 10,860* 10,380* 9,850	78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1 53.1	20 Pated Load (lbs) 10,730* 10,250* 9,780* 9,360* 8,900* 8,680* 8,370* 8,370* 8,110* 7,870* 7,640*	78.6 76.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2	C set Ar C set Ar C Reted Load (lbs) 17,040* 17,040* 14,410* 14,410* 13,400* 14,400* 11,680* 10,400* 9,850* 9,320* 8,880* 8,480* 8,480* 8,480* 10,007 10,0	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* 7,530* 7,230* 6,960* 6,700* 6,480* 6,280*	Load Radius (ft) 32 34 36 38 40 45 50 55 60 65 55 60 65 70 75 80 85 90 95 100 105
Load Radius (ft) 32 34 36 38 40 45 55 60 65 55 60 65 70 75 80 85 90 95 100 105 110	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1 43.4 39.7 35.6	C_set An O_set An O Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 12,100 13,090 12,100 11,150 10,360 9,650	Image Image <th< td=""><td>30 Rated Load (lbs) 20,170* 19,060* 18,120* 17,210* 16,460* 15,800* 15,210* 14,660* 14,190* 13,330</td><td>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</td><td>24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 23,320* 21,400* 19,880* 18,566* 17,370 15,740 14,410 12,230 11,280 10,490 9,760 9,120</td><td>78.2 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7 53.4</td><td>J Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230* 11,720* 10,930* 10,580* 10,270*</td><td>80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 58.8 56.3 53.6 50.9 48.0 45.0</td><td>O set An O Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,400* 19,400* 15,380* 14,390* 13,490* 13,490* 12,720* 12,050* 11,440* 10,880* 9,850 9,210</td><td>78.9 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1 53.1</td><td>0 Rated Load (lbs) 11,300* 10,730* 10,250* 9,780* 9,360* 8,990* 8,680* 8,990* 8,680* 8,370* 8,110* 7,870* 7,870* 7,640*</td><td>78.6 76.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6</td><td>C set Ar C set Ar C Reted Load (lbs) Reted Load (lbs) (lbs</td><td>79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5</td><td>9,100* 8,660* 8,240* 7,530* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100*</td><td>Load Radius: (ft) 322 34 36 38 40 45 50 55 50 60 65 55 60 65 55 60 65 70 75 80 85 90 95 100 105 110</td></th<>	30 Rated Load (lbs) 20,170* 19,060* 18,120* 17,210* 16,460* 15,800* 15,210* 14,660* 14,190* 13,330	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	24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 23,320* 21,400* 19,880* 18,566* 17,370 15,740 14,410 12,230 11,280 10,490 9,760 9,120	78.2 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7 53.4	J Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230* 11,720* 10,930* 10,580* 10,270*	80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 58.8 56.3 53.6 50.9 48.0 45.0	O set An O Rated Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,400* 19,400* 15,380* 14,390* 13,490* 13,490* 12,720* 12,050* 11,440* 10,880* 9,850 9,210	78.9 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1 53.1	0 Rated Load (lbs) 11,300* 10,730* 10,250* 9,780* 9,360* 8,990* 8,680* 8,990* 8,680* 8,370* 8,110* 7,870* 7,870* 7,640*	78.6 76.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6	C set Ar C set Ar C Reted Load (lbs) Reted Load (lbs) (lbs	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* 7,530* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100*	Load Radius: (ft) 322 34 36 38 40 45 50 55 50 60 65 55 60 65 55 60 65 70 75 80 85 90 95 100 105 110
Load Radius (ft) 32 34 36 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1 43.4 39.7 35.6	C_set An O_set An 0 Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 12,100 15,560 14,240 13,090 12,100 11,150 10,360 9,650	Image Constraint Constraint </td <td>20,170* 19,060* 18,120* 17,210* 16,460* 15,800* 15,210* 14,660* 14,190* 13,330</td> <td>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 35.0</td> <td>Q⊂set Ar. 0 Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 23,320* 21,400* 19,880* 18,560* 17,370 15,740 14,410 12,230 11,280 10,490 9,760 9,120 8,500</td> <td>78.2 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7 53.4</td> <td>J Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230* 11,720* 10,930* 10,270*</td> <td>80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 58.8 56.3 53.6 50.9 48.0 45.0 41.7</td> <td>O set An O set An O Reted Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,400* 19,400* 15,380* 14,390* 13,490* 12,720* 13,490* 12,720* 12,050* 11,440* 10,880* 9,850 9,210 8,570</td> <td>78.9 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1 53.1</td> <td>0 Rated Load (lbs) 11,300* 10,730* 10,250* 9,780* 9,780* 9,360* 8,990* 8,680* 8,990* 8,680* 8,370* 8,110* 7,870* 7,870* 7,640*</td> <td>78.6 76.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7</td> <td>C set Ar C set Ar C Reted Load (lbs) 18,000* 17,040* 15,580* 14,410* 13,400* 12,520* 11,680* 11,000* 10,400* 9,850* 9,320* 8,880* 8,480* 8,110* 7,760*</td> <td>79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5 52.4</td> <td>9,100* 8,660* 8,240* 7,530* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100* 5,930*</td> <td>Load Radiuss (ft) 322 34 36 38 40 45 50 55 50 60 65 55 60 65 55 60 65 55 80 85 90 95 100 105 110 115</td>	20,170* 19,060 * 18,120* 17,210 * 16,460* 15,800 * 15,210* 14,660 * 14,190 * 13,330	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 35.0	Q⊂set Ar. 0 Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 23,320* 21,400* 19,880* 18,560* 17,370 15,740 14,410 12,230 11,280 10,490 9,760 9,120 8,500	78.2 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7 53.4	J Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230* 11,720* 10,930* 10,270*	80.0 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 58.8 56.3 53.6 50.9 48.0 45.0 41.7	O set An O set An O Reted Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,400* 19,400* 15,380* 14,390* 13,490* 12,720* 13,490* 12,720* 12,050* 11,440* 10,880* 9,850 9,210 8,570	78.9 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1 53.1	0 Rated Load (lbs) 11,300* 10,730* 10,250* 9,780* 9,780* 9,360* 8,990* 8,680* 8,990* 8,680* 8,370* 8,110* 7,870* 7,870* 7,640*	78.6 76.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7	C set Ar C set Ar C Reted Load (lbs) 18,000* 17,040* 15,580* 14,410* 13,400* 12,520* 11,680* 11,000* 10,400* 9,850* 9,320* 8,880* 8,480* 8,110* 7,760*	79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5 52.4	9,100* 8,660* 8,240* 7,530* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100* 5,930*	Load Radiuss (ft) 322 34 36 38 40 45 50 55 50 60 65 55 60 65 55 60 65 55 80 85 90 95 100 105 110 115
Load Radius (ft) 32 34 36 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1 43.4 39.7 35.6	C_set An C_set An C_set An C Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 12,100 15,560 14,240 13,090 12,100 11,150 10,360 9,650	The second sec	30 Rated Load (lbs) 20,170* 19,060* 18,120* 17,210* 16,460* 15,210* 14,660* 14,600* 13,330	79.3 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 35.0	24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 23,320* 21,400* 19,880* 17,370 15,740 14,410 12,230 11,280 10,490 9,760 9,120 8,500	78.2 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7 53.4	J Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230* 11,720* 10,930* 10,270*	1 Boom Angle (deg.) 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 58.8 56.3 53.6 50.9 48.0 45.0 41.7 38.2	O_set An O Reted Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,400* 19,400* 15,380* 14,390* 13,490* 13,490* 12,720* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 14,390	78.9 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1 53.1	0 Rated Load (lbs) 11,300* 10,730* 10,250* 9,780* 9,780* 9,780* 8,990* 8,680* 8,990* 8,680* 8,370* 8,110* 7,870* 7,870* 7,640*	78.6 76.6 76.6 74.5 72.5 70.5 68.4 66.1 64.0 61.8 59.5 57.1 54.7 52.2 49.6 46.7 43.8	C set Ar C set Ar C Reted Load (lbs) Reted Load (lbs)	79.5 79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5 52.4	9,100* 8,660 * 8,240* 7,730* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100* 5,930*	Load Padiuss (ft) 32 34 36 38 38 40 45 50 55 50 60 65 55 60 65 55 60 65 70 75 80 85 90 95 100 105 110 105
Load Radius (ft) 32 34 36 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1 43.4 39.7 35.6	C_set An C_set An Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 19,000 19,000 11,150 10,360 9,650	Image Constraint Constraint </td <td>20,170* 19,060* 18,120* 17,210* 16,460* 15,800* 15,210* 14,660* 14,190* 13,330</td> <td>79.3 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 35.0</td> <td>24,000* 19,880* 15,740 14,410 13,220* 11,280 10,490 9,760 9,120 8,500 10,490 9,120 8,500 10,490 9,120 10,490 9,120 10,490 9,120 10,490 10,490 9,120 10,490 1</td> <td>78.2 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7 53.4</td> <td>J Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230* 11,720* 10,930* 10,580* 10,270*</td> <td>1 Boom Angle (deg.) 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 58.8 56.3 53.6 50.9 48.0 45.0 41.7 38.2 34.4</td> <td>O_set An O Reted Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,400* 19,400* 15,380* 14,390* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 14,390* 13,490* 14,390* 14,390* 13,490* 14,390* 14,40* 14,30* 14,30* 14,30* 14,30* 14,40* 14,00</td> <td>78.9 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1 53.1</td> <td>0 Rated Load (lbs) 11,300* 10,730* 10,250* 9,780* 9,780* 9,780* 8,990* 8,680* 8,990* 8,680* 8,370* 8,110* 7,870* 7,640*</td> <td>78.6 76.6 76.6 74.5 72.5 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</td> <td>C set Ar C set Ar C Pated Load (lbs) 18,000* 17,040* 15,580* 14,410* 13,400* 14,410* 13,400* 10,400* 9,850* 9,320* 8,880* 8,880* 8,480* 8,110* 7,760* 7,450* 7,4</td> <td>79.5 79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5 52.4</td> <td>9,100* 8,240* 7,530* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100* 5,930*</td> <td>Load Radius: (ft) 32 34 36 38 38 40 45 50 55 50 55 50 60 65 70 75 80 85 90 95 100 105 110 115 120</td>	20,170* 19,060 * 18,120* 17,210 * 16,460* 15,800* 15,210* 14,660* 14,190* 13,330	79.3 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 35.0	24,000* 19,880* 15,740 14,410 13,220* 11,280 10,490 9,760 9,120 8,500 10,490 9,120 8,500 10,490 9,120 10,490 9,120 10,490 9,120 10,490 10,490 9,120 10,490 1	78.2 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7 53.4	J Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230* 11,720* 10,930* 10,580* 10,270*	1 Boom Angle (deg.) 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 58.8 56.3 53.6 50.9 48.0 45.0 41.7 38.2 34.4	O_set An O Reted Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,400* 19,400* 15,380* 14,390* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 14,390* 13,490* 14,390* 14,390* 13,490* 14,390* 14,40* 14,30* 14,30* 14,30* 14,30* 14,40* 14,00	78.9 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1 53.1	0 Rated Load (lbs) 11,300* 10,730* 10,250* 9,780* 9,780* 9,780* 8,990* 8,680* 8,990* 8,680* 8,370* 8,110* 7,870* 7,640*	78.6 76.6 76.6 74.5 72.5 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	C set Ar C set Ar C Pated Load (lbs) 18,000* 17,040* 15,580* 14,410* 13,400* 14,410* 13,400* 10,400* 9,850* 9,320* 8,880* 8,880* 8,480* 8,110* 7,760* 7,450* 7,4	79.5 79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5 52.4	9,100* 8,240* 7,530* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100* 5,930*	Load Radius: (ft) 32 34 36 38 38 40 45 50 55 50 55 50 60 65 70 75 80 85 90 95 100 105 110 115 120
Load Radius (ft) 32 34 36 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130	1 Boom Angle (deg.) 79.1 78.1 77.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1 43.4 39.7 35.6	C set An C set An Pated Load (bs) 24,000* 2	Image Constraint Constraint </td <td>20,170* 19,060* 18,120* 17,210* 16,460* 15,800* 15,210* 14,660* 14,660* 13,330</td> <td>79.3 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 35.0</td> <td>24,000* 19,880* 10,270 11,270 11,280 10,490 9,120 8,500 8,500 10,490 9,120 8,500 10,490 9,120 8,500 10,490 9,120 8,500 10,490 9,120 8,500 10,490 1</td> <td>78.2 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7 53.4</td> <td>Joint Particular Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230* 11,720* 10,930* 10,580* 10,270*</td> <td>1 Boom Angle (deg.) 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0 45.0 41.7 38.2 34.4</td> <td>O set An O set An O Reted Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,400* 19,400* 15,380* 14,390* 13,490* 13,490* 13,490* 12,720* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 14,390* 13,490* 10,860* 10,880* 9,850 9,210 8,570 8,040 7,560</td> <td>78.9 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1 53.1</td> <td>20 Rated Load (lbs) 11,300* 10,730* 10,250* 9,780* 9,780* 9,360* 8,990* 8,680* 8,990* 8,680* 8,370* 8,110* 7,870* 7,640*</td> <td>78.6 76.6 76.6 74.5 72.5 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 20.0</td> <td>C set Ar C set Ar C Pated Load (lbs) 18,000* 17,040* 15,580* 14,410* 13,400* 14,410* 13,400* 10,400* 9,850* 9,320* 8,880* 8,480* 8,480* 8,480* 8,480* 7,760* 7,450* 7,4</td> <td>79.5 79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5 52.4</td> <td>9,100* 8,660* 8,240* 7,870* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100* 5,930*</td> <td>Load Radius: (ft) 32 34 36 38 38 40 45 50 55 50 55 50 60 65 70 65 70 65 70 65 70 65 70 75 80 85 90 95 100 105 110 110 125 120</td>	20,170* 19,060 * 18,120* 17,210 * 16,460* 15,800* 15,210* 14,660* 14,660* 13,330	79.3 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 35.0	24,000* 19,880* 10,270 11,270 11,280 10,490 9,120 8,500 8,500 10,490 9,120 8,500 10,490 9,120 8,500 10,490 9,120 8,500 10,490 9,120 8,500 10,490 1	78.2 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7 53.4	Joint Particular Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230* 11,720* 10,930* 10,580* 10,270*	1 Boom Angle (deg.) 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0 45.0 41.7 38.2 34.4	O set An O set An O Reted Load (lbs) 20,000* 20,000* 20,000* 20,000* 19,400* 19,400* 15,380* 14,390* 13,490* 13,490* 13,490* 12,720* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 13,490* 14,390* 13,490* 10,860* 10,880* 9,850 9,210 8,570 8,040 7,560	78.9 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1 53.1	20 Rated Load (lbs) 11,300* 10,730* 10,250* 9,780* 9,780* 9,360* 8,990* 8,680* 8,990* 8,680* 8,370* 8,110* 7,870* 7,640*	78.6 76.6 76.6 74.5 72.5 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 20.0	C set Ar C set Ar C Pated Load (lbs) 18,000* 17,040* 15,580* 14,410* 13,400* 14,410* 13,400* 10,400* 9,850* 9,320* 8,880* 8,480* 8,480* 8,480* 8,480* 7,760* 7,450* 7,4	79.5 79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5 52.4	9,100* 8,660 * 8,240* 7,870* 7,230* 6,960* 6,700* 6,480* 6,280* 6,100* 5,930*	Load Radius: (ft) 32 34 36 38 38 40 45 50 55 50 55 50 60 65 70 65 70 65 70 65 70 65 70 75 80 85 90 95 100 105 110 110 125 120
Load Radius (f) 32 34 36 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130	1 Boom Angle (deg.) 79.1 76.2 75.2 72.7 70.2 67.5 64.9 62.2 59.4 56.4 53.5 50.4 47.1 43.4 39.7 35.6	C set An C set An Pated Load (bs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 11,120 13,090 12,100 11,150 10,360 9,650	Image Image <th< td=""><td>20,170* 19,060* 18,120* 17,210* 16,460* 15,800* 14,660* 14,660* 13,330</td><td>79.3 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 35.0</td><td>24,000* 24</td><td>78.2 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7 53.4</td><td>J Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230* 11,300* 10,930* 10,580* 10,270*</td><td>1 Boom Angle (deg.) 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0 45.0 41.7 38.2 34.4</td><td>O set An O set An O Reted Load (lbs) 20,000* 20,000* 20,000* 19,400* 17,790* 16,510* 15,380* 13,490* 12,720* 12,720* 12,720* 12,720* 10,860* 10,380* 9,850 9,210 8,570 8,040 7,560</td><td>78.9 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1 53.1</td><td>20 Rated Load (lbs) 11,300* 10,730* 10,250* 9,780* 9,780* 8,990* 8,680* 8,990* 8,680* 8,370* 8,110* 7,870* 7,640*</td><td>78.6 76.6 76.6 74.5 72.5 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 33.8</td><td>C set Ar C set Ar C Pated Load (lbs) 18,000* 17,040* 15,580* 14,410* 13,400* 14,410* 13,400* 14,41</td><td>79.5 79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5 52.4</td><td>9,100* 8,660* 8,240* 7,530* 7,230* 6,960* 6,700* 6,480* 6,280* 6,700* 5,930*</td><td>Load Radius (ft) 32 34 36 38 38 40 45 50 55 50 60 65 70 75 80 65 70 75 80 85 90 95 100 105 110 110 125 130 0 135 5 3</td></th<>	20,170* 19,060 * 18,120* 17,210 * 16,460* 15,800* 14,660* 14,660* 13,330	79.3 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 35.0	24,000* 24	78.2 78.2 75.6 73.2 70.7 68.1 65.3 62.5 59.7 56.7 53.4	J Rated Load (lbs) 14,810* 14,020* 13,330* 12,760* 12,230* 11,300* 10,930* 10,580* 10,270*	1 Boom Angle (deg.) 79.2 77.1 75.0 72.7 70.5 68.3 66.1 63.6 61.3 58.8 56.3 53.6 50.9 48.0 45.0 41.7 38.2 34.4	O set An O set An O Reted Load (lbs) 20,000* 20,000* 20,000* 19,400* 17,790* 16,510* 15,380* 13,490* 12,720* 12,720* 12,720* 12,720* 10,860* 10,380* 9,850 9,210 8,570 8,040 7,560	78.9 78.9 76.7 74.4 72.0 69.5 67.0 64.5 61.8 58.9 56.1 53.1	20 Rated Load (lbs) 11,300* 10,730* 10,250* 9,780* 9,780* 8,990* 8,680* 8,990* 8,680* 8,370* 8,110* 7,870* 7,640*	78.6 76.6 76.6 74.5 72.5 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 33.8	C set Ar C set Ar C Pated Load (lbs) 18,000* 17,040* 15,580* 14,410* 13,400* 14,410* 13,400* 14,41	79.5 79.5 77.4 75.3 72.9 70.7 68.4 66.0 63.4 60.9 58.3 55.5 52.4	9,100* 8,660* 8,240* 7,530* 7,230* 6,960* 6,700* 6,480* 6,280* 6,700* 5,930*	Load Radius (ft) 32 34 36 38 38 40 45 50 55 50 60 65 70 75 80 65 70 75 80 85 90 95 100 105 110 110 125 130 0 135 5 3

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

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

Refer to notes on page 19.

Fixed Jib Lift Capacity

Full Counterweight: 57,590 lbs Carbody Weight: 14,340

	100' E	Boom															
		30 f	t Ji b			40 f	ft Ji b			50 1	ft J ib			601	ft Ji b		
Load		O⊡set An	gle (deg.)			O⊡set An	igle (deg.,)		O⊡set An	igle (deg.)			O⊡set Ar	igle (deg.))	Load
radius (ft)	1	0	3	30	1	10	3	30	1	10	3	30	1	10	3	30	(ft)
()	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	(,
22	(uey.)	24.000*	(uey.)	(IDS)	(uey.)	(105)	(uey.)	(103)	(uey.)	(105)	(uey.)	(103)	(uey.)	(IDS)	(uey.)	(103)	22
32 34	79.9 79.0	24,000* 24,000*															34
36	78.1	24,000*			80.0	24,000*											36
38	77.2	24,000*			79.2	24,000*			70.0	20.000*							38
40 45	76.4 74 1	24,000* 24 000 *	78.0	19 480*	78.4 763	24,000* 24 000 *			79.9 78.0	20,000*			793	18 000*			40 45
50	71.8	24,000*	75.7	18,560*	74.2	24,000*	79.1	15,100*	76.0	20,000*			77.5	17,680*			50
55	69.3	23,450	73.2	17,650*	71.9	22,480*	76.7	14,320*	73.9	18,580*	79.7	11,500*	75.5	16,200*			55
60 65	67.0	20,870	70.7	16,930*	69.7	20,920*	74.5	13,660*	71.9	17,260*	77.7	10,950*	73.7	15,030*	70.2	0.04.0*	60
03 70	64.5 62.1	16,730 16,930	65.7	15.670*	65.3	17,150	69.9	12.560*	67.8	15.120*	73.4	10,470	69.9	13,990*	76.3	8.420*	70
75	59.4	15,290	62.9	15,100*	62.8	15,490	67.3	12,050*	65.6	14,170*	71.1	9,610*	67.8	12,250*	74.2	8,040*	75
80	56.7	13,970	60.2	14,300	60.4	14,150	64.9	11,640*	63.4	13,380*	68.8	9,230*	65.8	11,550*	72.1	7,710*	80
85	54.0	12,830	57.4	13,110	58.0	13,000	62.4	11,260*	61.2	12,690*	66.5	8,920*	63.8	10,910*	70.0	7,420*	85
90 95	48.1	10.860	51.2	11.060	52.8	11.020	56.9	10,910	56.5	11.130	61.6	8.330*	59.5	9.810 *	65.5	6.900*	95
100	45.0	10,070			50.1	10,200	54.0	10,310*	54.1	10,310	59.1	8,090*	57.3	9,340*	63.2	6,670*	100
105	41.7	9,360			47.2	9,500			51.6	9,590	56.4	7,870*	55.1	8,920*	60.9	6,450*	105
115	38.1 340	8,730 8,130			44.3 40.9	8,860 8,220			49.0 46.1	8,950 8,310	53./	7,690^	52.7 50.2	8,550 [^]	58.4 55.7	6,280 [^]	110
120	0 110	0,100			37.4	7,690			43.2	7,780			47.7	7,820	53.1	5,950*	120
125					33.7	7,230			40.2	7,290			45.1	7,340			125
130 125									36.8	6,830			42.3	6,870			130
140									33.2	0,430			35.9	6.060			140
145													32.4	5,730			145
Reeves	2	2		2		2		1		2		1		2		1	Reeves
	110' E	Boom							1								
	110' E	300m 30 f	t Jib			401	ft Ji b			501	ft J ib			601	ft Jib		
Load	110' E	Boom 30 f O⊡set An	t Ji b gle (deg.))		40 f O⊡set An	ft Jib ngle (deg.,)		501 O⊡set An	ft Jib Igle (deg.))		60 i O⊡set Ar	ft Jib ngle (deg.))	Load
Load Radius (ft)	110' E	30 f 30 f O⊡set An 0	t Jib gle (deg.)	30		40 f O⊡set An 10	ft Jib ngle (deg.,) 30		50 t O::set An 10	ft Jib Igle (deg.)) 30		601 O⊡set Ar 10	ft Jib ngle (deg.)) 30	Load Radius (ft)
Load Radius (ft)	110' E	30 f 30 f O_set An 0 Rated Load (lbs)	t Jib gle (deg.) 3 Boom Angle (dea.)	30 Rated Load (lbs)	1 Boom Angle (dea.)	40 f O_set An 10 Rated Load (lbs)	ft Jib ogle (deg., Boom Angle (dea.)) 30 Rated Load (lbs)	Boom Angle (dea.)	50 f O::set An 10 Rated Load (lbs)	ft Jib gle (deg.) 3 Boom Angle (dea.)) 80 Rated Load (lbs)	Boom Angle	60 t O set Ar 10 Rated Load (lbs)	ft Jib ngle (deg.) Boom Angle (dea.)) 30 Rated Load (lbs)	Load Radius (ft)
Load Radius (ft)	110' E	30 f 30 f O set An O Rated Load (lbs) 24,000	it Jib gle (deg.) Boom Angle (deg.)	BO Rated Load (Ibs)	Boom Angle (deg.)	40 f O_set An 10 Rated Load (lbs)	ft Jib gle (deg., Boom Angle (deg.)) 30 Rated Load (Ibs)	Boom Angle (deg.)	50 f O_set An 10 Rated Load (lbs)	ft Jib gle (deg.) Boom Angle (deg.)	BO Rated Load (lbs)	Boom Angle (deg.)	60 t O set Ar 10 Rated Load (lbs)	ft Jib gle (deg.) Boom Angle (deg.)) 30 Rated Load (lbs)	Load Radius (ft)
Load Radius (ft) 34 36	110' E 1 Boom Angle (deg.) 79.8 79.0	300m 30 f 0 set An 0 Pated Load (lbs) 24,000 24,000	it Ji b gle (deg.) Boom Angle (deg.)	80 Pated Load (lbs)	Boom Angle (deg.)	40 f O set An 10 Rated Load (lbs)	ft Jib ngle (deg., Boom Angle (deg.)	30 Rated Load (lbs)	Boom Angle (deg.)	50 t O set Ar O Rated Load (lbs)	ft Jib gle (deg.) 3 Boom Angle (deg.)	30 Rated Load (lbs)	Boom Angle (deg.)	60 t O set Ar 10 Rated Load (lbs)	ft Jib gle (deg.) Boom Angle (deg.)) 30 Rated Load (lbs)	Load Padius (ft) 34 36
Load Radius (ft) 34 36 38	110' E 1 Boom Angle (deg.) 79.8 79.0 78.2	300m 30 f 0 set An 0 Rated Load (lbs) 24,000 24,000 24,000	t Jib gle (deg.) 3 Boom Angle (deg.)	BO Rated Load (Ibs)	Boom Angle (deg.)	40 f O set An 10 Rated Load (lbs) 24,000*	ft Jib ogle (deg., 3 Boom Angle (deg.)	30 Rated Load (lbs)	Boom Angle (deg.)	50 f O set An O Rated Load (lbs)	ft Jib gle (deg.) Boom Angle (deg.)	30 Rated Load (lbs)	Boom Angle (deg.)	60 t O set Ar 10 Rated Load (lbs)	ft Jib ngle (deg.) Boom Angle (deg.)	30 Rated Load (lbs)	Load Radius (ft) 34 36 38
Load Radius (ft) 34 36 38 40	110' E	30 f 30 f 0 set An 0 Rated Load (lbs) 24,000 24,000 24,000 24,000	t Jib gle (deg.) Boom Angle (deg.)	BO Rated Load (lbs)	79.9 79.2 77 2	40 t O set An (0 Rated Load (lbs) 24,000* 24,000* 24,000*	ft Jib ogle (deg., Boom Angle (deg.)	30 Rated Load (lbs)	Boom Angle (deg.)	50 t O set An O Rated Load (lbs)	t Jib gle (deg.) Boom Angle (deg.)	30 Rated Load (lbs)	Boom Angle (deg.)	60 1 O set Ar 10 Rated Load (lbs)	ft Jib gle (deg.) Boom Angle (deg.)) 30 Rated Load (Ibs)	Load Radius (ft) 34 36 38 40 45
Load Radius (ft) 34 36 38 40 45 50	110' E 1 Boom Angle (deg.) 79.8 79.0 78.2 77.3 75.3 73.2	30 f 30 f 0 set An 0 Rated Load (lbs) 24,000 24,000 24,000 24,000 24,000 24,000	t Jb gle (deg.) Boom Angle (deg.) 79.0 76.8	30 Pated Load (lbs) 19,860* 18,930 *	79.9 79.2 77.2 75.3	40 1 O set An O set An O Rated Load (lbs) 24,000* 24,000* 24,000* 24,000*	ft Jib ggle (deg., Boom Angle (deg.) 79.9	30 Pated Load (lbs) 15,360*	Boom Angle (deg.) 78.8 76.9	50 1 O_set Ar. 0 Pated Load (lbs) 20,000* 20,000*	t Jib gle (deg.) Boom Angle (deg.)	30 Rated Load (lbs)	Boom Angle (deg.) 80.0 78.3	60 t O set Ar 10 Rated Load (Ibs) 18,000* 18,000 *	ft Jib gle (deg., Boom Angle (deg.)	30 Pated Load (lbs)	Load Radius (ft) 34 36 38 40 45 50
Load Padius (ft) 34 36 38 40 45 50 55	110' E 1 Boom Angle (deg.) 79.8 79.0 78.2 77.3 75.3 73.2 70.9	30 f 30 f 0 set An 0 Rated Load (lbs) 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 23,320	it Jb gle (deg.) Boom Angle (deg.) 79.0 76.8 74.5	30 Rated Load (lbs) 19,860* 18,930 * 18,970*	79.9 79.2 77.2 75.3 73.2	40 1 O set An 0 Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 23,500*	ft Jib ogle (deg., Boom Angle (deg.) 79.9 77.7	30 Pated Load (lbs) 15,360* 14,610*	1 Boom Angle (deg.) 78.8 76.9 75.0	50 1 O set Ar. 0 Pated Load (lbs) 20,000* 20,000* 19,330*	t Jib gle (deg.) Boom Angle (deg.)	30 Pated Load (lbs)	80.0 78.3 76.4	60 1 O set Ar 10 Rated Load (lbs) 18,000* 18,000* 16,820*	ft Jib ogle (deg., 3 Boom Angle (deg.)	30 Pated Load (lbs)	Load Radius (ft) 34 36 38 40 45 50 55
Load Radius (ft) 34 36 38 40 45 50 55 60 (5)	110' E	30 f 30 f 0_set Arr 0 Reted Load (lbs) 24,000 24,000 24,000 24,000 24,000 24,000 24,000 23,320 20,740 19,5740	t Jb gle (deg.) Boom Angle (deg.) 79.0 76.8 74.5 72.2	20 Rated Load (lbs) 19,860* 18,930* 18,970* 17,350*	79.9 79.9 79.2 77.2 75.3 73.2 71.2	40 1 O set Arr 0 Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 20,960 10,008	Ib ogle (deg., Boom Angle (deg.) 79.9 77.7 75.6	30 Pated Load (lbs) 15,360* 14,610* 13,970* 13,970*	78.8 76.9 75.0 73.1	50 1 O set Ar. O Pated Load (lbs) 20,000* 20,000* 17,980* 16,030*	t Jib gle (deg.) Boom Angle (deg.) 78.5	30 Pated Load (lbs)	80.0 78.3 76.4 74.7	60 1 0 set Ar 10 Rated Load (lbs) 18,000* 18,000* 16,820* 15,600* 14,570*	ft Jib ogle (deg., 2 Boom Angle (deg.)) 30 Pated Load (lbs)	Load Radius (ft) 34 36 38 40 45 50 55 60
Load Radius (ft) 34 36 38 36 45 50 55 60 65 70	110' E	30 f 30 f Set An 0 Rated Load (lbs) 24,000 24,000 24,000 24,000 24,000 24,000 24,000 23,320 20,740 18,580 16 770	t Jb gle (deg.) Boom Angle (deg.) 79.0 76.8 74.5 72.2 70.0 67 7	0 7 Rated Load (lbs) 19,860* 18,930* 18,930* 18,070* 16,680* 16,680* 16,680* 16,680* 16,080* 16,080* 16,080* 16,080* 16,080* 16,080* 18,080* 19,860* 19,860* 19,860* 19,860* 19,860* 19,860* 10,08	1 Boom Angle (deg.) 79.9 79.2 77.2 75.3 73.2 71.2 69.1 67.1	40 1 O set An O set An (b) 24,000* 24,	79.9 77.7 75.5 71.4	30 Pated Load (lbs) 15,360* 14,610* 13,400* 12,870*	78.8 76.9 75.0 73.1 71.2 69.3	50 1 O Set Ar. (0) Pated Load (lbs) 20,000* 20,000* 20,000* 19,330* 17,980* 16,820* 15,800*	t Jib gle (deg.) Boom Angle (deg.) 78.5 76.5 74.6	30 Pated Load (lbs) 11,150* 10,670* 10,250*	80.0 78.3 76.4 74.7 72.9 71.1	60 1 0 set Ar 10 Rated Load (lbs) 18,000* 18,000* 16,820* 16,820* 14,570* 13,640*	ft Jib ogle (deg., 2 Boom Angle (deg.) 79.1 77.2	30 Pated Load (lbs) 8,970* 8,570*	Load Radius (ft) 34 36 38 40 45 50 55 60 55 60 70
Load Radius (ft) 34 36 38 40 45 50 555 60 65 70 75	110' E	30 f 30 f 0 set An 0 Reted Load (bs) 24,000 24,000 24,000 24,000 24,000 23,320 20,740 18,580 16,770 15,140	t Jb gle (deg.) Boom Angle (deg.) 79.0 76.8 74.5 72.2 70.0 67.7 65.1	0 0 19,860* 18,930* 18,070* 17,350* 16,680* 16,090* 15,520*	79.9 79.9 79.2 77.2 75.3 73.2 71.2 69.1 67.1 64.8	40 1 O set An 0 Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 18,800 16,970 15,340	79.9 777.7 75.6 73.5 71.4 69.1	30 Rated Load (lbs) 15,360* 14,610* 13,970* 13,400* 12,870* 12,880*	78.8 76.9 75.0 73.1 71.2 69.3 67.2	501 O set Arr (0 Pated Load (lbs) 20,000* 19,330* 17,980* 15,800* 14,830*	t Jib gle (deg.) Boom Angle (deg.) 78.5 76.5 74.6 72.4	30 Pated Load (lbs) 11,150* 10,670* 10,250* 9,830*	80.0 78.3 76.4 72.9 71.1 69.2	601 ○ set Ar 10 Rated Load (lbs) 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 13,640* 12,780*	rt Jib ogle (deg., Boom Angle (deg.) 79.1 77.2 75.2	30 Pated Load (lbs) 8,970* 8,570* 8,570* 8,200*	Load Radius (ft) 34 36 38 40 45 55 60 65 55 60 65 70 75
Load Radius (ft) 34 36 38 40 45 55 60 65 70 75 80	110' E	30 f 30 f 0 set An 0 Rated Load (lbs) 24,000 24,000 24,000 24,000 24,000 24,000 23,320 20,740 18,580 16,770 15,140 13,820	t Jb gle (deg.) Boom Angle (deg.) 79.0 76.8 74.5 74.5 70.0 67.7 65.1 62.7	19,860* 19,860* 18,930* 18,070* 17,350* 16,680* 16,690* 15,520* 14,170	79.9 79.9 79.2 77.2 75.3 73.2 71.2 69.1 67.1 64.8 62.7	40 1 O set Ar. O set Ar. (0) Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 15,340 15,340 13,990	79.9 79.9 79.9 77.7 75.6 73.5 71.4 69.1 66.9	30 Pated Load (lbs) 15,360* 14,610* 13,970* 13,400* 12,870* 12,880* 11,940*	78.8 76.9 75.0 73.1 71.2 69.3 67.2 65.2	50 1 O set Ar. 0 Rated Load (lbs) 20,000* 20,000* 19,330* 17,980* 16,820* 15,800* 14,830* 14,020*	Ib gle (deg.) Boom Angle (deg.) 78.5 76.5 74.6 72.4 70.4	30 Pated Load (lbs) 11,150* 10,670* 10,250* 9,830* 9,830*	80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3	60 1 O set Ar 10 Rated Load (lbs) 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 16,820* 16,820* 14,570* 14,570* 12,780* 12,780* 12,780* 12,050* 13,050* 14,570* 12,050* 12,050* 12,050* 12,050* 12,050* 12,050* 12,050* 12,050* 12,050* 13,000* 14,570* 12,050*	Ib gle (deg.,) Boom Angle (deg.) 79.1 77.2 75.2 73.3	30 Rated Load (lbs) 8,970* 8,570* 8,200* 7,890*	Load Radius (ft) 34 36 38 40 45 50 55 60 65 50 65 50 75 80
Load Radius (ft) 34 36 38 40 55 60 65 60 65 70 75 80 80	110' E	30 f 30 f 0 set An 0 Rated Load (lbs) 24,000 24,000 24,000 24,000 24,000 24,000 24,000 23,320 20,740 18,580 16,770 15,140 13,820 12,670 14 667	t Jb gle (deg.) Boom Angle (deg.) 79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7 60.2 57.6	20 Rated Load (lbs) 19,860* 18,930* 18,930* 18,070* 16,680* 16,680* 16,680* 16,680* 16,680* 16,680* 16,990* 12,980 14,920* 15,920* 16,920* 12,920* 16,920* 12,920* 14,170* 12,920* 14,170* 12,920* 14,170*	79.9 79.9 79.2 77.2 75.3 73.2 71.2 69.1 67.1 64.8 62.7 60.5 58.2	40 1 O set An 0 Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 15,340 15,340 12,830 12,830 14,940	t Jib gle (deg., boom Angle (deg.) 79.9 77.7 75.6 73.5 71.4 69.1 66.9 64.6 62.2	30 Rated Load (lbs) 15,360* 14,610* 13,970* 13,400* 12,380* 11,940* 11,940* 11,970* 11,970*	78.8 76.9 75.0 73.1 71.2 69.3 67.2 65.2 63.2 64.2	501 O Set Ar. 0 Pated Load (lbs) 20,000* 20,000* 19,330* 17,980* 16,820* 15,800* 14,830* 14,950* 14,950* 14,950* 14,950* 14,950* 14,950* 14,950* 14,950*	t Jib ggle (deg.) Boom Angle (deg.) 78.5 76.5 74.6 72.4 70.4 68.3 66.1	30 Rated Load (lbs) 11,150* 10,670* 10,250* 9,830* 9,470* 9,470* 9,410* 8,940*	80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 63.6	60 1 O set Ar 10 Rated Load (lbs) 18,000* 18,000* 18,000* 18,000* 18,000* 16,820* 15,600* 14,570* 13,640* 12,780* 12,780* 12,780* 12,780* 12,780* 14,410* 10 10 10 10 10 10 10 10 10 10	ft Jib gle (deg.,) Boom Angle (deg.) 79.1 77.2 75.2 73.3 71.4	30 Rated Load (lbs) 8,970* 8,570* 8,200* 7,890* 7,890* 7,580* 7,310*	Load Padius (ft) 34 36 38 40 45 50 55 60 65 70 75 80 80 85
Load Radius (ft) 34 36 38 40 55 50 55 60 65 70 75 80 85 90 95	110' E 1 Boom Angle (deg.) 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 30 f ○_set Arr 0 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 13,320 15,140 13,820 12,670 11,660 10,710	t Jb gle (deg.) Boom Angle (deg.) 79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7 65.1 62.7 60.2 57.6 54.8	20 Rated Load (lbs) 19,860* 18,930* 18,970* 16,680* 16,680* 16,680* 16,680* 15,520* 14,170 12,980 11,920 10,930	79.9 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	40 1 O set An 0 Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 23,500* 23,500* 20,960 18,800 16,970 13,990 13,990 11,810 10,840	Ib ogle (deg., gle (deg., Boom Angle (deg.) 79.9 77.7 75.6 73.5 71.4 69.1 64.9 64.2 59.7	30 Pated Load (lbs) 15,360* 14,610* 13,970* 13,400* 12,870* 12,870* 11,940* 11,570* 11,570* 11,202*	78.8 76.9 75.0 73.1 71.2 69.3 67.2 63.2 61.2 58.9	50 1 O Set Ar. 0 Pated Load (lbs) 20,000* 20,000* 20,000* 19,330* 17,980* 16,820* 14,820* 14,820* 14,820* 12,960 11,920 10,950	t Jib ogle (deg.) Boom Angle (deg.) 78.5 76.5 74.6 72.4 70.4 68.3 66.1 63.8	30 Pated Load (lbs) 11,150* 10,670* 10,250* 9,470* 9,470* 8,840* 8,840*	80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 63.6 61.5	60 1 0 set Ar 10 Rated Load (lbs) 18,000* 18,000* 18,000* 18,000* 16,820* 15,600* 14,570* 13,640* 12,780* 12,780* 11,410* 10,840* 10,270*	Ib ogle (deg.,) Boom Angle (deg.) 79.1 77.2 75.3 71.4 69.4 67.2	30 Rated Load (lbs) 8,970* 8,570* 8,200* 7,890* 7,580* 7,310* 7,050*	Load Padius (ft) 34 36 38 40 45 55 60 65 55 60 65 70 75 80 85 90 95
Load Radius (ft) 34 36 38 40 55 50 65 55 60 65 70 75 80 85 90 95 100	110' E 1 Boom Angle (deg.) 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 30 f 0 set An 0 Reted 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 15,160 10,710 9,920	t Jb gle (deg.) Boom Angle (deg.) 79.0 76.8 74.5 72.2 70.0 67.7 65.1 60.2 57.6 54.8 52.0	20 Rated Load (lbs) 19,860* 18,930* 18,970* 17,350* 16,680* 16,680* 16,680* 16,590* 14,170 12,980 11,920 10,930 10,910	79.9 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 53.3	40 1 O set An 0 Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 23,500* 20,960 18,800 15,930 13,990 12,830 11,810 10,840 10,950	Ib ogle (deg., boom Angle (deg.) 79.9 77.7 75.6 73.5 71.4 69.1 64.6 62.2 59.7 57.1	30 Rated Load (lbs) 15,360* 14,610* 13,970* 13,400* 12,870* 12,870* 11,920* 11,570* 11,220* 10,890* 10,470	78.8 76.9 75.0 73.1 71.2 69.3 67.2 63.2 61.2 58.9 56.7	501 O set Ar. 0 Pated Load (lbs) 20,000* 20,000* 19,330* 17,980* 16,820* 14,020* 14,020* 12,960 11,920 10,950 10,950 10,160	Ib ogle (deg.) 3 Boom Angle (deg.) 78.5 76.5 74.6 72.4 70.4 68.3 66.1 63.8 61.5	30 Pated Load (lbs) 11,150* 10,670* 10,250* 9,470* 9,470* 8,840* 8,550* 8,310*	80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 63.6 61.5 59.5	601 0 set Ar 10 Rated Load (lbs) 18,000* 18,000* 18,000* 16,820* 14,570* 13,640* 12,780* 12,780* 11,410* 10,270* 9,780*	rt Jib gle (deg., Boom Angle (deg.) 79.1 77.2 75.2 73.3 71.4 69.4 67.2 65.2	8,970* 8,970* 8,570* 8,500* 7,890* 7,310* 7,050* 6,830*	Load Radius (ft) 34 36 38 38 40 45 55 60 65 55 60 65 70 75 80 80 80 90 95 100
Load Radius (ft) 34 36 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105	110' E	30 f 30 f 0 set Ar 0 Reted Load (bs) 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 14,000 24,000 15,140 13,820 12,670 11,660 10,710 9,920 9,210	t Jb gle (deg.) Boom Angle (deg.) 79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7 60.2 57.6 54.8 52.0	19,860* 19,860* 18,930* 18,070* 17,350* 16,690* 15,520* 14,170 12,980 11,920 10,930 10,110	79.9 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 53.3 50.8	40 1 O set Ar. 0 Pated Load (lbs) 24,000*	Ib ogle (deg., Boom Angle (deg.) 79.9 77.7 75.6 73.5 71.4 69.1 66.9 64.6 62.2 59.7 57.1 54.5	30 Pated Load (lbs) 15,360* 14,610* 13,400* 12,380* 11,940* 11,570* 11,940* 11,570* 11,920* 10,890* 10,890* 10,470 9,700 9,700	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	50 1 O set Ar. 0 Pated Load (lbs) 20,000* 20,000* 19,330* 17,980* 16,820* 14,020* 14,020* 14,020* 10,950 10,950 10,160 9,430	Ib gle (deg.) 3 Boom Angle (deg.) 78.5 76.5 74.6 72.4 70.4 68.3 66.1 63.8 61.5 59.2	30 Pated Load (lbs) 11,150* 10,670* 10,250* 9,470* 9,140* 8,840* 8,550* 8,310* 8,3090* 7,000*	80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 63.6 61.5 59.5 57.5	601 0 set Ar 10 Rated Load (lbs) 18,000* 18,000* 18,000* 16,820* 15,600* 14,570* 13,640* 13,640* 12,050* 11,410* 10,840* 10,270* 9,780* 9,360* 2,050* 1,410* 10,27	Ib ogle (deg.,) Boom Angle (deg.) 79.1 77.2 75.2 73.3 71.4 69.4 67.2 65.2 63.0	8,970* 8,970* 8,570* 8,520* 7,390* 7,580* 7,390* 7,580* 6,630* 6,630*	Load Radius (ft) 34 36 38 40 45 55 60 65 55 60 65 55 60 65 70 75 80 85 90 95 100
Load Radius (ft) 34 36 38 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110	110' E	30 f 30 f 30 f 2 set Ar 0 Reted Load (bs) 24,000 18,580 16,770 15,140 13,820 10,710 9,920 9,210 7,950	t Jb gle (deg.) Boom Angle (deg.) 79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7 65.1 62.7 60.2 57.6 54.8 52.0	19,860* 19,860* 18,930* 18,930* 17,350* 16,680* 16,090* 14,170 12,980 11,920 10,930 10,110	79.9 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 53.3 50.8 48.2 45.4	40 1 O set An 0 Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 18,800 16,970 15,340 15,340 15,340 15,340 10,850 9,320 8,040	Ib ogle (deg., Boom Angle (deg.) 79.9 77.7 75.6 73.5 71.4 69.1 66.9 64.6 62.2 59.7 57.1 54.5 51.8	30 Pated Load (lbs) 15,360* 14,610* 13,400* 13,400* 12,870* 12,380* 11,940* 11,570* 11,220* 10,890* 10,470 9,700 9,010	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 63.2	501 O set Ar. (0) Pated Load (lbs) 20,000* 20,000* 20,000* 19,330* 17,980* 16,820* 15,800* 14,920* 14,920* 10,950 10,950 10,950 10,950 10,950 8,770 8,130* 14,312* 14,312* 14,920* 10,950 10	Ib gle (deg.) 3 Boom Angle (deg.) 78.5 76.5 74.6 72.4 70.4 68.3 66.1 63.8 61.5 59.2 56.7 54.0	20 Pated Load (lbs) 11,150* 10,670* 10,250* 9,830* 9,470* 9,140* 8,840* 8,550* 8,310* 8,310* 7,890* 7,690*	80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 63.6 61.5 59.5 57.5 55.5 55.5 55.5	601 0 set Ar 10 Rated Load (lbs) 18,000* 18,000* 18,000* 16,820* 16,820* 14,570* 13,640* 12,780* 12,780* 12,780* 12,780* 12,050* 11,410* 10,270* 9,780* 9,360* 8,840 8,200	Ib ogle (deg.,) Boom Angle (deg.) Boom Angle (deg.) 79.1 77.2 75.2 73.3 71.4 69.4 67.2 63.0 60.9 58.4	8,970* 8,970* 8,570* 8,200* 7,580* 7,310* 7,305* 6,830* 6,630* 6,430* 6,260*	Load Radius (ft) 34 36 38 40 45 55 60 65 55 60 65 55 60 65 70 75 80 85 90 95 100 105
Load Radius (ft) 34 36 38 40 45 55 50 65 70 75 80 85 90 95 100 105 110 115 120	110' E	30 f 30 f 0 set Ar 0 Reted Load (bs) 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 23,320 20,740 15,140 15,140 15,7140 15,7140 16,770 15,7140 16,770 16,770 17,950 7,950 7,420	t Jb gle (deg.) 3 Boom Angle (deg.) 79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7 60.2 57.6 54.8 52.0	0 7 7 7 7 7 7 7 7 7 7 7 7 7	79.9 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 53.3 50.8 48.2 45.4 42.5	40 1 O set An 0 Pated Load (lbs) 24,000*	Ib ogle (deg., gle (deg., Boom Angle (deg.) 79.9 77.7 75.6 71.4 69.1 64.6 62.2 59.7 57.1 54.5 51.8	30 Pated Load (lbs) 15,360* 14,610* 13,970* 13,400* 12,870* 12,380* 11,570* 11,570* 11,220* 10,890* 10,470 9,700 9,010	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 49.7 47.2	501 O □set Arr. (0) Pated Load (lbs) 20,000* 20,000* 19,330* 17,980* 16,820* 15,800* 14,830* 14,830* 14,920* 10,950 10,950 10,160 9,430 8,770 8,770 8,760	Ib gle (deg.) 3 Boom Angle (deg.) 78.5 76.5 74.6 72.4 70.4 68.3 66.1 63.8 61.5 59.2 56.7 54.0	20 Pated Load (lbs) 11,150* 10,670* 10,250* 9,830* 9,470* 9,140* 8,840* 8,550* 8,310* 8,310* 8,310* 7,890* 7,690*	80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 63.6 61.5 59.5 57.5 59.5 57.5 53.1 50.9	601 ○□set Ar. 10 Rated Load (lbs) 18,000* 18,000* 18,000* 16,820* 16,820* 15,600* 13,640* 12,780* 13,640* 10,820* 13,640* 12,780* 13,640* 12,780* 13,640* 12,780* 12,780* 12,780* 13,640* 12,780* 13,640* 12,780* 13,640* 12,780* 13,640* 13,640* 13,640* 12,780*	Ib ogle (deg., gle (deg., Boom Angle (deg.) 79.1 77.2 75.2 73.3 71.4 69.4 67.2 63.0 60.9 58.4 56.1	8,970* 8,970* 8,570* 8,200* 7,580* 7,310* 7,310* 6,630* 6,430* 6,260* 6,100*	Load Radius (ft) 34 36 38 40 45 55 60 65 55 60 65 55 60 65 55 60 65 55 60 65 55 60 0 65 55 60 0 65 55 70 70 75 80 85 90 95 100 105 1101 105 1101 105 1101 105 1101 105 1101 105 1101 105 1101 105 1101 105 1101 105 105
Load Radius (ft) 34 36 38 40 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125	110' E	30 f 30 f 0 set An 0 Reted Load (bs) 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 23,320 20,740 18,580 16,770 13,820 12,670 11,660 10,710 9,210 9,210 7,950 7,950 7,950 7,950	t Jb gle (deg.) Boom Angle (deg.) 79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7 60.2 57.6 54.8 52.0	20 Rated Load (lbs) 19,860* 18,930* 18,930* 16,680* 16,690* 15,520* 14,170 12,980 11,920 10,930 10,110	79.9 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 53.3 50.8 48.2 45.4 42.5 39.4	40 1 O set Arr. (0) Pated Load (lbs) 24,000* 23,500* 20,960 18,800 15,340 15,340 10,840 10,050 9,320 8,600 8,600 7,510 7,050 1,050	79.9 79.9 79.9 77.7 75.6 73.5 71.4 69.1 66.9 64.6 62.2 59.7 57.1 54.5 51.8	30 Rated Load (lbs) 15,360* 14,610* 13,970* 13,400* 12,870* 12,380* 11,570* 11,570* 11,570* 11,570* 11,570* 10,470 9,700 9,010	78.8 76.9 75.0 75.0 73.1 71.2 69.3 67.2 65.2 63.2 61.2 58.9 56.7 54.5 52.2 49.7 47.2 44.5	501 O □set Arr. (0) Pated Load (lbs) 20,000* 19,330* 17,980* 15,800* 14,830* 14,830* 14,830* 14,920* 12,960 11,920 10,950 10,160 9,430 8,770 8,130 7,600 7,120	Ib gle (deg.) 3 Boom Angle (deg.) 78.5 76.5 74.6 72.4 70.4 68.3 66.1 63.8 61.5 59.2 56.7 54.0	20 Pated Load (lbs) 11,150* 10,670* 10,250* 9,830* 9,470* 9,140* 8,840* 8,840* 8,550* 8,310* 8,310* 7,890*	80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 63.6 61.5 59.5 55.4 53.1 50.9 48.6	601 ○ set Ar. 10 Rated Load (lbs) 18,000* 18,000* 18,000* 16,820* 15,600* 14,570* 13,640* 12,780* 13,640* 10,270* 13,640* 10,270* 11,410* 10,270* 13,640 10,270* 1,410* 10,270* 1,410* 10,270* 1,410* 10,270* 1,410* 10,270* 1,410* 10,270* 1,410	Ib ogle (deg., gle (deg., Boom Angle (deg.) 79.1 77.2 75.2 73.3 71.4 69.4 67.2 63.0 60.9 58.4 53.6	8,970* <i>Rated Load</i> (<i>lbs</i>) <i>Rated Load</i> (<i>lbs</i>) <i>Rated Load</i> (<i>lbs</i>) <i>Rated Load</i> (<i>lbs</i>) <i>Rated Load</i> <i>Rated Load</i>	Load Radius (ft) 34 36 38 40 45 50 55 60 55 60 55 60 70 75 80 85 90 95 100 105 110 115 120
Load Radius (ft) 34 36 38 40 55 60 65 70 55 60 65 70 75 80 85 905 100 105 110 115 120 125 130	110' E	30 f 30 f 0 set An 0 Reted Load (lbs) 24,000 24,000 24,000 24,000 24,000 24,000 24,000 23,320 20,740 18,580 16,770 13,820 12,670 11,660 10,710 9,920 9,210 8,570 7,950 7,950 7,420 6,960	t Jb gle (deg.) Boom Angle (deg.) 79.0 76.8 74.5 74.5 70.0 67.7 65.1 62.7 60.2 57.6 54.8 52.0	20 Rated Load (lbs) 19,860* 18,930* 18,070* 17,350* 16,680* 16,680* 16,690* 15,520* 14,170 12,980 11,920 10,930 10,110	79.9 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 58.2 55.7 53.3 50.8 48.2 45.4 42.5 39.4 39.4 39.4 30.5	40 1 O set An 0 Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 23,500* 20,960 18,800 16,970 13,990 12,830 13,990 12,830 11,810 10,840 10,050 9,320 8,680 8,040 7,510 7,050 6,610 2,100	79.9 79.9 79.9 77.7 75.6 73.5 71.4 69.1 66.9 64.6 62.2 59.7 57.1 54.5 51.8	30 Pated Load (lbs) 14,610* 13,970* 13,400* 12,880* 11,940* 11,570* 11,920* 10,470 9,700 9,010	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 49.7 47.2 44.5 41.8	501 O Set Ar. 0 Pated Load (lbs) 20,000* 20,000* 20,000* 19,330* 17,980* 16,820* 14,920* 14,920* 14,920* 12,960 11,920 10,950 10,950 10,950 10,160 9,430 8,770 8,130 7,600 7,120 6,550	Image Image <th< td=""><td>30 Pated Load (lbs) 11,150* 10,670* 10,250* 9,470* 9,470* 9,470* 8,840* 8,50* 8,310* 8,309* 7,690*</td><td>80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 63.6 61.5 59.5 57.5 55.4 53.1 50.9 48.6 46.2</td><td>601 0 set Ar 10 Rated Load (lbs) 18,000* 18,000* 18,000* 18,000* 16,820* 15,600* 14,570* 13,640* 12,780* 12,780* 12,780* 13,640* 10,840*</td><td>Ib gle (deg., Boom Angle (deg.) 79.1 77.2 75.2 73.3 71.4 69.4 67.2 63.0 60.9 58.4 53.6</td><td>8,970* 8,970* 8,570* 8,500* 7,580* 7,580* 7,580* 7,580* 6,630* 6,630* 6,630* 6,430* 6,260* 6,260* 6,260* 6,260* 6,260*</td><td>Load Padius (ft) 344 36 380 45 50 55 60 65 50 65 50 65 50 65 50 65 70 75 80 85 90 95 100 105 110 115 120</td></th<>	30 Pated Load (lbs) 11,150* 10,670* 10,250* 9,470* 9,470* 9,470* 8,840* 8,50* 8,310* 8,309* 7,690*	80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 63.6 61.5 59.5 57.5 55.4 53.1 50.9 48.6 46.2	601 0 set Ar 10 Rated Load (lbs) 18,000* 18,000* 18,000* 18,000* 16,820* 15,600* 14,570* 13,640* 12,780* 12,780* 12,780* 13,640* 10,840*	Ib gle (deg., Boom Angle (deg.) 79.1 77.2 75.2 73.3 71.4 69.4 67.2 63.0 60.9 58.4 53.6	8,970* 8,970* 8,570* 8,500* 7,580* 7,580* 7,580* 7,580* 6,630* 6,630* 6,630* 6,430* 6,260* 6,260* 6,260* 6,260* 6,260*	Load Padius (ft) 344 36 380 45 50 55 60 65 50 65 50 65 50 65 50 65 70 75 80 85 90 95 100 105 110 115 120
Load Radius (ft) 34 36 38 40 55 50 65 70 65 70 75 80 85 90 95 100 105 100 115 120 125 130 135 140	110' E	30 1 30 1 0 set An 0 Reted Load (lbs) 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 23,320 20,740 18,580 16,770 15,140 13,820 15,140 13,820 10,710 10,710 9,920 9,210 8,570 7,950 7,420 6,960	t Jb gle (deg.) Boom Angle (deg.) 79.0 76.8 74.5 72.2 70.0 67.7 65.1 60.2 57.6 54.8 52.0	20 Rated Load (lbs) 19,860* 18,930* 18,970* 17,350* 16,680* 16,680* 16,680* 16,680* 15,520* 14,170 12,980 11,920 10,930 10,910	79.9 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 53.3 50.8 48.2 45.4 42.5 39.4 36.1 32.5	40 1 O set An 0 Pated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 23,500* 20,960 18,800 15,340 13,990 12,830 13,990 12,830 13,840 10,050 9,320 8,680 8,040 7,510 7,550 6,610 6,190	Ib ogle (deg., boom Angle (deg.) 79.9 77.7 75.6 73.5 71.4 69.1 64.6 62.2 59.7 57.1 54.5 51.8	30 Rated Load (lbs) 15,360* 14,610* 13,970* 13,400* 12,870* 12,870* 11,920* 11,920* 10,890* 10,890* 10,470 9,700 9,010	78.8 76.9 75.0 73.1 71.2 69.3 67.2 63.2 61.2 58.9 56.7 54.5 52.2 49.7 47.2 44.5 41.8 38.8 35.4	501 O set Ar. 0 Pated Load (lbs) 20,000* 20,000* 20,000* 19,330* 17,980* 16,820* 14,020* 14,020* 14,020* 14,020* 14,960 10,950 10,950 10,950 10,950 10,950 10,950 10,950 10,950 10,950 10,950 10,950 10,950 5,860	Image Image <th< td=""><td>30 Pated Load (lbs) 11,150* 10,670* 10,250* 9,470* 9,470* 8,840* 8,550* 8,310* 8,5090* 7,690*</td><td>80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 63.6 61.5 59.5 57.5 59.5 57.5 55.4 53.1 50.9 48.6 46.2 43.6</td><td>601 0 set Ar 10 Rated Load (lbs) 18,000* 18,000* 18,000* 16,820* 14,570* 13,640* 12,780* 12,780* 12,780* 12,780* 12,780* 13,640* 10,270* 9,360* 8,840 8,200 7,640 7,160 6,700 6,300 5,880</td><td>Ib gle (deg., Boom Angle (deg.) 79.1 77.2 73.3 71.4 69.4 63.0 60.9 58.4 53.6</td><td>8,970* 8,970* 8,570* 8,570* 8,200* 7,890* 7,310* 7,580* 6,330* 6,630* 6,970* 6,970* 6,970* 6,630* 6,630* 6,970*</td><td>Load Radius (ft) 344 36 38 340 45 55 60 65 55 60 65 55 60 65 55 60 65 55 60 65 70 75 80 80 90 95 100 105 110 115 125 130 135</td></th<>	30 Pated Load (lbs) 11,150* 10,670* 10,250* 9,470* 9,470* 8,840* 8,550* 8,310* 8,5090* 7,690*	80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 63.6 61.5 59.5 57.5 59.5 57.5 55.4 53.1 50.9 48.6 46.2 43.6	601 0 set Ar 10 Rated Load (lbs) 18,000* 18,000* 18,000* 16,820* 14,570* 13,640* 12,780* 12,780* 12,780* 12,780* 12,780* 13,640* 10,270* 9,360* 8,840 8,200 7,640 7,160 6,700 6,300 5,880	Ib gle (deg., Boom Angle (deg.) 79.1 77.2 73.3 71.4 69.4 63.0 60.9 58.4 53.6	8,970* 8,970* 8,570* 8,570* 8,200* 7,890* 7,310* 7,580* 6,330* 6,630* 6,970* 6,970* 6,970* 6,630* 6,630* 6,970*	Load Radius (ft) 344 36 38 340 45 55 60 65 55 60 65 55 60 65 55 60 65 55 60 65 70 75 80 80 90 95 100 105 110 115 125 130 135
Load Radius (ft) 34 36 38 40 55 50 65 70 75 80 65 70 75 80 95 100 105 110 115 120 135 130 135 140 145	110' E	30 f 30 f ○_set Arr 0 Reted 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 15,710 13,820 12,670 11,660 10,710 9,920 9,210 8,570 7,950 7,420 6,960	t Jb gle (deg.) Boom Angle (deg.) 79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7 60.2 57.6 54.8 52.0	20 Rated Load (lbs) 19,860* 18,930* 18,070* 17,350* 16,680* 16,680* 16,5920* 14,170 12,980 11,920 10,930 10,110	79.9 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 53.3 50.8 48.2 45.4 42.5 39.4 36.1 32.5	40 1 O set Ar. 0 Pated Load (lbs) 24,000*	Ib ogle (deg., 2) Boom Angle (deg.) 79.9 77.7 75.6 73.5 71.4 66.9 64.6 62.2 59.7 57.1 54.5 51.8	30 Rated Load (lbs) 15,360* 14,610* 13,970* 13,400* 12,380* 11,940* 12,380* 11,940* 11,940* 10,890* 10,890* 10,890* 10,900 9,700 9,010	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 49.7 47.2 44.5 38.8 35.4	501 O set Ar. 0 Pated Load (lbs) 20,000* 20,000* 20,000* 19,330* 17,980* 16,820* 14,820* 14,820* 14,820* 14,920 10,950 10,950 10,950 10,950 10,950 10,950 10,950 10,950 10,950 10,950 10,950 10,950 10,950 5,860	Image Image <th< td=""><td>20 Pated Load (lbs) 11,150* 10,670* 10,250* 9,470* 9,470* 8,840* 8,550* 8,310* 8,909* 7,690*</td><td>80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 63.6 61.5 59.5 57.5 55.4 53.1 50.9 48.6 46.2 43.6 40.8 37.9</td><td>601 0 set Ar 10 Rated Load (lbs) 18,000* 19,000* 19,000* 19,000* 19,000* 19,000* 10,800* 10,100* 10,800*</td><td>Ib ogle (deg.,) Boom Angle (deg.) 79.1 77.2 73.3 71.4 69.4 63.0 60.9 58.4 53.6</td><td>8,970* Rated Load (lbs) 8,970* 8,570* 8,570* 8,520* 7,890* 7,580* 7,310* 7,580* 7,310* 6,630* 6,970* 6,970* 6,630* 6,630* 6,970* 6,970* 6,970* 6,630* 6,970* 6,970* 6,970* 6,630* 6,970* 6,9</td><td>Load Radius (h) 344 36 38 40 45 55 60 65 55 60 65 55 60 65 70 75 80 85 90 95 100 105 110 115 120 135 130 135 140</td></th<>	20 Pated Load (lbs) 11,150* 10,670* 10,250* 9,470* 9,470* 8,840* 8,550* 8,310* 8,909* 7,690*	80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 63.6 61.5 59.5 57.5 55.4 53.1 50.9 48.6 46.2 43.6 40.8 37.9	601 0 set Ar 10 Rated Load (lbs) 18,000* 19,000* 19,000* 19,000* 19,000* 19,000* 10,800* 10,100* 10,800*	Ib ogle (deg.,) Boom Angle (deg.) 79.1 77.2 73.3 71.4 69.4 63.0 60.9 58.4 53.6	8,970* Rated Load (lbs) 8,970* 8,570* 8,570* 8,520* 7,890* 7,580* 7,310* 7,580* 7,310* 6,630* 6,970* 6,970* 6,630* 6,630* 6,970* 6,970* 6,970* 6,630* 6,970* 6,970* 6,970* 6,630* 6,970* 6,9	Load Radius (h) 344 36 38 40 45 55 60 65 55 60 65 55 60 65 70 75 80 85 90 95 100 105 110 115 120 135 130 135 140
Load Radius (ft) 34 36 38 40 45 50 65 50 65 60 65 70 75 80 95 100 105 110 115 120 135 140 145 150	110' E	30 f 30 f ○_set Ar 0 Reted Load (bs) 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 14,000 24,000 15,140 13,820 10,710 9,920 9,210 8,570 7,420 6,960	t Jb gle (deg.) Boom Angle (deg.) 79.0 76.8 74.5 72.2 70.0 67.7 65.1 62.7 60.2 57.6 54.8 52.0	20 Rated Load (lbs) 19,860* 18,930* 18,970* 17,350* 16,690* 15,520* 14,170 12,980 11,920 10,930 10,910	79.9 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 53.3 50.8 48.2 45.4 42.5 39.4 36.1 32.5	40 1 O set Ar. 0 Pated Load (lbs) 24,000*	Ib ogle (deg., Boom Angle (deg.) 79.9 77.7 75.6 73.5 71.4 69.1 66.9 64.6 62.2 59.7 57.1 54.5 51.8	30 Pated Load (lbs) 15,360* 14,610* 13,400* 12,380* 12,380* 13,400* 12,380* 13,400* 12,380* 10,890*	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 49.7 47.2 44.5 41.8 38.8 35.4	501 O set Ar. 0 Pated Load (lbs) 20,000* 20,000* 19,330* 17,980* 16,820* 14,820* 14,820* 14,820* 14,920* 10,950 10,950 10,950 10,950 10,950 10,950 10,950 10,950 10,950 10,950 10,950 10,950 10,950 5,860	Image Image Image (deg.) 3 Boom Angle (deg.) 78.5 76.5 74.6 72.4 70.4 68.3 66.1 63.8 61.5 59.2 56.7 54.0	20 Pated Load (lbs) 11,150* 10,670* 10,250* 9,470* 9,140* 8,840* 8,550* 8,310* 8,309* 7,890* 7,690*	80.0 78.3 76.4 74.7 72.9 71.1 69.2 67.3 65.5 63.6 61.5 59.5 57.5 55.4 53.1 50.9 48.6 40.2 43.6 40.8 37.9 34.8	601 0 set Ar 10 Rated Load (lbs) 18,000* 18,000* 18,000* 18,000* 18,000* 18,000* 16,820* 14,570* 13,640* 12,050* 13,640* 12,050* 11,410* 10,270* 9,360* 8,840 8,200 7,640 7,160 6,300 5,880 5,530 5,220	Ib ogle (deg., 3) Boom Angle (deg.) 79.1 77.2 75.2 73.3 71.4 69.4 67.2 63.0 60.9 58.4 53.6	8,970* 8,970* 8,570* 8,520* 7,890* 7,580* 7,310* 7,050* 6,830* 6,630* 6,430* 6,20* 5,970*	Load Radius (ft) 34 36 38 40 45 55 60 65 55 60 65 55 60 65 70 75 80 80 85 90 95 100 105 110 115 120 135 130 135 140 145 135

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

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

23

Fixed Jib Lift Capacity

Full Counterweight: 57,590 lbs Carbody Weight: 14,340

	120' E	Boom															
		30 f	t Jib			40 1	ft Ji b			50 f	ft Ji b			601	t Ji b		
Load		O⊡set An	gle (deg.))		O⊡set An	ngle (deg.))		O⊡set An	igle (deg.)	1		O⊡set An	gle (deg.))	Load
(ft)	1 De em Anelo	0 Defeat laged	G De em Americ	30 Defect for and	De avec Avecula	10 Defect for and	Change Angela	30 Defect Lood	Dears Anala	10 Defectional	Com Annia	30 Defect Loood	De aux America	0 Defect lased	G De em Aneria	30 Defect Lood	(ft)
	(deq.)	(lbs)	(deq.)	(lbs)	(deq.)	(lbs)	(deq.)	(lbs)	(deq.)	(lbs)	(deq.)	(lbs)	(deq.)	(lbs)	(deq.)	(lbs)	
36 38 40 45 50 55 60 65 70 75 80 65 70 75 80 90 95 100 105 110 115 130 135 140 145 150	(069) 79.7 79.0 78.2 76.3 74.3 72.2 70.2 68.2 66.1 63.9 61.7 59.5 57.3 54.8 52.4 49.9 47.3 44.5 41.6 38.5 35.3 31.7	(05) 24,000* 24,000* 24,000* 24,000* 23,100 20,520 18,360 16,550 14,920 13,600 13,600 11,410 10,470 9,650 8,310 7,690 7,160 6,670 6,230 5,840	79.7 77.7 75.6 73.5 71.4 69.3 67.0 64.8 62.6 60.2 57.7 55.2 52.6	(0.5) 20,190* 19,290* 18,450* 17,720* 16,490* 15,340 13,970 12,780 11,720 10,730 9,890 9,140	79.9 78.1 76.2 74.3 72.4 70.5 68.6 66.5 64.5 62.5 60.5 58.2 56.0 53.8 51.5 49.0 46.5 43.8 41.1 38.1 34.7	(105) 24,000* 24,000* 24,000* 20,760 18,580 16,770 15,100 13,770 12,610 11,570 10,620 9,810 9,080 8,440 7,270 6,790 6,320 5,530	78.5 76.6 74.7 72.7 70.6 68.5 66.4 64.3 62.0 59.7 57.4 55.0 52.3	(105) 14,880* 14,240* 13,690* 13,660* 12,250* 11,860* 11,500* 11,500* 11,130 10,290 9,520 8,840 8,150	79.5 77.7 75.9 74.2 72.4 70.6 68.7 66.8 65.0 63.1 61.0 59.0 57.0 57.0 52.6 50.4 48.1 45.7 43.1 40.3 37.4 3 4.3	(05) 20,000* 20,000* 20,000* 18,690* 17,500* 16,440* 15,250 13,910 12,740 11,700 10,730 9,920 9,190 8,530 7,880 7,360 6,850 6,410 5,990 5,240 4,910	79.2 77.4 75.6 73.6 71.7 69.7 67.8 65.6 63.6 61.4 59.3 56.8 54.5 52.1	(0.5) 11,330* 10,860* 10,420* 9,670* 9,340* 9,060* 8,770* 8,500* 8,500* 8,60* 7,870* 7,690* 7,250	78.9 77.2 75.6 73.9 72.2 70.4 68.7 67.0 65.2 63.3 61.5 59.6 57.7 55.6 53.6 51.5 49.3 47.1 44.6 42.2 39.6 36.8	(05) 18,000* 17,390* 16,180* 15,120* 13,290* 11,300* 11,300* 10,730* 9,980 9,980 9,980 9,980 9,980 7,950 7,950 7,400 6,920 6,450 6,040 5,640 5,290 4,960	79.7 78.0 76.1 74.4 72.6 70.7 68.7 66.8 64.9 60.7 58.6 56.4 54.1 51.7	9,080* 8,700* 8,350* 8,040* 7,730* 7,230* 7,701* 6,610* 6,410* 6,260* 6,410* 5,970* 5,860*	36 38 40 50 55 50 60 65 55 60 65 70 75 80 80 85 90 95 100 105 110 125 130 135 140 135 140 155
160													33.6	4,340			160
Doolioo																	
Reeves	4	2		2		2		1		2		1	2	2		1	Reeves
Reeves	130' E	2 Boom		2		2		1		2		1		2		1	Reeves
Reeves	130' E	2 Boom 30 f	t Jib	2		2 401	ft Jib	1		2 501	ft Jib	1		2 601	t Jib	1	Reeves
Load Radius	130' E	2 300m 30 f 0 set An	t Jib gle (deg.)	2		2 401 O:set An	ft Jib ngle (deg.))		2 50 1 O_set An	ft Jib Igle (deg.)	20		2 601 O_set Ar	t Jib gle (deg.)	1) 30	Reeves
Load Radius (ft)	130' E	2 Boom 30 f O set An O Rated Load	t Jib gle (deg.) Boom Anale	2) 30 Rated Load	1 Boom Angle	2 40 t O_set Ar	ft Jib ngle (deg.) Boom Anale	1) 30 Rated Load	1 Boom Anale	2 50 f O set An 10 Rated Load	ft Jib ngle (deg.) Boom Anale	BO Rated Load	1 Boom Angle	2 60 t O set Ar	t Jib gle (deg.) Boom Angle	1 30 Rated Load	Load Radius (ft)
Load Radius (ft)	130' E 1 Boom Angle (deg.)	2 30 f 0 set An 10 Rated Load (lbs)	it Jib gle (deg.) Boom Angle (deg.)	2 30 Rated Load (lbs)	1 Boom Angle (deg.)	2 40 t O set An 10 Rated Load (lbs)	ft Jib agle (deg.) Boom Angle (deg.)	1 30 Rated Load (lbs)	Boom Angle (deg.)	2 50 f O:set An 10 Rated Load (lbs)	ft Jib gle (deg.) Boom Angle (deg.)	30 Rated Load (lbs)	1 Boom Angle (deg.)	2 60 1 O_set Ar 0 Rated Load (lbs)	it Jib gle (deg.) Boom Angle (deg.)	1 30 Pated Load (lbs)	Reeves
Load Radius (ft) 388 40 45 50 55 60 65 55 60 65 55 60 65 55 60 65 70 75 580 80 85 90 95 100 105 110 115 120 135 130 135 135 140 145 155 155 160 155 170 175 170 175 170 175 170 175 170 175 170 175 170 175 170 175 170 175 170 175 170 175 170 175 170 175 170 175 170 175 175 175 175 175 175 175 175 175 175	130' E 130' E 1 Boom Angle (deg.) 79.7 79.0 77.1 75.3 73.4 71.5 69.6 67.7 65.6 63.6 63.6 63.6 63.6 57.3 55.2 52.9 50.6 48.1 45.6 43.0 40.2 37.3 33.9	2 30 ff 30 f 30 f 30 f 30 f 30 f 30 f 24,000* 25,880 0,7450 6,920 6,570 5,570 5,200* 5,200* 5,570 5,200* 5,570* 5,570*	t Jib gle (deg.) Boom Angle (deg.) 78.5 76.5 74.6 72.7 70.7 68.6 66.6 66.5 62.4 60.1 57.9 55.6 53.2	2 30 Pated Load (lbs) 19,620* 18,780* 18,770* 17,430* 16,860 15,140 13,770 12,580 10,510 9,700 8,950 8,260	78.8 77.1 75.2 73.5 71.7 69.9 68.0 66.2 64.3 62.4 60.3 58.3 54.2 51.9 49.7 47.4 45.0 42.5 39.6 36.8 33.7	2 40 1 O set Ar 0 Rated Load (lbs) 24,000* 24,000* 23,170 20,540 13,550 14,880 13,550 14,880 13,550 12,380 12,380 13,550 10,380 9,560 8,200 7,560 7,030 6,540 6,540 6,540 6,540 4,930 4,600	ft Jib gle (deg.) Boom Angle (deg.) 79.3 77.5 75.7 73.8 69.9 68.0 66.1 63.9 61.9 59.8 57.6 55.2 52.9	1 30 Reted Load (lbs) 15,100* 14,500* 13,930* 13,930* 13,930* 12,940* 12,520* 12,140* 12,740* 12,520* 10,950 10,950 10,950 10,950 7,980 7,400	80.0 78.4 75.1 73.4 71.7 69.9 68.5 64.7 62.8 61.0 59.1 57.2 55.1 57.2 55.1 57.2 55.1 57.2 55.1 51.0 48.8 46.6 44.1 41.7 39.1 36.3 33.1	2 50 1 0 set Ar 0 Reted Load (lbs) 20,000* 20,000* 20,000* 19,330* 19,330* 19,330* 13,690 14,670 5,750 5,350 5,000 4,670 4,360 4,030	t Jib gle (deg.) Boom Angle (deg.) 79.9 78.2 76.5 74.6 72.8 71.0 69.2 67.2 65.3 63.4 61.4 59.2 57.1 54.9 52.6	1 30 Rated Load (lbs) 11,480* 11,020* 10,620* 10,620* 9,550* 9,550* 9,550* 8,950* 8,00* 8,950* 8,	79.5 77.9 76.3 74.8 73.2 71.5 69.9 68.3 66.6 64.8 63.1 61.4 59.6 57.7 55.9 54.0 52.0 52.0 54.0 52.0 54.0 52.0 54.0 52.0 54.0 52.0 54.0 52.0 54.0 52.0 54.0 52.0 54.0 52.0 54.0 52.0 54.0 52.0 54.0 55.9 54.0 55.9 54.0 52.0 54.0 52.0 54.0 55.9 54.0 55.9 54.0 52.0 54.0 55.9 54.0 55.9 54.0 52.0 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 55.9 54.0 55.9 54.0 55.9 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 54.0 55.9 55.9 54.0 55.9 54.0 55.9 55.9 55.0 55.0 55.0 55.0 55.0 55	2 601 0 set Ar. 0 Rated Load (lbs) 18,000* 17,920* 16,710* 15,630* 13,050* 13,050* 13,050* 13,050* 11,570 10,580 9,760 9,760 9,760 9,760 9,760 9,730 7,180 6,670 6,670 6,670 6,670 5,820 5,400 4,710 4,400 4,400 3,760 3,480	t Jib gle (deg.) Boom Angle (deg.) 78.7 76.9 75.3 73.6 71.9 70.0 68.3 66.5 64.6 62.6 60.7 58.7 56.6 54.5 52.2	1 30 Rated Load (lbs) 8,840* 8,480* 8,480* 8,480* 8,480* 7,390* 7,20* 7,360* 7,360* 7,360* 6,740* 6,560* 6,560* 6,590* 6,5970* 5,970* 5,840	Reverse Load Radius: (ft) Load Radius: (ft) Load Radius: (ft) Radius: (ft) Radiu

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

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

Fixed Jib Lift Capacity

Full Counterweight: 57,590 lbs Carbody Weight: 14,340

	140 E	soom															
		30 f	t Jib			40 f	t Ji b			501	ft Ji b			601	ft Ji b		
Load		O⊡set An	gle (deg.))		O⊡set An	gle (deg.,)		O⊡set Ar	ngle (deg.))		O⊡set Ar	igle (deg.))	Load
radius (ft)	1	0	3	30	1	10	3	30	1	10	3	30	1	10	3	30	(ft)
()	Boom Angle (dea.)	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	
40	79.6	24.000*	(009.)	(100)	(uog.)	(100)	(dog.)	(100)	(dog.)	(100)	(uog.)	(100)	(uog.)	(100)	(uog.)	(100)	40
4 0 45	79.0 77.9	24,000 *			79.4	24,000*											40
50	76.2	24,000*	79.2	19,900*	77.8	24,000*	70.0	45 000*	79.1	20,000*			70.5	40.000*			50
55	74.4 72.6	22,680 20.080	75.6	1 9,090 [*]	76.1 74.4	22,970 20 340	79.9 78.2	15,320 [°]	75.9	19 970*			78.5 77.0	1 8,000 *			50
65	70.9	17,940	73.8	17,760*	72.8	18,180	76.5	14,170*	74.3	18,360	78.8	11,170*	75.6	16,130*			65
70	69.1	16,110	72.0	16,680	71.1	16,330	74.8	13,690*	72.8	16,510	77.2	10,780*	74.1	15,160*	79.3	8,950*	70
80	65.3	1 4,460 13,130	68.1	13.600	69.3 67.6	14,080	72.9 71.2	12,760*	69.4	14,830	73.8	10,380° 10.030*	72.5	1 4,260 *	76.1	8,310*	80
85	63.5	11,970	66.2	12,380	65.9	12,160	69.4	12,380*	67.8	12,300	72.1	9,720*	69.4	12,410	74.5	8,020*	85
90 95	61.6	10,950	64.3	11,330	64.1	11,130	67.6	11,810	66.2	11,260	70.4	9,430*	67.9	11,350	72.9	7,760*	90
100	57.5	9,900 9,190	60.1	9,500	60.3	9,340	63.7	9,920	62.7	9,470	66.8	9,120 *	64.6	9,540	69.5	7,270*	100
105	55.5	8,460	58.1	8,750	58.5	8,610	61.8	9,140	60.9	8,730	65.0	8,660*	63.0	8,810	67.8	7,070*	105
110 115	53.4 51 1	7,820 7180	55.9 535	8,060	56.6 54 5	7,950	59.8	8,460	59.2	8,060	63.2	8,440*	61.4	8,150	66.1	6,870*	110
120	48.9	6,650	51.3	6,850	52.5	6,790	55.5	7,200	55.4	6,900	59.3	7,420	57.9	6,960	62.5	6,520*	120
125	46.6	6,170			50.4	6,300	53.4	6,670	53.5	6,390	57.3	6,900	56.1	6,450	60.7	6,370*	125
130 135	44.2 41 7	5,/30 5 330			48.2 46.0	5,840 5 420			51.6 495	5,930 5 510	55.3 53 1	6,390 5 950	54.3 52 5	5,990 5 570	58.8	6,230*	130 135
140	38.8	4,910			43.5	5,020			47.3	5,090	55.1	3,330	50.5	5,150	54.7	5,640	140
145	36.0	4,560			41.1	4,670			45.1	4,730			48.5	4,800	52.7	5,240	145
150 155	32.9	4,210			38.5 35.7	4,320 3.940			42.9 40.5	4,400 4.030			46.5 44 4	4,470 4,100			150 155
160					32.5	3,610			37.8	3,680			42.0	3,720			160
165									35.1	3,370			39.7	3,410			165
175									32.2	3,080			37.3 34.6	3,130 2.840			175
Reeves	2	2		2	1	2		1		2		1	:	2		1	Reeves
	150' E	Boom															
		30 f	t Ji b			40 f	t Jib			501	ft J ib			601	ft Ji b		
Load		30 f O⊡set An	t Ji b gle (deg.))		40 f O⊡set An	t Ji b gle (deg.,)		50 i O⊡set Ar	ft Jib ngle (deg.))		60 i O⊡set Ar	ft Jib igle (deg.))	Load
Load Radius	1	30 f O⊡set An 0	t Jib gle (deg.)) 30	1	40 f O⊡set An 10	ft Ji b gle (deg.,) 30	1	501 O⊡set Ar 10	ft Jib ngle (deg.) 3) 30	1	601 O⊡set An 10	ft Jib ngle (deg.)) 30	Load Radius
Load Radius (ft)	1 Boom Angle	30 f O⊡set An O Rated Load	t Jib gle (deg.) Boom Angle) 30 Rated Load	1 Boom Angle	40 f O set An 10 Rated Load	ft Jib gle (deg., Boom Angle) 30 Rated Load	1 Boom Angle	50 t O set Ar	ft Jib ngle (deg.) 3 Boom Angle	BO Rated Load	Boom Angle	60 t O set Ar 10 Rated Load	ft Jib gle (deg.) Boom Angle) BO Rated Load	Load Radius (ft)
Load Radius (ft)	1 Boom Angle (deg.)	30 f O_set An O Rated Load (lbs)	t Jib gle (deg.) Boom Angle (deg.)	30 Rated Load (lbs)	Boom Angle (deg.)	40 f O set An 10 Rated Load (lbs)	t Jib gle (deg., Boom Angle (deg.)) 30 Rated Load (lbs)	1 Boom Angle (deg.)	50 i O set Ar O Rated Load (lbs)	ft Jib ngle (deg.) 3 Boom Angle (deg.)	30 Pated Load (lbs)	Boom Angle (deg.)	60 t O set Ar 10 Rated Load (lbs)	ft Jib gle (deg.) Boom Angle (deg.)	30 Rated Load (lbs)	Load Radius (ft)
Load Radius (ft) 45 50	1 Boom Angle (deg.) 78.6 77.0	30 f O_set An O Pated Load (lbs) 24,000* 24,000*	it Jib gle (deg., 3 Boom Angle (deg.) 79.9	30 Rated Load (lbs) 20,170*	2007 Angle (deg.) 80.0 78.5	40 f O set An 10 Rated Load (lbs) 24,000* 24,000*	t Jib gle (deg., Boom Angle (deg.)) 30 Rated Load (Ibs)	1 Boom Angle (deg.) 79.6	50 1 O set Ar O Rated Load (lbs) 20,000*	ft Jib ngle (deg.) 3 Boom Angle (deg.)	30 Pated Load (lbs)	Boom Angle (deg.)	60 1 O set An 10 Rated Load (lbs)	ft Jib ngle (deg.) Boom Angle (deg.)	30 Rated Load (lbs)	Load Radius (ft)
Load Radius (ft) 45 50 55	1 Boom Angle (deg.) 78.6 77.0 75.3	30 f O_set An O Rated Load (lbs) 24,000* 24,000* 22,530	t Jib gle (deg.) Boom Angle (deg.) 79.9 78.1	Rated Load (lbs) 20,170* 19,370*	2007 Angle (deg.) 80.0 78.5 76.8	40 f O set An O Rated Load (lbs) 24,000* 24,000* 22,810	t Jib gle (deg., 3 Boom Angle (deg.)) 30 Rated Load (lbs)	1 Boom Angle (deg.) 79.6 78.1	50 1 O set Ar O Rated Load (lbs) 20,000*	ft Jib ngle (deg.) 3 Boom Angle (deg.)	30 Rated Load (lbs)	Boom Angle (deg.)	60 t 0 set Ar 10 Rated Load (lbs) 18,000*	ft Jib gle (deg.) Boom Angle (deg.)	30 Rated Load (lbs)	Load Radius (ft) 45 50 55
Load Radius (ft) 45 50 55 60	1 Boom Angle (deg.) 78.6 77.0 75.3 73.6	30 f O_set An O Rated Load (lbs) 24,000* 24,000* 22,530 19,920	t Jib gle (deg.) Boom Angle (deg.) 79.9 78.1 76.4	30 Rated Load (lbs) 20,170* 19,370* 18,690* 18,690*	Boom Angle (deg.) 80.0 78.5 76.8 75.3 73.7	40 f O set An O reated Load (lbs) 24,000* 24,000* 22,810 20,190 18,030	t Jib gle (deg., Boom Angle (deg.) 78.9	30 Rated Load (lbs) 14,920*	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1	50 1 O_set Ar O Rated Load (lbs) 20,000* 20,000* 20,000* 18,200* 18,200*	ft Jib ngle (deg.) Boom Angle (deg.)	BO Rated Load (lbs)	Boom Angle (deg.) 79.1 77.7 76.2	601 0 set Ar 10 Rated Load (lbs) 18,000* 17,700* 16,600*	ft Jib ogle (deg.) Boom Angle (deg.)) BO Rated Load (lbs)	Load Radius (ft) 45 50 55 60
Load Radius (ft) 45 50 55 60 65 70	1 Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3	30 f O set An O Pated Load (lbs) 24,000* 24,000* 24,000* 22,530 19,920 17,790 15,960	t Jib gle (deg., Boom Angle (deg.) 79.9 78.1 76.4 74.8 73.1	80 Rated Load (lbs) 20,170* 19,370* 18,690* 18,690* 18,070* 16,550	80.0 78.5 76.8 75.3 73.7 72.1	40 f O set An (bs) 24,000* 24,000* 22,810 20,190 18,030 16,180	Tender Te	30 Rated Load (lbs) 14,920* 14,390* 13,910*	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7	50 1 O set Ar O Rated Load (lbs) 20,000* 20,000* 18,200 16,350	ft Jib ngle (deg.) Boom Angle (deg.) 79.4 77.9	30 Rated Load (lbs) 11,330* 10,930 *	79.1 77.7 76.3 74.9	60 1 0 set Ar 10 Rated Load (lbs) 18,000* 17,700* 16,600* 15,650*	ft Jib ogle (deg.) Boom Angle (deg.) 79.9	30 Rated Load (Ibs) 9,060*	Load Radius (ft) 45 50 55 60 65 70
Load Radius (ft) 45 50 55 60 65 70 75	1 Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5	30 f 0 set An 0 Reted Load (bs) 24,000* 24,000* 22,530 19,920 17,790 15,960 14,300	t Jib gle (deg., Boom Angle (deg.) 79.9 78.1 76.4 74.8 73.1 71.2	20,170* 19,370* 18,690* 18,690* 18,670* 14,830	80.0 78.5 76.8 75.3 73.7 72.1 70.5	40 f 0 set An 0 set An 10 24,000* 24,000* 24,000* 24,000* 24,000* 14,030 16,180 14,520	t Jb gle (deg., Boom Angle (deg.) 78.9 77.3 75.7 73.9	30 Rated Load (lbs) 14,920* 14,390* 13,910* 13,420*	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1	50 1 O set Ar O reted Load (lbs) 20,000* 20,000* 18,200 16,350 14,680	ft Jib ngle (deg.) Boom Angle (deg.) 79.4 77.9 76.3	30 Rated Load (lbs) 11,330* 10,930 * 10,530*	Boom Angle (deg.) 79.1 77.7 76.3 74.9 73.4	60 1 O set Ar 10 Pated Load (lbs) 18,000* 17,700* 16,600* 15,650* 14,720*	ft Jib ogle (deg.,) Boom Angle (deg.) 79.9 78.3	30 Pated Load (lbs) 9,060* 8,700*	Load Radius (ft) 45 50 55 60 65 70 75
Load Radius (ft) 45 50 55 60 65 70 75 80	1 Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8	30 f O set An 0 Rated Load (bs) 24,000* 24,000* 22,530 19,920 19,920 15,960 14,300 12,980 14,000	t Jib gle (deg., Boom Angle (deg.) 79.9 78.1 76.4 74.8 73.1 71.2 69.5 6.3 7	20,170* 19,370* 18,690* 18,070* 16,550 14,830 13,470 13,270*	1 Boom Angle (deg.) 80.0 78.5 76.8 75.3 73.7 72.1 70.5 68.8 67.2	40 f O_set An O_set An (0) Rated Load (lbs) 24,000* 24,000* 22,810 20,190 18,030 16,180 14,520 13,180 12,010	t Jb gle (deg., Boom Angle (deg.) 78.9 77.3 75.7 73.9 72.6	30 Rated Load (lbs) 14,920* 14,390* 13,910* 13,420* 13,420* 13,60*	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5	50 1 O set Ar 0 Pated Load (lbs) 20,000* 20,000* 18,200 16,350 14,680 13,130	ft Jib agle (deg.) Boom Angle (deg.) 79.4 77.9 76.3 74.7 72.1	30 Rated Load (lbs) 11,330* 10,930* 10,930* 10,930* 0,930*	79.1 77.1 76.3 74.9 73.4 71.9	601 O set Ar. 10 Reted Load (lbs) 18,000* 17,700* 16,600* 15,650* 14,720* 13,420 12,234	ft Jib ogle (deg., Boom Angle (deg.) 79.9 78.3 76.3 76.3	30 Pated Load (lbs) 9,060* 8,700* 8,420* 8,130*	Load Radius (ft) 45 50 55 60 65 70 75 80
Load Radius (ft) 45 55 60 65 70 75 80 85 90	1 Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3	30 f O set An O Reted Load (bs) 24,000* 24,000* 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800	t Jib gle (deg., Boom Angle (deg.) 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9	20,170* 19,370* 19,370* 18,690* 16,550 14,830 13,470 12,250 11,190	80.0 78.5 76.8 75.3 73.7 72.1 70.5 68.8 67.2 65.6	40 f O_set An O_set An O Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 16,180 14,520 13,180 12,010 10,970	it Jib gle (deg., Boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3 70.6 68.9	30 Rated Load (lbs) 14,920* 14,390* 13,910* 13,910* 13,420* 13,630* 12,630* 11,680	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5	50 1 O Set Ar 0 Pated Load (lbs) 20,000* 20,000* 20,000* 18,200 16,350 14,680 13,330 12,140	Ib agle (deg.) 3 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5	20 Pated Load (lbs) 11,330* 10,930* 10,930* 10,200* 9,870* 9,590*	79.1 77.1 76.3 74.9 73.4 71.9 70.5 69.0	601 O:set Ar. 10 Rated Load (lbs) 18,000* 17,700* 16,600* 15,650* 14,720* 13,420 12,230 11,190	ft Jib ogle (deg., 2 Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8	9,060* 8,700* 8,130* 8,130*	Load Radius (ft) 45 50 55 60 65 70 75 80 85 90
Load Radius (ft) 45 50 55 60 65 70 65 70 80 85 90 95	1 Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 68.5 68.8 65.1 63.3 61.4	30 f O_set An O Rated Load (lbs) 24,000* 24,000* 24,000* 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830	t Jb gle (deg., Boom Angle (deg.) 79.9 78.1 76.4 74.8 73.1 71.2 69.5 67.7 65.9 63.9	30 Pated Load (lbs) 20,170* 19,370* 18,690* 18,070* 16,550 14,830 13,470 13,470 11,190 10,180	1 Boom Angle (deg.) 80.0 78.5 76.8 75.3 73.7 72.1 70.5 68.8 67.2 65.6 63.8	40 f O_set An O_set An O Rated Load (lbs) 24,000* 18,030 14,520 13,180 10,970 10	t Jb gle (deg., boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1	J 30 Rated Load (lbs) 14,920* 14,390* 13,910* 13,420* 13,000* 12,630* 11,680 10,670	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8	501 O □set Ar () Pated Load (lbs) 20,000* 20,000* 20,000* 18,200 16,350 14,680 13,330 12,140 11,110 10,110	Ib agle (deg.) 3 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8	20 Pated Load (lbs) 10,530* 10,200* 9,870* 9,590* 9,300*	79.1 77.1 77.7 76.3 74.9 73.4 71.9 73.4 71.9 70.5 69.0 67.4	601 O:set Ar 10 Pated Load (lbs) 18,000* 17,700* 15,650* 14,720* 13,420 12,230 11,190 10,200	ft Jib ogle (deg., Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 72.2	9,060* 8,700* 8,700* 8,420* 8,130* 7,890* 7,620*	Load Radius (ft) 45 50 55 60 65 70 75 80 85 90 95
Load Radius (ft) 45 55 60 55 60 75 80 85 90 95 100	1 Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 61.4 59.6	30 f O_set An O Rated Load (lbs) 24,000* 24,000* 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830 9,010	t Jb gle (deg., Boom Angle (deg.) 79.9 78.1 76.4 74.8 73.1 76.4 74.8 73.1 76.4 74.8 73.1 76.4 74.8 73.1 76.4 74.8 73.1 76.4 74.8 73.1 76.4 74.8 73.1 76.4 75.2 76.5 76.5 76.5 76.5 76.5 76.5 76.5 76.5	30 Pated Load (lbs) 20,170* 19,370* 18,690* 18,070* 16,550 14,830 13,470 13,470 12,250 11,190 10,180 9,340	1 Boom Angle (deg.) 80.0 78.5 76.8 75.3 73.7 72.1 70.5 68.8 67.2 65.6 63.8 62.1 65.6 63.8	40 f O_set An O_set An O Rated Load (lbs) 24,000* 24,000* 24,000* 22,810 20,190 18,030 16,180 14,520 13,180 12,010 10,970 10,000 9,190	t Jb gle (deg., bom Angle (deg.) 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3	J 30 Rated Load (lbs) 14,920* 14,390* 13,910* 13,900* 13,000* 12,630* 10,670 9,810	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2	501 O □set Ar () Pated Load (lbs) 20,000* 20,000* 20,000* 18,200 16,350 14,680 13,330 12,140 11,110 10,110 9,300	It Jib agle (deg.) 3 Boom Angle (deg.) 3 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 68.2 5	20 Pated Load (lbs) 11,330* 10,530* 10,530* 10,200* 9,870* 9,590* 9,300* 9,000*	79.1 77.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9	601 O Set Ar 10 Pated Load (lbs) 18,000* 17,700* 15,650* 14,720* 13,420 13,420 13,220 13,220 13,230 11,190 10,200 9,390 9,595	ft Jib ogle (deg., Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 72.2 70.6 60	9,060* 8,700* 8,420* 8,130* 7,890* 7,620* 7,400*	Load Radius (ft) 45 50 55 60 65 70 75 80 85 90 95 100
Load Padius (ft) 45 50 55 60 65 70 75 80 85 90 95 100 105	1 Boom Angle (deg.) 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	30 f O set An O Rated Load (lbs) 24,000* 24,000* 24,000* 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830 9,810 8,310 7,640	t Jb gle (deg., Boom Angle (deg.) 79.9 78.1 76.4 73.1 76.4 73.1 76.4 73.1 76.5 69.5 67.7 65.9 63.9 62.1 60.2 58.2	20,170* 19,370* 19,370* 18,690* 18,690* 16,550 14,830 13,470 12,250 11,190 10,180 9,340 8,590 7,910	1 Boom Angle (deg.) 80.0 78.5 76.8 75.3 73.7 72.1 70.5 68.8 67.2 65.6 63.8 62.1 60.4 58.6	40 f O_set An O_set An O Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 18,030 16,180 14,520 13,180 12,010 10,970 10,000 9,190 8,460 7,800	t Jb gle (deg., Boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61 7	Ated Load (lbs) 14,920* 14,390* 13,910* 13,000* 12,630* 11,680 10,670 9,810 9,810 9,030 8,330	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60 9	501 O □set Ar O Pated Load (lbs) 20,000* 20,000* 20,000* 16,350 14,680 13,330 12,140 11,110 10,110 9,300 8,570 7,910	It Jib ngle (deg.) 3 Boom Angle (deg.) 3 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8	20 20 20 20 20 20 20 20 20 20	79.1 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 64.4 62.9	601 ○ set Ar 10 Pated Load (lbs) 18,000* 17,700* 16,600* 15,650* 13,420 12,230 11,190 10,200 9,390 8,640 7 980	rf. Jib ogle (deg., Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 75.3 73.8 72.2 70.6 69.1 67.5	9,060* 8,700* 8,420* 8,130* 7,890* 7,620* 7,200* 7,200* 7,200*	45 50 55 60 75 80 85 90 95 100 105
Load Radius (ft) 45 50 55 60 65 70 65 70 65 70 85 90 95 100 105 110 115	1 Boom Angle (deg.) 78.6 77.0 75.3 73.6 72.0 70.3 68.5 66.8 65.1 63.3 61.4 59.6 51.7 55.8 53.7	30 f O set An O Reted Load (lbs) 24,000* 24,000* 24,000* 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830 9,010 8,310 7,640 7,030	t Jb gle (deg., Boom Angle (deg.) 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 56.1	20,170* 19,370* 19,370* 18,690* 18,690* 16,550 14,830 13,470 12,250 11,190 10,180 9,340 8,590 7,910 7,270	1 Boom Angle (deg.) 80.0 78.5 76.8 75.3 73.7 72.1 70.5 68.8 67.2 65.6 63.8 62.1 60.4 58.6 56.7	40 f O_set An O_set An O Rated Load (lbs) 24,000*	t Jib gle (deg., Boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7	Ated Load (lbs) 14,920* 14,390* 13,910* 13,420* 13,000* 12,630* 11,680 10,670 9,810 9,810 9,030 8,330 7,670	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1	501 ○ [set Ar 0 Pated Load (lbs) 20,000* 20,000* 20,000* 18,200 16,350 14,680 13,330 12,140 11,110 10,110 9,300 8,570 7,910 7,270	Jib ngle (deg.) 3 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	20 20 20 20 20 20 20 20 20 20	79.1 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	601 O_set Ar 10 Pated Load (lbs) 18,000* 17,700* 16,600* 15,650* 14,720* 13,420 12,230 11,190 10,200 9,390 8,640 7,380 7,340	rf. Jib gle (deg., Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7	9,060* 8,700* 8,700* 8,130* 7,890* 7,620* 7,200* 7,200* 7,200* 7,200*	Load Radius (ft) 455 50 55 60 65 55 60 65 70 75 80 85 90 95 90 95 100 105 110
Load Padius (ft) 45 50 55 60 65 70 75 80 85 90 85 90 105 110 115 120	1 Boom Angle (deg.) 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 53.7 51.7	30 f O set An O Reted Load (bs) 24,000* 24,000* 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,010 8,310 7,640 7,030 6,500	t Jib gle (deg., Boom Angle (deg.) 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 56.1 54.0	20,170* 19,370* 18,690* 18,690* 18,690* 16,550 14,830 13,470 12,250 11,190 10,180 9,340 8,590 7,910 7,270 6,700	2007 2017 2017 2017 2017 2017 2017 2017	40 f O set An O set An O Rated Load (lbs) 24,000* 24,000* 24,000* 22,810 20,190 16,180 14,520 13,180 12,010 10,970 10,000 9,190 8,460 7,160 6,610	t Jib gle (deg., Boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7 59.7 57.8	J 30 Rated Load (lbs) 14,920* 13,910* 13,910* 13,420* 13,000* 12,630* 10,670 9,810 9,030 8,330 7,670 7,090	79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4	501 ○ [set Ar 0 Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 18,200 16,350 14,680 13,330 12,140 11,110 9,3070 7,910 7,270 6,720	Jib ogle (deg.) 3 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2	20 20 20 Pated Load (lbs) 10,530* 10,530* 10,530* 9,590* 9,590* 9,590* 9,300* 9,500* 8,810* 8,570 7,890 7,290	79.1 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 64.9 65.9 64.2 59.6	601 O set Ar 10 Pated Load (lbs) 18,000* 17,700* 16,600* 14,720* 13,420 14,720* 13,420 14,220* 14,220* 14,20*	rt Jib gle (deg., Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 75.3 73.8 75.3 73.8 75.3 75.3 76.9,1 67.5 65.7 64.1	9,060* 8,700* 8,700* 8,420* 8,130* 7,890* 7,60* 7,400* 7,200* 6,830* 6,650*	Load Radius (ft) 455 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120
Load Padius (ft) 45 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125	1 Boom Angle (deg.) 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 53.7 51.7 51.7 49.6 47.5	30 f O set An O Rated Load (bs) 24,000* 24,000* 24,000* 24,000* 24,000* 19,920 17,790 14,300 12,980 11,810 10,800 9,830 9,010 9,830 9,010 7,640 7,030 6,500 5,990 5,990	t Jib gle (deg., Boom Angle (deg.) 79.9 78.1 76.4 73.1 71.2 69.5 67.7 65.9 63.9 62.1 63.9 62.1 58.2 56.1 54.0 51.8	20,170* 19,370* 18,690* 18,070* 16,550 13,470 12,250 11,190 10,180 9,340 9,340 7,910 7,270 6,700 6,190	2007 2017 2017 2017 2017 2017 2017 2017	40 f O set An O set An O Rated Load (lbs) 24,000*	t Jib gle (deg., Boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7 57.8 55.8	J 30 Rated Load (lbs) 14,920* 13,910* 13,920* 13,920* 13,420* 13,680 10,670 9,810 9,030 8,330 7,670 7,090 6,560	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 52.0	501 O set Ar 0 Pated Load (lbs) 20,000* 20,000* 20,000* 18,200 16,350 14,680 13,330 12,140 11,110 9,300 8,570 7,910 7,270 6,720 6,720 6,720 5,755	It Jib Ingle (deg.) 3 Boom Angle (deg.) 3 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2 59.3 57.5	20 Pated Load (lbs) 11,330* 10,930* 10,930* 10,930* 9,870* 9,590* 9,300* 8,810* 8,810* 8,810* 8,570 7,890 7,290 6,760 6,250	79.1 77.1 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 64.4 65.9 64.4 62.9 61.2 59.6 58.0 58.3	601 O _set Ar 10 Pated Load (lbs) 18,000* 17,700* 15,650* 14,720* 13,420 12,230 11,190 10,200 9,390 7,340 6,790 6,280 5,820	ft Jib ogle (deg.,) Boom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4	9,060* 8,700* 8,700* 8,420* 8,130* 7,890* 7,200* 7,200* 7,200* 7,200* 7,200* 6,830* 6,50* 6,50* 6,50*	Load Padius (ft) 45 50 55 60 65 55 60 65 55 60 65 70 75 80 85 90 95 100 105 110 115 120 22 22
Load Radius (ft) 45 55 60 65 70 75 80 85 90 95 100 105 110 115 120 135	1 Boom Angle (deg.) 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 53.7 51.7 49.6 47.5 45.3	30 f O set An O Rated Load (bs) 24,000* 24,000* 24,000* 24,000* 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830 9,010 8,310 7,640 7,030 6,500 5,550	t Jib gle (deg., Boom Angle (deg.) 79.9 78.1 76.4 73.1 71.2 69.5 67.7 65.9 63.9 62.1 60.2 58.2 56.1 54.0 51.8	20,170* 19,370* 19,370* 18,670* 16,550 14,830 13,470 12,250 11,190 10,180 9,340 9,340 9,340 7,270 6,700 6,190	1 Boom Angle (deg.) 80.0 78.5 76.8 75.3 73.7 72.1 70.5 68.8 67.2 65.6 63.8 62.1 60.4 58.6 55.7 54.8 52.9 51.0 49.0	40 f 0_set An 0_set An 10 Rated Load (lbs) 24,000*	it Jb gle (deg., gle (deg., Boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7 57.8 55.8 53.8	J 30 Rated Load (lbs) 14,920* 14,390* 13,910* 13,420* 13,420* 13,630* 10,670 9,810 9,030 8,330 7,670 7,090 6,560 6,080	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 52.0	501 O set Ar 0 Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 18,200 16,350 14,680 13,330 12,140 10,110 9,300 8,570 7,910 7,270 6,720 6,210 5,330	It Jib ogle (deg.) 3 Bom Angle (deg.) 3 Provide the second	20 Pated Load (lbs) 11,330* 10,930* 10,930* 10,530* 10,200* 9,870* 9,590* 9,590* 9,590* 8,810* 8,810* 8,570 7,890 7,890 7,890 6,760 6,280 5,820	79.1 77.1 77.7 76.3 74.9 73.4 71.9 73.4 71.9 69.0 67.4 65.9 64.4 65.9 64.4 65.9 64.4 65.9 64.2 59.6 58.0 56.3 54.6	601 O set Ar. 10 Rated Load (lbs) 18,000* 17,700* 16,600* 15,650* 14,720* 13,420 12,230 11,190 10,200 9,390 8,640 7,980 7,340 6,280 5,820 5,400	ft Jib ogle (deg.,) gle (deg.,) Boom Angle (deg.) 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	9,060* 8,700* 8,700* 8,420* 7,890* 7,620* 7,400* 7,200* 7,200* 7,400* 6,630* 6,500* 6,507* 6,370*	Load Radius (ft) 45 50 55 60 65 70 75 80 85 80 85 80 90 95 100 105 110 115 120 125 130
Load Padius (ft) 45 55 60 65 70 75 80 95 100 105 110 115 120 125 130 135 140	1 Boom Angle (deg.) 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 53.7 55.8 53.7 51.7 49.6 47.5 45.3 42.8	30 f O set An O Rated Load (bs) 24,000* 24,000* 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830 9,910 8,310 7,640 7,030 6,590 5,550 5,150 4,730	t Jb gle (deg., Boom Angle (deg.) 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 56.1 54.0 51.8	30 Pated Load (lbs) 20,170* 19,370* 18,690* 18,670* 16,550 14,830 13,470 13,470 11,190 10,180 9,340 8,590 7,910 7,970 6,700 6,190	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	40 f O_set An O_set An O_set An O Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 22,810 20,190 18,030 16,180 14,520 13,180 12,010 10,970 10,000 9,190 8,460 7,800 7,160 6,610 6,610 6,120 5,660 5,260 4,850	rt Jb gle (deg., boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7 57.8 55.8 55.8	J Bated Load (lbs) 14,920* 14,390* 13,910* 13,900* 13,420* 13,630* 10,670 9,810 9,030 8,330 7,670 7,090 6,560 6,080	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 52.0 50.0	501 O □set Ar 0 Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 18,200 16,350 14,680 13,330 14,680 13,330 12,140 11,110 10,110 9,300 8,570 7,910 7,910 7,910 5,750 5,330 4,930	It Jib ogle (deg.) 3 bom Angle (deg.) 3 Provide the second	20 Pated Load (lbs) 11,330* 10,930* 10,930* 10,200* 9,870* 9,590* 9,590* 9,300* 9,590* 9,300* 9,60* 8,810* 8,570 7,290 6,760 6,280 5,820 5,820 5,850	79.1 77.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 64.4 65.9 64.4 65.9 64.4 65.9 64.4 65.9 64.4 65.9 64.4 65.9 64.4 65.9 64.4 65.9 64.4 65.9 64.4 65.9 64.4 65.9 64.4 65.9 64.4 65.9 65.0 58.0 54.6 52.8	601 O:set Ar 10 Pated Load (lbs) 18,000* 17,700* 15,650* 14,720* 13,420 14,720* 13,420 11,190 10,200 9,390 8,640 7,340 6,790 6,280 5,820 5,400 4,980	ft Jib ogle (deg., org.) 3 Boom Angle (deg.) 3 79.9 78.3 76.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4 60.7 58.9 57.0 57.0	9,060* 8,700* 8,700* 8,420* 8,130* 7,620* 7,400* 7,200* 7,200* 6,830* 6,650* 6,370* 5,970 5,530	Load Radius (ft) 45 50 55 60 65 70 75 80 85 80 90 95 100 105 110 115 120 125 130 135 140
Load Padius (ft) 45 55 60 65 70 75 80 95 100 105 110 105 110 125 130 135 140 145	1 Boom Angle (deg.) 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 53.7 51.7 49.6 47.5 45.3 42.8 40.3 27.0	30 f O set An O Rated Load (bs) 24,000* 24,000* 24,000* 22,530 19,920 15,960 14,300 12,980 11,810 10,800 9,8310 7,640 7,640 7,640 7,640 7,640 5,550 5,150 4,730 4,320	t Jb gle (deg., Boom Angle (deg.) 79.9 78.1 76.4 74.8 73.1 76.4 74.8 73.1 76.4 74.8 73.1 76.4 74.8 73.1 76.4 75.9 63.9 63.9 63.9 63.9 63.9 62.1 60.2 58.2 56.1 54.0 51.8	30 Pated Load (lbs) 20,170* 19,370* 18,690* 18,670* 16,550 14,830 13,470 13,470 13,470 10,180 9,340 8,590 7,910 7,270 6,700 6,190	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	40 f O_set An O_set An O_set An O Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 22,810 20,190 18,030 16,180 14,520 13,180 12,010 10,970 10,000 9,190 8,460 7,800 7,160 6,610 6,610 5,260 4,850 4,450 4,505 4,555 4,555 4,555 4,555 4,555 4,555 4,555 4,555 4,555 4,555 4,555 4,555 4,555 4,555 4,555 4,555 4,555 4,555 5,560 5,26	rt Jb gle (deg., boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7 57.8 55.8 55.8 53.8	J 30 Rated Load (lbs) 14,920* 14,390* 13,910* 13,910* 13,000* 12,630* 10,670 9,810 9,030 8,330 7,670 7,090 6,560 6,080	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 52.0 50.0 48.1 46.4	501 O □set Ar 0 Pated Load (lbs) 20,000* 20,000* 20,000* 18,200 16,350 14,680 13,330 12,140 11,110 10,110 9,300 8,570 7,910 7,270 6,720 6,210 5,750 5,330 4,930 4,930 4,560	It Jib agle (deg.) 3 bom Angle (deg.) 3 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2 59.3 57.5 55.6 53.4	20 Pated Load (lbs) 11,330* 10,530* 10,530* 10,200* 9,870* 9,590* 9,300* 9,870* 9,300* 9,660* 8,810* 8,810* 8,810* 8,810* 6,760 6,760 6,280 5,820 5,850	79.1 77.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 61.2 59.6 58.0 51.2 59.6 58.0 54.6 58.0 54.6 52.8 51.0 54.6 52.8	601 O:set Ar 10 Pated Load (lbs) 18,000* 17,700* 15,650* 14,720* 13,420 14,720* 13,420 14,720* 13,420 1,190 10,200 9,390 8,640 7,980 7,980 7,980 7,980 5,820 5,400 4,980 4,920	79.9 79.9 79.9 78.3 76.8 75.3 73.8 75.3 73.8 75.3 73.8 75.3 73.8 75.3 75.3 65.7 64.1 65.7 64.1 62.4 60.7 58.9 57.0 55.7	9,060* 8,700* 8,700* 8,420* 8,130* 7,890* 7,620* 7,400* 7,200* 7,200* 6,830* 6,500*	Load Radius (ft) 45 50 55 60 65 50 65 70 75 80 80 90 95 100 105 110 115 125 130 135 140 135
Load Padius (ft) 45 55 60 65 70 75 80 95 100 105 110 105 110 125 130 135 140 145 155	1 Boom Angle (deg.) 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 53.7 51.7 49.6 47.5 49.6 47.5 45.3 42.8 40.3 37.8 35.0	30 f O set An O Reted Load (lbs) 24,000* 24,000* 24,000* 22,530 19,920 17,790 15,960 12,980 11,810 10,800 9,830 9,830 9,830 9,830 9,830 5,990 5,550 5,150 4,730 4,320 3,940 3,590	t Jb gle (deg., Boom Angle (deg.) 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 56.1 54.0 51.8	20,170* 19,370* 18,690* 18,690* 16,550 14,830 13,470 13,470 13,470 13,470 13,470 13,470 13,470 13,470 6,790 6,790 6,190	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	40 f O_set An O_set An O_set An O Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 20,190 18,030 16,180 14,520 13,180 12,010 10,000 9,190 8,460 7,160 6,610 6,120 5,660 5,260 4,850 4,450 4,050 3,700	t Jb gle (deg., boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7 57.8 55.8 53.8	Ated Load (lbs) 14,920* 14,390* 13,910* 13,910* 13,910* 13,910* 13,000* 13,000* 12,630* 11,680 10,670 9,810 9,030 8,330 7,670 7,090 6,560 6,080	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 52.0 50.0 48.1 43.9	501 O □set Ar 0 Pated Load (lbs) 20,000* 20,000* 20,000* 18,200 16,350 14,680 13,330 12,140 11,110 10,110 9,300 8,570 7,910 6,720 6,210 5,750 5,330 4,930 4,560 4,160 3,790	ft Jib ngle (deg.) 3 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2 59.3 57.5 55.6 53.4	20 Pated Load (lbs) 11,330* 10,930* 10,530* 10,200* 9,870* 9,870* 9,870* 9,870* 9,800* 8,810* 8,570 7,290 6,760 6,780 5,820 5,350	79.1 77.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 61.2 59.6 58.0 56.3 54.6 52.8 51.6 52.8 51.6 52.8	601 ○ set Ar 10 Pated Load (lbs) 18,000* 17,700* 16,600* 13,420 13,420 13,420 13,420 13,420 13,420 13,420 13,420 13,420 13,420 13,420 5,600* 13,420 5,820 5,820 5,400 4,980 4,620 4,230 3,850	Ft Jib gle (deg., bom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4 60.7 58.9 57.0 55.1 53.1	9,060* 8,700* 8,700* 8,420* 8,130* 7,890* 7,620* 7,200* 7,200* 7,200* 6,530* 6,500*	Load Radius (ft) 45 50 55 60 65 70 75 80 80 95 100 105 110 105 110 125 130 135 140 135 155
Load Padius (ft) 45 55 60 65 70 75 80 85 90 95 100 105 110 105 110 115 120 135 130 135 140 145 155 160	1 Boom Angle (deg.) 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 53.7 51.7 49.6 47.5 45.3 42.8 40.3 37.8 35.0 31.8	30 f O set An O Reted Load (lbs) 24,000* 24,000* 24,000* 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830 9,830 9,830 9,830 9,830 5,550 5,550 5,150 4,320 3,940 3,590 3,260	t Jib gle (deg., Boom Angle (deg.) 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 56.1 54.0 51.8	20,170* 19,370* 19,370* 18,690* 18,690* 16,550 14,830 13,470 13,470 13,470 13,470 13,470 13,470 10,180 9,340 8,590 7,910 7,270 6,700 6,190	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	40 f O_set An O_set An 0 Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 18,030 16,180 14,520 13,180 12,010 10,970 10,000 9,190 8,460 7,800 7,800 7,160 6,610 6,120 5,260 4,850 4,450 4,450 3,700 3,350	t Jib gle (deg., Boom Angle (deg.) 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7 57.8 55.8 53.8	Atted Load (lbs) 14,920* 14,390* 13,910* 13,420* 13,000* 12,630* 11,680 10,670 9,810 9,810 9,030 8,330 7,670 7,090 6,560 6,080	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 52.0 50.0 50.0 48.1 46.1 43.9 41.6	501 O □set Ar 0 Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 18,200 16,350 14,680 13,330 12,140 11,110 10,110 9,300 8,570 7,910 6,210 5,750 5,330 4,930 4,930 4,160 3,790 3,430	ft Jib ngle (deg.) Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2 59.3 57.5 55.6 53.4	20 Rated Load (lbs) 11,330* 10,930* 10,530* 10,200* 9,870* 9,590* 9,300* 9,500* 9,5	79.1 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 67.4 65.9 61.2 59.6 58.0 56.3 54.6 58.0 56.3 54.6 51.0 49.2 47.3 45.2	601 ○ set Ar 10 Pated Load (lbs) 18,000* 17,700* 16,600* 15,650* 14,720* 13,420 12,230 11,190 10,200 9,390 8,640 7,980 1,340 6,790 6,280 5,820 5,400 4,620 5,400 4,623 3,850 3,850 3,880	Terref Jb regie (deg., bom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4 60.7 58.9 57.0 55.1 53.1	9,060* 8,700* 8,700* 8,420* 8,130* 7,890* 7,200* 7,200* 7,200* 6,830* 6,500* 6,500* 6,500* 6,500* 6,500* 5,970 5,970 5,130 4,760	Load Radius (ft) 455 50 55 60 65 50 60 65 70 80 85 90 95 100 105 110 115 120 125 130 135 140 145 155 160
Load Radius (ft) 45 50 55 60 65 70 75 80 85 90 95 100 105 100 115 120 135 140 135 140 155 160 160 155 160 160 165 160 165 160 165 165 165 165 165 165 165 165 165 165	1 Boom Angle (deg.) 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 53.7 51.7 49.6 47.5 45.3 42.8 40.3 37.8 35.0 31.8	30 f O set An O Reted Load (bs) 24,000* 24,000* 22,530 19,920 17,790 15,960 14,300 12,980 11,810 10,800 9,830 9,830 9,830 9,830 9,830 9,830 5,550 5,550 5,550 5,550 5,550 5,550 5,550 5,550 5,550 5,550 3,940 3,590 3,260	t Jib gle (deg., Boom Angle (deg.) 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 56.1 54.0 51.8	20,170* 19,370* 19,370* 18,690* 18,690* 16,550 14,830 13,470 12,250 11,190 10,180 9,540 7,910 7,270 6,700 6,190	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	40 f O_set An O_set An () Rated Load (lbs) 24,000*	t Jib gle (deg., Boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 61.7 59.7 57.8 55.8 55.8 53.8	Ated Load (lbs) 14,920* 14,390* 13,910* 13,420* 13,000* 12,630* 11,680 10,670 9,810 9,810 9,810 9,810 9,670 7,090 6,560 6,080	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 52.0 50.0 48.1 46.1 43.9 41.6 39.3 20.5 39.5 39.5 39.5 41.5 43.9 41.6 39.3 30.5 41	501 ○ [set Ar 0 Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 18,200 16,350 13,330 12,140 11,110 10,110 9,500 8,570 6,210 5,750 5,750 5,750 5,750 5,750 5,750 3,430 3,100 3,100	ft Jib ngle (deg.) 3 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2 59.3 57.5 55.6 53.4	20 Rated Load (lbs) 11,330* 10,530* 10,530* 10,200* 9,870* 9,590* 9,590* 9,300* 9,500 1,500* 1,50	79.1 79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 64.2 59.6 58.0 56.3 54.6 58.0 56.3 54.6 52.8 51.0 49.2 47.3 45.2 47.3	601 O_set Ar 10 Pated Load (lbs) 18,000* 17,700* 16,600* 15,650* 14,720* 13,420 12,230 11,190 10,200 9,390 8,640 1,980 7,380 7,340 6,790 6,280 5,820 5,820 5,820 5,820 5,820 5,820 3,850 3,850 3,850 3,850 3,170	ft Jib gle (deg., bom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4 60.7 58.9 57.0 55.1 53.1	9,060* 8,700* 8,700* 8,700* 8,420* 7,890* 7,890* 7,200* 7,200* 7,200* 6,330* 6,550* 6,500*	Load Radius (ft) 455 50 55 60 65 55 60 65 55 60 65 70 75 80 85 90 95 90 95 100 105 110 115 120 125 130 145 155 160 155 5 160
Load Radius (ft) 45 50 55 60 65 70 85 90 95 100 105 100 115 120 135 130 135 145 155 160 165 175	1 Boom Angle (deg.) 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 53.7 51.7 49.6 47.5 45.3 42.8 40.3 37.8 35.0 31.8	30 f O set An O Reted Load (bs) 24,000* 24,000* 22,530 19,920 17,790 14,300 12,980 11,810 10,800 9,010 8,310 7,640 7,030 6,500 5,550 5,150 4,730 4,320 3,940 3,590 3,260	t Jib gle (deg., Boom Angle (deg.) 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 56.1 51.8	20,170* 19,370* 18,690* 18,690* 18,690* 16,550 14,830 13,470 12,250 11,190 10,180 9,340 8,590 7,910 7,270 6,700 6,190	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	40 f O_set An O_set An () Rated Load (lbs) 24,000* 24,000* 24,000* 24,000* 24,000* 24,000* 16,180 14,520 13,180 12,010 10,970 10,000 9,190 8,460 7,800 7,800 7,800 7,800 5,660 5,260 4,450 4,450 4,450 3,700 3,350 3,040	t Jib gle (deg., Boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 61.7 59.7 57.8 55.8 53.8	Ated Load (lbs) 14,920* 14,390* 13,910* 13,420* 13,910* 13,420* 13,630* 10,670 9,810 9,030 8,330 7,670 7,090 6,560 6,080	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 52.0 50.0 50.0 50.0 50.0 50.0 48.1 46.1 43.9 41.6 39.3 36.8 34.2	501 O [set Ar 0 Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 18,200 16,350 14,680 13,330 12,140 11,110 10,110 9,300 8,570 6,210 5,750 5,750 5,750 5,750 5,750 4,930 4,560 4,560 4,160 3,790 3,430 3,100 2,550	ft Jib Ingle (deg.) 3 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2 59.3 57.5 55.6 53.4	20 20 Pated Load (lbs) 10,530* 10,530* 10,530* 9,590* 9,590* 9,590* 9,590* 9,590* 9,590* 9,590* 9,590* 9,590* 9,590* 5,50* 5,820 5,820 5,820	79.1 77.1 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 58.0 56.3 54.6 58.0 56.3 54.6 58.0 56.3 54.6 52.8 51.0 49.2 47.3 45.2 43.1 41.0 38.7	601 O set Ar 10 Pated Load (lbs) 18,000* 17,700* 16,600* 17,700* 15,650* 14,720* 13,420 12,230 11,190 10,200 9,390 8,640 7,980 7,380 7,380 7,380 5,820 5,820 5,820 5,820 5,820 5,820 5,820 5,820 5,820 3,850 3,850 3,850 3,480 3,170 2,860	ft Jib gle (deg., bom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4 60.7 58.9 57.0 55.1 53.1	9,060* 8,700* 8,700* 8,420* 8,130* 7,890* 7,620* 7,200* 7,010* 6,830* 6,500* 6,500* 6,500* 6,500* 6,500* 5,530 5,130 4,760	Load Radius (ft) 455 50 55 60 65 55 60 65 70 75 80 85 90 95 100 105 110 115 125 130 145 145 145 145 145 155 160 165 175
Load Radius (ft) 45 55 60 65 70 75 80 85 90 105 100 105 110 115 120 135 130 145 155 160 155 160 155 160 155 170 125	1 Boom Angle (deg.) 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 53.7 51.7 51.7 49.6 47.5 45.3 42.8 40.3 37.8 35.0 31.8	30 f O set An 0 Reted Load (bs) 24,000* 24,000* 24,000* 24,000* 24,000* 19,920 17,790 14,300 12,980 11,810 10,800 9,830 9,010 0,830 9,010 5,950 5,150 5,150 5,150 5,150 3,260 3,260	t Jib gle (deg., Boom Angle (deg.) 79.9 78.1 76.4 74.8 74.8 73.1 71.2 69.5 67.7 65.9 63.9 62.1 60.2 58.2 56.1 51.8	20,170* 19,370* 18,690* 18,690* 18,670* 16,550 11,190 10,180 9,340 9,340 7,910 7,270 6,700 6,190	2007 Angle (deg.) 80.0 78.5 76.8 75.3 73.7 72.1 70.5 68.8 67.2 65.6 63.8 67.2 65.6 63.8 62.1 60.4 58.6 56.7 54.8 52.9 51.0 49.0 46.7 44.6 42.3 39.9 37.3 34.6	40 f O set An () Rated Load (bs) 24,000* 2	t Jib gle (deg., Boom Angle (deg.) 78.9 77.3 75.7 73.9 72.3 70.6 68.9 67.1 65.3 63.5 61.7 59.7 57.8 55.8 53.8	J Rated Load (lbs) 14,920* 14,3910* 13,910* 13,420* 13,000* 12,630* 10,670 9,810 9,030 8,330 7,670 7,090 6,560 6,080	1 Boom Angle (deg.) 79.6 78.1 76.6 75.1 73.7 72.1 70.5 69.0 67.5 65.8 64.2 62.6 60.9 59.1 57.4 55.7 53.9 52.0 48.1 43.9 41.6 39.3 36.8 34.2 2	501 ○ [set Ar 0 Pated Load (lbs) 20,000* 20,000* 20,000* 20,000* 18,200 16,350 14,680 13,330 12,140 11,110 9,300 12,140 11,110 9,300 7,910 7,270 6,210 5,330 4,930 4,560 4,930 4,560 4,930 3,790 3,790 3,790 3,430 3,100 2,820 2,550 2,550 5,350 3,430 3,100 2,820 2,550 2,550 1,530 1,550 1,530 1,550 1,530 1,530 1,500 1,530 1,500 1,5	ft Jib Ingle (deg.) 3 Boom Angle (deg.) 79.4 77.9 76.3 74.7 73.1 71.5 69.8 68.2 66.5 64.8 62.9 61.2 59.3 57.5 55.6 53.4	20 20 Pated Load (lbs) 11,330* 10,930* 10,530* 10,530* 9,590* 9,590* 9,590* 9,590* 8,810* 8,570 7,890 7,290 6,760 6,280 5,820 5,820 5,350	79.1 77.7 76.3 74.9 73.4 71.9 70.5 69.0 67.4 65.9 61.2 59.6 58.0 56.3 54.6 52.8 51.0 49.2 47.3 45.2 47.3 45.2 47.3 45.2 43.1 41.0 38.7	601 O set Ar 10 Pated Load (lbs) 18,000* 17,700* 15,650* 13,420 14,720* 13,420 12,230 11,190 10,200 9,390 7,340 6,790 6,280 5,820 5,400 4,980 4,620 4,980 3,850 3,850 3,170 2,860 2,600 2,600 2,600	ft Jib gle (deg., bom Angle (deg.) 79.9 78.3 76.8 75.3 73.8 75.3 73.8 72.2 70.6 69.1 67.5 65.7 64.1 62.4 60.7 58.9 57.0 55.1 53.1	9,060* 8,700* 8,700* 8,420* 8,130* 7,890* 7,60* 7,200* 7,200* 7,200* 6,530* 6,550* 6,500* 6,500* 6,500* 6,530 5,530 5,130 4,760	Load Padius (ft) 455 50 555 60 655 70 65 70 75 80 85 90 95 100 105 100 115 120 125 130 135 140 145 155 160 145 57 170 175 5 80 80 85 90 95 90 95 90 95 90 95 90 95 100 105 100 100 115 100 115 100 115 100 115 100 115 100 115 100 115 100 115 100 115 100 115 100 115 100 115 100 115 100 100

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

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

Fixed Jib Lift Capacity

Full Counterweight: 57,590 lbs Carbody Weight: 14,340

	160' E	Boom															
		30 f	it Ji b			401	ft Ji b			50 1	ft Ji b			60 1	ft Ji b		
Load		O⊡set An	gle (deg.)			O⊡set An	igle (deg.))		O⊡set Ar	ngle (deg.))		O⊡set An	ngle (deg.)	1	Load
(ft)	1 Poom Anglo	Deted Lood	Boom Anglo	Botad Load	1 Poom Anglo	0 Detad Load	Boom Anglo	Botad Load	1 Poom Anglo	Detad Load	Boom Anglo	Botad Load	1 Poom Anglo	0 Poted Load	Boom Anglo	Botad Load	(ft)
	(deg.)	(lbs)	(deg.)	(lbs)	(deg.)	(lbs)	(deg.)	(lbs)	(deg.)	(lbs)	(deg.)	(lbs)	(deg.)	(lbs)	(deg.)	(lbs)	
45	79.2	24,000*									,		,				45
50	77.7	24,000*	70.0	10 (10*	79.0	22,830*			70.7	20.000*			70.0	10.000*			50
55 60	76.1 74.5	22,350 19.750	78.8 77.2	19,640^ 18.950 *	77.5 76.0	22,000^ 20.030	79.5	15.120*	78.7 77.3	20,000 [^] 19.200*			79.6 78.3	17.800 *			60
65	73.0	17,590	75.6	18,290	74.6	17,850	78.0	14,590*	75.9	18,030	80.0	11,440*	76.9	17,060*			65
70	71.4	15,760	74.0	16,400	73.1	16,000	76.4	14,100*	74.5	16,180	78.5	11,060 *	75.6	16,090 *	79.0	0.010*	70
75 80	69.7 68.1	14,100 12.780	72.3 70.7	14,680 13.290	71.5 70.0	14,320 12.980	74.8 73.2	13,640 ^{**} 13,220 *	72.9 71.5	13,130	77.0 75.5	10,870*	74.2 72.8	13,240	78.9	8,530*	80
85	66.5	11,610	69.0	12,080	68.4	11,810	71.7	12,630	70.1	11,940	74.0	10,030*	71.4	12,050	76.1	8,240*	85
90	64.8	10,580	65.5	11,020	66.9	10,780	70.1	11,530	68.6	10,910	72.5	9,740*	70.0	11,000	74.6	8,000*	90
100	61.3	8,810	63.8	9,170	63.6	8,970	66.7	9,650	65.5	9,100	69.3	9,210*	67.1	9,190	71.6	7,530*	100
105	59.6	8,090	62.0	8,420	62.0	8,240	65.1	8,880	64.0	8,370	67.8	8,970*	65.7	8,440	70.2	7,310*	105
110	57.9	7,450 6,810	60.2	7,730	60.4 58.6	7,580 6 940	63.4 61.5	8,170 7 490	62.5 60.8	7,690	66.2 64 5	8,420 7,730	64.2 62.7	7,780	68.7 67.0	7,140 *	110 115
120	54.1	6,280	56.3	6,520	56.9	6,410	59.8	6,920	59.2	6,500	62.8	7,140	61.2	6,590	65.5	6,790*	120
125	52.2	5,770	54.4	5,990	55.1	5,900	58.0	6,390	57.6	6,010	61.1	6,610	59.7	6,080	63.9	6,610*	125
1 30 135	50.3 48.2	5,330 4,890	52.4	5,530	53.3	5,440 5.020	56.1	5,900	55.9	5 ,130	59.4 57.6	5 ,640	56.5	5,020	60.7	5,820	130 135
140	46.0	4,400			49.5	4,560	52.1	5,000	52.4	4,670	55.7	5,200	54.8	4,760	58.9	5,350	140
145	43.9	4,010			47.5	4,140			50.6	4,250	53.8	4,800	53.2	4,320	57.1	4,960	145
150	39.3	3,260			43.4	3,370			46.8	3,480	51.5	4,430	49.7	3,540	53.6	4,230	150
160	36.6	2,910			41.1	3,020			44.8	3,100			47.8	3,170	51.5	3,810	160
165 170	33.9	2,600			38.8	2,710			42.7	2,790			46.0	2,860 2,550			165
Reeves		2		2		2		1		2		1		2,000		1	Reeves
	170' 5				1						1						
		soom															
		500M 30f	t J ib			401	ft Ji b			50	ft Ji b			601	ft Ji b		
Load		SOOM 30 f O⊡set An	t Jib gle (deg.)	1		401 O⊡set An	ft Jib ngle (deg.))		50 i O⊡set Ar	ft Jib ngle (deg.))		601 O⊡set An	ft Ji b ngle (deg.))	Load
Load Radius (ft)	170 L	30 f 30 f O_set An 0	t Jib gle (deg.)	80	1	40 t O::set An	ft Jib ngle (deg.)) 30	1	50 i O_set Ar	ft Jib ngle (deg.)) 30	1	60 t O⊡set An O	ft Jib ngle (deg.)	30	Load Radius (ft)
Load Radius (ft)	1 Boom Angle	30 f 30 f O set An O Rated Load (lbs)	t Jib gle (deg.) 3 Boom Angle (deg.)	80 Rated Load (lbs)	1 Boom Angle (deg.)	40 t O set An O Rated Load (lbs)	ft Jib ngle (deg.) Boom Angle (deg.)) BO Rated Load (lbs)	1 Boom Angle (deg.)	50 n O set Ar O Rated Load (lbs)	ft Jib ngle (deg.) 3 Boom Angle (deg.)	BO Rated Load (lbs)	1 Boom Angle (deg.)	60 t O set An O Rated Load (lbs)	ft Jib ngle (deg.) 3 Boom Angle (deg.)	BO Rated Load (lbs)	Load Radius (ft)
Load Radius (ft)	1 Boom Angle (deg.)	30 f 30 f O set An O Pated Load (lbs) 23.360*	it Jib gle (deg.) 3 Boom Angle (deg.)	80 Pated Load (Ibs)	1 Boom Angle (deg.)	40 t O_set An O Rated Load (lbs)	ft Jib gle (deg.) Boom Angle (deg.)) BO Rated Load (Ibs)	1 Boom Angle (deg.)	50 ti O_set Ar O Rated Load (lbs)	ft Jib ngle (deg.) 3 Boom Angle (deg.)	30 Rated Load (lbs)	1 Boom Angle (deg.)	60 t O_set Ar O Rated Load (lbs)	ft Jib ngle (deg.) 3 Boom Angle (deg.)	30 Pated Load (Ibs)	Load Radius (ft)
Load Radius (ft) 45 50	1 Boom Angle (deg.) 79.8 78.3	30 f 30 f O_set An 0 Rated Load (lbs) 23,360* 23,360*	t Jib gle (deg.) Boom Angle (deg.)	30 Pated Load (Ibs)	1 Boom Angle (deg.)	40 t O_set An O Rated Load (lbs) 20,800*	ft Jib ngle (deg.) Boom Angle (deg.)	30 Rated Load (lbs)	1 Boom Angle (deg.)	50 i O set Ar O Rated Load (lbs)	ft Jib ngle (deg.) 3 Boom Angle (deg.)	30 Rated Load (lbs)	1 Boom Angle (deg.)	60 t O_set Ar O Rated Load (lbs)	ft Jib Ingle (deg.) Boom Angle (deg.)	30 Rated Load (Ibs)	Load Radius (ft) 45 50
Load Radius (ft) 45 50 55	1 Boom Angle (deg.) 79.8 78.3 76.8	30 f 30 f 0 set An 0 Pated Load (lbs) 23,360* 22,830* 22,830* 22,150	it Jib gle (deg.) 3 Boom Angle (deg.) 79.4	Pated Load (lbs)	1 Boom Angle (deg.) 79.6 78.1	40 t O set An O Pated Load (lbs) 20,800* 20,000*	ft Jib gle (deg.) Boom Angle (deg.)	30 Rated Load (lbs)	1 Boom Angle (deg.)	50 1 O set Ar O Rated Load (lbs) 18,500*	ft Jib gle (deg.) 3 Boom Angle (deg.)	30 Rated Load (lbs)	Boom Angle (deg.)	60 t O_set Arr O Pated Load (lbs)	ft Jib gle (deg.) 3 Boom Angle (deg.)	80 Rated Load (Ibs)	Load Radius (ft) 45 50 55
Load Radius (ft) 45 50 55 60 65	1 Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8	30 f 30 f 0 set An 0 Rated Load (lbs) 23,360* 22,830* 22,150 19,550 17,370	t Jib gle (deg.) Boom Angle (deg.) 79.4 77.9 76.4	0 Rated Load (lbs) 19,860* 19,220 * 18,120	79.6 78.1 75.3	40 t O_set An O Rated Load (lbs) 20,800* 20,000* 19,200* 17,630	ft Jib ogle (deg.) Boom Angle (deg.) 80.0 78.6	30 Rated Load (lbs) 15,290* 14.770*	1 Boom Angle (deg.) 79.2 77.9 76.5	50 1 O set Ar O Rated Load (lbs) 18,500* 17,800 * 17,100*	ft Jib ngle (deg.) Boom Angle (deg.)	80 Rated Load (lbs)	80.0 78.8 77.5	60 f O_set Ar O Rated Load (lbs) 17,000* 16,400* 15.800*	ft Jib ngle (deg.) Boom Angle (deg.)	BO Rated Load (lbs)	Load Radius (ft) 45 50 55 60 65
Load Radius (ft) 45 50 55 60 65 70	1 Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 73.8 72.4	30 f 30 f 0 set An 0 Rated Load (lbs) 23,360* 22,350 22,150 19,550 17,370 15,560	t Jib gle (deg.) Boom Angle (deg.) 79.4 77.9 76.4 74.9	0 Rated Load (lbs) 19,860* 19,220 * 18,120 16,220	79.6 78.1 75.3 73.9	40 1 O set An O Rated Load (lbs) 20,800* 20,000* 19,200* 17,630 15,800	t Jib gle (deg., Boom Angle (deg.) 80.0 78.6 77.1	30 Rated Load (lbs) 15,290* 14,770* 14,300*	79.2 77.9 76.5 75.2	50 1 0 set Ar 0 Rated Load (lbs) 18,500* 17,800* 17,100* 15,980	ft Jib ngle (deg.) Boom Angle (deg.) 79.1	30 Pated Load (lbs) 11,170*	80.0 78.8 77.5 76.2	60 1 O set Ar. O Rated Load (lbs) 17,000* 16,400* 15,800* 15,200*	ft Jib ngle (deg.) Boom Angle (deg.)	30 Pated Load (lbs)	Load Radius (ft) 45 50 65 60 65 70
Load Radius (ft) 45 50 55 60 65 70 75	1 Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 70.8	30 f 30 f 0 set An 0 Reted Load (bs) 23,360* 22,830* 22,150 19,550 17,370 15,560 13,880	t Jib gle (deg.) Boom Angle (deg.) 79.4 77.9 76.4 74.9 73.2 74.9	20 Rated Load (lbs) 19,860* 19,220* 18,120 16,220 14,500 14,500	79.6 78.1 75.3 73.9 72.4	40 1 O_set An O Rated Load (lbs) 20,800* 20,000* 19,200* 17,630 15,800 14,130 12,130	t Jib gle (deg., 800m Angle (deg.) 80.0 78.6 77.1 75.6	BO Fated Load (lbs) 15,290* 14,770* 14,300* 13,840* 12,10*	79.2 77.9 76.5 75.2 73.8 73.8	50 1 0 set Ar 0 Rated Load (lbs) 18,500* 17,800* 17,100* 15,980 14,280	ft Jib ng/le (deg.) 3 Boom Angle (deg.) 3 79.1 77.6	30 Pated Load (lbs) 11,170* 10,800*	80.0 78.8 77.5 76.2 74.9 72.0	60 1 O set An O Rated Load (lbs) 17,000* 16,400* 15,800* 13,980* 13,980*	ft Jib ngle (deg.) Boom Angle (deg.) 79.4	Rated Load (lbs) 8,900*	Load Radius (ft) 45 50 55 60 65 70 75
Load Radius (ft) 45 50 55 60 65 70 75 80 85	1 Boom Angle (deg.) 79.8 78.3 76.8 75.3 75.3 73.8 72.4 70.8 69.3 67.7	30 f 30 f 0 set An 0 Rated Load (lbs) 23,360* 22,150 19,550 17,370 15,560 13,880 12,560 11,390	t Jib gle (deg.) Boom Angle (deg.) 79.4 77.9 76.4 74.9 73.2 71.7 70.1	20 Rated Load (lbs) 19,860* 19,220* 18,120 16,220 14,500 13,090 11,880	79.6 78.1 75.3 73.9 72.4 71.0 69.5	40 1 O_set Arr O Rated Load (lbs) 20,800* 20,000* 19,200* 17,630 15,800 14,130 12,760 11,590	ft Jib gle (deg., Born Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6	30 Rated Load (lbs) 15,290* 14,770* 14,300* 13,420* 13,420* 13,420* 13,420*	79.2 77.9 76.5 75.2 73.8 72.4 71.0	50 1 O set Ar O Pated Load (lbs) 18,500* 17,800* 17,800* 17,100* 15,980 14,280 12,940 11,750	ft Jib ngle (deg.) Boom Angle (deg.) 79.1 77.6 76.2 74.8	30 Rated Load (lbs) 11,170* 10,800* 10,180*	80.0 78.8 77.5 76.2 73.6 72.3	60 1 O_set Arr. 0 Rated Load (lbs) 17,000* 16,400* 15,800* 15,200* 13,980* 13,980* 13,050	ft Jib ngle (deg.) Boom Angle (deg.) 79.4 78.1 76.7	8,900* 8,510* 8,510*	Load Radius (ft) 45 50 55 60 65 70 75 80 85
Load Radius (ft) 45 55 60 65 70 75 80 85 90	1 Boom Angle (deg.) 79.8 78.3 76.8 75.3 75.3 73.8 72.4 70.8 69.3 67.7 66.2	30 f 30 f 0 set An 0 Rated Load (lbs) 23,360* 22,830* 22,2150 19,550 17,370 15,560 13,880 12,560 11,390 10,360	t Jib gle (deg.) Boom Angle (deg.) 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6	0 Rated Load (lbs) 19,860* 19,220* 19,220* 18,120 16,220 14,500 13,090 11,880 10,820	79.6 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1	40 1 O_set Ar. 0 Rated Load (lbs) 20,800* 19,200* 17,630 15,800 14,130 12,760 11,590 10,560	t Jib gle (deg., 80m Angle (deg.) 880.0 78.6 77.1 75.6 74.1 72.6 71.1	30 Rated Load (lbs) 15,290* 14,770* 14,300* 13,840* 13,840* 13,420* 13,420* 13,420* 13,70	79.2 779.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6	50 1 0 set Ar 0 Pated Load (lbs) 18,500* 17,800* 17,100* 15,980 14,280 14,280 14,280 14,280 14,280 14,504 14,50	ft Jib ngle (deg.) Boom Angle (deg.) 79.1 77.6 76.2 74.8 73.4	30 Rated Load (lbs) 11,170* 10,800* 10,490* 10,180* 9,890*	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0	60 1 O_set Ar. 0 Rated Load (lbs) 17,000* 16,400* 15,800* 15,200* 13,980* 13,980* 13,050 11,860 10,800	ft Jib ngle (deg.) Boom Angle (deg.) 79.4 78.1 76.7 75.4	8,900* 8,900* 8,610* 8,350* 8,110*	Load Radius (ft) 45 50 55 60 65 70 75 80 85 90
Load Radius (ft) 45 55 60 65 70 75 80 85 90 95	1 Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 64.5	30 f 30 f 0 set An 0 Rated Load (lbs) 23,360* 22,830* 22,350 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 9,390	t Jib gle (deg.) Boom Angle (deg.) 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9	20 Rated Load (lbs) 19,860* 19,220* 18,120 16,220 14,500 13,090 11,880 10,820 9,810 2,227 1,810 1,880 1,80	79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5	40 1 O set An O Rated Load (lbs) 20,800* 20,000* 19,200* 17,630 15,800 14,130 12,760 11,590 10,560 9,560	t Jib gle (deg., bom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 72.6 71.1 69.5	30 Rated Load (lbs) 15,290* 14,770* 14,300* 13,840* 13,420* 13,420* 13,420* 11,370 10,330 2,570	79.2 779.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 2027	50 1 0 set Ar 0 Rated Load (lbs) 18,500* 17,800* 17,100* 15,980 14,280 12,940 11,750 10,690 9,720	ft Jib igle (deg.) 3 Boom Angle (deg.) 3 79.1 77.6 76.2 74.8 73.4 71.9 70.1 70.1	30 Pated Load (lbs) 11,170* 10,800* 10,490* 10,180* 9,890* 9,890*	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5	60 1 O set Ar. O Rated Load (lbs) 17,000* 16,400* 15,800* 15,800* 13,980* 13,980* 13,980* 13,980 11,860 10,800 9,810	ft Jib g/le (deg.) Boom Angle (deg.) 3 79.4 78.1 76.7 75.4 73.9 75.7	8,900* 8,900* 8,500* 8,610* 8,350* 8,110* 7,870* 7,870*	Load Radius (ft) 45 50 55 60 65 70 75 80 85 90 95
Load Padius (ft) 45 55 60 65 70 75 80 85 90 95 100 105	1 Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3	30 f 30 f 0 set An 0 Rated Load (lbs) 23,360* 22,430* 22,150 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 8,590 7,870	t Jib gle (deg.) Boom Angle (deg.) 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6	20 Rated Load (lbs) 19,860* 19,220* 18,120 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,220	79.6 78.1 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5	40 1 O_set Arr O Rated Load (lbs) 20,800* 20,000* 19,200* 17,630 15,800 14,130 12,760 11,590 10,560 9,560 8,750 8,020	ft Jib gle (deg., 2) Boom Angle (deg.) 2 80.0 78.6 77.1 75.6 74.1 72.6 71.1 69.5 68.0 66.4	15,290* 15,290* 14,770* 14,300* 13,840* 13,420* 12,450 11,370 9,470 8,680	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3	50 1 0 set Ar 0 Rated Load (lbs) 18,500* 17,100* 15,980 14,280 12,940 11,750 10,690 9,720 8,880 8,150	ft Jib g/le (deg.) 3 Boom Angle (deg.) 3 79.1 77.6 76.2 74.8 71.9 70.4 68.9 9	20 Pated Load (lbs) 11,170* 10,800* 10,180* 9,610* 9,60* 9,360* 8,970	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2 66.8	60 1 O set Ar. 0 Rated Load (lbs) 17,000* 16,400* 15,800* 15,800* 13,980* 13,980* 13,980* 13,980* 11,860 9,810 8,970 8,220	ft Jib g/le (deg.) 3 Boom Angle (deg.) 3 79.4 78.1 76.7 75.4 73.9 72.5 71 1	8,900* 8,610* 8,610* 8,350* 8,110* 7,640* 7,640* 7,450*	Load Radius (ft) 45 50 55 60 65 70 75 80 85 90 95 100
Load Radius (ft) 45 55 60 65 70 75 80 85 90 95 100 105 110	1 Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7	30 f 30 f	t Jib gle (deg.) Boom Angle (deg.) 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9	20 Rated Load (lbs) 19,860* 19,220* 18,120 16,220 13,090 11,880 10,820 9,810 8,970 8,220 7,530	79.6 78.1 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 61.9	40 1 O set Arr O Rated Load (lbs) 20,800* 20,000* 19,200* 17,630 15,800 14,130 12,760 11,590 10,560 9,560 8,750 8,020 7,360	ft Jib gle (deg.,) Born Angle (deg.) 3 80.0 78.6 77.1 75.6 74.1 69.5 68.0 66.4 64.8 64.8	15,290* 15,290* 14,770* 14,300* 13,840* 13,840* 13,840* 13,420* 13,340* 14,300* 13,340* 14,300* 13,340* 10,330 10,350 10,550 1	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9	50 1 0 set Ar 0 Rated Load (lbs) 18,500* 17,800* 17,100* 15,980 14,280 12,940 11,750 10,690 9,720 8,880 8,150 7,470	ft Jib g/le (deg.) Boom Angle (deg.) 3 Frank 7 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4	20 Pated Load (lbs) 11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,360* 8,970 8,240	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2 66.8 65.5	60 1 O_set Arr. 0 Rated Load (lbs) 17,000* 16,400* 15,800* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 9,810 8,970 8,220 7,560	ft Jib g/le (deg.) Boom Angle (deg.) (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 69.7	8,900* 8,610* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,250*	Load Radius (ft) 45 55 60 65 70 75 80 85 80 85 90 90 90 910 105 110
Load Radius (ft) 45 55 60 65 70 75 80 85 90 95 100 105 110 115	1 Boom Angle (deg.) 79.8 78.3 76.8 75.3 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9	30 f 30 f 0 set An 0 Rated Load (lbs) 23,360* 22,830* 22,2,150 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 8,590 7,870 7,200 6,560	t Jib gle (deg.) Boom Angle (deg.) 79.4 77.9 76.4 74.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1	20 Rated Load (lbs) 19,860* 19,220* 19,220* 18,220 14,500 13,090 11,880 10,820 9,810 8,970 8,220 7,530 6,870 6,870	79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 61.9 60.3	40 1 O_set Ar. 0 Rated Load (lbs) 20,800* 19,200* 17,630 15,800 14,130 12,760 11,590 10,560 9,560 8,750 8,020 7,360 6,720 6,720	t Jib gle (deg., Bom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 69.5 68.0 66.4 64.8 63.1	30 Pated Load (lbs) 15,290* 14,770* 14,300* 13,840* 13,840* 13,420* 13,420* 13,420* 13,420* 13,420* 13,420* 13,420* 14,770 10,330 9,470 8,680 8,000 7,310 7,310	79.2 779.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 62.3	501 O □set Ar O Rated Load (lbs) 18,500* 17,800* 17,100* 15,980 14,280 11,750 10,690 9,720 8,880 8,150 7,470 6,830 9,720	ft Jib g/le (deg.) Boom Angle 3 (deg.) 3 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 67.4 65.8	20 Pated Load (lbs) 11,170* 10,800* 10,480* 9,890* 9,610* 9,360* 8,970 8,240 7,560	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 69.0	60 1 O_set Ar. 0 Rated Load (lbs) 17,000* 16,400* 15,800* 13,980* 13,980* 13,980* 13,980 10,800 9,810 8,970 8,220 7,560 6,920 6,920	ft Jib g/le (deg.) Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 69.7	8,900* 8,900* 8,610* 8,350* 8,110* 7,870* 7,450* 7,250* 7,250*	Load Radius (ft) 455 50 65 55 60 65 70 65 70 80 85 90 95 100 105 110
Load Radius (ft) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120	1 Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4	30 f 30 f 30 f 0 set An 0 Rated Load (lbs) 23,360* 22,430 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 8,590 7,870 7,200 6,660 6,040	t Jib gle (deg.) boom Angle (deg.) 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3 56.5	20 20 20 20 20 20 20 20 20 20	79.6 79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 61.9 60.3 58.7 57.0	40 1 O_set Ar 0 Rated Load (lbs) 20,800* 19,200* 17,630 15,800 14,130 12,760 11,590 10,560 9,560 8,750 8,020 7,360 6,720 6,720 6,720	t Jib gle (deg., bom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 72.6 71.1 69.5 68.0 66.4 64.8 63.1 61.5 59.8	20 20 20 20 20 20 20 20 20 20	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3	501 O set Ar O Pated Load (bs) 18,500* 17,800* 17,100* 15,980 14,280 14,280 14,280 14,280 14,280 14,280 14,280 14,280 14,500 14,280 14,500 14,280 14,500 14,280 14,500 10,690 14,500 10,690 10,690 10,500 10,690 10,500 10,690 10,500 10,690 10,500 10,690 10,500 10,690 10,500 10,690 10,500	ft Jib ngle (deg.) Boom Angle (deg.) 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 62.7	30 Pated Load (lbs) 11,170* 10,800* 10,180* 9,890* 9,610* 9,360* 8,970 8,240 7,560 6,960 6,960	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2 66.8 65.5 64.0 62.6 61.1	60 1 O_set Ar. 0 Rated Load (lbs) 17,000* 16,400* 15,800* 13,980* 13,050 11,860 10,800 9,810 8,970 8,220 7,560 6,920 6,340 5,860	ft Jib gle (deg.) Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7 65.2	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,250* 7,050* 6,900*	Load Radius (ft) 455 50 55 60 65 55 60 65 70 75 80 85 90 95 100 105 110 115 120
Load Padius (ft) 45 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130	1 Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4 52.6	30 f 30 f 30 f 0 set An 0 Rated Load (lbs) 23,360* 22,830* 22,830* 22,350 19,550 17,370 15,560 13,880 12,560 1,390 13,880 12,560 1,390 8,590 7,870 7,200 6,560 6,040 5,550 5,070	t Jib gle (deg.) Boom Angle (deg.) 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7	20 Pated Load (lbs) 19,860* 19,220* 18,120 16,220 14,500 13,090 11,880 0,810 0,820 9,810 8,970 8,220 7,530 6,870 6,870 6,300 5,790 5,310	79.6 78.1 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 61.9 60.3 58.7 57.0 55.4	40 1 O set Arr O Rated Load (lbs) 20,800* 20,000* 19,200* 17,630 15,800 14,130 12,760 11,590 10,560 9,560 8,750 8,020 7,360 6,720 6,170 5,680 5,220	t Jib gle (deg., Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 69.5 68.0 66.4 64.8 63.1 61.5 59.8 58.1	Bite Bite <th< th=""><th>79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7</th><th>50 1 0 set Ar 0 Rated Load (lbs) 18,500* 17,800* 17,800* 17,100* 15,980 14,280 12,940 11,750 10,690 9,720 8,880 8,150 7,470 6,830 6,280 5,770 5,310</th><th>ft Jib g/le (deg.) 3 Boom Angle (deg.) 79.1 77.6 76.2 74.8 71.9 70.4 68.9 67.4 65.8 64.3 62.7 61.1</th><th>20 Pated Load (lbs) 11,170* 10,800* 10,490* 10,180* 9,610* 9,360* 8,970 8,9240 7,560 6,960 6,910 5,930</th><th>80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2 66.8 65.5 64.0 62.6 61.1 59.7</th><th>60 1 O set Ar. 0 Rated Load (lbs) 17,000* 16,400* 15,800* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 5,860 5,860 5,870</th><th>ft Jib g/le (deg.) 3 Boom Angle (deg.) 3 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7 65.2 63.7</th><th>8,900* 8,900* 8,610* 8,350* 8,110* 7,850* 7,450* 7,250* 7,250* 6,900* 6,610 6,100</th><th>Load Radius (ft) 45 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130</th></th<>	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7	50 1 0 set Ar 0 Rated Load (lbs) 18,500* 17,800* 17,800* 17,100* 15,980 14,280 12,940 11,750 10,690 9,720 8,880 8,150 7,470 6,830 6,280 5,770 5,310	ft Jib g/le (deg.) 3 Boom Angle (deg.) 79.1 77.6 76.2 74.8 71.9 70.4 68.9 67.4 65.8 64.3 62.7 61.1	20 Pated Load (lbs) 11,170* 10,800* 10,490* 10,180* 9,610* 9,360* 8,970 8,9240 7,560 6,960 6,910 5,930	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2 66.8 65.5 64.0 62.6 61.1 59.7	60 1 O set Ar. 0 Rated Load (lbs) 17,000* 16,400* 15,800* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 5,860 5,860 5,870	ft Jib g/le (deg.) 3 Boom Angle (deg.) 3 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* 8,900* 8,610* 8,350* 8,110* 7,850* 7,450* 7,250* 7,250* 6,900* 6,610 6,100	Load Radius (ft) 45 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130
Load Radius (ft) 45 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130	1 Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4 52.6 50.8	30 f 30 f 30 f 30 f 30 f 30 f 23,360* 22,3360* 22,3360* 22,350 19,550 17,370 15,560 13,880 9,390 8,590 7,870 7,200 6,560 6,040 5,550 5,070 4,560	t Jib gle (deg.) Boom Angle (deg.) 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7 52.8	20 Pated Load (lbs) 19,860* 19,220* 18,120 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,920 7,530 6,870 6,870 6,870 6,300 5,790 5,310 4,850	79.6 78.1 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 61.9 60.3 58.7 57.0 55.4 53.7	40 1 O set Arr O Rated Load (lbs) 20,800* 20,000* 19,200* 17,630 15,800 14,130 12,760 11,590 10,560 9,560 8,750 8,020 7,360 6,720 6,170 5,680 5,220 4,730	ft Jib gle (deg.,) Boom Angle (deg.) 3 80.0 78.6 77.1 75.6 74.1 69.5 68.0 66.4 69.5 68.0 66.4 63.1 61.5 59.8 58.1 56.4	Book Rated Load (lbs) 14,770* 14,300* 13,840* 13,840* 13,420* 14,370 10,330 9,470 8,680 8,000 7,310 6,720 5,260	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7 56.1	501 0 set Ar 0 Rated Load (lbs) 18,500* 17,800* 17,100* 15,980 14,280 12,980 11,750 10,690 9,720 8,880 8,150 7,470 6,830 6,280 5,770 5,310 4,870	ft Jib g/le (deg.) 3 Boom Angle (deg.) 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 62.7 61.1 59.5	20 Pated Load (lbs) 11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,360* 8,970 8,240 7,560 6,960 6,410 5,930 5,460	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2	60 1 O_set Ar, 0 Rated Load (lbs) 17,000* 16,400* 15,800* 13,980* 14,860 5,86	ft Jib g/le (deg.) 3 Boom Angle (deg.) (deg.) 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 63.7 62.2 63.7	8,900* 8,900* 8,610* 8,350* 8,110* 7,870* 7,450* 7,250* 7,050* 6,900* 6,610 6,100 5,640	Load Radius (ft) 45 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130
Load Radius (ft) 45 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140	1 Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4 52.6 50.8 48.8 46.9	30 f 30 f 30 f 0 set An 0 Rated Load (lbs) 23,360* 22,830* 22,150 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 8,590 7,870 7,200 6,560 6,040 5,550 5,070 4,560 4,070 3,650	t Jib gle (deg.) Boom Angle (deg.) 79.4 77.9 76.4 74.9 76.4 74.9 76.4 74.9 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7 52.8	20 Pated Load (lbs) 19,860* 19,220* 19,220* 18,220 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,220 7,530 6,870 6,870 6,870 6,300 5,790 5,310 4,850	79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 61.9 60.3 58.7 57.0 55.4 53.7 51.8 50 1	40 1 O_set Ar. 0 Rated Load (lbs) 20,800* 20,000* 19,200* 17,630 15,800 14,130 12,760 10,560 9,560 8,750 8,020 7,360 6,720 6,770 5,680 5,220 4,730 3,810	ft Jib gle (deg., Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 75.6 74.1 69.5 68.0 66.4 64.8 63.1 61.5 59.8 58.1 56.4 54.4 52.6	20 Pated Load (lbs) 15,290* 14,770* 14,300* 13,840* 13,420* 13,420* 13,420* 13,420* 13,420* 13,420* 13,420* 12,450 13,420* 12,450 13,420* 12,450 13,420* 12,450 14,770 5,700 5,700 5,700 5,700 4,820 4,360 4,360 1,360 1,360 1,360 1,370 1,	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7 56.1 54.4 52.8	501 0 □set Ar 0 Rated Load (lbs) 18,500* 17,800* 17,100* 15,980 14,280 11,750 10,690 9,720 8,880 8,150 7,470 6,830 6,280 5,770 5,310 4,870 4,360 3,920	ft Jib g/le (deg.) Boom Angle (deg.) (deg.) 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 62.7 61.1 59.5 57.7 56.0 57.7	20 Pated Load (lbs) 11,170* 10,800* 10,180* 9,890* 9,610* 9,890* 9,610* 9,890* 9,610* 9,890* 9,610* 9,890* 9,610* 9,890* 9,610* 9,890* 9,610* 9,890* 9,610* 9,890* 9,610* 9,890* 9,610* 9,890* 9,610* 9,890* 9,610* 9,890* 9,610* 9,890* 9,610* 9,890* 9,610* 9,890* 9,610* 9,610* 9,610* 9,610* 9,610* 9,610* 9,610* 9,610* 9,610* 9,610* 9,610* 9,610* 9,610* 9,610* 9,610* 9,610* 9,610* 9,610* 10,10* 9,60* 9,60* 9,70*	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2 56.6 55 1	60 1 O_set Ar, 0 Rated Load (lbs) 17,000* 16,400* 15,800* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980 13,980 13,980 13,980 13,980 13,980 13,980 5,860 5,370 4,960 4,950 4,010	ft Jib g/le (deg.) Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 68.2 66.7 65.2 63.7 62.2 60.5 58.9 9	8,900* 8,900* 8,610* 8,350* 8,110* 7,870* 7,450* 7,250* 6,610 6,100 5,640 5,180	Load Radius (ft) 45 50 65 50 65 70 65 70 80 85 90 95 100 105 110 115 120 125 130 135 140
Load Radius (ft) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 135 130 135 140 145	1 Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4 50.8 48.8 46.9 44.8	30 f 30 f 30 f 0 set An 0 Rated Load (lbs) 23,360* 22,430 19,550 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 8,590 7,870 7,200 6,560 6,040 5,550 5,070 4,560 4,070 3,650 3,280	t Jib gle (deg.) boom Angle (deg.) 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7 52.8	20 Rated Load (lbs) 19,860* 19,220* 18,120 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,220 7,530 6,300 5,310 4,850	79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 61.9 60.3 58.7 57.0 55.4 53.7 51.8 50.1 48.2	40 1 O_set Ar 0 Rated Load (lbs) 20,800* 19,200* 19,200* 17,630 15,800 14,130 12,760 11,590 10,560 9,560 8,750 8,020 7,360 6,720 6,720 6,720 6,720 5,220 4,730 3,810 3,810 3,410	t Jib gle (deg., bom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 75.6 74.1 75.6 74.1 75.6 74.1 75.6 75.6 74.1 75.6 75.6 74.1 75.6 75.6 75.6 75.6 75.6 75.6 75.6 75.6	BO BO Rated Load (lbs) 14,770* 14,770* 13,840* 13,840* 13,840* 13,840* 10,330 9,470 8,680 8,000 7,310 6,720 6,5,700 5,260 4,360	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 63.9 62.3 63.9 62.3 63.9 62.3 63.9 62.3 59.3 57.7 56.1 54.4 52.8 51.1	501 O set Ar O Pated Load (bs) 18,500* 17,100* 15,980 14,280 14,280 14,280 14,280 14,280 14,280 10,690 9,720 8,880 8,150 7,470 6,830 6,280 5,310 4,870 4,870 4,870 3,920 3,520	ft Jib g/le (deg.) Boom Angle (deg.) 3 Boom Angle (deg.) 3 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 62.7 61.1 59.5 57.7 56.0 54.2 54.2	20 Pated Load (lbs) 11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,360* 8,970 8,240 7,560 6,960 6,910 5,960 6,410 5,460 4,620 4,620 4,160	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2 56.6 55.1 53.5	60 1 O_set Ar. 0 Rated Load (bs) 17,000* 16,400* 15,800* 13,980* 13,980* 13,980* 13,050 11,860 10,800 9,810 8,970 8,220 7,560 6,920 6,920 6,920 6,340 5,370 4,960 4,450 4,010 3,610	ft Jib g/le (deg.) Boom Angle (deg.) (deg.) 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 60.5 58.9 57.3 57.3	8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,250* 7,050* 6,900* 6,610 6,100 5,640 5,180 4,780 4,380	Load Radius (ft) 455 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 5 140
Load Padius (ft) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 135 130 145 140	1 Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 56.2 54.4 50.8 48.8 46.9 44.8 46.9 44.8 42.7	30 f 30 f 30 f 0 set An 0 Rated Load (lbs) 23,360* 22,830* 22,150 19,550 17,370 15,560 13,880 12,560 1,390 10,360 9,390 8,590 7,870 7,200 6,560 6,040 5,555 5,070 4,560 4,070 3,650 3,280 2,930	t Jib gle (deg.) boom Angle (deg.) 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7 52.8	O Rated Load (lbs) 19,860* 19,220* 18,120 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,220 7,530 6,870 5,790 5,310 4,850	2007 2017 2017 2017 2017 2017 2017 2017	40 1 O_set Ar 0 Rated Load (lbs) 20,800* 19,200* 17,630 14,130 12,760 11,590 10,560 9,560 8,750 8,7	t Jib gle (deg., bom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 72.6 71.1 69.5 68.0 66.4 64.8 63.1 61.5 59.8 58.1 56.4 54.4 52.6	Image: Constraint of the system 15,290* 15,290* 14,770* 14,300* 13,840* 13,420* 12,450 11,370 10,330 9,470 8,680 8,000 7,310 6,720 5,260 4,360	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 63.9 62.3 63.9 62.3 63.9 62.3 59.3 57.7 56.1 54.4 52.8 51.1 49.3	501 O set Ar O Rated Load (bs) 18,500* 17,800* 17,100* 15,980 14,280 12,940 11,750 10,690 9,720 8,880 8,150 7,470 6,830 6,280 5,770 5,310 4,870 4,870 4,870 3,920 3,520 3,150	ft Jib ogle (deg.) Boom Angle (deg.) 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 62.7 61.1 59.5 57.7 56.0 54.2 52.4	20 20 20 20 20 20 20 20 20 20	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2 56.6 55.1 53.5 51.9	60 1 O_set Ar. 0 Rated Load (lbs) 17,000* 16,400* 15,800* 15,800* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 14,400 5,860 6,340 5,860 4,960 4,960 4,960 4,960 4,960 3,610 3,240	ft Jib ogle (deg.) Boom Angle (deg.) 79.4 78.1 76.7 75.4 73.9 72.5 71.1 69.7 65.2 63.7 62.2 60.5 58.9 57.3 55.6 55.6	8,900* 8,900* 8,610* 8,350* 8,110* 7,870* 7,640* 7,450* 7,640* 7,640* 6,610 6,100 5,640 5,640 5,640 5,640 5,640 5,640 5,640 5,640	Load Radius (ft) 455 50 55 60 55 60 70 75 80 85 90 95 100 105 110 105 110 115 125 130 135 140 135 140
Load Radius (ft) 45 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 155 165	1 Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4 52.6 50.8 48.8 46.9 44.8 46.9 44.8 42.7 40.4	30 f 30 f 30 f 0 set An 0 Rated Load (lbs) 23,360* 22,830* 22,830* 22,830* 22,830* 19,550 17,370 15,560 13,880 12,560 1,390 8,590 7,870 6,560 6,040 5,550 5,070 4,560 4,070 3,650 3,280 2,930 2,570	t Jib gle (deg.) Boom Angle (deg.) 79.4 77.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7 52.8	20 Pated Load (lbs) 19,860* 19,220* 18,120 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,220 7,530 6,870 6,870 6,300 5,790 5,310 4,850	79.6 78.1 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 61.9 60.3 58.7 57.0 55.4 53.7 51.8 50.1 48.2 46.3 44.2	40 1 O set Arr 0 Rated Load (lbs) 20,800* 20,000* 19,200* 17,630 15,800 14,130 12,760 11,590 10,560 9,560 8,750 8,020 7,360 6,720 6,170 5,680 5,220 4,730 4,230 3,810 3,810 3,060 2,680	ft Jib gle (deg., Boom Angle (deg.) 3 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 56.4 52.6 52.6	Book Rated Load (lbs) 14,770* 14,300* 13,840* 13,840* 13,420* 13,320* 10,330 9,470 8,680 8,000 7,310 6,720 5,260 4,820 4,360	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7 56.1 54.4 52.8 51.1 49.3 47.4	501 0 set Ar 0 Rated Load (lbs) 18,500* 17,800* 17,800* 17,100* 15,980 14,280 12,980 14,280 12,980 14,280 12,980 14,280 12,980 5,970 6,830 6,280 5,770 5,310 4,870 4,870 4,870 3,920 3,150 2,790	ft Jib g/le (deg.) 3 Boom Angle (deg.) 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 62.7 61.1 59.5 57.7 56.0 54.2 52.4	20 Pated Load (lbs) 11,170* 10,800* 10,490* 10,180* 9,890* 9,610* 9,360* 8,970 8,240 7,560 6,960 6,410 5,930 5,460 5,000 4,620 4,620 4,160 3,760	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2 56.6 55.1 53.5 51.9 50.2 48.5	60 1 O _set Ar, 0 Rated Load (lbs) 17,000* 16,400* 15,800* 13,980* 13,980* 13,980* 13,980* 13,960 11,860 9,810 8,970 8,920 6	ft Jib g/le (deg.) 3 Boom Angle (deg.) 3 79.4 78.1 75.4 73.9 72.5 71.1 69.7 68.2 66.7 65.2 63.7 62.2 60.5 58.9 57.3 55.6 53.8 52.0	8,900* 8,900* 8,610* 8,350* 8,110* 7,870* 7,450* 7,250* 7,050* 6,900* 6,610 6,100 5,640	Load Radius (ft) 45 55 60 65 70 75 80 90 90 90 90 90 105 100 105 110 115 120 135 140 145 155 160
Load Radius (ft) 45 50 55 60 65 70 75 80 95 100 105 100 105 110 115 120 135 130 135 140 145 155 160 165	1 Boom Angle (deg.) 79.8 78.3 76.8 75.3 73.8 72.4 70.8 69.3 67.7 66.2 64.5 62.9 61.3 59.7 57.9 56.2 54.4 52.6 50.8 48.8 48.8 46.9 44.8 42.7 40.4	30 f 30 f 30 f 0 set An 0 23,360* 22,830* 22,150 19,550 17,370 15,560 13,880 12,560 11,390 10,360 9,390 8,590 7,870 7,200 6,560 6,040 5,550 5,070 4,560 3,280 2,930 2,930 2,570	t Jib gle (deg.) Boom Angle (deg.) 79.4 77.9 76.4 74.9 76.4 74.9 73.2 71.7 70.1 68.6 66.9 65.2 63.6 61.9 60.1 58.3 56.5 54.7 52.8	20 Pated Load (lbs) 19,860* 19,220* 19,220* 18,220 16,220 14,500 13,090 11,880 10,820 9,810 8,970 8,220 7,530 6,870 6,870 6,300 5,790 5,310 4,850	79.6 78.1 76.7 75.3 73.9 72.4 71.0 69.5 68.1 66.5 65.0 63.5 61.9 60.3 58.7 57.0 55.4 53.7 51.8 50.1 48.2 46.3 44.2	40 1 O_set Ar. 0 Rated Load (lbs) 20,800* 20,000* 19,200* 17,630 15,800 11,590 10,560 9,560 8,750 8,020 7,360 6,720 6,770 5,680 5,220 4,730 4,230 3,810 3,810 3,600 2,680	ft Jib gle (deg., Boom Angle (deg.) 80.0 78.6 77.1 75.6 74.1 75.6 74.1 75.6 74.1 69.5 68.0 66.4 64.8 63.1 61.5 59.8 58.1 56.4 51.4 52.6	Book Rated Load (lbs) 14,770* 13,840* 13,840* 13,420* 12,450 11,370 10,330 9,470 8,680 8,000 7,310 6,720 5,700 5,260 4,360	79.2 77.9 76.5 75.2 73.8 72.4 71.0 69.6 68.2 66.7 65.3 63.9 62.3 60.8 59.3 57.7 56.1 54.4 52.8 51.1 49.3 47.4	501 0 □set Ar 0 Rated Load (lbs) 18,500* 17,800* 17,100* 15,980 14,280 11,750 10,690 9,720 8,880 8,150 7,470 6,830 6,280 5,770 5,310 4,870 4,360 3,520 3,150 2,790	ft Jib g/le (deg.) Boom Angle 3 (deg.) 3 79.1 77.6 76.2 74.8 73.4 71.9 70.4 68.9 67.4 65.8 64.3 62.7 61.1 59.5 57.7 56.0 54.2 52.4	11,170* 10,800* 10,180* 9,890* 9,610* 9,360* 8,970 8,240 7,560 6,960 6,960 6,410 5,930 5,460 5,930 5,460 5,460 3,760	80.0 78.8 77.5 76.2 74.9 73.6 72.3 71.0 69.5 68.2 66.8 65.5 64.0 62.6 61.1 59.7 58.2 56.6 55.1 53.5 51.9 50.2 48.5	60 1 O_set Ar, 0 Rated Load (lbs) 17,000* 16,400* 15,800* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980* 13,980 9,810 8,970 8,920 6,920	ft Jib g/le (deg.) Boom Angle 3 (deg.) 3 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 63.7 55.6 53.8 52.0 52.0	8,900* 8,900* 8,610* 8,350* 8,610* 8,350* 7,450* 7,450* 7,450* 7,450* 7,450* 6,610 6,100 5,640 5,180 4,780 4,380 3,960 3,540 3,170	Load Radius (ft) 45 50 55 60 65 70 75 80 85 90 95 100 105 110 105 125 130 135 140 145 155 5 160 165

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

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

Refer to notes on page 19.

Fixed Jib Lift Capacity

Full Counterweight: 57,590 lbs Carbody Weight: 14,340

	180' E	Boom															
		30 f	t Ji b			40 1	ft Ji b			501	ft Ji b			60 1	ft Ji b		
Load		O set An	gle (deg.))		O⊡set Ar	igle (deg.)			O⊡set Ar	ngle (deg.)			O⊡set Ar	igle (deg.))	Load
Radius	1	0	3	30	1	0	3	30	1	0	3	30	1	0	3	30	Radius
(ft)	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	Boom Angle	Rated Load	(11)
	(deg.)	(lbs)	(deg.)	(lbs)	(deg.)	(lbs)	(deg.)	(lbs)	(deg.)	(lbs)	(deg.)	(lbs)	(deg.)	(lbs)	(deg.)	(lbs)	
50	78.9	19,770*															50
55	77.4	19,240*	79.9	19,060*	78.7	18,500*			79.7	17,000*							55
60	76.0	18,760*	78.5	18,580*	77.3	17,800*			78.4	16,400*			79.3	15,000*			60
65	74.6	17,190	77.1	17,960	76.0	17,100*	79.1	14,740*	77.1	15,800*			78.0	14,500*			65
	73.2	15,360	75.6	16,070	74.7	15,630	77.7	14,460*	75.9	15,200*	79.6	11,300*	76.8	14,000*	70.0	0.000*	
15	70.2	13,/10	72.6	14,350	71.0	13,950	76.3	14,020°	74.5	13,980°	76.0	10,930	74.2	13,500°	79.9	8,990°	15
85	70.5 68.8	12,300 11 100	72.0	12,940	71.9	12,560	74.9	13,360 12 320	75.2 710	12,700	70.9	10,000*	74.5	12,070	70.0	8,700**	85
90	67.4	10 180	69.7	10 640	69.1	10 360	72.1	11 220	70.6	10 510	74.2	10,030*	71.8	10.620	76.0	8 200*	90
95	65.8	9.190	68.1	9.630	67.6	9.390	70.5	10.180	69.2	9.520	72.7	9.740*	70.4	9.630	74.6	7.950*	95
100	64.3	8,390	66.5	8,790	66.2	8,570	69.1	9,320	67.8	8,700	71.4	9,500*	69.2	8,790	73.3	7,760*	100
105	62.8	7,670	65.0	8,040	64.8	7,820	67.6	8,550	66.5	7,950	70.0	8,810	67.9	8,040	72.0	7,530*	105
110	61.3	7,010	63.4	7,360	63.3	7,160	66.1	7,840	65.1	7,290	68.5	8,110	66.6	7,360	70.7	7,360*	110
115	59.6	6,370	61.7	6,670	61.8	6,520	64.5	7,160	63.6	6,630	67.0	7,400	65.2	6,720	69.2	7,160*	115
120	58.0	5,840	60.1	6,120	60.3	5,970	63.0	6,560	62.2	6,080	65.6	6,810	63.8	6,170	67.8	7,010*	120
125	56.4	5,310	58.4	5,590	58.8	5,460	61.4	6,040	60.8	5,570	64.1	6,260	62.5	5,660	66.4	6,480	125
130	54./	4,/80	56./	5,110	5/.2	4,960	59.8	5,550	59.3	5,090	62.6	5,//0	61.1 507	5,180	65.0	5,970	130
140	51.0	4,270	53.0	4, 360	53.0	4,430	36.2	3,090	56.2	4, 360	50 /	3,310	58.7	4,070	62.0	5 ,020	140
140	49.4	3,790	513	3 610	523	3 520	54.7	4,380 4 120	50.2 547	3 630	578	4,850	56.8	3720	60 5	4 620	140
150	47.6	2.970	01.0	0,010	50.6	3,130	53.0	3.680	53.1	3.240	56.2	3.940	55.3	3.320	59.0	4,160	150
155	45.7	2,600			48.8	2,750		-,	51.5	2,860	54.5	3,520	53.8	2,930	57.5	3,740	155
160											52.7	3,100	52.2	2,550	55.8	3,320	160
165															54.1	2,950	165
170															52.4	2,600	170
Reeves	2	2		2		2		1		1		1		1		1	Reeves

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).
- 2. Rated loads do not exceed 66% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
- 3. The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
 - 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.
 - The crane must be leveled to within 1% on a firm supporting surface.
 - Must have 39,000 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 bucket, 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.
- Bucket weight must also be decreased according to operating cycle and bucket lowering height. Rated loads are determined by stability and boom strength During simultaneous operations of boom and swing, rapid acceleration of deceleration must be avoided. Do not attempt to cast the bucket while swinging or diagonal draw-cutting.
- 8. The boom should be erected over the front of the crawlers, not laterally.
- 9. Least stable position is over the side.
- 10. Maximum hoist load for number of reeving parts of line for hoist rope.

Maximum Load for Main Boom

No. of Parts of line	1
Maximum Loads (lbs)	16,000

- 11. Rated loads listed apply only to the machine as originally manufactured and designed by KOBELCO CONSTRUCTION MACHINERY CO., LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.
- 12. Assembling the Counterweight39,000 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: 70 ft (21.3 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
50 (15.2)	Base-A-Tip
60 (18.3)	Base-A-A-Tip, Base-B-Tip
70 (21.3)	Base-A-B-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 (39,070 lbs) - Without Carbody weights - Crawlers in extended position.

50	Booi	m	60)' Boo	m	70)' Boo	m		
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)		
 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 	64.2 61.6 58.9 56.2 53.3 50.4 47.3 44.1 40.6 36.9 32.8 28.2	16,000 * 16,000 * 16,000 * 16,000 * 16,000 * 16,000 * 16,000 * 16,000 * 16,000 * 15,400 *	30.0 32.0 34.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 52.0 54.0 54.0 58.0	64.5 62.4 60.2 58.0 55.7 53.3 50.9 48.3 45.7 42.9 40.0 36.9 33.5 29.8 25.6	16,000 * 16,000 * 16,000 * 16,000 * 16,000 * 16,000 * 16,000 * 16,000 * 15,200 * 14,500 13,600 13,000 12,300 11,900	34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 52.0 54.0 54.0 54.0 54.0 56.0 54.0 56.0 54.0 56.0 54.0 56.0 54.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 56.0 5	64.8 63.0 61.1 59.2 57.3 55.3 51.2 49.0 46.8 44.5 42.1 39.6 36.9 34.0 30.9 27.5	16,000 * 16,000 * 16,000 * 16,000 * 15,800 * 15,600 * 15,200 * 14,300 * 13,600 * 13,000 * 12,300 * 11,600 * 11,200 * 10,800 * 10,100 * 9,700 *		

Supplemental Data - Barge

- Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
- Rated loads do not exceed 75% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
- 3. The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
 - Machine shall be positively secured to prevent shifting.
 - Boom backstops are required for all boom length.
 - Gantry must be fully raised position for all operations.
 - Crawlers must be fully extended and be locked in position.
 - Must have 57,590 lbs (5) Counterweights fully installed.
 - Must have 14,340 lbs (2) Carbody weights fully installed.
- 4. Do not attempt to lift where no radius on load is listed as crane may tip or collapse.
- 5. Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine rated loads.
- 6. Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
- 7. When lifting over boom point with jib or auxiliary sheave, rated loads for the boom must be deducted as shown below.

Jib Length	Aux Sheave	30 ft	40 ft	50 ft	60 ft
Deduct (lbs)	320		Not Ap	plicable	

When auxiliary sheave is used for 10 or 9 reeving parts of line, it is not required to deduct 320 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 320 lbs deducted from rated load for the boom without auxiliary sheave, but it should not exceed 17,000 lbs.

- 10. Boom lengths that can attach auxiliary sheave are from 50 ft (15.2 m) to 190 ft (57.9 m).
- 11. The boom should be erected over the front of the crawlers, not laterally.
- 12. Least stable position is over the side.
- 13. Maximum hoist load for number of reeving parts of line for hoist rope.

Maximum Load for Main Boom

No. of Parts of line	1	2	4	5
Maximum Loads (lbs)	17,000	34,000	68,000	85,000

No. of Parts of line	6	7	8	9*	10*
Maximum Loads (lbs)	102,000	119,000	136,000	153,000	170,000
* - Use auxiliary sheave).				

Maximum Load for Auxiliary Sheave

No. of Parts of line	1
Maximum Loads (lbs)	17,000

14. Weight of recommended hook block.

Hook Block	85USt	55USt	35USt	21USt	7USt ball hook
Weight (lbs)	1,765	1,545	1,105	885	355

Warning: If the weight of the hook block to be used is lighter than the recommended weight, the jib may turn over backward 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 CONSTRUCTION MACHINERY CO., LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.

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

Barge

5 Counterweights (57,590 lbs) - 2 Carbody weights (14,340 lbs) - Crawlers in extended position.

Sect Sect <t< th=""><th></th><th colspan="5">50' Boom</th><th></th><th>60</th><th>' Boor</th><th>n</th><th></th><th></th><th colspan="5">70' Boom</th></t<>		50' Boom						60	' Boo r	n			70' Boom					
Index Regin (b)			3	60° Rateo	d Load (lk	os)			3	60° Rateo	l Load (lk	os)			3	60° Rated	d Load (lk	os)
120 81.1 662.001 0.0 0.0 140 15	Load Radius	Boom Angle (deg.)	0 Degree Machine	1 Degree Machine	2 Degree Machine	3 Degree Machine	Load Radius	Boom Angle (deg.)	0 Degree Machine	1 Degree Machine	2 Degree Machine	3 Degree Machine	Load Radius	Boom Angle (deg.)	0 Degree Machine	1 Degree Machine	2 Degree Machine	3 Degree Machine
13.0 79.0 154.000 + 150 77.0 154.000 + 150 77.0 154.000 + 150 77.0 154.000 + 150 77.0 154.000 + 170.0 77.0 154.000 + 170.0 77.0 154.000 + 170.0 77.00 77.0 77.00 77	12.0	81.1	160,000 *	20	200	20	13.0	81.6	154,200 *	20		20	14.0	82.0	143,600 *	20	20	14
140 150 <th>13.0</th> <th>79.9</th> <th>154,400 *</th> <th></th> <th></th> <th></th> <th>14.0</th> <th>80.7</th> <th>143,800 *</th> <th></th> <th></th> <th></th> <th>15.0</th> <th>81.2</th> <th>134,500 *</th> <th></th> <th></th> <th></th>	13.0	79.9	154,400 *				14.0	80.7	143,800 *				15.0	81.2	134,500 *			
160 264 250001 1720 <t< th=""><th>14.0 15.0</th><th>78.8 77.6</th><th>134,000 *</th><th></th><th></th><th></th><th>15.0</th><th>79.7</th><th>134,700 *</th><th></th><th></th><th></th><th>16.0</th><th>80.3 79.5</th><th>126,500 *</th><th></th><th></th><th></th></t<>	14.0 15.0	78.8 77.6	134,000 *				15.0	79.7	134,700 *				16.0	80.3 79.5	126,500 *			
17.0 5.2 19.00* 18.0 7.6 11.000* 19.0 7.8 19.7	16.0	76.4	126,900 *				17.0	77.7	119,500 *				18.0	78.7	112,800 *			
Name Particle Particle <thparticle< th=""> Particle <th< th=""><th>17.0</th><th>75.2</th><th>119,700 *</th><th>105 400</th><th></th><th></th><th>18.0</th><th>76.8</th><th>113,000 *</th><th></th><th></th><th></th><th>19.0</th><th>77.8</th><th>105,400</th><th></th><th></th><th></th></th<></thparticle<>	17.0	75.2	119,700 *	105 400			18.0	76.8	113,000 *				19.0	77.8	105,400			
200 716 97.300 97.300 220 72.8 32.700 77.500 24.0 73.6 73.700 57.700 220 923 940 66.7 73.810 69.700 55.00 62.0 67.1 53.80 67.700 73.80 64.00 57.00 24.0 73.6 73.700 57.80 24.0 73.6 73.700 57.80 73.80 64.00 57.00 24.0 73.6 73.70 57.80 24.0 73.6 73.70 57.80 24.0 73.6 73.70 57.80 24.0 73.6 73.700 57.00 53.00 57.00 53.00 57.00 33.00 <	18.0 19.0	74.0 72.8	113,200 * 105.660	105,400 97,100			19.0 20.0	75.8 74.8	105,460 97,130	89.000			20.0	77.0	97,060 83,700			
22.0 62.2 84.010 73.800 73.500 64.500 54.00 72.560 64.500 72.500	20.0	71.6	97,350	90,500			22.0	72.8	83,790	77,500			24.0	73.6	73,470	67,700		
Partie Core Partie Core Partie	22.0	69.2	84,010	78,800	73,500		24.0	70.8	73,560	68,500	63,600	51 000	26.0	71.9	65,380	60,600	F1 C00	
12.0 16.5 59.230 55.400 53.700 51.700 42.00 45.80 42.00 45.80 43.00 33.00 46.00 45.80 42.00 45.80 43.00 33.00 34.0 54.80 45.90 43.200 43.00 45.00 33.00 34.0 33.00 34.0 34.00 34.00 34.00 34.00 34.00 34.00 34.00 34.00 34.00 34.00 34.00 34.00 34.00 34.00 34.00 34.00 34.00 35.00 33.00 37.00 33.00 37.00 35.00 33.00 37.00 34.0 34.00 34.00 34.00 34.00 34.00 34.00 34.00 34.00 34.00 34.00 34.00 34.00 33.00 37.00 35.00 33.00 37.00 35.00 33.00 37.00 35.00 33.00 37.00 35.00 33.00 37.00 36.00 37.00 36.00 37.00 36.00 37.00 36.00 37.00	24.0 26.0	64.2	65,760	69,700 62,400	59.000	56,100	26.0	66.6	58,970	55,600	57,900	49,100	28.0 30.0	70.1 68.4	53,430	50,200	47,300	42,400
310 832 53200 5320 5320	28.0	61.6	59,230	56,400	53,700	51,400	30.0	64.5	53,570	50,700	48,200	45,800	32.0	66.6	48,890	46,100	43,700	40,900
242 35.2 49.10 49.00 49.00 49.00 49.00 49.00 49.00 300 63.00 63.00 63.00 33.000 3	30.0	58.9	53,850	51,500	49,200	47,300	32.0	62.4	49,030	46,600	44,500	42,500	34.0	64.8	45,030	42,500	40,500	38,400
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380 47.3 39.280 37.900 36.800 33.800 400 53.3 36.110 35.000 33.900 35.700 34.800 33.800 45.0 47.0 33.900 25.00 49.0 27.700 49.0 27.700 28.00	36.0	50.4	42,150	40,600	39,300	38,100	38.0	55.7	38,950	37,300	35,800	34,700	40.0	59.2	36,240	34,800	33,300	31,900
Nu 41.1 39,70 51,700 51,700 53,000 500 400 27,290 26,400 25,900 25,900 23,00 23,000 <	38.0	47.3	39,280	37,900	36,800	35,500	40.0	53.3	36,410	35,000	33,900	32,700	45.0	54.3	31,040	29,900	28,800	27,700
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160 81.6 126300* 117.0 81.9 118,820* 19.0 81.5 101,850* 20.0 80.9 96,800 17.0 80.8 112,600* 19.0 81.6 102,400* 20.0 79.8 83,400 19.0 79.4 105,200 20.0 79.9 96,870 24.0 77.8 83,550 20.0 78.6 96,3930 22.0 78.6 83,480 26.0 77.4 65,010 22.0 77.2 83,550 24.0 77.3 73,230 28.0 76.3 58,440 24.0 77.3 73,230 26.0 76.4 65,140 30.0 73.4 53,150 49,000 34.0 72.7 44,550 41,100 30.0 71.2 53,260 45,200 30.0 73.4 53,150 49,000 36.0 71.5 41,200 38,200 35,700 30.0 71.2 53,260 45,200 34.0 72.7 48,580 44,000 41,070 43,00 36.0 73.1 33,200 31,600 <t< th=""><th>Load</th><th>80 Boom</th><th>Boon 30</th><th>n 60° Rateo 1 Degree</th><th>d Load (Ik</th><th>os)</th><th>Load</th><th>90 Boom</th><th>Boor 3 0 Degree</th><th>n 60° Rateo 1 Degree</th><th>l Load (lk 2 Degree</th><th>os)</th><th>Load</th><th>10 Boom</th><th>0' Boo 3 0 Degree</th><th>m 60° Rateo 1 Degree</th><th>d Load (Ik</th><th>os)</th></t<>	Load	80 Boom	Boon 30	n 60° Rateo 1 Degree	d Load (Ik	os)	Load	90 Boom	Boor 3 0 Degree	n 60° Rateo 1 Degree	l Load (lk 2 Degree	os)	Load	10 Boom	0' Boo 3 0 Degree	m 60° Rateo 1 Degree	d Load (Ik	os)
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20.0 78.6 96.930 22.0 78.6 83,480 22.0 77.2 83,550 24.0 77.3 73,230 28.0 76.3 58,440 28.0 76.3 58,440 28.0 76.3 58,440 30.0 75.1 53,020 35,020 32.0 73.2 84,850 44,550 44.0 77.7 58,680 54,200 30.0 73.4 53,150 49,000 34.0 72.7 44,550 41,100 38,200 38,200 38,200 36,00 36	Load Padius (ft) 16.0 17.0 18.0	80 Boom Angle (deg.) 81.6 80.8 80.1	Boon 30 0 Degree Machine List 126,300 * 119,100 * 112,600 *	n 60° Rateo 1 Degree Machine List	d Load (Ik 2 Degree Machine List	os) 3 Degree Machine List	Load Radius (ft) 17.0 18.0 19.0	90 Boom Angle (deg.) 81.9 81.2 80.6	Boor 3 0 Degree Machine List 118,820 * 112,400 * 105,220	n 60° Pateo 1 Degree Machine List	Load (Ik 2 Degree Machine List	os) 3 Degree Machine List	Load Radius (ft) 19.0 20.0 22.0	Boom Angle (deg.) 81.5 80.9 79.8	0' Boo 3 0 Degree Machine List 101,850 * 96,800 83,400	m 60° Rateo 1 Degree Machine List	d Load (Ik 2 Degree Machine List	os) 3 Degree Machine List
24.0 77.5 73,320 1 76.0 76,16 51,20 30,20 75.1 53,200 30,0 75.1 53,000 30,0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0	Load Radius (ft) 16.0 17.0 18.0 19.0	80 Boom Angle (deg.) 81.6 80.8 80.1 79.4	Boon 30 0 Degree Machine List 126,300 * 119,100 * 112,600 * 105,290	n 60° Rateo 1 Degree Machine List	d Load (Ik 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 17.0 18.0 19.0 20.0	90 Boom Angle (deg.) 81.9 81.2 80.6 79.9	Boor 3 0 Degree Machine List 118,820 * 112,400 * 105,220 96,870	60° Rated 1 Degree Machine List	l Load (Ik 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 19.0 20.0 22.0 24.0	B oom Angle (deg.) 81.5 80.9 79.8 78.6	0' Boo 30 0 Degree Machine List 101,850 * 96,800 83,400 73,120	m 60° Pateo 1 Degree Machine List	d Load (Ik 2 Degree Machine List	3 Degree Machine List
26.0 74.2 65,230 60,000 28.0 74.7 58,570 53,700 32.0 73.9 48,450 44,500 30.0 71.2 53,260 49,500 32.0 73.4 43,150 49,000 34.0 72.7 44,550 41,100 38,200 35,700 32.0 69.7 48,690 45,500 42,800 34.0 70.7 44,700 41,700 38,000 38.0 70.3 38,200 35,600 37,00 34.0 68.1 44,844 42,000 39,700 35,800 36.0 69.3 41,380 38,700 36,300 45.0 65.9 30,480 28,900 27,300 25,730 25,700 27,300 25,700 31,600 32,00 32,00 32,00 22,00 2,00 <th>Load Radius (ft) 16.0 17.0 18.0 19.0 20.0 22.0</th> <th>Boom Angle (deg.) 81.6 80.8 80.1 79.4 78.6 77.2</th> <th>Boon 3 0 Degree Machine List 126,300 * 119,100 * 112,600 * 105,290 96,930 83,550</th> <th>n 60° Ratec 1 Degree Machine List</th> <th>d Load (Ik 2 Degree Machine List</th> <th>3 Degree Machine List</th> <th>Load Padius (ft) 17.0 18.0 19.0 20.0 22.0 24.0</th> <th>90 Boom Angle (deg.) 81.9 81.2 80.6 79.9 78.6 77.3</th> <th>Boor 3 0 Degree Machine List 118,820* 112,400* 105,220 96,870 83,480 73,230</th> <th>60° Pateo 1 Degree Machine List</th> <th>I Load (IL 2 Degree Machine List</th> <th>3 Degree Machine List</th> <th>Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0</th> <th>Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.2</th> <th>0' Boo 3 0 Degree Machine List 101,850 * 96,800 83,400 73,120 65,010</th> <th>M 60° Pateo 1 Degree Machine List</th> <th>d Load (Ik 2 Degree Machine List</th> <th>DS) 3 Degree Machine List</th>	Load Radius (ft) 16.0 17.0 18.0 19.0 20.0 22.0	Boom Angle (deg.) 81.6 80.8 80.1 79.4 78.6 77.2	Boon 3 0 Degree Machine List 126,300 * 119,100 * 112,600 * 105,290 96,930 83,550	n 60° Ratec 1 Degree Machine List	d Load (Ik 2 Degree Machine List	3 Degree Machine List	Load Padius (ft) 17.0 18.0 19.0 20.0 22.0 24.0	90 Boom Angle (deg.) 81.9 81.2 80.6 79.9 78.6 77.3	Boor 3 0 Degree Machine List 118,820* 112,400* 105,220 96,870 83,480 73,230	60° Pateo 1 Degree Machine List	I Load (IL 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0	Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.2	0' Boo 3 0 Degree Machine List 101,850 * 96,800 83,400 73,120 65,010	M 60° Pateo 1 Degree Machine List	d Load (Ik 2 Degree Machine List	DS) 3 Degree Machine List
28.0 7.2.7 58,680 54,200	Load Radius (ft) 16.0 17.0 18.0 19.0 20.0 22.0 24.0	80 Boom Angle (deg.) 81.6 80.8 80.1 79.4 78.6 77.2 75.7	Boon 30 0 Degree Machine List 126,300 * 119,100 * 112,600 * 105,290 96,930 83,550 73,320	n 60° Patec 1 Degree Machine List	d Load (Ik 2 Degree Machine List	3 Degree Machine List	Load Padius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0	90 <i>Angle</i> (<i>deg.</i>) 81.9 81.2 80.6 79.9 78.6 77.3 76.0	Boor 3 0 Degree Machine List 118,820* 112,400* 105,220 96,870 83,480 73,230 65,140	n 60° Patec 1 Degree Machine List	I Load (IK 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0	Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1	0' Boo 3 0 Degree Machine List 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020	m 60° Patec 1 Degree Machine List	d Load (IK 2 Degree Machine List	3 Degree Machine List
32.0 69.7 48,690 45,500 42,800 34.0 70.7 44,700 41,700 38,00 38.0 70.3 38,290 35,600 33,700 34.0 68.1 44,840 42,000 39,700 35,800 36.0 69.3 41,380 38,700 36,300 40.0 69.0 35,730 33,500 31,600 27,300 25,380 36.0 65.9 34,480 22,900 27,000 20,00 27,300 25,380 36,00 32,700 40.0 66.6 35,890 34,000 32,100 29,900 50.0 62.7 26,470 25,100 24,000 22, 40.0 63.4 36,020 34,300 32,600 30,900 45.0 63.0 30,660 29,300 27,700 26,400 55.0 59.5 23,320 22,200 21,200 20,0 45.0 55.0 26,820 25,700 24,700 23,800 55.0 55.6 23,520 21,600 20,800 65.0 52.5 18,620 17,800 17,200 16, 55.0 50.5 23,570 <th>Load Radius (ft) 16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 26.0</th> <th>Boom Angle (deg.) 81.6 80.8 80.1 79.4 78.6 77.2 75.7 74.2 75.7</th> <th>Boon 30 0 Degree Machine List 126,300 * 119,100 * 112,600 * 105,290 96,930 83,550 73,320 65,230</th> <th>60° Patec 1 Degree Machine List 60,000</th> <th>2 Degree Machine List</th> <th>3 Degree Machine List</th> <th>Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 28.0</th> <th>Boom Angle (deg.) 81.9 81.2 80.6 79.9 78.6 77.3 76.0 74.7 72.4</th> <th>Boor 3 0 Degree Machine List 118,820* 112,400* 105,220 96,870 83,480 73,230 65,140 58,570</th> <th>60° Patec 1 Degree Machine List 53,700</th> <th>I Load (Ik 2 Degree Machine List</th> <th>3 Degree Machine List</th> <th>Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0</th> <th>10 Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9</th> <th>0' Boo 3 0 Degree Machine List 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450</th> <th>m 60° Pateo 1 Degree Machine List 44,500</th> <th>2 Degree Machine List</th> <th>25) 3 Degree Machine List</th>	Load Radius (ft) 16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 26.0	Boom Angle (deg.) 81.6 80.8 80.1 79.4 78.6 77.2 75.7 74.2 75.7	Boon 30 0 Degree Machine List 126,300 * 119,100 * 112,600 * 105,290 96,930 83,550 73,320 65,230	60° Patec 1 Degree Machine List 60,000	2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 28.0	Boom Angle (deg.) 81.9 81.2 80.6 79.9 78.6 77.3 76.0 74.7 72.4	Boor 3 0 Degree Machine List 118,820* 112,400* 105,220 96,870 83,480 73,230 65,140 58,570	60° Patec 1 Degree Machine List 53,700	I Load (Ik 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0	10 Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9	0' Boo 3 0 Degree Machine List 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450	m 60° Pateo 1 Degree Machine List 44,500	2 Degree Machine List	25) 3 Degree Machine List
34.0 68.1 44,840 42,000 39,700 35,800 36.0 69.3 41,380 38,700 36,300 40.0 69.0 35,730 33,500 31,600 36.0 66.6 41,490 39,000 36,900 34,500 38.0 68.0 38,440 36,100 34,200 45.0 65.9 30,480 28,900 27,300 25, 38.0 65.0 38,580 36,500 34,600 32,700 40.0 66.6 35,890 34,000 32,100 29,900 50.0 62.7 26,470 25,100 24,000 22, 40.0 65.0 34,300 32,600 30,900 45.0 63.0 30,660 29,300 27,700 26,400 55.0 59.5 23,320 22,000 21,200 20,0 45.0 55.0 56.0 25,700 24,700 23,800 55.0 55.6 23,520 22,500 21,600 20,800 65.0 52.5 18,620 17,800 17,200 16, 55.0 50.5 23,670 22,800 22,000	Load Padius (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 80.8 80.1 79.4 78.6 77.2 75.7 74.2 72.7 71.2	Boon <i>3</i> <i>0 Degree</i> <i>Machine</i> <i>126</i> ,300 * 119,100 * 112,600 * 105,290 96,930 83,550 73,320 65,230 58,680 53,260	60° Pateo 1 Degree Machine List 60,000 54,200 49,500	2 Degree Machine List	3 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	90 Boom Angle (deg.) 81.2 80.6 79.9 78.6 77.3 76.0 74.7 73.4 72.0	Boorre <i>Bachine</i> <i>Degree</i> <i>Machine</i> <i>Ist</i> 118,820 * 112,400 * 105,220 96,870 83,480 73,230 65,140 58,570 53,150 48,580	60° Ratec 1 Degree Machine List 53,700 49,000 45,000	I Load (IK 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0	Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7 71.5	0' Boo 30 0 Degree Machine List 101,850 * 96,800 83,400 73,120 65,010 58,040 53,020 48,450 44,550	60° Pateo 1 Degree Machine List 44,500 41,100 38,200	d Load (IL 2 Degree Machine List	3 Degree Machine List
33.0 63.0 34,700 39,000 34,000 32,700 40.0 66.6 35,800 32,100 29,900 50.0 62.7 26,470 25,100 24,000 22, 40.0 63.4 36,020 34,300 32,600 30,900 45.0 63.0 30,660 29,300 27,700 26,400 55.0 59.5 23,320 22,200 21,200 20, 45.0 59.3 30,820 29,500 28,200 27,000 50.0 59.5 23,320 22,200 21,200 20, 45.0 55.0 26,820 25,700 24,700 23,800 55.0 55.6 23,520 22,500 24,300 23,400 60.0 56.1 20,740 19,800 19,100 18, 50.0 55.0 26,820 25,700 24,700 23,800 55.0 55.6 23,520 22,500 21,600 20,800 65.0 52.5 18,620 17,800 17,200 16, 50.0 54.6 21,140 20,400 19,900 19,200 65.0 47.4 <	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 80.8 80.1 79.4 78.6 77.2 75.7 74.2 72.7 71.2 69.7	Boon <i>ODegree</i> <i>Machine</i> <i>List</i> 126,300 * 119,100 * 105,290 96,930 83,550 73,320 65,230 58,680 53,260 48,690	60° Pateo 1 Degree Machine List 60,000 54,200 49,500	2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0	90 <i>Boom</i> <i>Angle</i> (deg.) 81.9 81.2 80.6 79.9 78.6 77.3 76.0 74.7 73.4 72.0 70.7	Boor <i>Degree</i> <i>Machine</i> <i>List</i> 118,820* 112,400* 105,220 96,870 83,480 73,230 65,140 58,570 53,150 48,580 44,700	60° Pateo 1 Degree Machine List 53,700 49,000 45,000 41,700	Load (IL 2 Degree Machine List 41,700 38,900	3 Degree Machine List	Load Padius (ft) 19.0 20.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	10 Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7 71.5 70.3	0' Boo 3 0 Degree Machine List 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 44,550 41,200 38,290	60° Pateo 1 Degree Machine List 44,500 41,100 38,200 35,600	d Load (IL 2 Degree Machine List 35,700 33,700	3 Degree Machine List
40.0 63.4 36,020 34,300 32,600 30,900 45.0 63.0 30,660 29,300 27,700 26,400 55.0 59.5 23,320 22,200 21,200 20, 45.0 59.3 30,820 29,500 28,200 27,000 50.0 59.4 26,670 25,500 24,300 23,400 60.0 56.1 20,740 19,800 19,100 18, 50.0 55.0 26,820 25,700 24,700 23,800 55.0 55.6 23,520 22,500 21,600 20,800 65.0 52.5 18,620 17,800 17,200 16, 55.0 50.5 23,670 22,800 22,000 21,300 60.0 51.6 20,960 20,100 19,400 18,700 70.0 48.8 16,860 16,200 15,600 15,60 15,60 15,60 14,800 14,300 13,100 12,200 12,200 12,200 12,200 12,200 12,200 12,200 12,200 12,200 12,200 12,200 12,200 12,200 12,200 12,200	Load Padius (ft) 16.0 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 36.0	80 Boom Angle (deg.) 81.6 80.8 80.1 79.4 78.6 77.2 75.7 74.2 75.7 74.2 72.7 71.2 69.7 68.1 66.6	Boon 30 0 Degree Machine List 126,300 * 119,100 * 112,600 * 105,290 96,930 83,550 73,320 65,230 58,680 53,260 44,840 44,840	60° Pateo 1 Degree Machine List 60,000 54,200 49,500 45,500 42,000	42,800 39,700	35,800	Load Padius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 36.0 36.0	90 Boom Angle (deg.) 81.9 81.2 80.6 79.9 78.6 77.3 76.0 74.7 73.4 72.0 70.7 69.3 68.0	Boor 3 0 Degree Machine List 118,820* 112,400* 105,220 96,870 83,480 73,230 65,140 58,570 53,150 48,580 44,700 41,380 88,440	60° Patec 1 Degree Machine List 53,700 49,000 45,000 41,700 38,700 36,100	41,700 38,900 36,300	3 Degree Machine List	Load Padius (ft) 19.0 20.0 22.0 24.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 28.0	10 Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7 71.5 70.3 69.0 69.0	0' Boo 3 0 Degree Machine List 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 44,550 41,200 38,290 35,730	m 60° Patee <u>1 Degree</u> <u>Machine</u> <u>List</u> 44,500 41,100 38,200 35,600 33,500	35,700 31,600	3 Degree Machine List
45.0 59.3 30,820 29,500 28,200 27,000 50.0 59.4 26,670 25,500 24,300 60.0 56.1 20,740 19,800 19,100 18, 50.0 55.0 26,820 25,700 24,700 23,800 55.0 55.6 23,520 22,500 21,600 20,800 65.0 52.5 18,620 17,800 17,200 16, 55.0 50.5 23,670 22,800 22,000 21,300 60.0 51.6 20,960 20,100 19,400 18,700 70.0 48.8 16,860 16,200 15,600 15, 60.0 45.6 21,140 20,400 19,900 19,200 65.0 47.4 18,870 18,100 17,600 17,000 75.0 44.8 15,360 14,800 14,300 13,100 12, 65.0 40.3 19,060 18,400 18,000 17,500 70.0 42.9 17,100 16,400 15,600 80.0 40.6 14,080 13,600 13,100 12, 65.0 40.3 <	Load Padius (ft) 16.0 17.0 18.0 19.0 20.0 24.0 24.0 26.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	80 Boom Angle (deg.) 81.6 80.8 80.1 79.4 78.6 77.2 75.7 74.2 75.7 74.2 75.7 74.2 75.7 74.2 75.7 74.2 75.7 74.2 75.7 74.2 75.7 74.2 75.7 74.2 65.7 65.1 65.0	Boon <i>Constanting</i> <i>Degree</i> <i>Machine</i> <i>List</i> 126,300 * 119,100 * 112,600 * 105,290 96,930 83,550 73,320 65,230 58,680 53,260 48,690 44,840 41,490 38,580	60° Pateo I Degree Machine List 60,000 54,200 49,500 45,500 42,000 39,000 36,500	4 Load (Ik 2 Degree Machine List 42,800 39,700 36,900 34,600	35,800 35,800 35,800 34,500 32,700	Load Radius (ft) 17.0 18.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 34.0 36.0 38.0 40.0	900 Boom Angle (deg.) 81.9 81.2 80.6 79.9 78.6 77.3 76.0 74.7 73.4 72.0 70.7 69.3 68.0 66.6	Boorr <i>Degree</i> <i>Machine</i> <i>List</i> 118,820 * 112,400 * 105,220 96,870 83,480 73,230 65,140 58,570 58,570 58,570 58,570 48,580 44,700 41,380 38,440 35,890	60° Ratec I Degree Machine List 53,700 49,000 45,000 41,700 38,700 36,100 34,000	41,700 38,900 36,300 32,100	2 5) <u>3 Degree</u> <u>Machine</u> <u>List</u> 29,900	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 45.0 50.0	B oom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7 71.5 70.3 69.0 65.9 62.7	0' Boo 30 0 Degree Machine List 101,850 * 96,800 83,400 73,120 65,010 58,040 53,020 48,450 44,550 41,200 38,290 35,730 30,480 26,470	M 60° Pater <u>1 Degree</u> <u>Machine</u> List 44,500 41,100 38,200 35,600 33,500 28,900 25,100	35,700 33,700 31,600 27,300 24,000	25,800 22,800
55.0 50.5 23,670 22,800 22,000 21,300 60.0 51.6 20,900 19,400 18,700 19,000 15,600 15,600 15,600 15,600 15,600 15,600 13,000 13,000 13,000 13,000 13,000 13,000 13,000 13,000 13,000 13,000 13,000 13,000 12,000 14,000 14,000 13,000 13,000 13,000 13,000 12,000 14,000 14,000 14,000 13,000 13,000 12,000 12,000 12,000 12,000 12,000 12,000 13,000 13,000 13,000 13,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000 12,000	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 34.0 36.0 38.0 40.0 38.0	800 Angle (deg.) 81.6 80.8 80.8 79.4 78.6 77.2 75.7 74.2 72.7 71.2 69.7 68.1 66.6 65.0 63.4 63.4	Boon 3 0 Degree Machine List 126,300 * 112,600 * 112,600 * 105,290 96,930 83,550 73,320 65,230 58,680 53,260 48,690 44,840 41,490 38,580 36,020 29,021	60° Pateo 1 Degree Machine List 60,000 54,200 49,500 45,500 42,000 39,000 36,500 34,300	42,800 39,700 36,900 34,600 32,600	35,800 35,800 34,500 32,700 30,900	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0	900 Boom Angle (deg.) 81.9 81.2 80.6 77.9 78.6 77.3 76.0 74.7 73.4 72.0 70.7 69.3 68.0 66.6 63.0 65.6	Boor <i>Degree</i> <i>Machine</i> <i>List</i> 118,820* 112,400* 96,870 83,480 73,230 65,140 58,570 53,150 48,580 44,700 41,380 38,440 35,890 30,660	60° Pateo 1 Degree Machine List 53,700 49,000 45,000 41,700 38,700 36,100 34,000 29,300	41,700 38,900 36,300 34,200 32,100 27,700	29,900 26,400	Load Padius (ft) 19.0 20.0 22.0 24.0 28.0 30.0 32.0 34.0 34.0 36.0 38.0 40.0 45.0 55.0	B oom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 75.1 70.3 69.0 65.9 62.7 59.5	0' Boo 3 0 Degree Machine List 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 44,550 41,200 38,290 35,730 30,480 26,470 23,320	60° Pater 1 Degree Machine List 44,500 41,100 38,200 35,600 33,500 28,900 25,100 22,200	35,700 33,700 31,600 21,200	25,800 25,800 22,800 20,200
60.0 45.6 21,140 20,400 19,900 19,900 19,200 65.0 47.4 18,870 18,100 17,600 75.0 44.8 15,360 14,800 14,300 13, 65.0 40.3 19,060 18,400 18,000 17,500 70.0 42.9 17,100 16,400 15,600 80.0 40.6 14,080 13,100 12, 65.0 40.3 19,060 18,400 18,000 17,500 70.0 42.9 17,100 16,400 15,600 80.0 40.6 14,080 13,100 12, 6 40.3 19,060 18,400 18,000 17,500 70.0 37.9 15,630 15,100 14,800 14,400 85.0 35.9 12,980 12,600 12,200 12, 6 4 4 4 Reeves 7 4 4 2 Reeves 6 4 4 4	Load Padius (ft) 16.0 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 38.0 40.0 45.0 50.0	800 800 81.6 80.8 80.1 79.4 78.6 77.2 75.7 74.2 75.7 74.2 75.7 74.2 75.7 74.2 69.7 68.1 66.6 65.0 63.4 59.3 55.0	Boon <i>Degree</i> <i>Machine</i> <i>List</i> 126,300 * 119,100 * 112,600 * 105,290 96,930 83,550 73,320 65,230 58,680 53,260 48,690 44,840 41,490 38,580 36,020 30,820 26,830	60° Pater Machine List 60,000 54,200 49,500 45,500 42,000 39,000 36,500 34,300 29,500 25,700	42,800 39,700 36,900 34,600 28,200 24,700	35,800 34,500 32,700 32,700 32,700	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 38.0 40.0 50.0 55.0	900 Boom Angle (deg.) 81.9 81.2 80.6 79.9 78.6 77.3 76.0 74.7 73.4 72.0 74.7 73.4 72.0 76.3 66.6 63.0 59.4 55.6 55.6	Boor <i>Degree</i> <i>Machine</i> <i>List</i> 118,820* 112,400* 105,220 96,870 83,480 73,230 65,140 58,570 53,150 48,580 44,700 41,380 38,440 35,890 30,6670 26,670 23,550	60° Pateo 1 Degree Machine List 53,700 49,000 45,000 41,700 38,700 36,100 34,000 29,300 25,500 22,500	41,700 38,900 34,200 32,100 27,700 24,300 21,600	29,900 26,400 23,400 20,800	Load Padius (ft) 19.0 22.0 24.0 24.0 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0	10 (<i>Angle</i> <i>(deg.)</i> 81.5 80.9 79.8 77.6 77.4 76.3 75.1 73.9 72.7 71.5 70.3 69.0 65.9 62.7 59.5 56.1 52.5	0' Boo 3 0 Degree Machine List 101,850 * 96,800 83,400 53,020 48,450 44,550 41,200 38,290 35,730 30,480 26,770 23,320 20,740 18,620	60° Patee 1 Degree Machine List 44,500 41,100 38,200 35,600 33,500 28,900 25,100 22,200 19,800	35,700 33,700 31,600 27,300 21,200 19,100	25,800 22,800 22,800 20,200 18,200
05.0 40.3 19,000 18,400 18,000 17,500 70.0 42.9 17,100 16,400 16,000 15,600 80.0 40.6 14,080 13,600 13,100 12, 75.0 37.9 15,630 15,100 14,800 14,400 85.0 35.9 12,980 12,600 12,200 12, Reeves 8 4 4 4 Reeves 7 4 4 2 Reeves 6 4 4 2	Load Padius (ft) 16.0 17.0 18.0 19.0 20.0 24.0 24.0 24.0 24.0 28.0 30.0 32.0 34.0 34.0 34.0 34.0 35.0 55.0	80 Boom Angle (deg.) 81.6 80.8 80.1 79.4 77.2 75.7 71.2 69.7 68.1 66.6 65.0 63.4 59.3 55.0 50.5	Boon <i>Constanting</i> <i>Degree</i> <i>Machine</i> <i>List</i> 126,300 * 119,100 * 112,600 * 105,290 96,930 83,550 73,320 65,230 58,680 53,260 48,690 44,840 41,490 38,580 36,020 30,820 26,820 23,670	60° Ratece I Degree Machine List 60,000 54,200 49,500 42,000 39,000 36,500 34,300 29,500 25,700 22,800	42,800 39,700 36,900 34,600 32,600 28,200 24,700 22,000	35,800 35,800 35,800 34,500 32,700 30,900 27,000 23,800 21,300	Load Radius (ft) 17.0 18.0 19.0 20.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0	900 <i>Angle</i> <i>(deg.)</i> 81.9 81.2 80.6 77.3 76.0 74.7 73.4 72.0 70.7 69.3 68.0 66.6 63.0 59.4 55.6 51.6	Boorr <i>Degree</i> <i>Machine</i> <i>List</i> 118,820 * 112,400 * 105,220 96,870 83,480 73,230 65,140 58,570 53,150 48,580 44,700 41,380 38,440 35,890 30,660 26,670 23,520 20,960	53,700 49,000 45,000 41,700 38,700 36,100 34,000 29,300 25,500 22,500 20,100	41,700 38,900 36,300 34,200 32,100 27,700 24,300 21,600 19,400	29,900 26,400 23,400 18,700	Load Radius (ft) 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 34.0 36.0 40.0 45.0 55.0 60.0 65.0 70.0	10 (<i>Angle</i> (<i>deg</i> .) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7 71.5 70.3 69.0 65.9 62.7 59.5 56.1 52.5 48.8	0' Boo 30 0 Degree Machine List 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 44,550 41,200 38,290 35,730 30,480 26,470 23,320 20,740 18,620 16,860	M 60° Pater <u>1 Degree</u> <u>Machine</u> <u>List</u> 44,500 41,100 38,200 35,600 33,500 28,900 25,100 22,200 19,800 17,800 16,200	35,700 33,700 31,600 27,300 24,000 21,200 19,100 17,200 15,600	25,800 22,800 22,800 20,200 18,200 16,500 15,000
Reeves 8 4 4 Reeves 7 4 4 2 Reeves 6 4 4	Load Padius (ft) 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 45.0 55.0 60.0 55.0	800 Angle (deg.) 81.6 80.8 80.1 79.4 75.7 74.2 75.7 74.2 75.7 74.2 75.7 74.2 75.7 74.2 75.7 74.2 75.7 74.2 75.7 74.2 75.7 74.2 75.7 74.2 75.7 75.7 74.2 75.7 75.7 75.7 75.7 75.7 75.7 75.7 75	Boon 3 0 Degree Machine List 126,300 * 119,100 * 112,600 * 105,290 96,930 83,550 73,320 65,230 58,680 53,260 48,690 44,840 41,490 38,580 36,020 30,820 26,820 23,670 21,140 10,225 10,255 10	60° Patec 1 Degree Machine List 60,000 54,200 49,500 42,000 39,000 36,500 34,300 29,500 25,700 22,800 20,400	42,800 39,700 36,900 34,600 32,600 28,200 24,700 22,000 19,900	35,800 35,800 34,500 32,700 30,900 27,000 23,800 21,300 19,200	Load Radius (ft) 17.0 18.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0	900 <i>Angle</i> <i>(deg.)</i> 81.9 81.2 80.6 77.3 76.0 74.7 73.4 72.0 70.7 69.3 68.0 66.6 63.0 59.4 55.6 51.6 47.4	Boor <i>Degree</i> <i>Machine</i> <i>Ust</i> 118,820 * 112,400 * 105,220 96,870 83,480 73,230 65,140 58,570 53,150 48,580 44,700 41,380 38,440 35,890 30,660 26,670 23,520 20,960 18,870 17,165 17,16	53,700 49,000 45,000 41,700 38,700 36,100 34,000 29,300 25,500 22,500 20,100 18,100	41,700 38,900 36,300 34,200 22,700 24,300 21,600 19,400 17,600	29,900 29,900 26,400 23,400 20,800 18,700 17,000	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 45.0 55.0 60.0 65.0 60.0 65.0 70.0 75.0	Boom Angle (deg.) 81.5 80.9 79.8 78.6 77.4 76.3 75.1 73.9 72.7 71.5 70.3 69.0 65.9 62.7 59.5 56.1 52.5 54.8 84.8 44.8	0' Boo 3 0 Degree Machine List 101,850 * 96,800 83,400 73,120 65,010 58,440 53,020 48,450 44,550 41,200 38,290 35,730 30,480 26,470 23,320 20,740 18,620 16,860 15,360	44,500 41,100 38,200 35,600 33,500 22,200 19,800 17,800 16,200 14,800	35,700 33,700 31,600 27,300 24,000 21,200 19,100 17,200 15,600 14,300	25,800 22,800 22,800 20,200 18,200 16,500 13,900 12,001
Reeves 8 4 4 Reeves 7 4 4 2 Reeves 6 4 4 2	Load Padius (ft) 16.0 17.0 18.0 19.0 20.0 24.0 26.0 24.0 26.0 24.0 26.0 30.0 30.0 30.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0	BOOM Angle (deg.) 81.6 80.8 80.1 79.4 78.6 77.2 75.7 74.2 75.7 75.7 74.2 75.7 75.7 75.7 75.7 75.7 75.7 75.7 75	Boon 30 0 Degree Machine List 126,300 * 119,100 * 112,600 * 105,290 96,930 83,550 73,320 65,230 58,680 53,260 48,690 44,840 41,490 38,580 36,020 30,820 26,820 23,670 21,140 19,060	60° Pater Machine List 60,000 54,200 49,500 45,500 42,000 39,000 36,500 34,300 29,500 25,700 22,800 20,400 18,400	42,800 39,700 36,700 34,600 32,600 28,200 24,700 19,900 18,000	35,800 34,500 32,700 30,900 27,000 23,800 21,300 19,200 17,500	Load Radius (ft) 17.0 18.0 19.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0	900 Boom Angle (deg.) 81.9 81.2 80.6 79.9 78.6 77.3 76.0 74.7 73.4 72.0 74.7 73.4 72.0 74.7 73.4 72.0 74.7 73.4 72.0 75.4 75.4 75.4 75.4 75.4 75.5 75.4	Boor <i>Degree</i> <i>Machine</i> <i>List</i> 112,400 * 105,220 96,870 83,480 73,230 65,140 58,570 53,150 48,580 44,700 41,380 38,440 35,890 30,660 26,670 23,520 20,960 18,870 17,100 15,630	60° Pateo 60° Pateo 1 Degree Machine List 53,700 49,000 45,000 41,700 38,700 36,100 34,000 29,300 25,500 22,500 20,100 18,100 16,400 15,100	41,700 38,900 34,200 32,100 27,700 24,300 19,400 17,600 16,000 14,800	29,900 26,400 23,400 20,800 18,700 17,000 15,600 14,400	Load Padius (ft) 19.0 20.0 24.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 65.0 75.0 80.0 85.0	10 (<i>Angle</i> <i>(deg.)</i> 81.5 80.9 79.8 77.6 77.6 77.5 70.3 69.0 65.9 62.7 59.5 56.1 52.5 56.1 52.5 48.8 44.8 40.6 35.9	0' Boo 3 0 Degree Machine List 101,850 * 96,800 83,400 53,020 48,450 44,550 41,200 38,290 35,730 30,480 26,470 23,320 20,740 18,620 16,860 15,360 14,080 12,980	60° Patee 1 Degree Machine List 44,500 41,100 38,200 35,600 33,500 28,900 25,100 22,200 19,800 17,800 17,800 14,800 13,600 13,600 12,600	35,700 33,700 31,600 27,300 21,200 19,100 17,200 13,100 13,100 12,200	25,800 22,800 22,800 22,800 20,200 18,200 16,500 13,900 12,900 12,000
	Load Padius (ft) 16.0 17.0 18.0 19.0 20.0 24.0 26.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0	80 Boom Angle 81.6 80.8 80.1 79.4 78.6 77.2 75.7 74.2 75.7 74.2 75.7 74.2 75.7 74.2 69.7 68.1 66.6 65.0 50.5 55.0 50.5 55.0 50.5 40.3	Boon 3 0 Degree Machine List 126,300 * 119,100 * 112,600 * 105,290 96,930 83,550 73,320 65,230 58,680 53,260 48,690 44,840 41,490 38,580 36,020 30,820 26,820 23,670 21,140 19,060	60° Pater Machine List 60,000 54,200 49,500 45,500 42,000 39,500 36,500 34,300 29,500 25,700 22,800 20,400 18,400	42,800 39,700 39,700 34,600 32,600 24,700 22,000 19,900 18,000	35,800 34,500 32,700 30,900 27,000 23,800 21,300 19,200 17,500	Load Radius (ft) 17.0 18.0 19.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 55.0 60.0 65.0 75.0	900 Boom Angle (deg.) 81.9 81.2 80.6 79.9 78.6 77.3 76.0 74.7 73.4 72.0 74.7 73.4 72.0 74.7 73.4 72.0 74.7 73.4 72.0 74.7 73.4 72.0 75.4 75.4 75.5 66.6 63.0 59.4 55.6 51.6	Boor <i>Degree</i> <i>Machine</i> <i>List</i> 112,400 * 105,220 96,870 83,480 73,230 65,140 58,570 53,150 48,580 44,700 41,380 38,440 35,890 30,6670 23,520 20,960 18,870 17,100 15,630	53,700 49,000 45,000 45,000 41,700 38,700 36,100 34,000 29,300 25,500 22,500 20,100 18,100 16,400 15,100	41,700 38,900 36,300 34,200 32,100 27,700 24,300 19,400 17,600 16,000 14,800	29,900 26,400 23,400 20,800 17,000 15,600 14,400	Load Padius (ft) 19.0 20.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 55.0 65.0 85.0	10 (<i>Angle</i> <i>(deg.)</i> 81.5 80.9 77.8 77.6 77.5 70.3 69.0 65.9 62.7 59.5 56.1 52.5 56.1 52.5 56.1 52.5 48.8 44.8 44.8 40.6 35.9	0' Boo 3 0 Degree Machine List 101,850 * 96,800 83,400 53,020 48,450 44,550 41,200 38,290 35,730 30,480 26,470 23,320 20,740 18,620 16,860 15,360 14,080 12,980	CO° Patee 1 Degree Machine List 44,500 41,100 38,200 35,600 33,500 28,900 25,100 22,200 19,800 17,800 14,800 13,600 12,600	35,700 33,700 31,600 27,300 21,200 19,100 17,200 13,100 12,200	25,800 22,800 22,800 22,800 20,200 18,200 16,500 13,900 12,900 12,000

Refer to notes on page 30.

Barge

5 Counterweights (57,590 lbs) - 2 Carbody weights (14,340 lbs) - Crawlers in extended position.

110' Boom						120' Boom					130' Boom						
		3	60° Rateo	d Load (lk	os)			3	60° Rated	l Load (lk	os)			3	60° Rated	d Load (lk	os)
Load Radius (ft)	Boom Angle (deg.)	0 Degree Machine	1 Degree Machine	2 Degree Machine	3 Degree Machine	Load Radius	Boom Angle (deg.)	0 Degree Machine	1 Degree Machine	2 Degree Machine	3 Degree Machine	Load Radius	Boom Angle (deg.)	0 Degree Machine	1 Degree Machine	2 Degree Machine	3 Degree Machine
20.0	81.8	92,590				22.0	81.5	80,680 *				24.0	81.3	71,200 *			
22.0	80.7 79 7	83,260				24.0	80.5 79.6	72,950				26.0	80.4	64,610 58,020			
24.0	78.6	64,900				28.0	78.6	58,240				30.0	78.6	52,570			
28.0	77.5	58,330				30.0	77.6	52,800				32.0	77.7	48,010			
30.0 32.0	76.5 75.4	52,880 48,320				32.0 34.0	76.6 75.6	48,230				34.0 36.0	76.8	44,110			
34.0	74.3	44,440	40,600			36.0	74.7	40,980	37,600			38.0	74.9	37,830	34,600		
36.0	73.2	41,090	37,800			38.0	73.7	38,050	35,100			40.0	74.0	35,250	32,500		
38.0 40.0	72.1	35,600	33,200			40.0	70.1	30,220	28,300	26,200		45.0 50.0	69.4	25,970	27,800	22,600	
45.0	68.2	30,350	28,500			50.0	67.6	26,210	24,600	23,100		55.0	67.0	22,790	21,300	20,100	
50.0	65.4	26,340	24,900	23,500	22,100	55.0	65.0	23,010	21,600	20,500	19,400	60.0	64.6	20,210	19,000	17,900	16,800
60.0	62.5 59.5	20,610	19,600	18,700	19,900	65.0	62.5 59.5	18,320	19,500	16,500	15,700	70.0	59.6	16,290	15,400	14,600	13,400
65.0	56.4	18,490	17,700	16,900	16,100	70.0	56.7	16,530	15,700	14,900	14,400	75.0	57.0	14,770	14,000	13,200	12,800
70.0	53.2	16,710	16,000	15,300	14,800	75.0	53.8	15,010	14,300	13,700	13,200	80.0	54.3	13,470	12,800	12,100	11,700
80.0	49.9 46.4	13,910	13,300	12,900	12,500	85.0	47.6	12,580	12,000	12,700	11,200	90.0	48.6	12,320	10,700	10,400	10,700
85.0	42.6	12,800	12,300	11,900	11,600	90.0	44.3	11,590	11,100	10,700	10,400	95.0	45.6	10,440	9,900	9,700	9,200
90.0 95.0	38.6 34.2	11,830	11,400	11,000	10,800	95.0	40.7	10,730	10,300	9,900	9,600 8,000	100.0	42.4	9,670 8 000	9,200 8,600	8,900 8 300	8,600 8,000
95.0	J 4 .2	10,970	10,000	10,300	10,100	100.0	32.7	9,280	9,500	8,700	8,500	110.0	35.4	8,390	8,000	7,800	7,500
Por	WOS	6	4	2	2	Por	2006	5	4	2	2	Por	2006	5	4	2	2
	100	•	-	-	-	1.00		Ŭ	7	-	-	100	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	v	-	-	-
	140)' Boo	m				150)' Boo	m				160)' Boor	n		
	14()' Boo i	m 60° Bater	l Load (Ik	25)		150)' Boo	m 60° Pater	l Load (lk	ns)		160)' Boor	n 60° Bater	l Load (Ik	19)
Load	140 Boom)' Boo 3 0 Degree	m 60° Rateo 1 Degree	d Load (lk	os) 3 Degree	Load	150 Boom	0' Boo 3 0 Degree	m 60° Rateo 1 Degree	l Load (lk	os) 3 Degree	Load	160 Boom)' Boor 34 0 Degree	n 60° Rateo 1 Degree	d Load (lk	os) 3 Degree
Load Radius (ft)	Boom Angle (deg.))' Boo 3 0 Degree Machine List	60° Rateo 1 Degree Machine List	d Load (Ik 2 Degree Machine List	os) 3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.)	0' Boo 3 0 Degree Machine List	m 60° Ratec 1 Degree Machine List	d Load (lk 2 Degree Machine List	os) 3 Degree Machine List	Load Radius (ft)	Boom Angle (deg.))' Boor 30 0 Degree Machine List	n 60° Rateo 1 Degree Machine List	d Load (lk 2 Degree Machine List	3 Degree Machine List
Load Radius (ft) 24.0	Boom Angle (deg.) 81.9)' Boo 3 0 Degree Machine List 61,720 *	m 60° Rateo 1 Degree Machine List	d Load (Ik 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 26.0	Boom Angle (deg.) 81.7)' Boo 3 0 Degree Machine List 52,680 *	M 60° Rateo 1 Degree Machine List	2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 28.0	160 Boom Angle (deg.) 81.5)' Boor 30 0 Degree Machine List 44,090 * 43,430 *	n 60° Rateo 1 Degree Machine List	d Load (Ik 2 Degree Machine List	3 Degree Machine List
Load Radius (ft) 24.0 26.0 28.0	B oom Angle (deg.) 81.9 81.1 80.2)' Boo 3 0 Degree Machine List 61,720 * 60,840 57,980	M 60° Rated 1 Degree Machine List	d Load (Ik 2 Degree Machine List	os) 3 Degree Machine List	Load Radius (ft) 26.0 28.0 30.0	Boom Angle (deg.) 81.7 80.9 80.1)' Boo 3 0 Degree Machine List 52,680 * 51,800 * 51,140 *	M 60° Rateo 1 Degree Machine List	d Load (Ik 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 28.0 30.0 32.0	Boom Angle (deg.) 81.5 80.7 80.0)' Boon 30 0 Degree Machine List 44,090 * 43,430 * 42,760 *	n 60° Rateo 1 Degree Machine List	d Load (Ik 2 Degree Machine List	3 Degree Machine List
Load Padius (ft) 24.0 26.0 28.0 30.0	Boom Angle (deg.) 81.9 81.1 80.2 79.4)' Boo 30 0 Degree Machine List 61,720 * 60,840 57,980 52,530	m 60° Rateo 1 Degree Machine List	d Load (Ik 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 26.0 28.0 30.0 32.0	Boom Angle (deg.) 81.7 80.9 80.1 79.3)' Boo 3 0 Degree Machine List 52,680 * 51,800 * 51,140 * 47,810	M 60° Ratec 1 Degree Machine List	d Load (Ik 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 28.0 30.0 32.0 34.0	Boom Angle (deg.) 81.5 80.7 80.0 79.3	0' Boon 30 0 Degree Machine List 44,090 * 43,430 * 42,760 * 42,100 *	n 60° Rateo 1 Degree Machine List	d Load (Ik 2 Degree Machine List	DS) 3 Degree Machine List
Load Padius (ft) 24.0 26.0 28.0 30.0 32.0 24.0	Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7	0 Degree Machine List 61,720 * 60,840 57,980 52,530 47,950 44,040	m 60° Rateo 1 Degree Machine List	d Load (Ik 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 26.0 28.0 30.0 32.0 34.0 26.0	Boom Angle (deg.) 81.7 80.9 80.1 79.3 78.6 77.8	Boo 3 0 Degree Machine List 52,680 * 51,800 * 51,140 * 47,810 43,890 40,540	M 60° Rateo 1 Degree Machine List	d Load (IL 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 28.0 30.0 32.0 34.0 36.0 38.0	160 Boom Angle (deg.) 81.5 80.7 80.0 79.3 78.6 77.8	0 Degree Machine List 44,090 * 43,430 * 42,760 * 42,100 * 40,520 37,560	n 60° Rateo 1 Degree Machine List	d Load (Ik 2 Degree Machine List	os) 3 Degree Machine List
Load Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0	Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9)' Boo 3 <i>0 Degree</i> <i>Machine</i> <i>List</i> 61,720 * 60,840 57,980 52,530 47,950 44,040 40,670	m 60° Ratec 1 Degree Machine List	d Load (Ik 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0	Boom Angle (deg.) 81.7 80.9 80.1 79.3 78.6 77.8 77.0	D' Boo 3 0 Degree Machine List 52,680 * 51,800 * 51,140 * 47,810 43,890 40,540 37,610	M 60° Patec 1 Degree Machine List	I Load (IL 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 28.0 30.0 32.0 34.0 36.0 38.0 40.0	Boom Angle (deg.) 81.5 80.7 80.0 79.3 78.6 77.8 77.1	b' Boon 3 0 Degree Machine List 44,090 * 43,430 * 42,760 * 42,100 * 40,520 37,560 34,980	n 60° Pateo 1 Degree Machine List	d Load (IL 2 Degree Machine List	3 Degree Machine List
Load Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0	Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.0)' Boo 3 0 Degree Machine List 61,720 * 60,840 57,980 52,530 47,950 44,040 40,670 37,740	m 60° Pateo 1 Degree Machine List	1 Load (Ik 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0	Boom Angle (deg.) 81.7 80.9 80.1 79.3 78.6 77.8 77.0 76.2	0' Boo 3 0 Degree Machine List 52,680 * 51,800 * 51,140 * 47,810 43,890 40,540 37,610 35,030	m 60° Pateo 1 Degree Machine List	I Load (IL 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 50.0	Boom Angle (deg.) 81.5 80.7 80.0 79.3 78.6 77.8 77.1 75.2 73.4	2' Boor 30' Degree Machine List 44,090 * 43,430 * 42,760 * 42,700 * 40,520 37,560 34,980 29,710 25,680	n 60° Pateo 1 Degree Machine List	d Load (IL 2 Degree Machine List	3 Degree Machine List
Load Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0	Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.0 75.2 73.1) ⁷ Boo <i>O Degree</i> <i>Machine</i> <i>List</i> 61,720 * 60,840 57,980 52,530 47,950 44,040 40,670 37,740 35,160 29,910	m 60° Patec 1 Degree Machine List	1 Load (IL 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 50.0	Boom Angle (deg.) 81.7 80.9 80.1 79.3 78.6 77.8 77.0 76.2 74.2 74.2 72.2	D' Boo 0 Degree Machine List 52,680 * 51,140 * 47,810 43,890 40,540 37,610 35,030 29,760 25,720	m 60° Ratecc 1 Degree Machine List 23 700	1 Load (IL 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 50.0 55.0	Boom Angle (deg.) 81.5 80.7 80.0 79.3 78.6 77.8 77.1 75.2 73.4 71.5	D' Boon <i>O Degree</i> <i>Machine</i> <i>Iist</i> 44,090 * 43,430 * 42,760 * 42,100 * 40,520 37,560 34,980 29,710 25,680 22,480	n 50° Patec 1 Degree Machine List 20,800	1 Load (IL 2 Degree Machine List	3 Degree Machine
Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 50.0	Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.0 75.2 73.1 70.9	2 Boo 3 0 Degree Machine List 61,720 * 60,840 57,980 52,530 47,950 44,040 40,670 37,740 35,160 29,910 25,880	m 60° Pater 1 Degree Machine List 24,100	2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 50.0 55.0	Boom Angle (deg.) 81.7 80.9 80.1 79.3 78.6 77.8 77.0 76.2 74.2 74.2 72.2 70.2	D' Boo 3 O Degree Machine List 52,680 * 51,140 * 47,810 43,890 40,540 37,610 35,030 29,760 25,720 22,530	m 60° Patee Machine List 23,700 20,900	Load (IL 2 Degree Machine List	3 Degree Machine List	Load Radius (ft) 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0	Boom Angle (deg.) 81.5 80.7 80.0 79.3 78.6 77.8 77.1 75.2 73.4 71.5 69.6 67.7	2 Boon 3 Construction 0 Degree Machine List 44,090 * 43,430 * 42,760 * 42,760 * 42,700 * 40,520 37,560 34,980 29,710 25,680 22,480 19,880 17,700	n 50° Ratee 1 Degree Machine List 20,800 18,400	1 Load (Ik 2 Degree Machine List 17,100	3 Degree Machine List
Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 50.0 50.0	140 Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.0 75.2 73.1 70.9 68.7 68.7	D Boo 3 0 Degree Machine List 61,720 * 60,840 57,980 52,530 47,950 44,040 40,670 37,740 35,160 29,910 25,880 22,680 22,680 22,680	m 60° Patee <u>1 Degree</u> <u>Machine</u> <u>List</u> 24,100 21,200	2 Load (Ik 2 Degree Machine List 22,300 19,700	3 Degree Machine List	Load Radius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0	150 Boom Angle (deg.) 81.7 80.9 80.1 79.3 78.6 77.8 77.0 76.2 74.2 70.2 68.2 68.2	D' Boo 0 Degree Machine List 52,680 * 51,800 * 51,140 * 47,810 43,890 40,540 37,610 35,030 29,760 25,720 22,530 19,950 17,020	m 60° Patect 1 Degree Machine List 23,700 20,900 18,600	1 Load (Ik 2 Degree Machine List 19,200 17,400	3 Degree Machine List	Load Radius (ft) 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0	160 Boom Angle (deg.) 81.5 80.7 80.0 79.3 78.6 77.8 77.1 75.2 73.4 71.5 69.6 67.7 65.7	2 Boon 3 Constant 3 Constant 3 Constant 3 Constant 3 Constant 4 Constant	n 50° Ratect 1 Degree Machine List 20,800 18,400 16,400 14,800	1 Load (IL 2 Degree Machine List 17,100 15,400 14,000	3 Degree Machine List
Load Radius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0	140 Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.0 75.2 73.1 70.9 68.7 66.5 64.3	Description Construction 0.00000000000000000000000000000000000	m 60° Pateet 1 <u>Degree</u> <u>Machine</u> List 24,100 21,200 18,800 16,800	22,300 17,700 15,800	255) 3 Degree Machine List 15,700 14,900	Load Radius (ft) 26.0 28.0 30.0 32.0 33.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0	150 Boom Angle (deg.) 81.7 80.9 80.1 79.3 78.6 77.8 77.0 76.2 74.2 70.2 68.2 66.1 64.0	D' Boo 0 Degree Machine List 52,680 * 51,140 * 51,140 * 47,810 43,890 40,540 37,610 35,030 29,760 25,720 22,530 19,950 17,810 16,000	m 60° Patec 1 Degree Machine List 23,700 20,900 18,600 16,600 15,000	1 Load (IL 2 Degree Machine List 19,200 17,400 15,600 14,100	13,700 13,100	Load Radius (ft) 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0	160 Boom Angle ((deg.) 81.5 80.7 79.3 78.6 77.8 77.4 71.5 69.6 67.7 65.7 63.7 63.7	2 Boon 3 0 Degree Machine List 44,090 * 43,430 * 42,760 * 42,100 * 40,520 37,560 34,980 29,710 25,680 22,480 19,880 17,720 15,930 14,390 12,022 12,	n 50° Patec 1 Degree Machine List 20,800 18,400 16,400 14,800 13,400 14,800	1 Load (IL 2 Degree Machine List 17,100 15,400 14,000 12,700	12,000 11,600
Load Padius 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0	1440 Boom (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.0 75.2 73.1 70.9 68.7 66.5 64.3 62.0	Description 3 0 Degree Machine 0 0.1720 * 60,840 57,980 52,530 47,950 44,040 40,670 37,740 35,160 29,910 25,880 22,680 20,100 17,960 16,150 16,150	m 60° Patee <u>1 Degree</u> <u>Machine</u> <u>List</u> 24,100 21,200 18,800 16,800 15,100	22,300 19,700 17,700 15,800 14,400	255) 3 Degree Machine List 15,700 14,900 13,600	Load Radius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0	150 <i>Boome</i> <i>Angle</i> (<i>deg</i>) 81.7 80.9 80.1 79.3 78.6 77.8 77.0 76.2 74.2 70.2 68.2 66.1 64.0 61.8	D' Boo 3 O Degree Machine List 52,680 * 51,140 * 47,810 43,890 40,540 37,610 35,030 29,760 25,720 22,530 19,950 17,810 16,000 14,480	m 60° Pateet <u>1 Degree</u> Machine List 23,700 20,900 18,600 16,600 15,000 13,700	1 Load (IL 2 Degree Machine List 19,200 17,400 15,600 14,100 12,800	13,700 12,100	Load Radius (it) 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 80.0 85.0	160 Bom Angle (deg.) 81.5 80.7 80.0 79.3 78.6 77.8 77.4 71.5 69.6 67.7 63.7 63.7 61.7 63.7 61.7 59.7	2 Boon 3 Constraints 3 Constraints 4 Constraints 2 Constraints	11 50° Patee 1 Degree Machine List 20,800 18,400 14,800 13,400 13,400 12,200 11,100	1 Load (IL 2 Degree Machine List 17,100 15,400 14,000 12,700 11,500	12,000 11,600 9,900
Load Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0	1440 Boom (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.0 75.2 73.1 70.9 66.7 66.5 64.3 62.0 59.6	D Boo 0 Degree Machine List 61,720 * 60,840 57,980 52,530 47,950 44,040 40,670 37,740 35,160 29,910 25,880 22,680 20,100 17,960 16,150 14,630	m 60° Patee 1 Degree Machine List 24,100 21,200 18,800 16,800 15,100 13,700	22,300 19,700 13,800 14,400 13,100	255) 3 Degree Machine List 15,700 14,900 13,600 12,400	Load Radius 26.0 28.0 30.0 32.0 34.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 75.0	B om Angle (deg) 80.9 80.1 79.3 78.6 77.8 77.0 76.2 74.2 70.2 68.2 66.1 64.0 61.8 59.6	D' Boo 0 Degree Machine List 52,680 * 51,800 * 51,140 * 47,810 43,890 40,540 37,610 35,030 29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 20,215	m 60° Pateo 1 Degree Machine List 23,700 20,900 18,600 16,600 15,000 13,700 12,300	1 Load (Ik 2 Degree Machine List 19,200 17,400 15,600 14,100 12,800 11,700	13,700 13,100 12,100 11,100	Load Radius 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 50.0 60.0 75.0 80.0 75.0 80.0 85.0 90.0	160 Boom Angle (deg.) 81.5 80.7 79.3 78.6 77.8 77.8 77.8 77.8 77.8 77.8 77.4 71.5 69.6 67.7 63.7 61.7 63.7 61.7 57.7 63.7	D' Boon 0 Degree Machine List 44,090 * 43,430 * 42,760 * 40,520 37,560 34,980 29,710 25,680 22,480 19,880 17,720 15,930 14,390 13,070 11,920 10,910	10 30° Ratect 1 Degree Machine List 20,800 18,400 16,400 14,800 13,400 12,200 11,100 10,100	1 Load (IL 2 Degree Machine List 17,100 15,400 14,000 12,700 11,500 10,500 9,700	12,000 11,600 10,900 9,200
Load Padius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 55.0 60.0 75.0 80.0 85.0	1440 Boom (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.0 75.2 73.1 70.9 76.0 75.2 73.1 70.9 66.5 64.3 62.0 59.6 57.2 57.2 54.7	P Boo 3 0 Degree Machine List 61,720 * 60,840 57,980 52,530 47,950 44,040 40,670 37,740 35,160 29,910 25,880 20,100 17,960 16,150 14,630 13,310 12,160	m 60° Patee 1 <u>Degree</u> <u>Machine</u> List 24,100 21,200 18,800 16,800 15,100 13,700 12,500	22,300 19,700 17,700 15,800 14,400 13,100	15,700 13,700 14,900 13,600 12,400 11,400	Load Padius (it) 26.0 28.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 80.0 85.0 90.0	150 Bom Angle (deg.) 81.7 80.9 80.1 79.3 78.6 77.8 77.0 76.2 74.2 72.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 55.1	D' Boo 0 Degree Machine List 52,680 * 51,800 * 51,140 * 47,810 43,890 40,540 37,610 35,030 29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000	Co ^o Ratect 1 Degree Machine List 23,700 20,900 18,600 16,600 15,000 13,700 13,700 13,700 13,700 13,700 13,000 10,400	1 Load (Ik 2 Degree Machine List 19,200 17,400 15,600 14,100 12,800 11,700 10,600 9,800	13,700 13,100 12,100 11,100 10,200 9,400	Load Radius (ft) 28.0 32.0 34.0 36.0 38.0 40.0 55.0 65.0 65.0 65.0 65.0 65.0 65.0 75.0 80.0 85.0 90.0 95.0	1 6 C 8 0 7 7 3 8 0 7 7 3 8 0 7 7 3 8 0 7 7 3 8 0 7 7 3 8 0 7 7 3 8 0 7 7 3 8 0 7 7 3 7 8 1 7 5 1 1 1 5 1 1 1 5 1 1 1 5 1 1 1 5 1 1 1 5 1 1 1 1 1 1 1 1 1 1	2 Boon 3 Constant 2 Constant	10 50° Patect 1 Degree Machine List 20,800 18,400 16,400 14,800 13,400 12,200 11,100 10,100 9,300	1 Load (IL 2 Degree Machine List 17,100 15,400 14,000 12,700 11,500 9,700 8,800 8,200	12,000 11,600 10,900 9,900 9,200 8,500 8,500
Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 34.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0	144 Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.0 75.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6 57.2 54.7 52.2	Description 3 0.Degree Machine 0.00000000000000000000000000000000000	m 60° Patect 1 Degree Machine List 24,100 21,200 18,800 15,100 13,700 12,500 11,500 10,600	22,300 19,700 17,700 13,100 10,100	15,700 13,000 14,900 13,600 12,400 11,400 10,600 9,700	Load Radius 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 50.0 60.0 75.0 80.0 85.0 90.0 95.0	150 Boom (deg.) 81.7 80.9 80.1 79.3 78.6 77.8 77.0 76.2 74.2 74.2 70.2 66.1 61.8 59.6 57.4 55.1 52.7	D' Boo 0 Degree Machine List 52,680 * 51,140 * 47,810 43,890 40,540 37,610 35,030 29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000 10,110	m 60° Patec 1 Degree Machine List 23,700 20,900 18,600 16,600 15,000 13,700 12,300 11,300 10,400 9,500	19,200 17,400 15,600 14,100 12,800 11,700 10,600 9,800 9,100	13,700 13,100 12,100 11,100 10,200 9,400 8,600	Load Actives (ft) 28.0 30.0 32.0 34.0 38.0 40.0 55.0 60.0 65.0 75.0 80.0 75.0 80.0 90.0 95.0 100.0 105.0	160 Boom (deg.) 81.5 80.7 80.0 79.3 78.6 77.8 77.8 77.8 77.7 75.2 73.4 71.5 69.6 67.7 63.7 61.7 59.7 61.7 57.6 55.4 53.2 50.9	D' Boon 0 Degree Machine List 44,090 * 43,430 * 42,760 * 42,100 * 40,520 37,560 34,980 29,710 25,680 22,480 19,880 17,720 15,930 14,390 13,070 11,920 10,910 10,000 9,210 8,500	20,800 1,8400 1,8400 16,400 14,800 13,400 12,200 11,100 10,100 9,300 8,700 8,000	1 Load (IL 2 Degree Machine List 17,100 15,400 14,000 12,700 11,500 10,500 9,700 8,800 8,200 7,500	12,000 11,600 10,900 9,200 8,500 7,200
Load Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	144 Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.0 75.2 73.1 70.9 68.7 66.5 64.3 62.0 59.6 57.2 54.7 52.2 49.5 54.7	Description 3 0 Degree Machine 0 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.1 0.2 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.3 0.4 0.4 0.6 0.3 0.740 35,160 29,910 25,880 20,100 17,960 16,150 14,630 13,310 12,160 11,170 10,290 5.50	m 60° Patee 1 Degree Machine List 24,100 21,200 18,800 16,800 15,100 13,700 12,500 11,500 11,500 10,600 9,800	22,300 19,700 17,700 15,800 14,400 13,100 12,000 11,000 10,100 9,400 8,700	3 Degree Machine List 15,700 14,900 13,600 12,400 11,400 10,600 9,700 8,900 8,200	Load Radius (ft) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 75.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 90.0 95.0	B omgle (deg.) 81.7 80.9 80.1 79.3 78.6 77.8 77.0 76.2 74.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 55.1 52.7 50.3 50.4 72.2	D' Boo 3 0 Degree Machine List 52,680 * 51,800 * 51,140 * 47,810 43,890 40,540 37,610 35,030 29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000 10,110 9,320	Co ^o Pateet 1 Degree Machine List 23,700 20,900 18,600 16,600 15,000 13,700 12,300 11,300 10,400 9,500 8,700 8,100	1 Load (Ik 2 Degree Machine List 19,200 17,400 15,600 14,100 12,800 11,700 10,600 9,800 9,100 8,400 7,900	3 Degree Machine List 13,700 13,100 12,100 11,100 10,200 9,400 8,600 8,600 8,600	Load Padius (it) 28.0 32.0 34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0 55.0 60.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 100.0	1 6 0 7 7 8 0 7 7 8 0 7 7 8 0 7 7 8 0 7 7 8 0 7 7 8 0 7 7 8 0 7 7 8 0 7 7 8 0 7 7 8 0 7 7 8 1 7 5 7 7 3 4 7 1 5 5 1 7 3 1 4 5 3 2 5 1 5 5 4 5 5 4 5 3 2 5 1 5 1 5 1 4 5 1 1 1 1 1 1 1 1 1 1	2 Boon 3 Constant 3 Constant 4 Constant	1) 50° Ratect 1 Degree Machine List 20,800 18,400 16,400 14,800 13,400 12,200 11,100 10,100 9,300 8,700 8,000 7,400 8,000	1 Load (IL 2 Degree Machine List 17,100 15,400 14,000 12,700 11,500 9,700 8,800 8,200 7,500 7,100 6,620	12,000 11,600 9,900 9,200 8,500 7,900 7,200 6,700 6,700
Load Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 38.0 40.0 45.0 55.0 60.0 55.0 60.0 65.0 60.0 65.0 80.0 85.0 90.0 95.0 100.0 105.0	1440 Boom (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.0 75.2 73.1 70.9 76.0 75.2 73.1 70.9 66.5 64.3 62.0 59.6 57.2 54.7 55.2 2 46.8 43.9	P Boo 3 0 Degree Machine List 61,720 * 60,840 57,980 52,530 47,950 44,040 40,670 37,740 35,160 29,910 25,880 20,100 17,960 16,150 14,630 13,310 12,160 11,170 10,290 9,500 8,790	m 60° Patee 1 Degree <u>Machine</u> List 24,100 21,200 18,800 16,800 15,100 13,700 12,500 11,500 10,600 9,800 9,000 8,300	22,300 19,700 19,700 17,700 15,800 14,400 13,100 12,000 11,000 9,400 8,700 8,100	15,700 14,900 13,600 14,900 13,600 12,400 11,400 10,600 9,700 8,900 8,300 7,700	Load Padius (it) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 105.0	150 Boom Angle (deg.) 80.1 79.3 78.6 77.8 77.0 76.2 74.2 74.2 74.2 74.2 74.2 74.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 55.1 55.7 55.7 55.1 52.7 55.3 47.7 45.1	D' Boo 0 Degree Machine List 52,680 * 51,800 * 51,140 * 47,810 43,890 40,540 37,610 35,030 29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000 10,110 9,320 8,640 8,000	Co ^o Pateet 60° Pateet 1 Degree Machine List 23,700 20,900 18,600 16,600 15,000 13,700 12,300 11,300 10,400 9,550 8,700 8,700 8,100 7,500	19,200 17,400 17,400 15,600 14,100 12,800 11,700 10,600 9,800 9,100 8,400 7,800 7,200	13,700 13,700 13,100 12,100 11,100 10,200 9,400 8,600 8,000 7,600 7,000	Load Radius (tt) 28.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 100.0 115.0 120.0	1 6 0 7 8 0 7 7 3 8 6 7 7 8 8 0 7 7 3 8 6 7 7 8 8 0 7 7 3 8 6 7 7 8 8 0 7 7 3 7 8 6 7 7 3 7 8 6 9 6 6 6 7 7 6 5 7 6 1 7 5 7 7 7 7 7 7 7 7 7 7	2 Boon 3 0 Degree Machine List 44,090 * 43,430 * 42,760 * 42,100 * 40,520 37,560 34,980 29,710 25,680 19,880 17,720 15,930 14,390 13,070 11,920 10,910 10,910 10,910 10,910 10,910 10,9210 8,500 7,870 7,290 6,760	1) 50° Patect 1 Degree Machine List 20,800 18,400 16,400 14,800 13,400 12,200 11,100 10,100 9,300 8,700 8,000 7,400 6,800 6,400	17,100 15,400 14,000 12,700 11,500 10,500 9,700 8,800 8,200 7,500 6,500 6,000	12,000 11,600 11,600 10,900 9,900 9,200 8,500 7,200 6,700 6,300 5,800
Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 38.0 40.0 45.0 50.0 55.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0	1440 Boom (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.0 75.2 73.1 70.9 76.0 75.2 73.1 70.9 66.5 64.3 66.5 64.3 62.0 59.6 57.2 54.7 52.2 49.5 46.8 43.9 40.8	P Boo 3 0 Degree Machine List 61,720 * 60,840 57,980 52,530 47,950 44,040 40,670 37,740 35,160 29,910 25,880 20,100 17,960 16,150 14,630 13,310 12,160 11,170 10,290 9,500 8,790 8,790	m 60° Pateet 1Degree Machine List 24,100 21,200 18,800 16,800 15,100 13,700 12,500 11,500 10,600 9,800 9,000 8,300 7,700	22,300 19,700 17,700 13,100 11,000 10,100 9,400 8,700 8,100 7,500	15,700 14,900 13,600 12,400 11,400 10,600 9,700 8,900 8,300 7,700 7,200	Load Padius (it) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 65.0 65.0 65.0 85.0 90.0 95.0 100.0 115.0	150 Bom Angle (deg) 80.1 79.3 78.6 77.8 77.9 76.2 74.2 70.2 68.1 77.0 76.2 74.2 70.2 66.1 64.0 61.8 59.6 57.4 55.1 52.7 50.3 47.7 45.1 42.3	D' Boo 0 Degree Machine List 52,680 * 51,140 * 47,810 43,890 40,540 37,610 35,030 29,760 25,720 22,5720 29,570 17,810 16,000 14,480 13,160 12,010 11,000 10,110 9,320 8,640 8,000 7,420	m 60° Patect 1 Degree Machine List 23,700 20,900 18,600 15,000 13,700 12,300 11,300 10,400 9,500 8,700 8,100 7,500 7,100	19,200 17,400 15,600 14,100 12,800 11,700 10,600 9,800 9,100 8,400 7,800 7,200 6,700	13,700 13,700 13,100 12,100 11,100 10,200 9,400 8,600 8,000 7,600 7,000 6,500	Load Radius (ft) 28.0 30.0 32.0 34.0 38.0 40.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 100.0 105.0 100.0 115.0 125.0 125.0	1 60 <i>Angle</i> (deg.) 8 1.5 8 0.7 8 0.0 7 9.3 7 8.6 7 7.8 7 7.1 7 5.2 6 9.6 6 7.7 6 3.7 6 1.7 5 7.6 6 7.7 6 3.7 6 1.7 5 7.6 5 5.4 5 5.4 55 5.4 5 5.5 5 .5 5 5.5 5 5.5 5 .5 5	Becon 0 Degree Machine List 44,090 * 43,430 * 42,760 * 42,100 * 40,520 37,560 34,980 29,710 25,680 22,480 19,880 17,720 15,930 14,390 13,070 11,920 10,010 9,210 8,500 7,870 7,290 6,760 6,280	20,800 1,8400 16,400 14,800 16,400 14,800 13,400 12,200 11,100 10,100 9,300 8,000 7,400 6,800 6,400 6,400 6,200	17,100 15,400 11,500 11,500 10,500 9,700 8,800 7,100 6,500 6,000 5,600	3 Degree Machine 12,000 11,600 10,900 9,200 9,200 7,900 7,200 6,700 6,300 5,800 5,800 5,800 5,800
Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0 120.0	1440 Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.9 76.9 76.9 75.2 73.1 70.9 66.5 64.3 62.0 59.6 57.2 54.7 52.2 40.8 43.9 40.8 37.6 37.6	P Eco 3 0 Degree Machine 1 do the second	m 60° Patect 1 Degree Machine List 24,100 21,200 18,800 15,100 13,700 12,500 11,500 10,600 9,800 9,000 8,300 7,200 6,700	22,300 19,700 17,700 15,800 14,400 13,100 12,000 11,000 10,100 9,400 8,700 8,100 7,500 7,000	3 Degree Machine List 15,700 14,900 13,600 12,400 11,400 10,600 9,700 8,900 8,300 7,700 6,800 6,800	Load Radius (it) 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0	150 Boom (deg.) 81.7 80.9 80.1 79.3 78.6 77.8 77.0 76.2 74.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 55.1 52.7 50.3 47.7 45.1 42.3 39.4 23.4 36.2	D' Boo 0 Degree Machine List 52,680 * 51,800 * 51,140 * 47,810 43,890 40,540 37,610 35,030 29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000 10,110 9,320 8,640 8,000 7,420 6,450	m 60° Patec 1 Degree Machine List 23,700 20,900 18,600 16,600 15,000 13,700 12,300 11,300 10,400 9,500 8,700 8,700 8,700 8,700 6,100 6,100	19,200 17,400 15,600 17,400 15,600 14,100 12,800 11,700 10,600 9,800 9,100 8,400 7,800 7,200 6,700 6,300 5,800	3 Degree Machine List 13,700 13,100 12,100 11,100 10,200 9,400 8,600 8,600 8,600 8,600 7,000 7,0000 7,0000 7,000 7,00000	Load Radius (ft) 28.0 30.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 55.0 60.0 65.0 70.0 75.0 80.0 95.0 100.0 105.0 100.0 115.0 110.0 115.0 125.0	160 Boom (deg.) 81.5 80.7 80.0 79.3 78.6 77.8 80.0 79.3 78.6 77.8 77.5 69.6 67.7 63.7 61.7 63.7 61.7 59.7 55.4 53.2 50.9 48.6 46.1 43.6 40.9 38.1 33.0 38.1 50.9 48.6 51.9 51.9 51.9 51.9 51.9 51.9 51.9 51.9	D Boon 0 Degree Machine 0 List 44,090 * 4 3,430 * 42,760 * 4 40,520 37,560 3 4,980 29,710 25,680 22,480 19,880 17,720 15,930 14,390 13,070 11,920 10,910 10,000 9,210 8,500 7,870 7,290 6,760 6,280 5,860	1) 50° Patect 1 Degree Machine 20,800 18,400 16,400 14,800 13,400 12,200 11,100 10,100 9,300 8,700 8,000 7,400 6,800 6,400 6,000 5,500 5,100	17,100 17,100 15,400 14,000 12,700 11,500 10,500 9,700 8,800 8,200 7,500 7,100 6,500 6,500 5,300	12,000 12,000 11,600 10,900 9,900 9,200 8,500 7,900 7,200 6,700 6,300 5,400 5,400
Load Padius (ft) 24.0 26.0 28.0 30.0 32.0 34.0 38.0 40.0 45.0 55.0 60.0 55.0 60.0 55.0 60.0 55.0 60.0 55.0 60.0 55.0 60.0 55.0 60.0 55.0 60.0 55.0 60.0 90.0 95.0 100.0 115.0 110.0 115.0	1440 Boom (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.0 75.2 73.1 70.9 76.0 75.2 73.1 70.9 66.5 64.3 62.0 59.6 57.2 55.6 57.2 54.7 55.2 46.8 43.9 40.8 37.6 34.0	P Boo 3 0 Degree Machine List 61,720 * 60,840 57,980 52,530 47,950 44,040 40,670 37,740 35,160 29,910 25,880 20,100 17,960 16,150 14,630 13,310 12,160 11,170 10,290 9,500 8,790 8,170 7,620 7,120	m 60° Pateet 1 Degree Machine List 24,100 21,200 18,800 16,800 15,100 13,700 12,500 11,500 10,600 9,800 9,000 8,300 7,700 7,200 6,700	22,300 19,700 17,700 15,800 14,400 13,100 12,000 10,100 9,400 8,700 8,100 7,500 7,000 6,500	3 Degree Machine List 15,700 14,900 13,600 12,400 11,400 10,600 9,700 8,300 7,700 7,200 6,800 6,400	Load Padius (it) 26.0 28.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 55.0 60.0 65.0 70.0 80.0 80.0 90.0 95.0 100.0 105.0 110.0 115.0 125.0 130.0	15 (<i>deg.</i>) 80.7 78.6 77.8 77.0 76.2 74.2 74.2 74.2 70.2 68.2 66.1 64.0 61.8 59.6 57.4 55.1 55.7 55.1 52.7 55.3 47.7 45.1 42.3 39.4 36.2 32.8	D' Boo 0 Degree Machine List 52,680 * 51,800 * 51,140 * 47,810 43,890 40,540 37,610 35,030 29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000 10,110 9,320 8,640 8,000 7,420 6,920 6,450 6,040	60° Pateet 1 Degree Machine List 23,700 20,900 18,600 16,600 15,000 13,700 12,300 11,300 9,500 8,100 7,500 7,100 6,600 6,100	19,200 17,400 17,400 17,400 15,600 14,100 12,800 11,700 10,600 9,800 9,100 8,400 7,800 7,200 6,700 6,300 5,800 5,600	13,700 13,100 12,100 11,100 11,100 10,200 9,400 8,600 8,600 8,000 7,600 7,000 6,500 6,100 5,700 5,300	Load Radius (ft) 28.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 60.0 65.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 115.0	160 Boom (deg.) 81.5 80.7 79.3 78.6 77.8 77.1 75.2 73.4 71.5 73.4 71.5 69.6 67.7 63.7 61.7 59.7 57.6 55.4 53.2 50.9 48.6 40.9 38.1 35.0 31.8	Becon 0 Degree Machine List 44,090 * 43,430 * 42,100 * 42,100 * 40,520 37,560 34,980 29,710 25,680 29,710 25,680 17,720 15,930 14,390 13,070 11,920 10,910 10,000 9,210 8,500 7,870 7,290 6,760 6,280 5,860 5,440 5,070	1) 50° Patect 1 Degree Machine List 20,800 18,400 16,400 14,800 13,400 12,200 11,100 10,100 9,300 8,000 7,400 6,800 6,400 6,000 5,500 5,100	17,100 15,400 14,000 15,400 14,000 12,700 11,500 10,500 9,700 8,800 8,200 7,500 6,500 6,500 6,500 5,600 5,600 5,600 5,600 5,600 5,600	3 Degree Machine 12,000 11,600 10,900 9,900 9,200 8,500 7,900 6,700 6,300 5,800 5,400 5,000 4,600 4,400
Load Radius (ft) 24.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0 120.0	1440 Boom Angle (deg.) 81.9 81.1 80.2 79.4 78.6 77.7 76.9 76.0 75.2 73.1 70.9 68.7 64.3 62.0 59.6 57.2 54.7 52.2 49.5 46.8 43.9 40.8 37.6 34.0	P Eco 3 0 Degree Machine 1 do the second	m 60° Patex 1 Degree Machine 1 Jegree Machine 1 Jegree 1 Jegree	22,300 19,700 17,700 15,800 14,400 13,100 12,000 11,000 10,100 9,400 8,700 8,100 7,500 7,000 6,500	3 Degree Machine List 15,700 14,900 13,600 12,400 11,400 10,600 9,700 8,900 8,300 7,700 7,200 6,800 6,400	Load Padius (it) 26.0 28.0 32.0 34.0 36.0 38.0 40.0 45.0 55.0 60.0 55.0 60.0 75.0 60.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 115.0 120.0 115.0 120.0	150 Boom (deg) 81.7 80.9 80.1 79.3 78.6 77.8 77.0 76.2 74.2 70.2 74.2 70.2 74.2 70.2 66.1 61.8 59.6 64.0 61.8 59.6 57.4 55.1 52.7 50.3 47.7 45.1 42.3 39.4 36.2 32.8	D' BOO 0 Degree Machine List 52,680 * 51,140 * 47,810 43,890 40,540 37,610 35,030 29,760 25,720 22,530 19,950 17,810 16,000 14,480 13,160 12,010 11,000 10,110 9,320 8,640 8,000 7,420 6,920 6,450 6,040	m 60° Patect 1 Degree Machine List 23,700 20,900 18,600 16,600 15,000 13,700 12,300 11,300 10,400 9,500 8,700 8,700 8,100 7,500 7,100 6,600 6,100	19,200 17,400 17,400 15,600 14,100 12,800 11,700 10,600 9,800 9,100 8,400 7,800 7,200 6,700 6,300 5,600	3 Degree Machine List 13,700 13,100 12,100 11,100 10,200 9,400 8,600 8,000 7,600 7,000 6,500 6,100 5,700 5,300	Load Radius (ft) 28.0 30.0 32.0 34.0 38.0 40.0 55.0 60.0 65.0 75.0 60.0 65.0 75.0 80.0 90.0 95.0 100.0 105.0 100.0 105.0 115.0 115.0 125.0 135.0 140.0	160 Boom (deg.) 81.5 80.7 77.8 77.8 77.8 77.8 77.7 75.2 73.4 71.5 69.6 67.7 63.7 61.7 57.6 67.7 61.7 57.6 63.7 61.7 57.6 63.7 61.7 57.6 63.2 50.9 48.6 46.1 43.6 40.9 38.1 35.0 31.8	2 Boon 3 0 Degree Machine List 44,090 * 43,430 * 42,760 * 42,100 * 40,520 37,560 34,980 29,710 25,680 29,710 25,680 29,710 25,680 29,710 15,930 14,390 15,930 14,390 15,930 14,390 10,910 10,910 8,500 7,870 7,290 6,760 6,280 5,860 5,440 5,070	1) 50° Patect 1 Degree Machine 20,800 18,400 16,400 14,800 13,400 12,200 11,100 10,100 9,300 8,700 8,000 7,400 6,800 6,400 6,000 5,500 5,100	17,100 17,100 15,400 14,000 12,700 11,500 10,500 9,700 8,800 8,200 7,500 7,100 6,500 6,000 5,300 5,300 5,300 4,500	3 Degree Machine 12,000 11,600 10,900 9,900 8,500 7,900 7,200 6,700 6,300 5,800 5,400 5,600 4,600

Refer to notes on page 30.

Barge

5 Counterweights (57,590 lbs) - 2 Carbody weights (14,340 lbs) - Crawlers in extended position.

170' Boom				180' Boom					190' Boom								
		30	60° Rated	d Load (Ik	os)			3	60° Rate	d Load (Ib	os)			3	60° Rated	d Load (ll	bs)
Load Radius	Boom Angle	0 Degree Machine	1 Degree Machine	2 Degree Machine	3 Degree Machine	Load Radius	Boom Angle	0 Degree Machine	1 Degree Machine	2 Degree Machine	3 Degree Machine	Load Radius	Boom Angle	0 Degree Machine	1 Degree Machine	2 Degree Machine	3 Degree Machine
28.0	82.0	38,800 *	LISI	Liot	<u></u>	30.0	81.8	33,730*	Liot	LISI	LISI	32.0	81.6	29,540*	LISI	10	Liot
30.0	81.3	38,130*				32.0	81.1	33,060 *				34.0	81.0	28,880 *			
32.0	80.6	37,470*				34.0	80.5	32,620*				36.0	80.4	28,430 *			
36.0	79.9	36,370*				38.0	79.0	31,520*				40.0	79.2	27,550*			
38.0	78.6	35,710*				40.0	78.5	31,080*				45.0	77.6	26,450*			
40.0	77.9	34,780				45.0	76.9	29,250				50.0	76.1	25,300			
45.0 50.0	76.1	29,510				50.0	73.6	25,220				55.0 60.0	74.5	19,510	16.800		
55.0	72.6	22,260	20,500			60.0	72.0	19,400	17,800			65.0	71.3	17,350	15,600		
60.0	70.8	19,660	18,100	15,700		65.0	70.3	17,260	15,900	13,700		70.0	69.7	15,540	14,200	11,700	0.100
65.0 70.0	69.1	17,520	16,100	15,000		70.0	68.6 66.8	15,450	14,300	13,100	9 300	75.0 80.0	68.1 66.5	13,990	12,800	10,600	8,100 7,900
75.0	65.4	14,170	13,100	12,400	10,400	80.0	65.1	12,560	11,700	10,800	9,000	85.0	64.8	11,500	10,700	9,900	7,700
80.0	63.5	12,850	11,900	11,200	10,200	85.0	63.3	11,410	10,600	10,000	8,800	90.0	63.2	10,470	9,600	9,000	7,300
85.0	61.6	11,680	10,800	10,300	9,600	90.0	61.5	10,400	9,600	9,100	8,500	95.0	61.4 59.7	9,560	8,800	8,200	6,900
90.0 95.0	57.7	9,780	9,900	8,600	8,200	100.0	57.8	8,700	8,100	7,600	7,200	105.0	57.9	8,040	7,500	7,000	6,300
100.0	55.7	8,990	8,400	7,900	7,600	105.0	55.9	8,000	7,300	7,000	6,600	110.0	56.1	7,400	6,900	6,500	5,800
105.0	53.6	8,260	7,800	7,200	6,900	110.0	54.0	7,340	6,800	6,400	6,100	115.0	54.3	6,810	6,300	5,900	5,400
115.0	49.3	7,620	6.600	6,200	6,000	120.0	52.0 49.9	6,230	5,700	5,900 5.500	5,600	120.0	52.4	5,750	5,800	5,400 5,000	4,600
120.0	47.0	6,520	6,100	5,700	5,600	125.0	47.8	5,700	5,300	4,800	4,600	130.0	48.5	5,260	4,800	4,600	4,200
125.0	44.7	6,040	5,600	5,300	5,100	130.0	45.6	5,220	4,800	4,600	4,200	135.0	46.4	4,800	4,400	4,200	3,800
130.0	42.2 39.6	5,570	5,200 4.800	4,900	4,700	135.0	43.3	4,780	4,400	4,200 3.800	3,900	140.0	44.3	4,400	3,900	3,700	3,500
140.0	36.9	4,760	4,400	4,200	3,900	145.0	38.4	4,030	3,600	3,500	3,200	150.0	39.8	3,680	3,300	3,100	2,900
145.0	34.0	4,380	4,100	3,800	3,700	150.0	35.8	3,680	3,400	3,200	3,000	155.0	37.4	3,350	3,000	2,900	2,600
150.0	30.8	4,050			3,300	155.0	55.0	3,370	3,100	2,900	2,800	165.0	34.8 32.0	2,770	2,700	2,000	
Re	20//06	1	2		-	_		<u> </u>		•	-	Dec		2	_	~	_
10	000	-	2	2	2	Ree	eves	Z	2	2	Z	Ree	eves	Z	2	Z	2
	200)' Booi	n 2	Z	2	Ree	eves	Z	Z	2	2	Ree	eves	Z	2	2	2
	200)' Booi 30	n 10° Rated	1 Load (lb	2 ns)	Ree	eves	2	Z	2	2	Ree	eves	2	2	2	2
Load Radius (ft)	200 Boom Angle (deg.))' BOOI 30 0 Degree Machine List	1 Degree Machine List	1 Load (IL 2 Degree Machine List	2 (S) 3 Degree Machine List	Ree	eves	2		2		Ree	eves		2	2	2
Load Radius (ft) 34.0	Boom Angle (deg.) 81.4)' Booi 30 0 Degree Machine List 25,790 *	Diagram	1 Load (Ik 2 Degree Machine List	2 >S) 3 Degree Machine List	Ree	eves	2		2		Rec	eves		2	2	2
Load Radius (ft) 34.0 36.0 38.0	Boom Angle (deg.) 81.4 80.9 80.3)' Booi 30 0 Degree Machine List 25,790 * 25,350 * 24,910 *	1 Degree Machine List	1 Load (Ik 2 Degree Machine List	2 DS) 3 Degree Machine List	Ree	eves	2		2		Rec	eves		2		2
Load Radius (ft) 34.0 36.0 38.0 40.0	200 Boom Angle (deg.) 81.4 80.9 80.3 79.7	O' BOOI 30 0 Degree Machine List 25,790 * 25,350 * 24,910 * 24,470 *	n 50° Ratec 1 Degree Machine List	2 1 Load (Ik 2 Degree Machine List	2 DS) 3 Degree Machine List	Ree	eves	2				Rec	eves		2		2
Load Radius (ft) 34.0 36.0 38.0 40.0 45.0	200 Boom Angle (deg.) 81.4 80.9 80.3 79.7 78.2 260	Pick Pick 0 Degree Machine 125,790 * 25,790 * 25,790 * 24,910 * 24,470 * 23,360 *	n 60° Patec 1 Degree Machine List	2 1 Load (Ik 2 Degree Machine List	2 ns) 3 Degree Machine List	Ree	eves	2					eves		2	2	2
Load Padius (ft) 34.0 36.0 38.0 40.0 45.0 50.0 55.0	Boom Angle (deg.) 81.4 80.9 80.3 79.7 78.2 76.8 75.3	 Bool Bool Bool Bool Bool Cogree Machine List 25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 1380 * 	n 50° Patec 10 egree Machine List	2 1 Load (IL 2 Degree Machine List	2 IS) 3 Degree Machine List	Ree	eves	2		2		Ret	eves		2		2
Load Padius (ft) 34.0 36.0 38.0 40.0 45.0 50.0 55.0 60.0	Boom Angle (deg.) 81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8	O Degree Machine 25,790 * 25,350 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310	n 60° Patec 1 Degree Machine List	2 Load (IL 2 Degree Machine List	2 3 Degree Machine List		eves	2		2		Ret	eves		2		2
Load Radius (ft) 34.0 38.0 40.0 45.0 55.0 60.0 65.0	200 Boom Angle (deg.) 81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 73.8 72.3	D' Booi 38 0 Degree Machine List 25,790 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150	14,100	2 Degree Machine List	2 3 Degree Machine List		eves	2		2			eves		2		2
Load Radius (ft) 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 60.0 65.0 70.0 75.0	200 Boom Angle (deg.) 81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 70.8 69.3	25,790 * 25,790 * 25,500 * 24,910 * 24,470 * 23,360 * 22,480 * 19,310 17,150 15,320 13,770	2 30° Ratec 1 Degree Machine List 14,100 13,200 12,400	2 1 Load (ll: 2 Degree Machine List 10,200 9,600	2 3 Degree Machine List		eves	2					eves		2		
Load Radius (ft) 34.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0	2000 Angle (deg.) 81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 75.3 73.8 72.3 70.8 69.3 67.7	b Boot 3 b Boot 3 b Boot 3 b Boot 3 b Boot 1 25 ,790 * 25 ,790 * 25 ,790 * 25 ,790 * 25 ,790 * 24 ,910 * 24 ,910 * 24 ,910 * 24 ,910 * 24 ,910 * 27 ,780 * 17 ,150 * 15 ,320 * 13 ,770 * 12 ,430 *	2 50° Patec 1 Degree Machine List 14,100 13,200 12,400 11,300	2 2 Degree Machine List 10,200 9,600 9,100	2 3 Degree Machine List 6,800	Rec	eves								2		
Load Padius (ft) 34.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 77.0 80.0 85.0	Boom Angle (deg.) 81.4 80.9 80.3 79.7 78.2 76.8 73.3 70.8 69.3 67.7 66.2	Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Constantion Const	2 1 Degree Machine List 14,100 13,200 12,400 11,300 10,400	2 2 Degree Machine 10,200 9,600 9,100 8,600	2 3 Degree Machine List 6,800 6,600		eves								2		
Load Padius (ft) 34.0 38.0 40.0 45.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0	Boom Angle (deg.) 81.4 80.9 80.3 79.7 78.2 76.8 73.8 70.8 69.3 67.7 662.6 63.0	P Bool 38 38 0 Degree Machine List 25,750 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 11,260 10,250 9.340	2 30° Ratec 1 Degree Machine List 14,100 13,200 12,400 11,300 10,400 9,400 8,600	2 2 Degree Machine List 10,200 9,600 9,100 8,600 8,100 7,600	2 3 Degree Machine List 6,800 6,600 6,200		eves								2		
Load Redius (ft) 34.00 38.00 45.00 55.00 65.00 65.00 75.00 65.00 75.00 80.00 80.00 9	Boom Angle (deg.) 81.4 80.9 80.3 79.7 76.8 73.8 70.3 70.8 60.3 67.7 66.2 64.6 63.0 61.4	25,350 * 24,910 * 23,360 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 11,260 9,340 8,530	2 50° Ratec I Degree Machine List 14,100 13,200 12,400 11,300 10,400 9,400 8,600 7,900	2 2 Degree Machine List 10,200 9,600 9,100 8,100 7,600 7,100	2 3 Degree Machine List 6,800 6,600 6,200 5,900 5,500		eves								2		
Load Radius (ft) 34.00 36.00 38.0 40.0 45.00 55.00 65.00 75.00 65.00 75.00 80.00 90.0 90.0 90.0 90.0 90.0 90.0	2000 200 2000 2	25,350 × 2,4910 × 2,360 × 2,4910 × 2,4910 × 2,4910 × 2,480 × 2,480 × 2,480 × 2,1380 × 19,310 17,150 15,320 13,770 12,430 11,260 10,250 9,340 8,530 7,820 × 2,8	2 30° Ratect 1 Degree Machine List 14,100 13,200 12,400 11,300 10,400 9,400 8,600 7,900 7,300	2 2 Degree Machine List 10,200 9,600 9,100 8,600 8,100 7,600 7,100 6,600	2 3 Degree Machine List 6,800 6,600 6,200 5,900 5,500 5,100		eves						2005		2		
Load Padius (ft) 34.0 36.0 38.0 40.0 45.0 55.0 60.0 65.0 60.0 65.0 80.0 85.0 90.0 95.0 100.0 110.0 110.0	2000 200 2000 2	P Bool 38 38 0 Degree Machine List 38 25,790 * 25,350 * 25,350 * 24,910 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 11,260 10,250 9,340 8,530 7,820 7,820 7,160	2 1 Degree Machine List 14,100 13,200 12,400 11,300 10,400 9,400 8,600 7,900 7,900 7,300 6,000	2 2 Degree Machine 10,200 9,600 9,100 8,600 8,100 7,600 7,100 6,600 6,000 5,600	2 3 Degree Machine List 6,800 6,600 6,600 6,200 5,500 5,500 5,100 4,900		eves								2		
Load Padius (ft) 34.0 36.0 38.0 40.0 45.0 55.0 60.0 55.0 60.0 75.0 80.0 85.0 90.0 95.0 100.0 105.0 100.0 115.0 120.0	2000 Angle (deg.) 81.4 80.9 80.3 79.7 78.2 75.3 73.8 72.3 70.8 69.3 67.7 66.2 64.6 63.0 61.4 59.7 56.3 54.6	P Bool 38 38 20 Degree Machine List 38 25,790 * 25,590 * 25,790 * 24,470 * 23,360 * 24,470 * 23,360 * 24,470 * 23,360 * 13,370 12,430 17,150 15,320 13,770 12,430 11,260 10,250 9,340 8,530 7,820 7,160 6,560 5,970 5,970	2 1 Degree Machine List 14,100 13,200 12,400 11,300 10,400 9,400 8,600 7,900 7,900 7,900 6,600 6,000 5,400	2 2 Degree Machine 10,200 9,600 9,100 8,600 8,600 8,600 8,600 7,600 7,000 6,000 5,600 5,000	2 3 Degree Machine List 6,800 6,600 6,200 5,500 5,500 5,500 5,100 4,900 4,500 4,200		eves								2		
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Load Radius (ft) 34.00 36.00 38.00 38.00 55.00 65.00 55.00 65.00 75.00 65.00 75.00 80.00 9	2000 Boom Angle (deg.) 81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 73.8 73.7 78.2 76.8 75.3 73.8 75.3 73.8 73.7 76.8 75.3 73.8 70.7 76.2 66.2 64.6 63.0 61.4 59.7 58.1 56.3 54.6 51.0 54.6 51.0 54.0 51.0 54.0 51.0 54.0 51.0 54.0 51.0	P Bool 38 38 0 Degree Machine List 25,790 * 25,350 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 11,260 9,340 8,530 7,820 7,160 6,550 5,970 5,440 4,960 4,510	2 30° Ratect 10 Degree Machine List 14,100 13,200 12,400 11,300 10,400 9,400 8,600 7,900 7,300 6,600 6,000 5,400 5,400 5,400 5,400 1,400 1,100 1,000	2 2 Degree Machine List 10,200 9,600 9,600 9,600 9,600 8,100 7,600 7,100 6,600 6,000 5,600 5,600 5,600 5,600 4,100 3,700	2 3 Degree Machine List 6,800 6,600 6,200 5,500 5,500 5,100 4,900 4,500 4,500 4,200 3,800 3,600		eves						2005		2		
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Load Padius (ft) 34.00 38.00 55.00 65.00 65.00 65.00 65.00 65.00 77.00 77.00 80.00 85.00 90.00 105.00 105.00 110.00 115.00 115.00 135.00 140.00 155.0	2000 Poom Angle (deg.) 81.4 80.9 80.3 79.7 78.2 76.8 75.3 73.8 72.3 73.8 72.3 70.8 69.3 60.3 61.4 63.0 61.4 59.7 58.1 56.3 54.6 52.8 51.0 49.1 47.2 43.1 41.0 41.	P Bool 38 38 20. Degree Machine List 25,350 * 24,910 * 24,470 * 24,470 * 23,360 * 22,480 * 21,380 * 19,310 17,150 15,320 13,770 12,430 11,260 10,250 9,340 8,530 7,820 7,160 6,5660 5,970 5,440 4,960 4,510 4,100 3,700 3,3040 1	2 30° Ratec 1 Degree Machine List 14,100 13,200 12,400 11,300 12,400 11,300 10,400 9,400 8,600 6,600 6,600 6,600 6,600 6,600 5,400 5,000 5,400 5,000	2 2 Degree Machine List 10,200 9,600 9,100 8,600 8,100 7,600 7,100 6,600 6,000 5,600 5,000 4,500 4,500 4,100 3,700 3,400 3,000 2,800	2 3 Degree Machine List 6,800 6,600 6,200 5,500 5,500 5,500 5,500 5,100 4,900 4,500 4,200 3,800 3,600 3,200 2,900 2,600		eves										

Refer to notes on page 30.



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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