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Link-Belt®
CONSTRUCTION EQUIPMENT

LS-238H HYLAB

150-ton *(136 t)* Hydraulic Lattice Boom Crawler Crane



Superior Crawler Crane Transportability!

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Dependable Hydraulic Control System

• No Electronics

Maximum Transportability

• Less Than 60,000# *(27 216 kg)* Upper, Carbody and Mast

Two Hour Self-Assembly Time Without A Helper Crane

The HYLAB LS-238H *lift crane features unmatched transportability. This Hydraulic Lattice Boom (HYLAB) crawler crane also features pilot operated hydraulic controls that have been setting industry standards for over 50 years. The basic HYLAB hydraulic system has been proven in over 2,000 crawler cranes currently working worldwide assuring the user of unprecedented reliability.*

Non-Assisted Stripdown…No Helper Crane Needed…And Can Be Transported Without Separating The Upper And Lower

Move Quickly From Job To Job Link-Belt leads the way again in designing another transportable, big capacity crawler crane. The weight efficient design and "built-in" stripdown features will get the LS-238H to the next jobsite quicker and at less cost.





- Standard quick disconnects on traction motor and jacking cylinder hoses.
- Superior counterweight lowering system.
- A specially equipped 10' *(3.05 m)* boom extension is available with necessary sheaves for handling crawler tracks, counterweight and boom during self-stripdown or erection. This extension can also be used in the normal boom makeup...no need to repeatedly remove or insert this section once installed.

Lower Frame Jacking Cylinders A hydraulic jacking system lifts the upper, lower frame, and tread members off the ground with four available hydraulic jacks pinned to the lower frame. Side frames are removed and a trailer can then be backed under the lower frame and upper for transport.

Variable Displacement Hydraulic System Provides Maximum Reliability And Precise Load Control

Hydraulic Power System Two variable displacement piston pumps provide power to individual hydraulic motors for fast, efficient operation of main, auxiliary and boomhoist drums. Fully independent hydraulic control allows drums to be run simultaneously at different speeds or in different directions.



Freefall Mode Select Either automatic brake mode or true gravity freefall mode of operation for load lowering can easily be selected to suit the job being done. Freefall mode permits the operator to pour concrete on a production basis or drop a hook quickly back to ground level for maximum productivity of setting steel.

Load Control The variable displacement system provides infinite control of load speed in hoist and lowering modes. Load speed is directly proportional to lever movement. This infinite control of drum speed allows operator to choose the most efficient combination of speed and power for each load. Maximum full load line speed of over 279 fpm *(85 m/min)* results in reduced cycle times.

Fine Inching Control For super precise control of load lowering/hoisting, boomhoist or travel, hydraulic pump flow can be minimized by activating the pump control switch. This allows the operator to place loads with either the main or auxiliary drums with extreme accuracy.

Link-Belt Construction Equipment Company Lexington, Kentucky
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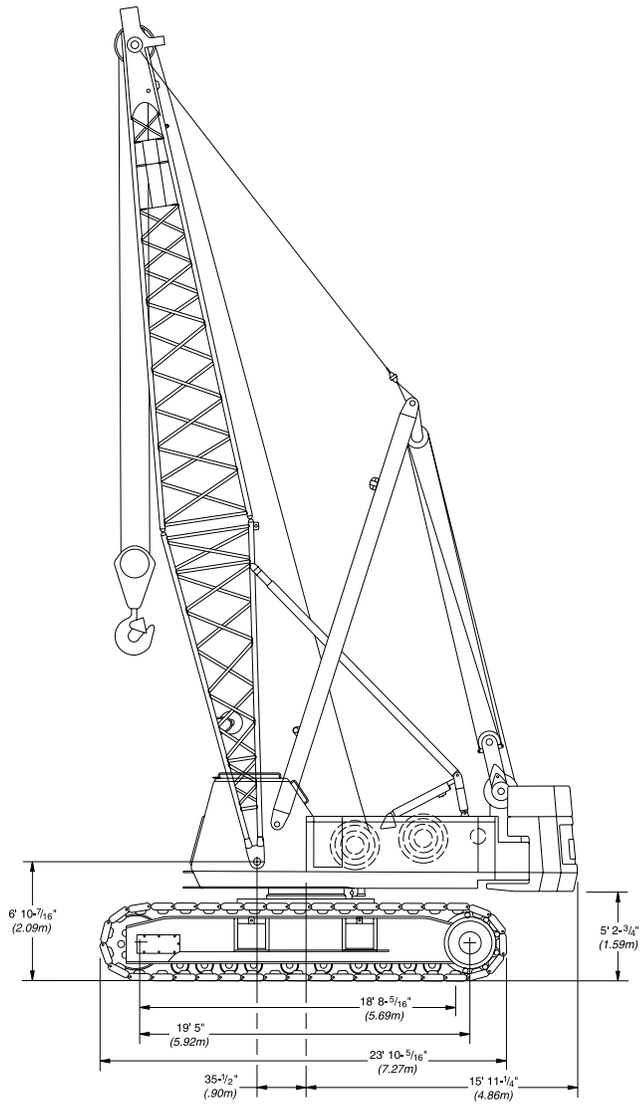
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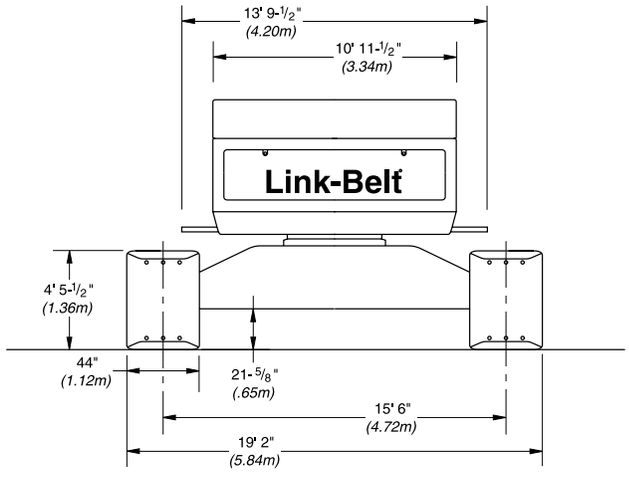
Specifications

Hydraulic Lattice Boom Crawler Crane

LS-238H

150-Ton *(136 metric ton)*





Not to Scale

General dimensions	feet	*meters*
Basic boom length	50	*15.24*
Overall width of machine with 44" *(1.12 m)* track shoes	19.17	*5.84*
Overall width of cab w/catwalks both sides	13.79	*4.20*
Overall width of cab less catwalks	10.95	*3.34*

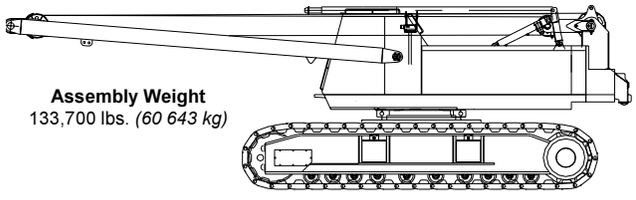
General dimensions	feet	*meters*
Tailswing of counterweight "A"	14.95	*4.50*
Tailswing of counterweight "AB"	15.94	*4.85*
Tailswing of counterweight "ABC"	15.94	*4.85*
Overall height for transport w/boom base	13.31	*4.05*
Overall height for transport w/live mast only	13.31	*4.05*
Maximum tailswing of live mast	19.71	*6.01*

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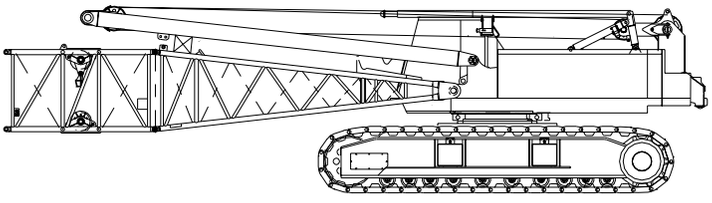
Machine Working Weights - approximate

Based on standard machine including Isuzu 6SD1TQB diesel engine, turntable bearing, independent hydraulic powered drums, boomhoist limiting device, independent hydraulic swing and travel, counterweight "ABC", swing brake, drum rotation indicators, and 15' 6" *(4.72 m)* gauge by 23' 10" *(7.26 m)* long crawler lower with 44" *(1.12 m)* wide track shoes, sealed track rollers, catwalks, hydraulic boomfoot pin removal, plus the following:	Ctwt. "A"		Ctwt. "AB"		Ctwt. "ABC"		Ctwt. "ABC" + Track Ctwts.	
	lbs.	*kg*	lbs.	*kg*	lbs.	*kg*	lbs.	*kg*
Lifting Crane - includes 50' *(15.24 m)* basic tubular boom, 26' *(7.92 m)* live mast, 950' *(289.6 m)* of 7/8" *(22 mm)* diameter wire rope, 465' *(141.7 m)* of 7/8" *(22 mm)* diameter boomhoist rope, 150-ton *(136 mt)* hookblock, and basic pendants.	165,775	*75 194*	185,100	*83 962*	211,775	*96 060*	231,775	*105 131*

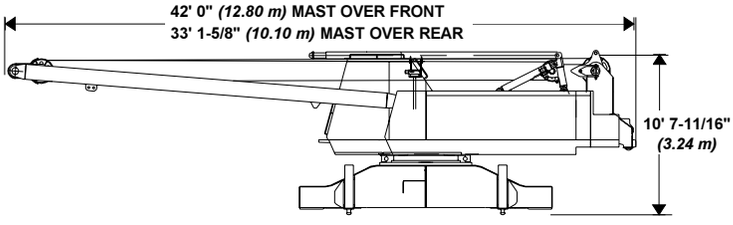
Transport Weights and Dimensions - ± 3%



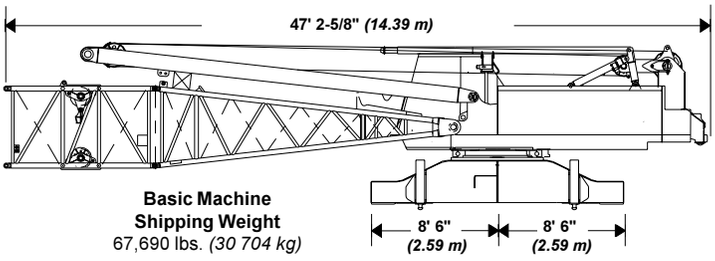
Assembly Weight
133,700 lbs. *(60 643 kg)*



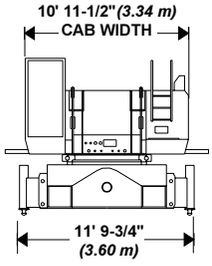
Assembly Weight
138,935 lbs. *(63 020 kg)*

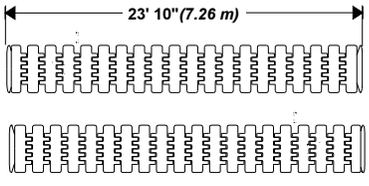


Basic Machine Shipping Weight
59,759 lbs. *(27 107 kg)* Upper & Carbody
+ 2,684 lbs. *(1 217 kg)* Carbody Jacks
62,443 *(28 324 kg)* Total

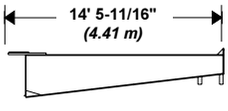


Basic Machine Shipping Weight
67,690 lbs. *(30 704 kg)*



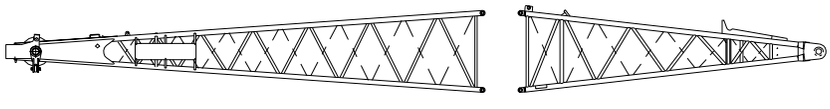


Tread Members
35,675 lbs. *(16 182kg)* each
44" (1.12m) Track shoes



Counterweight Assist Frame
3,400 lbs. *(1 542 kg)*
(not included in basic machine weight)

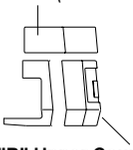
70" x 62" (1.77 x 1.57 m) tubular cross-section tubular boom



30' *(9.14 m)* Peak Section
4,020 lbs. *(1 823 kg)*

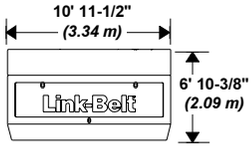
20' *(6.10 m)* Base Section w/power pins
3,625 lbs. *(1 644 kg)* - w/o third drum winch
5,625 lbs. *(2 552 kg)* - w/third drum winch assembly

"C" Upper Counterweight
26,670 lbs. *(12 098 kg)*

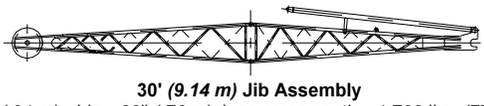


"B" Upper Counterweight
19,330 lbs. *(8 768 kg)*

"A" Upper Counterweight
23,000 lbs. *(10 433 kg)*



"ABC" Counterweight
69,000 lbs. *(31 298 kg)*



30' *(9.14 m)* Jib Assembly
36" *(.91 m)* wide x 30" *(.76 m)* deep cross-section 1,700 lbs. *(770 kg)*

Optional Boom Sections	
10' *(3.05 m)* boom extension	676 lbs. *(400 kg)*
10' (3.05 m) with sheaves boom extension	2,050 lbs. *(930 kg)*
20' *(6.10 m)* boom extension	1,164 lbs. *(645 kg)*
30' *(9.14 m)* boom extension	1,669 lbs. *(888 kg)*
40' *(12.19 m)* boom extension	2,156 lbs. *(1 131 kg)*
50' *(15.24 m)* boom extension	2,638 lbs. *(1 197 kg)*
Misc. Items	
Axle wedge packs (4)	336 lbs. *(152 kg)*
30' *(9.14 m)* basic pendants	328 lbs. *(148 kg)*



Track Counterweights (2)
10,000 lbs. *(4 536 kg)* each
(not included in basic machine weight)

Third Drum Winch
2,000 lbs. *(907 kg)* each
(not included in basic machine weight)

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Crawler Mounting

Lower frame

All welded high strength steel (100,000 psi yield), box construction; precision machined surfaces for turntable bearing and axle plates.

Turntable bearing

Outer race bolted to upper frame; inner race with internal swing gears bolted to lower.

Crawler side frames

All welded, precision machined and removable. Positioned on cross axles by dowels and held in place with adjustable wedgepacks.

Track drive sprockets

Cast steel, heat treated, self-cleaning. Powered by hydraulic motors through double reduction gear drive.

Track carrier slide rails

Slide rails on top of each side frame.

Track rollers

Heat treated, mounted on oil filled "lifetime sealed" anti-friction bearings; 10 per side crawler side frame.

Tracks

Heat treated, self-cleaning, multiple hinged track shoes joined by one piece full floating pins; 42 shoes per side frame - 44" *(1.12 m)* wide.

Track tension adjustment - Idler wheel adjusted by means of hydraulic cylinder and hand pump. Idler wheel shaft held in position with shims after adjustment is made.

Take up idlers

Cast steel, heat treated, self-cleaning, mounted on aluminum/bronze bushings. Lubricated through idler shaft.

Independent hydraulic travel/ steering

Power transmitted by axial piston hydraulic motors through double reduction unit to track drive sprocket.

Steering - Axial piston motor with reduction gear is located at inner drive end of each crawler side frame. Each track is driven simultaneously or individually for straight-line, gradual turn, or pivot turn. The tracks can be counterrotated for spin turns.

Brakes - Spring applied, hydraulically released multiple disc brakes are applied automatically when the control lever is in the neutral position.

Travel speed - 0.61 mph *(0.97 km/hr)*.

Gradeability - 30%

Jacking system

Optional; four ground controlled, power hydraulic jacks, pinned to the lower carbody frame, used to raise the machine to facilitate removal or installation of the crawler side frames.

Ground contact area and ground bearing pressure

Based on standard machine equipped with "ABC" counterweight and 50' *(15.24 m)* tubular boom.

Track shoes		Ground contact area		Ground bearing pressure	
inches	*meters*	sq. in.	*cm^2*	psi	*kg/cm^2*
44	*1.12*	20,500	*132 258*	10.33	*0.72*

Revolving Upperstructure

Frame

All welded and precision machined.

Turntable bearing

With integral swing (ring) gear. Inner race with internal swing gear is bolted to lower frame.

Engine

Full pressure lubrication, oil filter, air cleaner, hour meter and throttle, electric control shutdown.

Fuel tank

77 gallon *(291 liter)* capacity; equipped with fuel sight level gauge, flame arrester, and self-closing cap with locking eye for padlock.

Engine Specifications	**Isuzu 6SD1TQB**
Number of cylinders	6
Bore and stroke: inch	4.72 x 5.71
- *(mm)*	*(115 x 135)*
Piston displacement - cu. in.	600
- *(cm^3)*	*(8 413)*
High idle speed - rpm	2,325
Engine rpm at full load speed	2,100
Net engine hp at full load speed	207
Peak torque - foot pounds	513
- *joules*	*(696)*
Peak torque - rpm	1,400
Electrical system	24-volt
Batteries	2 - 12 volt

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LS-238H Load Hoisting Performance

Available line speed and line pull
Line pulls are not based on wire rope strength. See wire rope chart below for maximum permissible single part of line working loads.

Line Speeds and Pulls

Rope layer	Front Drum - 7/8" *(22 mm)* wire rope						Rear Drum - 7/8" *(22 mm)* wire rope					
	Maximum line pull		No load line speed		Full load line speed		Maximum line pull		No load line speed		Full load line speed	
	lbs.	*kg*	ft./min	*m/min*	ft./min	*m/min*	lbs.	*kg*	ft./min	*m/min*	ft./min	*m/min*
1	35,913	*16 290*	227	*69*	113	*35*	22,154	*10 049*	368	*112*	184	*56*
2	33,081	*15 006*	246	*75*	123	*38*	20,407	*9 257*	399	*122*	200	*61*
3	30,649	*13 902*	266	*81*	133	*41*	18,906	*8 576*	431	*131*	216	*66*
4	28,562	*12 956*	285	*87*	143	*43*	17,619	*7 992*	462	*141*	231	*71*
5	26,730	*12 125*	305	*93*	152	*46*	16,489	*7 479*	494	*151*	247	*75*
6	25,129	*11 399*	324	*99*	162	*49*	15,502	*7 031*	525	*160*	263	*80*
7	23,700	*10 750*	344	*105*	172	*52*	14,620	*6 632*	557	*170*	279	*85*

Rope layer	Boomhoist Drum - 7/8" *(22 mm)* wire rope						Third Drum - 3/4" *(19 mm)* wire rope					
	Maximum line pull		No load line speed		Full load line speed		Maximum line pull		No load line speed		Full load line speed	
	lbs.	*kg*	ft./min	*m/min*	ft./min	*m/min*	lbs.	*kg*	ft./min	*m/min*	ft./min	*m/min*
1	40,842	*18 526*	112	*34*	100	*30*	18,961	*8 601*	248	*76*	185	*56*
2	36,760	*16 674*	124	*38*	111	*34*	17,607	*7 986*	268	*82*	199	*61*
3	33,417	*15 158*	136	*42*	122	*37*	16,433	*7 454*	287	*88*	214	*65*
4	30,633	*13 895*	149	*45*	133	*41*	15,406	*6 988*	306	*93*	228	*70*
5	28,276	*12 826*	161	*49*	144	*44*	14,500	*6 577*	325	*99*	242	*74*
6	26,257	*11 910*	174	*53*	155	*47*	--	--	--	--	--	--
7	24,506	*11 116*	186	*57*	166	*51*	--	--	--	--	--	--

Wire Rope Drum Capacities

Rope layer	Boomhoist Drum Capacity - 7/8" *(22 mm)* wire rope					
	Pitch Diameter		Layer		Total	
	in.	*mm*	ft.	*m*	ft.	*m*
1	15.88	*403*	51.8	*15.8*	51.8	*15.8*
2	17.63	*448*	57.1	*17.4*	108.9	*33.2*
3	19.38	*492*	62.3	*19.0*	171.2	*52.2*
4	21.13	*537*	67.2	*20.5*	238.5	*72.7*
5	22.88	*581*	72.5	*22.1*	310.9	*94.8*
6	24.63	*625*	77.4	*23.6*	388.4	*118.4*
7	26.38	*670*	82.7	*25.2*	471.3	*143.7*

Rope layer	Front Drum Capacity - 7/8" *(22 mm)* wire rope					
	Pitch Diameter		Layer		Total	
	in.	*mm*	ft.	*m*	ft.	*m*
1	17.6	*448*	111	*33.8*	111	*33.8*
2	19.4	*492*	122	*37.1*	233	*70.9*
3	21.1	*537*	133	*40.5*	365	*111.4*
4	22.9	*581*	144	*43.8*	509	*155.3*
5	24.6	*626*	155	*47.2*	664	*202.4*
6	26.4	*670*	166	*50.5*	830	*253.0*
7	28.1	*715*	177	*53.9*	1,007	*306.9*

Rope layer	Rear Drum Capacity - 7/8" *(22 mm)* wire rope					
	Pitch Diameter		Layer		Total	
	in.	*mm*	ft.	*m*	ft.	*m*
1	17.6	*448*	111	*33.8*	111	*33.8*
2	19.4	*492*	122	*37.1*	233	*70.9*
3	21.1	*537*	133	*40.5*	365	*111.4*
4	22.9	*581*	144	*43.8*	509	*155.3*
5	24.6	*626*	155	*47.2*	664	*202.4*
6	26.4	*670*	166	*50.5*	830	*253.0*
7	28.1	*715*	177	*53.9*	1,007	*306.9*

Rope layer	Third Drum Capacity - 3/4" *(19 mm)* wire rope					
	Pitch Diameter		Layer		Total	
	in.	*mm*	ft.	*m*	ft.	*m*
1	19.5	*495*	148	*45.1*	148	*45.1*
2	21.0	*533*	160	*48.8*	308	*93.9*
3	22.5	*572*	171	*52.1*	479	*146.0*
4	24.0	*610*	182	*55.5*	661	*201.5*
5	25.5	*648*	194	*59.1*	855	*260.6*

Wire Rope: size, type and working strength

Wire rope application	Size: diameter		Type	Max. permissible load	
	inches	*mm*		lbs.	*kg*
Boomhoist	7/8	*22*	LB	25,000	*11 340*
Main load hoist	7/8	*22*	N	22,700	*10 297*
Jib load hoist	7/8	*22*	RB	17,520	*7 938*
Boom pendants (dual)	1-3/8	*35*	N	64,000	*29 030*
Jib staylines	7/8	*22*	N	22,700	*10 297*
Third Drum	3/4	*19*	RB	12,920	*5 861*

Wire Rope: types available

- Type "N" - 6 x 25 (6 x 19 class) filler wire, extra improved plow steel, preformed, independent wire rope center, right lay, regular lay.
- Type "LB" - 6 x 25 (6 x 19 class), extra improved plow steel, preformed, independent wire rope center, right lay, alternate lay.
- Type "RB" - 18 x 19 non-rotating, extra, extra improved plow steel, preformed, right lay, regular lay, swaged.

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Hydraulic System

Hydraulic pumps

Two variable displacement piston pumps operating at 4,000 psi *(281.24 kg/cm²)* power travel, main drum, auxiliary drum, third drum, and boomhoist functions. One fixed displacement gear pump operating at 3,000 psi *(211 kg/cm²)* power swing, counterweight lowering, and machine jack functions. One fixed displacement gear pump operating at 1,210 psi *(85 kg/cm²)* powers pilot control system, clutches, brakes, and pump controls.

Pump control ("fine inching") mode

Special fine metering pump setting selectable from the operator's cab allows very slow movements for precision work. Main hoist, auxiliary hoist, boomhoist, third drum, and travel are all supplied with this standard feature.

Hydraulic reservoir

42 gal. *(159 L)*, equipped with sight level gauge.

Relief valves

Each function is equipped with relief valves to protect the circuit from overload or shock.

Hydraulic filtration

Ten micron, full flow line filter furnished in control circuit. All oil is filtered prior to return to sump tank.

Hydraulic motors

Main hoist drum, auxiliary hoist drum, boomhoist, swing, and travel are powered by axial piston motors.

Counterbalance valves

Upper - Hoist motors are equipped with counterbalance valves to provide positive load lowering and prevent accidental load drop when hydraulic power is suddenly reduced.

Lower - Travel motors are equipped with counterbalance valves to provide positive travel lock and prevent overspeeding of travel motors.

Principal Operating Functions

Control system

Remote controlled hydraulic servo for main drum, auxiliary drum, travel, boomhoist, and third drum. Mechanical linkage controls swing. Function speed is proportional to lever movement. Levers are adjustable for operator comfort.

Load hoisting and lowering

Main and auxiliary hoist drums are driven by individual axial piston motors and reduction gearing. Load hoisting or lowering is provided by actuating a hydraulic motor. The control lever provides two speeds for hoisting and lowering. Hoisting or lowering speeds are proportional to lever movement.

Freefall - The incorporation of power hydraulic controlled, two-shoe clutches allow freefall operation of the main and auxiliary hoist drums for special crane cycle application. Mode selection switch on control panel allows operator to select the most productive operation mode.

Load hoist drums

Main (front) and auxiliary (rear) hoist drums are 16-3/4" *(.43 m)* root diameter grooved for 7/8" *(22 mm)* wire rope. Mounted on anti-friction bearings.

Third operating drum - *Optional*; 18-3/4" *(.49 m)* grooved drum lagging, mounted in boom base section. 3/4" *(19 mm)* wire rope.

Drum clutches

Speed-o-Matic® power hydraulic two-shoe clutches; internal expanding, lined shoes. Clutch spiders are splined to shafts; clutch drums are integral with hoist drums.

Load hoist clutches - Front and rear main drums - clutch drums 20" *(.51 m)* diameter, 5" *(.13 m)* width.

Drum brakes

External contracting band type; operated by foot pedal equipped with a locking latch. Operator may select automatic brake mode* (spring applied, hydraulically released), which will apply brakes when the hoist control lever is in the neutral position.

*When in the automatic brake mode, the LS-238H meets all OSHA requirements for personnel handling.

Drum rotation indicators

Standard for front and rear drums. Audible-type indicators.

Drum locking pawl

Standard for front and rear drums; electrically actuated and prevents drum rotation in a lowering direction.

Anti two-block system

Standard - A switch mounted on the boom peak activates a buzzer to warn the operator of a two-block condition and simultaneously disengages hoist function while applying the hoist brakes.

Swing system

Independent, hydraulic swing is driven by two gear motors through a gear reduction system; free swing when lever is in neutral position.

Swing brake - Spring applied, hydraulically released; controlled by button on swing control lever.

Swing lock - Mechanically controlled, three-position locking mechanism.

Swing speed - Variable from 0 to 2.2 rpm.

Boomhoist/lowering system

Independent, hydraulic boomhoist is driven by an axial piston motor through a gear reduction system. Boom hoisting or lowering is performed by actuating or reversing the motor. Boomhoist speed is infinitely variable. Boomhoist speed from 0° to 70° boom angle is 90 seconds.

Boomhoist drum

Single grooved lagging 10.68" *(.27 m)* root diameter.

Boomhoist drum locking pawl

Electrically operated.

Boomhoist brake

Spring applied, hydraulically released, multiple disc type brake. Brake is automatically applied when control lever is in neutral position.

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Link-Belt
CONSTRUCTION EQUIPMENT

Boomhoist limiting device - Restricts hoisting boom beyond recommended minimum radius.

Electrical system

24 volt negative ground system with two 12-volt batteries. Standard lighting system includes: two 70 watt headlights mounted on machine front and one interior cab light.

Operator's cab

Full vision, modular compartment with safety glass panels. The completely independent cab is insulated against noise and vibration. Sliding operator's door, swing up roof window. Standard equipment includes: heater, defroster, windshield wiper, dry chemical fire extinguisher, sun visor, bubble-type level, fuel gauge, tachometer, hydraulic temperature gauge, engine oil pressure gauge, coolant temperature gauge, and service monitor system.

Machinery cab

Hinged doors (one on right side, two on left side) for machinery access. Equipped with rooftop access ladder, electric warning horn and skid resistant finish on roof.

Catwalks

Standard on right and left sides. Catwalks remove for reduced travel width.

Bail

Pinned to revolving frame. Five sheaves are provided for 16 part boomhoist wire rope reeving. Sheaves mounted on "sealed" anti-friction bearings.

Counterweights

"A" upper ctwt. - 23,000 lbs. *(10 433 kg)*

"AB" upper ctwt. - 42,330 lbs. *(19 201 kg)*

"ABC" upper ctwt. - 69,000 lbs. *(31 298 kg)*

Track ctwt. (2) - 10,000 lbs. *(4 536 kg)* each

Boom and Jib

Tubular boom

Two-piece basic boom 50' *(15.24 m)* long with open throat top section. Boom 70" *(1.78 m)* wide, 62" *(1.57 m)* deep at connections. Alloy steel round tubular cords 4" *(101.6 mm)* outside diameter. Maximum boom length is 240' *(73.15 m)*.

Base section

20' *(6.10 m)* long; boomfoot lugs on 55" *(1.40 m)* centers.

Boom extensions

Available in 10', 20', 30', 40' and 50' *(3.05, 6.10, 9.14, 12.19 and 15.24 m)* lengths with appropriate length pendants.

Optional - Special 10' *(3.05 m)* boom extension with necessary sheaves for handling crawler side frames and counterweight. Can be used as an extension in normal boom makeup. Includes appropriate pendants.

Boom connections

In-line pin connections.

Boom top section

Open throat; 30' *(9.14 m)* long.

Boompoint machinery

Six 20-1/2" *(.52 m)* root diameter sheaves mounted on "sealed" anti-friction bearings.

Hydraulic boomfoot pin removal

Standard; Speed-o-Matic controlled; located between mounting lugs on boom base section.

Boom live mast

26' *(7.92 m)* long; supports boomhoist bridle and boom pendants. Required for all boom lengths. May be used as short boom for assembling and disassembly of side frames and boom, but is not intended for general crane service. Refer to operator's manual for boom live mast lifting capacities.

Jib

Tubular; two-piece basic jib 30' *(9.14 m)* long; 36" *(.91 m)* wide, 30" *(.75 m)* deep at centerline of connections. Alloy steel tubular chords 2-1/2" *(63 mm)* outside diameter.

Base section - 15' 0" *(4.57 m)* long.

Jib extensions - Available in 10' *(3.05 m)*, 20' *(6.10 m)*, and 30' *(9.14 m)* lengths with appropriate length pendants.

Jib connections - In-line, tapered pins.

Tip section - 15' *(4.57 m)* long; equipped with single peak sheave 21" *(.53 m)* root diameter, heat treated and mounted on anti-friction bearings. Anchor provided at peak of jib tip section for two-part load hoist wire rope (whipline) connection.

Maximum jib length permitted - 70' *(21.34 m)*. All jib lengths may be mounted at 0°, 15°, or 30° offset to boom.

Jib mast

12' 7.62" *(3.85 m)* long, mounted on jib base section. Deflector sheave mounted within mast to guide whipline; mounted on anti-friction bearings.

Jib staylines - Front and back staylines. Back staylines vary in length depending on degree of jib offset from boom centerline; back staylines attached at bottom end of boom top section.

Jib stops - Telescoping type; pinned from jib mast to boom top section and from jib mast to jib base section.

Auxiliary Equipment

Boom angle indicator

Pendulum type; mounted on boom base section. Electronic type readout on load indicator.

Hook blocks

Blocks, or weighted ball with swivel hook, *optional* - refer to price list.

Rated capacity limiter

Standard; electronic load indicator for load hoist line.

Swing alarm

Standard; audio/visual warning device signals when upper is swinging.

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LS-238H Lift Crane Capacities

PCSA Class 12-769
Refer to notes page 7

Boom — Tube; 62" (1.57 m) wide, 70" (1.78 m) deep with open throat top section and 26' (7.92 m) live mast.

Jib — Tube; 36" (.91 m) wide, 30" (.75m) deep.

Mounting — crawler:
overall length: 23' 10-5/16" (7.27 m)
gauge: 15' 6" (4.72 m)

Counterweights — Refer to chart below.

GENERAL INFORMATION ONLY

Counterweights					
"A"		"AB"		"ABC"	
Pounds	Kilograms	**Pounds**	kilograms	**Pounds**	Kilograms
23,000	10 433	42,330	19 201	69,000	31 298

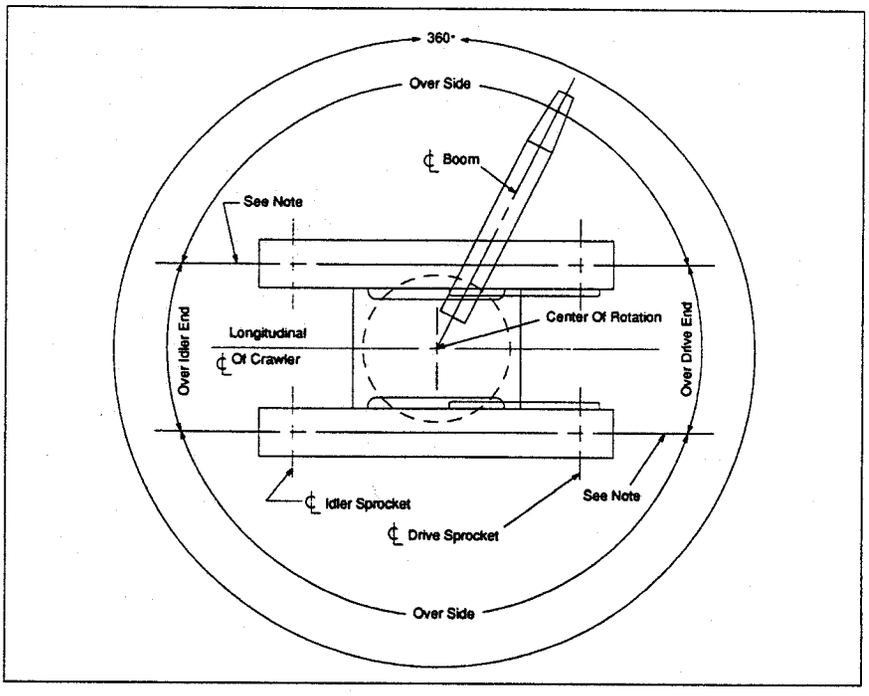
Open throat boom or boom + jib machine can **lift off** ground unassisted, without load.

Counterweight		Over End - Blocked				Over Side or Over End Without Blocking			
		Boom		Boom + Jib		Boom		Boom + Jib	
		Feet	meters	**Feet**	meters	**Feet**	meters	**Feet**	meters
No ctwt.	Maximum	160	48.77	130 + 60	39.62 + 18.29	130	39.62	110 + 40	33.53 + 12.19
Ctwt. "A"	Maximum	190	57.91	170 + 40	51.82 + 12.19	170	51.82	140 + 50	42.67 + 15.24
Ctwt. "AB"	Maximum	220	99.79	190 + 50	57.91 + 15.24	190	57.91	170 + 40	51.82 + 12.19
Ctwt. "ABC"	Maximum	240	108.86	210 + 70	95.26 + 21.34	230	70.10	190 + 70	57.91 + 21.34

Notes:
1. Booms must be erected or lowered over the end with no load.
2. Crane on firm and level surface.

Working Areas

1. These lines determine the limiting position of any load for operation within working areas indicated.



Caution: This material is for reference only. Operator must refer to in-cab capacity plate to determine allowable machine lifting capacities and operating procedures.

Litho in U.S.A. 2/96

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LS-238H Lift Crane Capacities

GENERAL INFORMATION ONLY

Boom Length (ft.)	Load Radius (ft.)	Boom Angle (deg.)	Capacity (thousands of lbs.) 360 Degree Rotation "ABC" + 0 ctwt.	"AB" + 0 ctwt.	"A" + 0 ctwt.	No ctwt.	"ABC + 20,000 lb. ctwt.	Capacity (thousands of lbs.) Over End - Blocked "ABC" + 0 ctwt.	"ABC + 20,000 lb. ctwt.	Load Radius (ft.)
	10	82.0					300.0 *			
	15	72.9					225.9 *			
35' ①	20	63.2					154.4			
(10.67m)	25	52.3					108.7			
Hammerhead	30	39.1					83.1			
Tip	35	17.6					54.7 *			
	12	79.6	250.0 *	250.0 *	235.3 *	181.5	250.0 *	250.0 *	250.0 *	12
	13	78.4	250.0 *	236.9 *	212.2	148.4	250.0 *	250.0 *	250.0 *	13
	14	77.2	238.0 *	221.1 *	179.5	125.3	238.0 *	238.0 *	238.0 *	14
	15	76.1	227.1 *	197.4	155.3	108.3	227.1 *	227.1 *	227.1 *	15
	16	74.9	215.3 *	174.0	136.8	95.3	215.3 *	215.3 *	215.3 *	16
	17	73.7	201.1	155.5	122.1	84.9	203.3 *	203.3 *	203.3 *	17
50'	18	72.5	181.8	140.4	110.2	76.5	192.5 *	192.5 *	192.5 *	18
(15.24m)	19	71.3	165.8	128.0	100.4	69.5	175.3	182.7 *	182.7 *	19
	20	70.1	152.3	117.5	92.1	63.7	161.0	173.9 *	173.9 *	20
	25	63.8	107.8	82.9	64.6	44.3	114.1	140.0 *	140.0 *	25
	30	57.3	82.9	63.5	49.3	33.5	87.8	110.0	116.4 *	30
	35	50.1	67.1	51.1	39.5	26.6	71.1	87.3	93.1	35
	40	42.2	56.0	42.5	32.7	21.7	59.4	72.1	76.9	40
	50	19.8	41.6	31.3	23.8	15.4	44.2	46.8 *	46.8 *	50
	14	79.4	234.7 *	220.6 *	180.2	126.1	234.7 *	234.7 *	234.7 *	14
	15	78.4	226.5 *	198.1	156.0	109.0	226.5 *	226.5 *	226.5 *	15
	16	77.4	214.9 *	174.6	137.4	95.8	214.9 *	214.9 *	214.9 *	16
	17	76.5	201.7	156.0	122.7	85.4	202.9 *	202.9 *	202.9 *	17
	18	75.5	182.3	140.9	110.7	77.0	192.2 *	192.2 *	192.2 *	18
60'	19	74.5	166.2	128.4	100.8	70.0	175.7	182.5 *	182.5 *	19
(18.29m)	20	73.5	152.7	117.9	92.5	64.1	161.4	173.7 *	173.7 *	20
	25	68.4	108.1	83.1	64.9	44.6	114.4	139.6 *	139.6 *	25
	30	63.2	83.2	63.8	49.6	33.7	88.1	110.3	116.4 *	30
	35	57.7	67.3	51.4	39.8	26.8	71.3	87.6	93.3	35
	40	51.9	56.2	42.8	32.9	21.9	59.6	72.3	77.2	40
	50	38.4	41.9	31.6	24.0	15.6	44.5	53.2	56.8	50
	60	18.1	32.9	24.5	18.4	11.6	35.0	38.5 *	38.5 *	60
	16	79.3	211.2 *	176.0	138.8	97.2	211.2 *	211.2 *	211.2 *	16
	17	78.4	202.9	157.3	123.9	86.7	203.0 *	203.0 *	203.0 *	17
	18	77.6	183.4	142.0	111.8	78.1	192.3 *	192.3 *	192.3 *	18
	19	76.7	167.2	129.4	101.8	71.0	176.8	182.6 *	182.6 *	19
	20	75.9	153.6	118.8	93.4	65.0	162.4	173.8 *	173.8 *	20
70'	25	71.6	108.8	83.8	65.6	45.3	115.1	139.8 *	139.8 *	25
(21.34m)	30	67.3	83.7	64.3	50.1	34.3	88.6	111.0	116.6 *	30
	35	62.8	67.7	51.8	40.2	27.2	71.7	88.1	93.9	35
	40	58.0	56.6	43.2	33.3	22.3	60.0	72.8	77.6	40
	50	47.8	42.2	31.9	24.4	16.0	44.8	53.5	57.1	50
	60	35.4	33.2	24.8	18.8	11.9	35.3	41.9	44.8	60
	70	16.7	27.0	19.9	14.8	9.1	28.7	34.0	36.4	70
	17	79.9	190.4 *	157.5	124.1	86.9	190.4 *	190.4 *	190.4 *	17
	18	79.2	183.6	142.2	112.0	78.3	188.0 *	188.0 *	188.0 *	18
	19	78.4	167.4	129.6	102.0	71.2	176.9	182.0 *	182.0 *	19
	20	77.7	153.8	119.0	93.5	65.2	162.5	173.3 *	173.3 *	20
80'	25	74.0	108.8	83.9	65.7	45.4	115.1	139.5 *	139.5 *	25
(24.38m)	30	70.2	83.7	64.3	50.1	34.3	88.6	111.1	116.3 *	30
	35	66.4	67.7	51.8	40.2	27.2	71.7	88.2	93.9	35
	40	62.4	56.6	43.1	33.3	22.3	60.0	72.8	77.6	40
	50	54.0	42.2	31.9	24.3	15.9	44.8	53.5	57.2	50
	60	44.5	33.2	24.8	18.7	11.9	35.3	41.9	44.8	60
	70	33.1	27.0	20.0	14.9	9.2	28.8	34.1	36.5	70
	80	15.6	22.5	16.4	12.0	7.1	24.0	28.4	30.4	80
	19	79.7	167.5	129.7	102.1	71.2	170.7 *	170.7 *	170.7 *	19
	20	79.1	153.8	119.0	93.6	65.2	162.6	168.5 *	168.5 *	20
	25	75.8	108.8	83.9	65.7	45.4	115.1	139.0 *	139.0 *	25
	30	72.5	83.7	64.3	50.1	34.3	88.6	111.1	116.0 *	30
90'	35	69.1	67.7	51.8	40.1	27.2	71.7	88.2	93.9	35
(27.43m)	40	65.7	56.5	43.1	33.2	22.2	59.9	72.8	77.6	40
	50	58.5	42.1	31.8	24.3	15.8	44.7	53.5	57.1	50
	60	50.7	33.1	24.8	18.7	11.9	35.2	41.8	44.7	60
	70	41.8	27.0	20.0	14.8	9.1	28.7	34.0	36.4	70
	80	31.1	22.5	16.4	12.0	7.1	24.0	28.4	30.4	80
	90	14.7	19.0	13.7	9.8	5.5	20.4	24.1	25.9	90

① Requires hammerhead tip.

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GENERAL INFORMATION ONLY

Boom Length (ft.)	Load Radius (ft.)	Boom Angle (deg.)	Capacity (thousands of lbs.) 360 Degree Rotation "ABC" + 0 ctwt.	"AB" + 0 ctwt.	"A" + 0 ctwt.	No ctwt.	"ABC + 20,000 lb. ctwt.	Capacity (thousands of lbs.) Over End - Blocked "ABC" + 0 ctwt.	"ABC + 20,000 lb. ctwt.	Load Radius (ft.)
	21	79.6	142.2	110.0	86.4	60.1	150.3	154.0 *	154.0 *	21
	25	77.3	108.8	83.9	65.7	45.3	115.1	138.5 *	138.5 *	25
	30	74.3	83.6	64.2	50.0	34.2	88.5	111.1	115.6 *	30
	35	71.3	67.6	51.7	40.0	27.1	71.6	88.1	93.9	35
100'	40	68.3	56.4	43.0	33.1	22.1	59.8	72.7	77.5	40
(30.48m)	50	61.9	42.0	31.7	24.1	15.7	44.6	53.4	57.0	50
	60	55.2	33.0	24.6	18.5	11.7	35.1	41.7	44.6	60
	70	47.9	26.9	19.8	14.7	9.0	28.6	33.9	36.3	70
	80	39.6	22.4	16.3	11.9	7.0	23.9	28.3	30.4	80
	90	29.5	19.0	13.7	9.8	5.4	20.3	24.0	25.9	90
	100	14.0	16.2	11.5	8.0	4.2	17.4	20.7	22.3	100
	23	79.5	123.3	95.2	74.7	51.7	130.4	139.7 *	139.7 *	23
	25	78.4	108.7	83.8	65.6	45.3	115.0	136.2 *	136.2 *	25
	30	75.8	83.5	64.1	49.9	34.1	88.4	111.0	115.1 *	30
	35	73.1	67.4	51.5	39.9	27.0	71.5	88.0	93.8	35
110'	40	70.3	56.3	42.8	33.0	22.0	59.7	72.6	77.4	40
(33.53m)	50	64.7	41.8	31.5	24.0	15.6	44.4	53.3	56.9	50
	60	58.8	32.8	24.5	18.4	11.6	34.9	41.6	44.5	60
	70	52.4	26.7	19.7	14.6	8.8	28.5	33.8	36.2	70
	80	45.5	22.2	16.2	11.8	6.8	23.8	28.2	30.2	80
	90	37.7	18.9	13.5	9.7	5.3	20.2	23.9	25.7	90
	100	28.1	16.2	11.4	8.0	4.1	17.4	20.6	22.2	100
	110	13.3	13.9	9.7	6.5	3.0	15.0	17.9	19.3	110
	24	79.9	115.5	89.1	69.8	48.2	122.2	128.0 *	128.0 *	24
	25	79.4	108.7	83.7	65.5	45.2	114.9	126.8 *	126.8 *	25
	30	77.0	83.4	64.0	49.8	34.0	88.3	111.0	112.5 *	30
	35	74.5	67.3	51.4	39.8	26.8	71.3	87.9	93.7	35
	40	72.0	56.1	42.7	32.8	21.9	59.5	72.5	77.3	40
120'	50	66.9	41.7	31.4	23.8	15.4	44.3	53.1	56.7	50
(36.58m)	60	61.6	32.7	24.3	18.2	11.4	34.8	41.4	44.3	60
	70	56.0	26.5	19.5	14.4	8.7	28.3	33.6	36.0	70
	80	50.1	22.1	16.0	11.6	6.7	23.6	28.0	30.1	80
	90	43.5	18.7	13.4	9.5	5.2	20.0	23.8	25.6	90
	100	36.0	16.0	11.3	7.8	3.9	17.2	20.5	22.1	100
	110	26.9	13.8	9.6	6.4	2.9	14.9	17.8	19.3	110
	120	12.7	12.0	8.1	5.3	2.1	13.0	15.6	16.9	120
	26	79.8	102.4	78.8	61.6	42.4	108.4	116.7 *	116.7 *	26
	30	78.0	83.3	63.9	49.7	33.9	88.2	108.7 *	108.7 *	30
	35	75.7	67.2	51.3	39.7	26.7	71.2	87.8	93.6	35
	40	73.4	56.0	42.5	32.7	21.7	59.4	72.4	77.2	40
130'	50	68.8	41.5	31.2	23.7	15.2	44.1	53.0	56.6	50
(39.62m)	60	64.0	32.5	24.1	18.0	11.2	34.6	41.3	44.2	60
	70	59.0	26.3	19.3	14.2	8.5	28.1	33.4	35.9	70
	80	53.7	21.9	15.8	11.4	6.5	23.4	27.8	29.9	80
	90	48.0	18.5	13.2	9.3	5.0	19.8	23.6	25.4	90
	100	41.7	15.8	11.1	7.6	3.8	17.0	20.3	21.9	100
	110	34.6	13.7	9.4	6.3	2.8	14.8	17.6	19.1	110
	120	25.8	11.9	8.0	5.1		12.9	15.5	16.8	120
	130	12.2	10.3	6.7	4.1		11.2	13.6	14.8	130
	28	79.7	91.8	70.5	55.0	37.6	97.2	105.9 *	105.9 *	28
	30	78.9	83.2	63.8	49.6	33.7	88.1	104.3 *	104.3 *	30
	35	76.8	67.0	51.1	39.5	26.5	71.0	87.7	90.8 *	35
	40	74.7	55.8	42.4	32.5	21.5	59.2	72.2	77.1	40
	50	70.4	41.3	31.0	23.5	15.1	43.9	52.8	56.4	50
140'	60	66.0	32.3	23.9	17.8	11.0	34.4	41.1	44.0	60
(42.76m)	70	61.4	26.1	19.1	14.0	8.3	27.9	33.3	35.7	70
	80	56.6	21.7	15.6	11.2	6.3	23.2	27.6	29.7	80
	90	51.6	18.3	13.0	9.1	4.8	19.6	23.4	25.2	90
	100	46.1	15.6	10.9	7.4	3.6	16.8	20.1	21.7	100
	110	40.1	13.5	9.2	6.1	2.6	14.6	17.5	18.9	110
	120	33.3	11.7	7.8	5.0		12.7	15.3	16.6	120
	130	24.8	10.2	6.6	4.0		11.1	13.4	14.7	130
	140	11.8	8.9	5.6	3.1		9.7	11.9	13.0	140

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LS-238H Lift Crane Capacities

GENERAL INFORMATION ONLY

Boom Length (ft.)	Load Radius (ft.)	Boom Angle (deg.)	Capacity (thousands of lbs.) 360 Degree Rotation "ABC" + 0 ctwt.	"AB" + 0 ctwt.	"A" + 0 ctwt.	No ctwt.	"ABC + 20,000 lb. ctwt.	Capacity (thousands of lbs.) Over End - Blocked "ABC" + 0 ctwt.	"ABC + 20,000 lb. ctwt.	Load Radius (ft.)
	30	79.6	83.0	63.6	49.4	33.6	87.9	97.0 *	97.0 *	30
	35	77.7	66.9	51.0	39.3	26.4	70.9	87.6	88.7 *	35
	40	75.7	55.6	42.2	32.3	21.4	59.0	72.1	76.9	40
150'	50	71.7	41.1	30.8	23.3	14.9	43.7	52.6	56.3	50
(45.72m)	60	67.6	32.1	23.7	17.6	10.8	34.2	40.9	43.8	60
	70	63.4	25.9	18.9	13.8	8.1	27.7	33.1	35.5	70
	80	59.1	21.5	15.4	11.0	6.1	23.0	27.4	29.5	80
	90	54.5	18.1	12.8	8.9	4.6	19.4	23.2	25.0	90
	100	49.7	15.4	10.7	7.2	3.4	16.6	19.9	21.5	100
	110	44.5	13.3	9.0	5.9	2.4	14.4	17.3	18.7	110
	120	38.7	11.5	7.6	4.7		12.5	15.1	16.4	120
	130	32.1	10.0	6.4	3.8		10.9	13.3	14.5	130
	140	24.0	8.7	5.4	3.0		9.5	11.7	12.8	140
	150	11.4	7.6	4.5	2.2		8.3	10.3	11.4	150
	31	79.9	79.1	60.5	46.9	31.8	83.8	88.6 *	88.6 *	31
	35	78.4	66.7	50.8	39.2	26.2	70.7	86.0 *	86.0 *	35
	40	76.6	55.5	42.0	32.2	21.2	58.9	72.0	75.7 *	40
	50	72.9	40.9	30.6	23.1	14.7	43.5	52.5	56.1	50
	60	69.1	31.9	23.5	17.4	10.6	34.0	40.7	43.6	60
	70	65.2	25.7	18.7	13.6	7.9	27.5	32.9	35.3	70
160'	80	61.2	21.3	15.2	10.8	5.9	22.8	27.2	29.3	80
(48.77m)	90	57.0	17.9	12.6	8.7	4.3	19.2	23.0	24.8	90
	100	52.7	15.2	10.5	7.0	3.1	16.4	19.7	21.3	100
	110	48.0	13.1	8.8	5.7	2.2	14.1	17.1	18.5	110
	120	43.0	11.3	7.4	4.5		12.3	14.9	16.2	120
	130	37.4	9.8	6.2	3.6		10.7	13.1	14.3	130
	140	31.1	8.5	5.2	2.8		9.3	11.5	12.6	140
	150	23.2	7.4	4.3	2.1		8.2	10.2	11.2	150
	160	11.0	6.4	3.5			7.1	9.0	9.9	160
	33	79.8	72.3	55.1	42.6		76.6	81.3 *	81.3 *	33
	35	79.1	66.5	50.6	39.0		70.5	80.1 *	80.1 *	35
	40	77.4	55.3	41.8	32.0		58.7	71.8	73.4 *	40
	50	73.9	40.7	30.4	22.9		43.3	52.3	55.9	50
	60	70.4	31.7	23.3	17.2		33.8	40.5	43.4	60
	70	66.8	25.5	18.5	13.4		27.3	32.7	35.1	70
170'	80	63.0	21.0	15.0	10.6		22.6	27.0	29.1	80
(51.82m)	90	59.2	17.6	12.3	8.4		19.0	22.8	24.6	90
	100	55.2	15.0	10.2	6.8		16.2	19.5	21.1	100
	110	51.0	12.8	8.5	5.4		13.9	16.8	18.3	110
	120	46.5	11.1	7.2	4.3		12.0	14.7	16.0	120
	130	41.6	9.6	6.0	3.4		10.5	12.8	14.1	130
	140	36.3	8.3	5.0	2.6		9.1	11.3	12.4	140
	150	30.1	7.2	4.1			8.0	10.0	11.0	150
	160	22.5	6.2	3.3			6.9	8.8	9.8	160
	170	10.7	5.3	2.6			6.0	7.7	8.5 *	170
	35	79.7	66.4	50.4	38.8		70.4	71.6 *	71.6 *	35
	40	78.1	55.1	41.6	31.8		58.5	71.1 *	71.1 *	40
	50	74.8	40.5	30.2	22.7		43.1	52.1	55.7	50
	60	71.5	31.4	23.1	17.0		33.6	40.3	43.2	60
	70	68.1	25.3	18.3	13.1		27.0	32.4	34.9	70
	80	64.7	20.8	14.8	10.3		22.3	26.8	28.9	80
180'	90	61.1	17.4	12.1	8.2		18.8	22.6	24.4	90
(54.86m)	100	57.4	14.7	10.0	6.5		15.9	19.3	20.9	100
	110	53.5	12.6	8.3	5.2		13.7	16.6	18.1	110
	120	49.4	10.8	6.9	4.1		11.8	14.4	15.8	120
	130	45.1	9.3	5.8	3.1		10.2	12.6	13.8	130
	140	40.4	8.1	4.8	2.3		8.9	11.1	12.2	140
	150	35.2	7.0	3.9			7.7	9.8	10.8	150
	160	29.3	6.0	3.1			6.7	8.6	9.6	160
	170	21.9	5.2	2.5			5.8	7.6	8.5	170
	180	10.4	4.4				5.0	6.6	7.1 *	180

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GENERAL INFORMATION ONLY

Boom Length (ft.)	Load Radius (ft.)	Boom Angle (deg.)	Capacity (thousands of lbs.) 360 Degree Rotation "ABC" + 0 ctwt.	"AB" + 0 ctwt.	"A" + 0 ctwt.	No ctwt.	"ABC + 20,000 lb. ctwt.	Capacity (thousands of lbs.) Over End - Blocked "ABC" + 0 ctwt.	"ABC + 20,000 lb. ctwt.	Load Radius (ft.)
	36	80.0	62.7 *	48.3	37.0		62.7 *	62.7 *	62.7 *	36
	40	78.8	54.9	41.4	31.6		58.3	62.4 *	62.4 *	40
	50	75.7	40.3	30.0	22.5		42.9	51.9	55.5	50
	60	72.5	31.2	22.9	16.8		33.3	40.1	43.0	60
	70	69.3	25.1	18.0	12.9		26.8	32.2	34.6	70
	80	66.1	20.6	14.5	10.1		22.1	26.6	28.7	80
	90	62.7	17.2	11.9	8.0		18.5	22.3	24.2	90
190'	100	59.3	14.5	9.8	6.3		15.7	19.0	20.6	100
(57.91m)	110	55.7	12.4	8.1	5.0		13.4	16.4	17.8	110
	120	52.0	10.6	6.7	3.8		11.6	14.2	15.5	120
	130	48.0	9.1	5.5	2.9		10.0	12.4	13.6	130
	140	43.8	7.8	4.5	2.1		8.7	10.9	12.0	140
	150	39.3	6.7	3.7			7.5	9.5	10.6	150
	160	34.3	5.8	2.9			6.5	8.4	9.3	160
	170	28.5	4.9	2.2			5.6	7.4	8.3	170
	180	21.3	4.2				4.8	6.4	7.3	180
	190	10.1	3.5				4.1	5.6	5.9 *	190
	38	79.9	55.4 *	44.4			55.4 *	55.4 *	55.4 *	38
	40	79.3	54.7	41.2			55.4 *	55.4 *	55.4 *	40
	50	76.4	40.1	29.8			42.7	51.3 *	51.3 *	50
	60	73.4	31.0	22.7			33.1	39.9	42.8	60
	70	70.4	24.8	17.8			26.6	32.0	34.4	70
	80	67.3	20.3	14.3			21.9	26.4	28.4	80
	90	64.2	16.9	11.6			18.3	22.1	23.9	90
	100	61.0	14.3	9.5			15.5	18.8	20.4	100
200'	110	57.6	12.1	7.8			13.2	16.1	17.6	110
(60.96m)	120	54.2	10.3	6.4			11.3	14.0	15.3	120
	130	50.6	8.9	5.3			9.8	12.2	13.4	130
	140	46.7	7.6	4.3			8.4	10.6	11.7	140
	150	42.7	6.5	3.4			7.3	9.3	10.3	150
	160	38.3	5.5	2.7			6.3	8.1	9.1	160
	170	33.4	4.7	2.0			5.4	7.1	8.0	170
	180	27.7	4.0				4.6	6.2	7.1	180
	190	20.7	3.3				3.9	5.4	6.2	190
	200	9.9	2.6				3.2	4.7	4.7 *	200
	40	79.8	49.3 *	41.0			49.3 *	49.3 *	49.3 *	40
	50	77.1	39.9	29.6			42.5	45.6 *	45.6 *	50
	60	74.2	30.8	22.4			32.9	39.7	40.4 *	60
	70	71.4	24.6	17.6			26.4	31.8	34.2	70
	80	68.5	20.1	14.1			21.6	26.1	28.2	80
	90	65.5	16.7	11.4			18.0	21.9	23.7	90
	100	62.5	14.0	9.3			15.2	18.6	20.2	100
	110	59.4	11.9	7.6			13.0	15.9	17.4	110
210'	120	56.1	10.1	6.2			11.1	13.7	15.1	120
(64.01m)	130	52.8	8.6	5.0			9.5	11.9	13.1	130
	140	49.3	7.3	4.0			8.2	10.4	11.5	140
	150	45.6	6.3	3.2			7.0	9.1	10.1	150
	160	41.6	5.3	2.4			6.0	7.9	8.9	160
	170	37.3	4.5				5.1	6.9	7.8	170
	180	32.5	3.7				4.4	6.0	6.8	180
	190	27.0	3.1				3.7	5.2	6.0	190
	200	20.2	2.4				3.0	4.5	5.2	200
	210	9.6					2.4	3.6 *	3.6 *	210

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LS-238H Lift Crane Capacities

GENERAL INFORMATION ONLY

Boom Length (ft.)	Load Radius (ft.)	Boom Angle (deg.)	Capacity (thousands of lbs.) 360 Degree Rotation "ABC" + 0 ctwt.	"AB" + 0 ctwt.	"A" + 0 ctwt.	No ctwt.	"ABC + 20,000 lb. ctwt.	Capacity (thousands of lbs.) Over End - Blocked "ABC" + 0 ctwt.	"ABC + 20,000 lb. ctwt.	Load Radius (ft.)
	42	79.8	43.3 *	38.0			43.3 *	43.3 *	43.3 *	42
	50	77.7	39.6	29.3			40.3 *	40.3 *	40.3 *	50
	60	75.0	30.5	22.2			32.7	36.3 *	36.3 *	60
	70	72.3	24.4	17.3			26.1	31.6	32.2 *	70
	80	69.5	19.9	13.8			21.4	25.9	28.0	80
	90	66.7	16.5	11.1			17.8	21.6	23.5	90
	100	63.8	13.8	9.0			15.0	18.3	19.9	100
	110	60.9	11.6	7.3			12.7	15.7	17.1	110
220'	120	57.9	9.9	6.0			10.8	13.5	14.8	120
(67.06m)	130	54.7	8.4	4.8			9.3	11.7	12.9	130
	140	51.5	7.1	3.8			7.9	10.1	11.2	140
	150	48.1	6.0	2.9			6.8	8.8	9.8	150
	160	44.5	5.1	2.2			5.8	7.7	8.6	160
	170	40.6	4.2				4.9	6.6	7.6	170
	180	36.4	3.5				4.1	5.7	6.6	180
	190	31.8	2.8				3.4	4.9	5.8	190
	200	26.4	2.2				2.8	4.2	5.0	200
	210	19.8					2.2	3.6	4.1 *	210
	220	9.4						2.6 *	2.6 *	220
	43	80.0	38.7 *				38.7 *	38.7 *	38.7 *	43
	50	78.2	36.1 *				36.1 *	36.1 *	36.1 *	50
	60	75.6	30.3				32.4	32.5 *	32.5 *	60
	70	73.1	24.1				25.9	28.8 *	28.8 *	70
	80	70.4	19.6				21.1	25.7	25.7 *	80
	90	67.8	16.2				17.6	21.4	22.5 *	90
	100	65.0	13.5				14.7	18.1	19.7	100
	110	62.3	11.4				12.5	15.4	16.9	110
230'	120	59.4	9.6				10.6	13.2	14.6	120
(70.10m)	130	56.5	8.1				9.0	11.4	12.6	130
	140	53.4	6.8				7.7	9.9	11.0	140
	150	50.3	5.8				6.5	8.6	9.6	150
	160	46.9	4.8				5.5	7.4	8.4	160
	170	43.4	4.0				4.6	6.4	7.3	170
	180	39.7	3.2				3.9	5.5	6.4	180
	190	35.6	2.6				3.2	4.7	5.5 *	190
	200	31.0	2.0				2.5	4.0	4.0 *	200
	210	25.8					2.0	3.3	2.6 *	210
	220	19.3						2.7		220
	230	9.2								230
	45	79.9	34.0 *				34.0 *	34.0 *	34.0 *	45
	50	78.7	32.3 *				32.3 *	32.3 *	32.3 *	50
	60	76.2	29.1 *				29.1 *	29.1 *	29.1 *	60
	70	73.8	23.9				25.6	25.8 *	25.8 *	70
	80	71.3	19.4				20.9	22.4 *	22.4 *	80
	90	68.7	16.0				17.3	20.0 *	20.0 *	90
	100	66.1	13.3				14.5	17.8	17.9 *	100
	110	63.5	11.1				12.2	15.2	16.1 *	110
	120	60.8	9.3				10.3	13.0	14.3	120
240'	130	58.0	7.9				8.8	11.2	12.4 *	130
(73.15m)	140	55.2	6.6				7.4	9.6	10.6 *	140
	150	52.2	5.5				6.3	8.3	9.1 *	150
	160	49.1	4.6				5.3	7.2	7.7 *	160
	170	45.9	3.7				4.4	6.1	6.5 *	170
	180	42.5	3.0				3.6	5.3	5.5 *	180
	190	38.8	2.3				2.9	4.5	4.0 *	190
	200	34.8					2.3	3.6 *	2.6 *	200
	210	30.4						2.8 *		210
	220	25.3						2.1 *		220
	230	18.9								230
	240	9.0								240

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LS-238H Lift Crane Capacity Notes

GENERAL INFORMATION ONLY

General:

1. Rated lifting capacities in pounds as shown on lift charts pertain to the crane as originally manufactured and normally equipped. Modifications to the crane or use of optional equipment other than that specified can result in a reduction of capacity.
2. Construction equipment can be dangerous if improperly operated or maintained. Operation and maintenance of the crane must be in compliance with the information in the Operator's, Parts and Safety Manuals supplied with the crane. If these manuals are missing, order replacements through the distributor.
3. The operator and other personnel associated with the crane shall read and fully understand the latest applicable American National Standards Institute (ANSI) safety standards for cranes.
4. The maximum allowable lifting capacities are based on crane standing level on firm supporting surface.
5. All capacities listed are in compliance with ASME/ANSI B30.5b-1994, SAE J987-April 1991, and SAE J765-October 1990.

Set-Up:

1. The crane shall be leveled on a firm supporting surface. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the crawler side frames to spread the load to a larger bearing surface.
2. For required parts of line, see wire rope strength and winch performance tables in Crane Rating Manual.

Lift Crane Operation:

1. Capacities shown are in pounds and are not more than 75% of the tipping loads with the crane standing level on firm supporting surface. A deduction must be made from these capacities for weight of hook block, hook, sling, grapple, load weighing device, etc. When using main hook while jib is attached, reduce capacities by values shown in Crane Rating Manual. See Operator's Manual for all limitations when raising or lowering attachment.
2. The capacities marked with an asterisk (*) are based on factors other than those which would cause a tipping condition.
3. For recommended reeving, parts of line, wire rope type and wire rope inspection, see wire rope strength chart, Operator's Manual and Parts Manual.
4. Load ratings are based on freely suspended loads and make no allowances for such factors as the effect of the wind, ground conditions, and operating speeds. The operator shall therefore reduce load ratings in order to take these conditions into account.
5. The 26' (7.92 m) live mast must be used for all capacities listed.
6. The least stable rated condition is over the side.
7. Booms must be erected and lowered over the end.
8. Main boom length must not exceed 240' (73.15 m).
9. Do not operate at radii and boom lengths where the Crane Rating Manual lists no capacity. Do not use longer booms or jibs than those listed in the Crane Rating Manual. Any of the above can cause a tipping condition, or boom and jib failure.
10. These capacities apply only to the crane as originally manufactured and normally equipped by Link-Belt Construction Equipment Company.

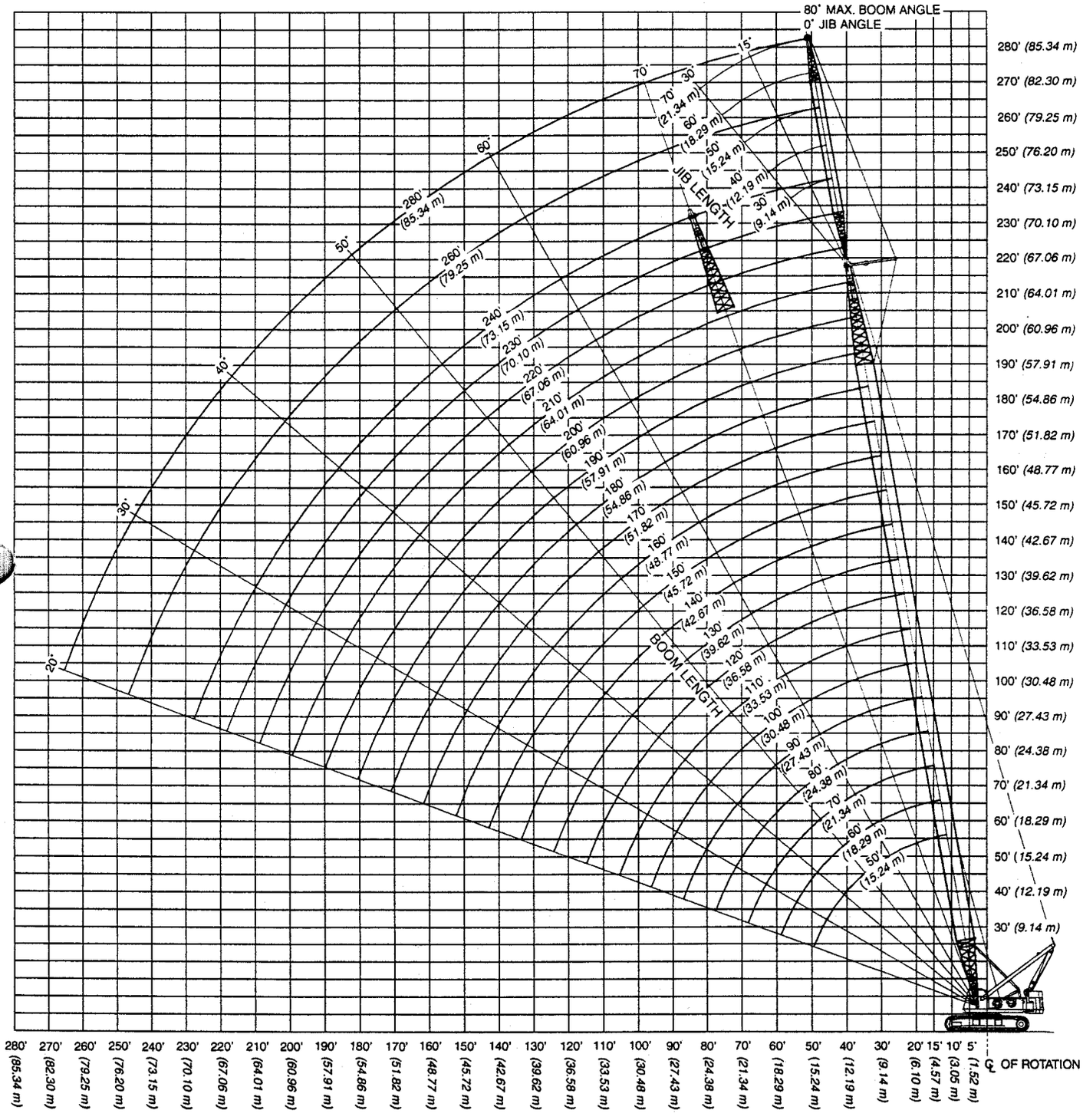
For Over End Capacities Only:

1. These capacities can be lifted over either end with crane standing level on firm supporting surface with adequate blocking placed under the tread member sprockets/ idlers at the lift off end, to prevent rocking.
2. Do not travel with a load.

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LS-238H Working Range

GENERAL INFORMATION ONLY



OPERATING RADIUS

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LS-238H Tubular Jib Capacities

Capacities shown in thousands of pounds

62" x 70" *(1.57 x 1.78 m)* Tube Boom - 30" x 36" *(.75 x .91 m)* Tube Jib - 360° Rotation

Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Degrees Jib Pt. Height (feet)	0 Degrees ABC+ 20,000# Ctwt.	0 Degrees ABC+0 Ctwt.	15 Degrees Boom Angle (deg)	15 Degrees Jib Pt. Height (feet)	15 Degrees ABC+ 20,000# Ctwt.	15 Degrees ABC+0 Ctwt.	30 Degrees Boom Angle (deg)	30 Degrees Jib Pt. Height (feet)	30 Degrees ABC+ 20,000# Ctwt.	30 Degrees ABC+0 Ctwt.
50	30	17	79.9	85.6	30.0*	30.0*								
50	30	18	79.2	85.4	29.8*	29.8*								
50	30	19	78.4	85.2	29.6*	29.6*								
50	30	20	77.7	84.9	29.4*	29.4*								
50	30	25	74.0	83.7	28.3*	28.3*	79.5	83.6	26.4*	26.4*				
50	30	30	70.2	82.0	27.2*	27.2*	75.7	82.0	25.4*	25.4*				
50	30	35	66.4	80.0	26.1*	26.1*	71.8	80.1	24.3*	24.3*	76.7	78.7	21.3*	21.3*
50	30	40	62.4	77.6	25.0*	25.0*	67.8	77.7	23.3*	23.3*	72.6	76.3	19.7*	19.7*
50	30	50	54.0	71.3	22.8*	22.8*	59.3	71.6	20.5*	20.5*	63.8	70.0	17.0*	17.0*
50	30	60	44.5	62.7	19.4*	19.4*	49.7	63.0	16.7*	16.7*	53.7	61.1	15.2*	15.2*
50	30	70	33.1	50.2	15.8*	15.8*	38.0	50.4	15.3*	15.3*				
50	40	19	79.7	95.2	26.7*	26.7*								
50	40	20	79.1	95.0	26.5*	26.5*								
50	40	25	75.8	93.8	25.6*	25.6*								
50	40	30	72.5	92.3	24.7*	24.7*	79.0	92.2	23.3*	23.3*				
50	40	35	69.1	90.5	23.8*	23.8*	75.6	90.5	21.8*	21.8*				
50	40	40	65.7	88.3	22.7*	22.7*	72.1	88.5	20.3*	20.3*	78.1	86.8	17.0*	17.0*
50	40	50	58.5	82.9	19.5*	19.5*	64.8	83.2	17.1*	17.1*	70.5	81.5	14.5*	14.5*
50	40	60	50.7	75.6	16.3*	16.3*	56.9	76.1	14.5*	14.5*	62.3	74.1	12.0*	12.0*
50	40	70	41.8	65.9	13.5*	13.5*	48.0	66.4	11.8*	11.8*	52.9	64.0	10.9*	10.9*
50	40	80	31.1	52.2	11.3*	11.3*	37.0	52.6	10.6*	10.6*				
50	50	25	77.3	104.0	23.3*	23.3*								
50	50	30	74.3	102.7	22.5*	22.5*								
50	50	35	71.3	101.1	21.7*	21.7*	78.6	101.1	20.4*	20.4*				
50	50	40	68.3	99.2	20.9*	20.9*	75.6	99.3	18.8*	18.8*				
50	50	50	61.9	94.4	17.9*	17.9*	69.2	94.7	15.3*	15.3*	75.9	92.9	12.0*	12.0*
50	50	60	55.2	88.1	14.2*	14.2*	62.4	88.6	12.0*	12.0*	68.8	86.7	10.2*	10.2*
50	50	70	47.9	80.0	11.4*	11.4*	54.9	80.7	10.1*	10.1*	61.0	78.5	8.4*	8.4*
50	50	80	39.6	69.4	9.3*	9.3*	46.5	70.1	8.3*	8.3*	52.1	67.4	7.5*	7.5*
50	50	90	29.5	54.7	7.8*	7.8*	36.1	55.3	7.2*	7.2*				
50	60	25	78.4	114.4	21.2*	21.2*								
50	60	30	75.8	113.2	20.5*	20.5*								
50	60	35	73.1	111.7	19.8*	19.8*								
50	60	40	70.3	110.0	19.1*	19.1*	78.3	110.3	18.0*	18.0*				
50	60	50	64.7	105.8	17.1*	17.1*	72.6	106.3	14.6*	14.6*				
50	60	60	58.8	100.3	13.5*	13.5*	66.6	101.0	11.0*	11.0*	73.9	99.1	8.4*	8.4*
50	60	70	52.4	93.4	9.7*	9.7*	60.3	94.2	8.4*	8.4*	67.3	92.2	7.1*	7.1*
50	60	80	45.5	84.5	7.8*	7.8*	53.2	85.6	7.0*	7.0*	59.9	83.2	5.8*	5.8*
50	60	90	37.7	73.2	6.3*	6.3*	45.2	74.2	5.8*	5.8*	51.4	71.2	5.3*	5.3*
50	60	100	28.1	57.6	5.4*	5.4*	35.3	58.4	5.1*	5.1*				
50	70	25	79.4	124.8	18.8*	18.8*								
50	70	30	77.0	123.8	18.1*	18.1*								
50	70	35	74.5	122.5	17.5*	17.5*								
50	70	40	72.0	121.0	16.8*	16.8*								
50	70	50	66.9	117.2	15.4*	15.4*	75.5	117.8	14.2*	14.2*				
50	70	60	61.6	112.4	13.3*	13.3*	70.1	113.2	11.7*	11.7*	78.1	111.4	9.2*	9.2*

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LS-238H Tubular Jib Capacities

Capacities shown in thousands of pounds

Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees — Boom Angle (deg)	0 Degrees — Jib Pt. Height (feet)	0 Degrees — ABC+ 20,000# Ctwt.	0 Degrees — ABC+0 Ctwt.	15 Degrees — Boom Angle (deg)	15 Degrees — Jib Pt. Height (feet)	15 Degrees — ABC+ 20,000# Ctwt.	15 Degrees — ABC+0 Ctwt.	30 Degrees — Boom Angle (deg)	30 Degrees — Jib Pt. Height (feet)	30 Degrees — ABC+ 20,000# Ctwt.	30 Degrees — ABC+0 Ctwt.
50	70	70	56.0	106.3	10.7*	10.7*	64.5	107.4	9.0*	9.0*	72.3	105.5	7.3*	7.3*
50	70	80	50.1	98.8	7.9*	7.9*	58.4	100.0	7.2*	7.2*	65.9	98.0	6.0*	6.0*
50	70	90	43.5	89.4	6.6*	6.6*	51.7	90.8	5.9*	5.9*	58.9	88.3	4.8*	4.8*
50	70	100	36.0	77.3	5.1*	5.1*	44.1	78.7	4.7*	4.7*	50.8	75.6	4.3*	4.3*
50	70	110	26.9	61.0	4.4*	4.4*	34.7	62.1	4.1*	4.1*				
60	30	19	79.7	95.4	29.9*	29.9*								
60	30	20	79.1	95.2	29.8*	29.8*								
60	30	25	75.8	94.0	28.8*	28.8*								
60	30	30	72.5	92.6	27.9*	27.9*	77.4	92.5	25.8*	25.8*				
60	30	35	69.1	90.8	26.9*	26.9*	74.0	90.8	24.9*	24.9*	78.4	89.3	21.9*	21.9*
60	30	40	65.7	88.7	25.9*	25.9*	70.5	88.8	24.0*	24.0*	74.8	87.3	20.3*	20.3*
60	30	50	58.5	83.4	24.0*	24.0*	63.2	83.5	22.0*	22.0*	67.3	82.0	17.8*	17.8*
60	30	60	50.7	76.2	21.9*	21.9*	55.3	76.5	18.9*	18.9*	59.1	74.7	15.8*	15.8*
60	30	70	41.8	66.6	18.4*	18.4*	46.3	66.8	15.9*	15.9*	49.7	64.6	14.6*	14.6*
60	30	80	31.1	53.0	15.6*	15.6*	35.4	53.1	15.1*	15.1*				
60	40	25	77.3	104.1	26.0*	26.0*								
60	40	30	74.3	102.8	25.2*	25.2*								
60	40	35	71.3	101.2	24.4*	24.4*	77.1	101.1	22.5*	22.5*				
60	40	40	68.3	99.3	23.6*	23.6*	74.1	99.3	21.1*	21.1*	79.4	97.4	17.6*	17.6*
60	40	50	61.9	94.5	21.1*	21.1*	67.7	94.6	18.3*	18.3*	72.8	92.8	15.3*	15.3*
60	40	60	55.2	88.2	18.1*	18.1*	60.9	88.5	15.7*	15.7*	65.8	86.5	13.1*	13.1*
60	40	70	47.9	80.2	15.4*	15.4*	53.5	80.5	13.4*	13.4*	58.1	78.3	11.5*	11.5*
60	40	80	39.6	69.6	12.8*	12.8*	45.0	70.0	11.5*	11.5*	49.1	67.2	10.5*	10.5*
60	40	90	29.5	54.9	11.1*	11.1*	34.6	55.1	10.3*	10.3*				
60	50	25	78.4	114.3	23.7*	23.7*								
60	50	30	75.8	113.1	22.9*	22.9*								
60	50	35	73.1	111.6	22.2*	22.2*	79.7	111.6	20.8*	20.8*				
60	50	40	70.3	109.9	21.5*	21.5*	77.0	109.9	19.5*	19.5*				
60	50	50	64.7	105.6	19.4*	19.4*	71.3	105.8	16.4*	16.4*	77.3	103.8	12.4*	12.4*
60	50	60	58.8	100.1	16.1*	16.1*	65.3	100.5	13.1*	13.1*	71.1	98.4	10.8*	10.8*
60	50	70	52.4	93.1	12.7*	12.7*	58.9	93.6	11.1*	11.1*	64.5	91.3	9.1*	9.1*
60	50	80	45.5	84.3	10.8*	10.8*	51.9	84.9	9.3*	9.3*	57.1	82.3	8.0*	8.0*
60	50	90	37.7	72.9	8.8*	8.8*	43.9	73.5	8.0*	8.0*	48.6	70.2	7.1*	7.1*
60	50	100	28.1	57.3	7.6*	7.6*	34.0	57.6	7.0*	7.0*				
60	60	25	79.4	124.6	21.5*	21.5*								
60	60	30	77.0	123.5	20.8*	20.8*								
60	60	35	74.5	122.2	20.2*	20.2*								
60	60	40	72.0	120.6	19.5*	19.5*	79.4	120.7	18.3*	18.3*				
60	60	50	66.9	116.8	18.2*	18.2*	74.2	117.1	15.6*	15.6*				
60	60	60	61.6	111.9	15.2*	15.2*	68.8	112.4	12.4*	12.4*	75.5	110.3	8.8*	8.8*
60	60	70	56.0	105.7	11.9*	11.9*	63.2	106.4	9.0*	9.0*	69.7	104.2	7.6*	7.6*
60	60	80	50.1	98.1	8.7*	8.7*	57.1	98.9	7.7*	7.7*	63.3	96.5	6.3*	6.3*
60	60	90	43.5	88.6	7.4*	7.4*	50.5	89.5	6.4*	6.4*	56.3	86.7	5.6*	5.6*
60	60	100	36.0	76.5	5.9*	5.9*	42.8	77.4	5.6*	5.6*	48.1	73.7	5.1*	5.1*
60	60	110	26.9	60.0	5.3*	5.3*	33.4	60.6	5.0*	5.0*				

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Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom											
			0 Degrees				15 Degrees				30 Degrees			
			Boom Angle (deg)	Jib Pt. Height (feet)	ABC+ 20,000# Ctwt.	ABC+0 Ctwt.	Boom Angle (deg)	Jib Pt. Height (feet)	ABC+ 20,000# Ctwt.	ABC+0 Ctwt.	Boom Angle (deg)	Jib Pt. Height (feet)	ABC+ 20,000# Ctwt.	ABC+0 Ctwt.
60	70	30	78.0	134.0	18.4*	18.4*								
60	70	35	75.7	132.8	17.8*	17.8*								
60	70	40	73.4	131.4	17.2*	17.2*								
60	70	50	68.8	128.0	15.9*	15.9*	76.7	128.5	14.7*	14.7*				
60	70	60	64.0	123.6	14.4*	14.4*	71.8	124.3	12.5*	12.5*	79.2	122.2	9.6*	9.6*
60	70	70	59.0	118.2	12.1*	12.1*	66.7	119.0	10.1*	10.1*	73.9	116.9	7.6*	7.6*
60	70	80	53.7	111.5	9.6*	9.6*	61.4	112.5	7.8*	7.8*	68.3	110.3	6.5*	6.5*
60	70	90	48.0	103.3	7.5*	7.5*	55.6	104.5	6.6*	6.6*	62.3	102.0	5.3*	5.3*
60	70	100	41.7	93.3	6.3*	6.3*	49.2	94.5	5.4*	5.4*	55.6	91.5	4.6*	4.6*
60	70	110	34.6	80.5	4.9*	4.9*	41.9	81.7	4.6*	4.6*	47.7	77.8	4.1*	4.1*
60	70	120	25.8	63.3	4.3*	4.3*	32.8	64.1	4.0*	4.0*				
70	30	25	77.3	104.3	29.2*	29.2*								
70	30	30	74.3	103.0	28.4*	28.4*	78.7	102.9	26.2*	26.2*				
70	30	35	71.3	101.5	27.5*	27.5*	75.7	101.4	25.4*	25.4*	79.6	99.8	22.4*	22.4*
70	30	40	68.3	99.6	26.7*	26.7*	72.6	99.6	24.5*	24.5*	76.5	98.0	20.9*	20.9*
70	30	50	61.9	94.9	24.9*	24.9*	66.2	95.0	22.8*	22.8*	69.9	93.4	18.5*	18.5*
70	30	60	55.2	88.8	23.1*	23.1*	59.4	88.9	20.6*	20.6*	62.9	87.2	16.7*	16.7*
70	30	70	47.9	80.8	20.8*	20.8*	52.0	81.0	17.6*	17.6*	55.2	79.0	15.3*	15.3*
70	30	80	39.6	70.3	17.5*	17.5*	43.6	70.5	15.7*	15.7*	46.4	68.0	14.2*	14.2*
70	30	90	29.5	55.7	15.5*	15.5*	33.2	55.7	15.0*	15.0*				
70	40	25	78.4	114.4	26.3*	26.3*								
70	40	30	75.8	113.2	25.6*	25.6*								
70	40	35	73.1	111.7	24.9*	24.9*	78.4	111.5	23.0*	23.0*				
70	40	40	70.3	110.0	24.2*	24.2*	75.6	109.9	21.8*	21.8*				
70	40	50	64.7	105.7	22.3*	22.3*	69.9	105.8	19.3*	19.3*	74.6	103.8	15.8*	15.8*
70	40	60	58.8	100.2	19.7*	19.7*	63.9	100.4	16.6*	16.6*	68.4	98.3	13.9*	13.9*
70	40	70	52.4	93.3	16.9*	16.9*	57.5	93.5	14.6*	14.6*	61.8	91.3	11.9*	11.9*
70	40	80	45.5	84.4	14.7*	14.7*	50.5	84.8	12.5*	12.5*	54.5	82.2	11.1*	11.1*
70	40	90	37.7	73.1	12.2*	12.2*	42.5	73.4	11.2*	11.2*				
70	40	100	28.1	57.5	11.0*	11.0*								
70	50	25	79.4	124.5	23.9*	23.9*								
70	50	30	77.0	123.4	23.3*	23.3*								
70	50	35	74.5	122.1	22.6*	22.6*								
70	50	40	72.0	120.5	21.9*	21.9*	78.1	120.4	20.1*	20.1*				
70	50	50	66.9	116.6	20.6*	20.6*	73.0	116.7	17.3*	17.3*	78.5	114.5	13.1*	13.1*
70	50	60	61.6	111.7	17.7*	17.7*	67.6	111.9	14.4*	14.4*	73.0	109.7	11.3*	11.3*
70	50	70	56.0	105.5	14.7*	14.7*	62.0	105.9	11.9*	11.9*	67.1	103.5	9.8*	9.8*
70	50	80	50.1	97.8	11.9*	11.9*	55.9	98.3	10.3*	10.3*	60.8	95.7	8.4*	8.4*
70	50	90	43.5	88.3	10.2*	10.2*	49.2	88.9	8.6*	8.6*	53.8	85.8	7.7*	7.7*
70	50	100	36.0	76.2	8.5*	8.5*	41.6	76.6	7.8*	7.8*				
70	50	110	26.9	59.7	7.5*	7.5*								
70	60	30	78.0	133.8	21.1*	21.1*								
70	60	35	75.7	132.6	20.5*	20.5*								
70	60	40	73.4	131.1	19.9*	19.9*								
70	60	50	68.8	127.6	18.7*	18.7*	75.5	127.8	16.4*	16.4*				
70	60	60	64.0	123.2	16.7*	16.7*	70.7	123.5	13.4*	13.4*	76.8	121.2	9.1*	9.1*

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LS-238H Tubular Jib Capacities

Capacities shown in thousands of pounds

Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees — Boom Angle (deg)	0 Degrees — Jib Pt. Height (feet)	0 Degrees — ABC+ 20,000# Ctwt.	0 Degrees — ABC+0 Ctwt.	15 Degrees — Boom Angle (deg)	15 Degrees — Jib Pt. Height (feet)	15 Degrees — ABC+ 20,000# Ctwt.	15 Degrees — ABC+0 Ctwt.	30 Degrees — Boom Angle (deg)	30 Degrees — Jib Pt. Height (feet)	30 Degrees — ABC+ 20,000# Ctwt.	30 Degrees — ABC+0 Ctwt.
70	60	70	59.0	117.6	13.6*	13.6*	65.6	118.2	10.4*	10.4*	71.6	115.8	8.0*	8.0*
70	60	80	53.7	110.9	10.5*	10.5*	60.2	111.5	8.4*	8.4*	66.0	109.0	6.8*	6.8*
70	60	90	48.0	102.6	8.3*	8.3*	54.4	103.4	7.2*	7.2*	59.9	100.5	5.8*	5.8*
70	60	100	41.7	92.5	7.1*	7.1*	48.1	93.3	5.9*	5.9*	53.2	89.9	5.4*	5.4*
70	60	110	34.6	79.7	5.8*	5.8*	40.8	80.4	5.5*	5.5*				
70	60	120	25.8	62.4	5.3*	5.3*								
70	70	30	78.9	144.2	18.6*	18.6*								
70	70	35	76.8	143.1	18.1*	18.1*								
70	70	40	74.7	141.8	17.5*	17.5*								
70	70	50	70.4	138.7	16.3*	16.3*	77.7	139.0	15.1*	15.1*				
70	70	60	66.0	134.7	15.2*	15.2*	73.2	135.2	13.1*	13.1*				
70	70	70	61.4	129.7	13.2*	13.2*	68.6	130.4	11.0*	11.0*	75.3	128.0	7.9*	7.9*
70	70	80	56.6	123.7	11.0*	11.0*	63.8	124.6	8.7*	8.7*	70.3	122.1	6.9*	6.9*
70	70	90	51.6	116.4	8.6*	8.6*	58.7	117.5	7.3*	7.3*	64.9	114.8	5.8*	5.8*
70	70	100	46.1	107.7	7.1*	7.1*	53.1	108.8	6.1*	6.1*	59.1	105.8	4.9*	4.9*
70	70	110	40.1	97.0	6.0*	6.0*	47.0	98.1	4.9*	4.9*	52.7	94.5	4.4*	4.4*
70	70	120	33.3	83.6	4.8*	4.8*	40.0	84.6	4.5*	4.5*				
70	70	130	24.8	65.6	4.3*	4.3*								
80	30	25	78.4	114.6	29.6*	29.6*								
80	30	30	75.8	113.4	28.8*	28.8*	79.7	113.2	26.5*	26.5*				
80	30	35	73.1	112.0	28.0*	28.0*	77.0	111.8	25.7*	25.7*				
80	30	40	70.3	110.3	27.2*	27.2*	74.3	110.2	25.0*	25.0*	77.8	108.6	21.4*	21.4*
80	30	50	64.7	106.1	25.7*	25.7*	68.6	106.1	23.5*	23.5*	72.0	104.5	19.1*	19.1*
80	30	60	58.8	100.7	24.1*	24.1*	62.6	100.8	21.9*	21.9*	65.8	99.0	17.3*	17.3*
80	30	70	52.4	93.8	22.4*	22.4*	56.2	94.0	19.3*	19.3*	59.3	92.0	15.8*	15.8*
80	30	80	45.5	85.1	19.8*	19.8*	49.2	85.3	16.5*	16.5*	52.0	83.0	14.8*	14.8*
80	30	90	37.7	73.8	16.7*	16.7*	41.3	73.9	15.5*	15.5*				
80	30	100	28.1	58.3	15.4*	15.4*								
80	40	25	79.4	124.6	26.6*	26.6*								
80	40	30	77.0	123.5	25.9*	25.9*								
80	40	35	74.5	122.1	25.3*	25.3*	79.4	121.9	23.4*	23.4*				
80	40	40	72.0	120.6	24.6*	24.6*	76.9	120.4	22.3*	22.3*				
80	40	50	66.9	116.7	23.3*	23.3*	71.7	116.7	20.1*	20.1*	76.0	114.6	16.2*	16.2*
80	40	60	61.6	111.8	20.9*	20.9*	66.4	111.9	17.7*	17.7*	70.5	109.7	14.5*	14.5*
80	40	70	56.0	105.6	18.5*	18.5*	60.7	105.8	15.6*	15.6*	64.7	103.5	12.7*	12.7*
80	40	80	50.1	98.0	16.1*	16.1*	54.7	98.3	13.8*	13.8*	58.4	95.8	11.5*	11.5*
80	40	90	43.5	88.5	14.0*	14.0*	48.0	88.8	11.8*	11.8*	51.5	85.9	10.7*	10.7*
80	40	100	36.0	76.4	11.9*	11.9*	40.4	76.6	11.0*	11.0*				
80	40	110	26.9	59.9	10.8*	10.8*								
80	50	30	78.0	133.7	23.5*	23.5*								
80	50	35	75.7	132.5	22.9*	22.9*								
80	50	40	73.4	131.0	22.3*	22.3*	79.1	130.8	20.6*	20.6*				
80	50	50	68.8	127.5	21.1*	21.1*	74.4	127.4	18.1*	18.1*	79.5	125.1	13.6*	13.6*
80	50	60	64.0	123.0	19.0*	19.0*	69.5	123.1	15.4*	15.4*	74.5	120.7	11.7*	11.7*
80	50	70	59.0	117.4	16.3*	16.3*	64.4	117.7	12.7*	12.7*	69.3	115.2	10.3*	10.3*
80	50	80	53.7	110.6	13.4*	13.4*	59.1	111.0	11.1*	11.1*	63.7	108.4	8.9*	8.9*

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Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom											
			0 Degrees				15 Degrees				30 Degrees			
			Boom Angle (deg)	Jib Pt. Height (feet)	ABC+ 20,000# Ctwt.	ABC+0 Ctwt.	Boom Angle (deg)	Jib Pt. Height (feet)	ABC+ 20,000# Ctwt.	ABC+0 Ctwt.	Boom Angle (deg)	Jib Pt. Height (feet)	ABC+ 20,000# Ctwt.	ABC+0 Ctwt.
80	50	90	48.0	102.4	11.4*	11.4*	53.3	102.8	9.7*	9.7*	57.7	99.9	8.1*	8.1*
80	50	100	41.7	92.2	9.8*	9.8*	46.9	92.6	8.3*	8.3*	51.0	89.2	7.4*	7.4*
80	50	110	34.6	79.3	8.3*	8.3*	39.6	79.7	7.6*	7.6*				
80	50	120	25.8	62.0	7.4*	7.4*								
80	60	30	78.9	144.0	21.3*	21.3*								
80	60	35	76.8	142.9	20.8*	20.8*								
80	60	40	74.7	141.6	20.2*	20.2*								
80	60	50	70.4	138.3	19.1*	19.1*	76.6	138.4	17.0*	17.0*				
80	60	60	66.0	134.2	17.8*	17.8*	72.2	134.5	14.3*	14.3*	77.9	132.0	9.8*	9.8*
80	60	70	61.4	129.2	15.1*	15.1*	67.5	129.6	11.6*	11.6*	73.1	127.0	8.3*	8.3*
80	60	80	56.6	123.1	12.2*	12.2*	62.7	123.6	8.9*	8.9*	68.1	121.0	7.3*	7.3*
80	60	90	51.6	115.8	9.2*	9.2*	57.6	116.4	7.8*	7.8*	62.8	113.5	6.2*	6.2*
80	60	100	46.1	107.0	7.9*	7.9*	52.1	107.7	6.7*	6.7*	57.0	104.4	5.7*	5.7*
80	60	110	40.1	96.2	6.7*	6.7*	46.0	96.9	5.8*	5.8*	50.5	93.1	5.2*	5.2*
80	60	120	33.3	82.7	5.8*	5.8*	39.0	83.3	5.3*	5.3*				
80	60	130	24.8	64.6	5.2*	5.2*								
80	70	30	79.6	154.4	18.8*	18.8*								
80	70	35	77.7	153.4	18.3*	18.3*								
80	70	40	75.7	152.2	17.8*	17.8*								
80	70	50	71.7	149.3	16.7*	16.7*	78.6	149.4	15.3*	15.3*				
80	70	60	67.6	145.6	15.6*	15.6*	74.4	145.9	13.7*	13.7*				
80	70	70	63.4	141.0	14.2*	14.2*	70.2	141.5	11.7*	11.7*	76.4	139.0	8.4*	8.4*
80	70	80	59.1	135.5	12.1*	12.1*	65.8	136.2	9.7*	9.7*	71.9	133.6	7.2*	7.2*
80	70	90	54.5	129.0	10.0*	10.0*	61.2	129.8	7.8*	7.8*	67.1	127.0	6.3*	6.3*
80	70	100	49.7	121.2	7.9*	7.9*	56.3	122.1	6.8*	6.8*	61.9	119.1	5.2*	5.2*
80	70	110	44.5	111.9	6.8*	6.8*	51.0	112.9	5.7*	5.7*	56.4	109.4	4.7*	4.7*
80	70	120	38.7	100.6	5.7*	5.7*	45.1	101.6	4.8*	4.8*	50.1	97.4	4.3*	4.3*
80	70	130	32.1	86.5	4.7*	4.7*	38.3	87.4	4.4*	4.4*				
80	70	140	24.0	67.7	4.2*	4.2*								
90	30	25	79.4	124.8	29.9*	29.9*								
90	30	30	77.0	123.7	29.2*	29.2*								
90	30	35	74.5	122.4	28.4*	28.4*	78.1	122.2	26.0*	26.0*				
90	30	40	72.0	120.9	27.7*	27.7*	75.6	120.7	25.4*	25.4*	78.9	119.1	21.8*	21.8*
90	30	50	66.9	117.1	26.3*	26.3*	70.5	117.1	24.0*	24.0*	73.6	115.4	19.6*	19.6*
90	30	60	61.6	112.2	24.8*	24.8*	65.1	112.3	22.6*	22.6*	68.2	110.5	17.8*	17.8*
90	30	70	56.0	106.2	23.3*	23.3*	59.5	106.3	20.6*	20.6*	62.4	104.4	16.4*	16.4*
90	30	80	50.1	98.6	21.7*	21.7*	53.5	98.7	18.2*	18.2*	56.2	96.6	15.3*	15.3*
90	30	90	43.5	89.2	19.0*	19.0*	46.8	89.3	15.9*	15.9*	49.3	86.9	14.4*	14.4*
90	30	100	36.0	77.1	16.0*	16.0*	39.3	77.2	15.4*	15.4*				
90	30	110	26.9	60.7	15.4*	14.4								
90	40	30	78.0	133.7	26.2*	26.2*								
90	40	35	75.7	132.5	25.6*	25.6*								
90	40	40	73.4	131.1	25.0*	25.0*	77.9	130.8	22.8*	22.8*				
90	40	50	68.8	127.6	23.8*	23.8*	73.2	127.4	20.7*	20.7*	77.2	125.3	16.6*	16.6*
90	40	60	64.0	123.1	22.0*	22.0*	68.4	123.1	18.6*	18.6*	72.2	120.9	15.1*	15.1*
90	40	70	59.0	117.6	19.8*	19.8*	63.3	117.6	16.5*	16.5*	67.0	115.3	13.4*	13.4*

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LS-238H Tubular Jib Capacities

Capacities shown in thousands of pounds

Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Degrees Jib Pt. Height (feet)	0 Degrees ABC+ 20,000# Ctwt.	0 Degrees ABC+0 Ctwt.	15 Degrees Boom Angle (deg)	15 Degrees Jib Pt. Height (feet)	15 Degrees ABC+ 20,000# Ctwt.	15 Degrees ABC+0 Ctwt.	30 Degrees Boom Angle (deg)	30 Degrees Jib Pt. Height (feet)	30 Degrees ABC+ 20,000# Ctwt.	30 Degrees ABC+0 Ctwt.
90	40	80	53.7	110.8	17.4*	17.4*	57.9	111.0	14.8*	14.8*	61.5	108.5	11.9*	11.9*
90	40	90	48.0	102.5	15.4*	15.4*	52.2	102.7	13.0*	13.0*	55.5	100.0	11.2*	11.2*
90	40	100	41.7	92.4	13.5*	13.5*	45.8	92.6	11.6*	11.6*	48.9	89.4	10.4*	10.4*
90	40	110	34.6	79.5	11.7*	11.7*	38.6	79.6	10.8*	10.8*				
90	40	120	25.8	62.2	10.7*	10.7*								
90	50	30	78.9	143.9	23.8*	23.8*								
90	50	35	76.8	142.8	23.2*	23.2*								
90	50	40	74.7	141.4	22.6*	22.6*	79.9	141.2	20.8*	20.8*				
90	50	50	70.4	138.2	21.5*	21.5*	75.5	138.1	18.7*	18.7*				
90	50	60	66.0	134.1	20.1*	20.1*	71.1	134.1	16.3*	16.3*	75.7	131.6	12.0*	12.0*
90	50	70	61.4	129.0	17.6*	17.6*	66.5	129.1	13.8*	13.8*	71.0	126.6	10.8*	10.8*
90	50	80	56.6	122.9	15.0*	15.0*	61.7	123.1	11.8*	11.8*	66.0	120.5	9.5*	9.5*
90	50	90	51.6	115.5	12.3*	12.3*	56.5	115.9	10.5*	10.5*	60.7	113.0	8.4*	8.4*
90	50	100	46.1	106.7	10.9*	10.9*	51.0	107.1	9.1*	9.1*	54.9	103.8	7.8*	7.8*
90	50	110	40.1	95.9	9.4*	9.4*	44.9	96.3	8.1*	8.1*	48.5	92.5	7.1*	7.1*
90	50	120	33.3	82.4	8.2*	8.2*	37.9	82.6	7.4*	7.4*				
90	50	130	24.8	64.2	7.3*	7.3*								
90	60	30	79.6	154.2	21.5*	21.5*								
90	60	35	77.7	153.1	21.0*	21.0*								
90	60	40	75.7	151.9	20.5*	20.5*								
90	60	50	71.7	148.9	19.4*	19.4*	77.6	148.9	17.6*	17.6*				
90	60	60	67.6	145.1	18.4*	18.4*	73.4	145.3	15.1*	15.1*	78.8	142.6	10.3*	10.3*
90	60	70	63.4	140.5	16.3*	16.3*	69.2	140.8	12.6*	12.6*	74.4	138.1	8.5*	8.5*
90	60	80	59.1	135.0	13.7*	13.7*	64.8	135.4	9.9*	9.9*	69.9	132.6	7.6*	7.6*
90	60	90	54.5	128.3	11.0*	11.0*	60.2	128.9	8.4*	8.4*	65.1	125.9	6.7*	6.7*
90	60	100	49.7	120.5	8.7*	8.7*	55.3	121.1	7.4*	7.4*	60.0	117.9	5.8*	5.8*
90	60	110	44.5	111.1	7.6*	7.6*	50.0	111.7	6.3*	6.3*	54.4	108.1	5.5*	5.5*
90	60	120	38.7	99.8	6.5*	6.5*	44.1	100.4	5.7*	5.7*	48.2	96.1	5.1*	5.1*
90	60	130	32.1	85.6	5.7*	5.7*	37.3	86.0	5.2*	5.2*				
90	60	140	24.0	66.8	5.1*	5.1*								
90	70	35	78.4	163.6	18.5*	18.5*								
90	70	40	76.6	162.5	18.0*	18.0*								
90	70	50	72.9	159.8	17.0*	17.0*	79.3	159.8	15.5*	15.5*				
90	70	60	69.1	156.3	16.0*	16.0*	75.5	156.6	14.2*	14.2*				
90	70	70	65.2	152.1	15.0*	15.0*	71.6	152.5	12.3*	12.3*	77.4	149.8	8.8*	8.8*
90	70	80	61.2	147.0	13.1*	13.1*	67.5	147.6	10.4*	10.4*	73.2	144.8	7.5*	7.5*
90	70	90	57.0	141.0	11.2*	11.2*	63.3	141.8	8.5*	8.5*	68.8	138.9	6.6*	6.6*
90	70	100	52.7	134.0	9.1*	9.1*	58.8	134.8	7.3*	7.3*	64.2	131.7	5.7*	5.7*
90	70	110	48.0	125.7	7.5*	7.5*	54.1	126.6	6.3*	6.3*	59.3	123.2	4.9*	4.9*
90	70	120	43.0	115.9	6.5*	6.5*	49.0	116.8	5.3*	5.3*	53.9	112.9	4.5*	4.5*
90	70	130	37.4	104.0	5.4*	5.4*	43.4	104.9	4.7*	4.7*	47.8	100.2	4.1*	4.1*
90	70	140	31.1	89.3	4.7*	4.7*	36.8	90.0	4.3*	4.3*				
90	70	150	23.2	69.8	4.2*	4.2*								
100	30	30	78.0	133.9	29.4*	29.4*								
100	30	35	75.7	132.8	28.8*	28.8*	79.1	132.5	26.3*	26.3*				
100	30	40	73.4	131.4	28.1*	28.1*	76.8	131.2	25.7*	25.7*	79.8	129.5	22.2*	22.2*

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Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Degrees Jib Pt. Height (feet)	0 Degrees ABC+ 20,000# Ctwt.	0 Degrees ABC+0 Ctwt.	15 Degrees Boom Angle (deg)	15 Degrees Jib Pt. Height (feet)	15 Degrees ABC+ 20,000# Ctwt.	15 Degrees ABC+0 Ctwt.	30 Degrees Boom Angle (deg)	30 Degrees Jib Pt. Height (feet)	30 Degrees ABC+ 20,000# Ctwt.	30 Degrees ABC+0 Ctwt.
100	30	50	68.8	127.9	26.8*	26.8*	72.1	127.8	24.4*	24.4*	75.0	126.1	20.0*	20.0*
100	30	60	64.0	123.5	25.5*	25.5*	67.2	123.5	23.1*	23.1*	70.1	121.7	18.3*	18.3*
100	30	70	59.0	118.0	24.1*	24.1*	62.2	118.1	21.7*	21.7*	64.9	116.2	17.0*	17.0*
100	30	80	53.7	111.3	22.7*	22.3	56.8	111.4	19.6*	19.6*	59.4	109.4	15.8*	15.8*
100	30	90	48.0	103.2	20.3	18.9	51.1	103.3	17.3*	17.3*	53.5	101.0	14.9*	14.9*
100	30	100	41.7	93.1	17.5	16.3	44.8	93.2	15.7*	15.7*	46.9	90.5	14.1*	14.1*
100	30	110	34.6	80.3	15.2	14.1	37.5	80.3	15.3*	14.3				
100	30	120	25.8	63.1	13.3	12.4								
100	40	30	78.9	144.0	26.4*	26.4*								
100	40	35	76.8	142.8	25.9*	25.9*								
100	40	40	74.7	141.5	25.3*	25.3*	78.8	141.2	23.2*	23.2*				
100	40	50	70.4	138.3	24.2*	24.2*	74.5	138.1	21.3*	21.3*	78.2	135.9	16.9*	16.9*
100	40	60	66.0	134.2	22.8*	22.8*	70.0	134.1	19.3*	19.3*	73.7	131.8	15.4*	15.4*
100	40	70	61.4	129.1	20.8*	20.8*	65.4	129.1	17.3*	17.3*	68.9	126.8	14.0*	14.0*
100	40	80	56.6	123.0	18.7*	18.7*	60.6	123.1	15.6*	15.6*	64.0	120.7	12.5*	12.5*
100	40	90	51.6	115.7	16.5*	16.5*	55.5	115.8	14.0*	14.0*	58.7	113.2	11.5*	11.5*
100	40	100	46.1	106.8	14.8*	14.8*	50.0	107.0	12.3*	12.3*	53.0	104.1	10.9*	10.9*
100	40	110	40.1	96.1	13.0*	13.0*	43.9	96.2	11.4*	11.4*				
100	40	120	33.3	82.6	11.5*	11.5*	36.9	82.6	10.6*	10.6*				
100	40	130	24.8	64.5	10.6*	10.6*								
100	50	30	79.6	154.1	24.0*	24.0*								
100	50	35	77.7	153.1	23.4*	23.4*								
100	50	40	75.7	151.8	22.9*	22.9*								
100	50	50	71.7	148.8	21.9*	21.9*	76.6	148.6	19.3*	19.3*				
100	50	60	67.6	145.0	20.8*	20.8*	72.5	144.9	17.1*	17.1*	76.8	142.3	12.3*	12.3*
100	50	70	63.4	140.3	18.7*	18.7*	68.2	140.4	14.7*	14.7*	72.4	137.8	11.2*	11.2*
100	50	80	59.1	134.7	16.3*	16.3*	63.8	134.9	12.3*	12.3*	67.9	132.2	10.0*	10.0*
100	50	90	54.5	128.1	13.8*	13.8*	59.2	128.4	11.2*	11.2*	63.1	125.5	8.8*	8.8*
100	50	100	49.7	120.2	11.8*	11.8*	54.3	120.5	9.9*	9.9*	58.0	117.4	8.1*	8.1*
100	50	110	44.5	110.8	10.5*	10.5*	49.0	111.2	8.6*	8.6*	52.5	107.6	7.5*	7.5*
100	50	120	38.7	99.4	9.0*	9.0*	43.1	99.7	7.9*	7.9*				
100	50	130	32.1	85.3	8.0*	8.0*	36.4	85.4	7.2*	7.2*				
100	50	140	24.0	66.4	7.2*	7.2*								
100	60	35	78.4	163.4	21.2*	21.2*								
100	60	40	76.6	162.2	20.7*	20.7*								
100	60	50	72.9	159.4	19.8*	19.8*	78.4	159.3	18.0*	18.0*				
100	60	60	69.1	155.9	18.7*	18.7*	74.5	155.9	15.8*	15.8*	79.6	153.2	10.8*	10.8*
100	60	70	65.2	151.6	17.4*	17.4*	70.6	151.8	13.4*	13.4*	75.5	149.0	8.8*	8.8*
100	60	80	61.2	146.5	15.0*	15.0*	66.6	146.8	11.0*	11.0*	71.3	143.9	7.9*	7.9*
100	60	90	57.0	140.5	12.5*	12.5*	62.4	140.9	8.8*	8.8*	67.0	137.9	7.0*	7.0*
100	60	100	52.7	133.4	9.9*	9.9*	57.9	133.9	7.9*	7.9*	62.4	130.6	6.1*	6.1*
100	60	110	48.0	125.0	8.3*	8.3*	53.2	125.6	7.0*	7.0*	57.5	122.0	5.7*	5.7*
100	60	120	43.0	115.1	7.3*	7.3*	48.1	115.7	5.9*	5.9*	52.1	111.7	5.3*	5.3*
100	60	130	37.4	103.2	6.2*	6.2*	42.4	103.7	5.6*	5.6*				
100	60	140	31.1	88.4	5.6*	5.6*	35.9	88.7	5.1*	5.1*				
100	60	150	23.2	68.8	5.1*	5.1*								

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LS-238H Tubular Jib Capacities

Capacities shown in thousands of pounds

Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Degrees Jib Pt. Height (feet)	0 Degrees ABC+ 20,000# Ctwt.	0 Degrees ABC+0 Ctwt.	15 Degrees Boom Angle (deg)	15 Degrees Jib Pt. Height (feet)	15 Degrees ABC+ 20,000# Ctwt.	15 Degrees ABC+0 Ctwt.	30 Degrees Boom Angle (deg)	30 Degrees Jib Pt. Height (feet)	30 Degrees ABC+ 20,000# Ctwt.	30 Degrees ABC+0 Ctwt.
100	70	35	79.1	173.8	18.7*	18.7*								
100	70	40	77.4	172.8	18.2*	18.2*								
100	70	50	73.9	170.2	17.3*	17.3*	80.0	170.2	15.7*	15.7*				
100	70	60	70.4	167.0	16.4*	16.4*	76.4	167.1	14.6*	14.6*				
100	70	70	66.8	163.0	15.4*	15.4*	72.7	163.3	12.9*	12.9*	78.2	160.5	9.2*	9.2*
100	70	80	63.0	158.4	14.0*	14.0*	69.0	158.8	11.1*	11.1*	74.3	155.9	7.7*	7.7*
100	70	90	59.2	152.8	12.2*	12.2*	65.1	153.4	9.3*	9.3*	70.3	150.4	6.9*	6.9*
100	70	100	55.2	146.4	10.3*	10.3*	61.0	147.1	7.7*	7.7*	66.1	143.9	6.1*	6.1*
100	70	110	51.0	138.9	8.3*	8.3*	56.8	139.7	6.9*	6.9*	61.7	136.2	5.2*	5.2*
100	70	120	46.5	130.1	7.2*	7.2*	52.2	130.9	6.0*	6.0*	56.9	127.1	4.7*	4.7*
100	70	130	41.6	119.7	6.3*	6.3*	47.3	120.6	5.0*	5.0*	51.7	116.3	4.4*	4.4*
100	70	140	36.3	107.4	5.2*	5.2*	41.8	108.1	4.6*	4.6*	45.8	102.9	4.0*	4.0*
100	70	150	30.1	92.1	4.6*	4.6*	35.5	92.6	4.2*	4.2*				
100	70	160	22.5	71.8	4.1*	4.1*								
110	30	30	78.9	144.2	29.7*	29.7*								
110	30	35	76.8	143.1	29.1*	29.1*	79.9	142.8	26.5*	26.5*				
110	30	40	74.7	141.8	28.5*	28.5*	77.8	141.6	25.9*	25.9*				
110	30	50	70.4	138.6	27.3*	27.3*	73.4	138.5	24.8*	24.8*	76.2	136.7	20.4*	20.4*
110	30	60	66.0	134.6	26.0*	26.0*	69.0	134.5	23.6*	23.6*	71.6	132.7	18.8*	18.8*
110	30	70	61.4	129.6	24.8*	24.8*	64.4	129.6	22.4*	22.4*	66.9	127.7	17.4*	17.4*
110	30	80	56.6	123.5	23.4	22.1	59.6	123.6	20.7*	20.7*	62.0	121.6	16.3*	16.3*
110	30	90	51.6	116.3	20.0	18.7	54.5	116.4	18.6*	18.6*	56.8	114.2	15.3*	15.3*
110	30	100	46.1	107.5	17.2	16.0	49.0	107.6	16.4*	16.3	51.1	105.2	14.6*	14.6*
110	30	110	40.1	96.8	15.0	13.9	42.9	96.8	15.2	14.1				
110	30	120	33.3	83.3	13.1	12.1	36.0	83.3	13.3	12.3				
110	30	130	24.8	65.3	11.5	10.6								
110	40	30	79.6	154.2	26.6*	26.6*								
110	40	35	77.7	153.1	26.1*	26.1*								
110	40	40	75.7	151.9	25.6*	25.6*	79.6	151.5	23.4*	23.4*				
110	40	50	71.7	148.9	24.5*	24.5*	75.6	148.6	21.8*	21.8*	79.1	146.3	17.1*	17.1*
110	40	60	67.6	145.1	23.5*	23.5*	71.5	144.9	20.0*	20.0*	74.9	142.6	15.7*	15.7*
110	40	70	63.4	140.4	21.7*	21.7*	67.2	140.4	18.1*	18.1*	70.5	138.0	14.5*	14.5*
110	40	80	59.1	134.9	19.8*	19.8*	62.8	134.9	16.3*	16.3*	66.0	132.4	13.1*	13.1*
110	40	90	54.5	128.3	17.8*	17.8*	58.2	128.3	14.9*	14.9*	61.3	125.7	11.8*	11.8*
110	40	100	49.7	120.4	16.0*	16.0*	53.3	120.5	13.3*	13.3*	56.2	117.7	11.3*	11.3*
110	40	110	44.5	111.0	14.3*	14.1	48.1	111.1	11.9*	11.9*	50.7	108.0	10.6*	10.6*
110	40	120	38.7	99.6	12.5*	12.3	42.2	99.7	11.2*	11.2*				
110	40	130	32.1	85.5	11.4*	10.8	35.5	85.4	10.4*	10.4*				
110	40	140	24.0	66.6	10.4	9.6								
110	50	35	78.4	163.3	23.7*	23.7*								
110	50	40	76.6	162.1	23.2*	23.2*								
110	50	50	72.9	159.3	22.2*	22.2*	77.4	159.0	19.8*	19.8*				
110	50	60	69.1	155.8	21.2*	21.2*	73.6	155.6	17.7*	17.7*	77.7	153.0	12.6*	12.6*
110	50	70	65.2	151.5	19.7*	19.7*	69.7	151.4	15.6*	15.6*	73.7	148.7	11.5*	11.5*
110	50	80	61.2	146.3	17.5*	17.5*	65.7	146.4	13.3*	13.3*	69.5	143.6	10.4*	10.4*
110	50	90	57.0	140.2	15.2*	15.2*	61.4	140.4	11.7*	11.7*	65.2	137.5	9.3*	9.3*
110	50	100	52.7	133.1	12.8*	12.8*	57.0	133.3	10.6*	10.6*	60.6	130.3	8.4*	8.4*

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Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees — Boom Angle (deg)	0 Degrees — Jib Pt. Height (feet)	0 Degrees — ABC+ 20,000# Ctwt.	0 Degrees — ABC+0 Ctwt.	15 Degrees — Boom Angle (deg)	15 Degrees — Jib Pt. Height (feet)	15 Degrees — ABC+ 20,000# Ctwt.	15 Degrees — ABC+0 Ctwt.	30 Degrees — Boom Angle (deg)	30 Degrees — Jib Pt. Height (feet)	30 Degrees — ABC+ 20,000# Ctwt.	30 Degrees — ABC+0 Ctwt.
110	50	110	48.0	124.7	11.4*	11.4*	52.3	125.0	9.4*	9.4*	55.7	121.6	7.9*	7.9*
110	50	120	43.0	114.8	10.1*	10.1*	47.2	115.1	8.4*	8.4*	50.4	111.3	7.3*	7.3*
110	50	130	37.4	102.9	8.7*	8.7*	41.6	103.1	7.8*	7.8*				
110	50	140	31.1	88.1	7.9*	7.9*	35.0	88.1	7.1*	7.1*				
110	50	150	23.2	68.5	7.1*	7.1*								
110	60	35	79.1	173.6	21.4*	21.4*								
110	60	40	77.4	172.5	21.0*	21.0*								
110	60	50	73.9	169.9	20.0*	20.0*	79.1	169.7	18.2*	18.2*				
110	60	60	70.4	166.6	19.1*	19.1*	75.5	166.5	16.4*	16.4*				
110	60	70	66.8	162.6	18.1*	18.1*	71.9	162.7	14.2*	14.2*	76.5	159.8	8.9*	8.9*
110	60	80	63.0	157.9	16.1*	16.1*	68.1	158.1	11.9*	11.9*	72.6	155.1	8.2*	8.2*
110	60	90	59.2	152.3	13.8*	13.8*	64.2	152.6	9.6*	9.6*	68.6	149.5	7.4*	7.4*
110	60	100	55.2	145.8	11.4*	11.4*	60.2	146.2	8.3*	8.3*	64.4	142.9	6.5*	6.5*
110	60	110	51.0	138.2	8.9*	8.9*	55.9	138.7	7.5*	7.5*	60.0	135.2	5.8*	5.8*
110	60	120	46.5	129.3	8.0*	8.0*	51.3	129.9	6.6*	6.6*	55.2	126.0	5.5*	5.5*
110	60	130	41.6	118.9	7.1*	7.1*	46.4	119.4	5.8*	5.8*	50.0	115.1	5.2*	5.2*
110	60	140	36.3	106.5	6.0*	6.0*	40.9	106.9	5.5*	5.5*				
110	60	150	30.1	91.2	5.5*	5.5*	34.6	91.3	5.0*	5.0*				
110	60	160	22.5	70.9	5.0*	5.0*								
110	70	35	79.7	184.0	18.9*	18.9*								
110	70	40	78.1	183.0	18.4*	18.4*								
110	70	50	74.8	180.6	17.5*	17.5*								
110	70	60	71.5	177.6	16.7*	16.7*	77.2	177.6	15.0*	15.0*				
110	70	70	68.1	173.9	15.8*	15.8*	73.8	174.1	13.4*	13.4*	79.0	171.1	9.5*	9.5*
110	70	80	64.7	169.5	14.7*	14.7*	70.3	169.8	11.7*	11.7*	75.3	166.8	7.9*	7.9*
110	70	90	61.1	164.4	13.1*	13.1*	66.6	164.8	10.0*	10.0*	71.6	161.7	7.2*	7.2*
110	70	100	57.4	158.4	11.3*	11.3*	62.9	159.0	8.3*	8.3*	67.7	155.7	6.4*	6.4*
110	70	110	53.5	151.5	9.5*	9.5*	59.0	152.2	7.3*	7.3*	63.7	148.8	5.6*	5.6*
110	70	120	49.4	143.5	7.8*	7.8*	54.9	144.3	6.5*	6.5*	59.4	140.6	4.9*	4.9*
110	70	130	45.1	134.3	6.9*	6.9*	50.5	135.1	5.6*	5.6*	54.8	130.9	4.6*	4.6*
110	70	140	40.4	123.5	6.0*	6.0*	45.7	124.3	4.9*	4.9*	49.7	119.5	4.2*	4.2*
110	70	150	35.2	110.6	5.0*	5.0*	40.4	111.2	4.5*	4.5*				
110	70	160	29.3	94.7	4.6*	4.6*	34.2	95.1	4.1*	4.1*				
110	70	170	21.9	73.8	4.1*	4.1*								
120	30	30	79.6	154.3	29.9*	29.9*								
120	30	35	77.7	153.3	29.4*	29.4*								
120	30	40	75.7	152.1	28.8*	28.8*	78.6	151.9	26.2*	26.2*				
120	30	50	71.7	149.2	27.6*	27.6*	74.6	149.0	25.1*	25.1*	77.2	147.2	20.8*	20.8*
120	30	60	67.6	145.4	26.5*	26.5*	70.5	145.3	24.0*	24.0*	73.0	143.5	19.2*	19.2*
120	30	70	63.4	140.9	25.3*	25.3*	66.3	140.8	22.9*	22.9*	68.7	138.9	17.8*	17.8*
120	30	80	59.1	135.4	23.2	21.8	61.9	135.4	21.6*	21.6*	64.2	133.4	16.7*	16.7*
120	30	90	54.5	128.8	19.8	18.4	57.3	128.9	19.7*	18.8	59.5	126.7	15.8*	15.8*
120	30	100	49.7	121.0	17.0	15.8	52.4	121.1	17.3	16.1	54.5	118.8	15.0*	15.0*
120	30	110	44.5	111.7	14.7	13.6	47.1	111.7	15.0	13.9	49.0	109.1	14.3*	14.1
120	30	120	38.7	100.4	12.9	11.9	41.3	100.4	13.1	12.1				
120	30	130	32.1	86.3	11.3	10.4	34.6	86.1	11.5	10.6				
120	30	140	24.0	67.5	10.0	9.1								

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LS-238H Tubular Jib Capacities

Capacities shown in thousands of pound

Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Degrees Jib Pt. Height (feet)	0 Degrees ABC+ 20,000# Ctwt.	0 Degrees ABC+0 Ctwt.	15 Degrees Boom Angle (deg)	15 Degrees Jib Pt. Height (feet)	15 Degrees ABC+ 20,000# Ctwt.	15 Degrees ABC+0 Ctwt.	30 Degrees Boom Angle (deg)	30 Degrees Jib Pt. Height (feet)	30 Degrees ABC+ 20,000# Ctwt.	30 Degrees ABC+0 Ctwt.
120	40	35	78.4	163.3	26.3*	26.3*								
120	40	40	76.6	162.2	25.8*	25.8*								
120	40	50	72.9	159.4	24.9*	24.9*	76.5	159.1	22.2*	22.2*	79.8	156.7	17.3*	17.3*
120	40	60	69.1	155.9	23.8*	23.8*	72.7	155.7	20.5*	20.5*	75.9	153.3	16.0*	16.0*
120	40	70	65.2	151.6	22.5*	22.5*	68.8	151.5	18.8*	18.8*	71.9	149.1	14.9*	14.9*
120	40	80	61.2	146.4	20.7*	20.7*	64.7	146.4	17.0*	17.0*	67.8	143.9	13.7*	13.7*
120	40	90	57.0	140.4	18.9*	18.6	60.5	140.4	15.6*	15.6*	63.4	137.8	12.3*	12.3*
120	40	100	52.7	133.3	17.0*	15.9	56.1	133.4	14.2*	14.2*	58.9	130.6	11.6*	11.6*
120	40	110	48.0	124.9	14.9	13.8	51.4	125.0	12.7*	12.7*	54.0	122.0	11.0*	11.0*
120	40	120	43.0	115.0	13.0	12.0	46.3	115.1	11.7*	11.7*	48.7	111.7	10.4*	10.4*
120	40	130	37.4	103.1	11.5	10.6	40.7	103.1	11.0*	10.8				
120	40	140	31.1	88.3	10.2	9.3	34.2	88.1	10.3*	9.5				
120	40	150	23.2	68.7	9.0	8.2								
120	50	35	79.1	173.5	23.8*	23.8*								
120	50	40	77.4	172.4	23.4*	23.4*								
120	50	50	73.9	169.8	22.4*	22.4*	78.2	169.4	20.2*	20.2*				
120	50	60	70.4	166.5	21.5*	21.5*	74.6	166.2	18.3*	18.3*	78.5	163.5	13.1*	13.1*
120	50	70	66.8	162.5	20.5*	20.5*	71.0	162.3	16.3*	16.3*	74.8	159.6	11.7*	11.7*
120	50	80	63.0	157.7	18.5*	18.5*	67.2	157.7	14.2*	14.2*	70.9	154.8	10.8*	10.8*
120	50	90	59.2	152.1	16.4*	16.4*	63.4	152.2	12.2*	12.2*	66.9	149.2	9.8*	9.8*
120	50	100	55.2	145.5	14.2*	14.2*	59.3	145.7	11.2*	11.2*	62.7	142.6	8.7*	8.7*
120	50	110	51.0	137.9	12.1*	12.1*	55.0	138.2	10.1*	10.1*	58.3	134.9	8.1*	8.1*
120	50	120	46.5	129.1	11.0*	11.0*	50.5	129.3	9.0*	9.0*	53.6	125.7	7.6*	7.6*
120	50	130	41.6	118.6	9.8*	9.8*	45.6	118.9	8.2*	8.2*	48.4	114.8	7.1*	7.1*
120	50	140	36.3	106.2	8.5*	8.5*	40.1	106.3	7.6*	7.6*				
120	50	150	30.1	90.8	7.8*	7.8*								
120	50	160	22.5	70.5	7.0*	7.0*								
120	60	35	79.7	183.8	21.6*	21.6*								
120	60	40	78.1	182.8	21.1*	21.1*								
120	60	50	74.8	180.3	20.3*	20.3*	79.7	180.0	18.4*	18.4*				
120	60	60	71.5	177.2	19.4*	19.4*	76.4	177.0	16.9*	16.9*				
120	60	70	68.1	173.5	18.5*	18.5*	72.9	173.4	14.8*	14.8*	77.3	170.5	9.4*	9.4*
120	60	80	64.7	169.0	17.1*	17.1*	69.4	169.1	12.7*	12.7*	73.7	166.1	8.4*	8.4*
120	60	90	61.1	163.8	14.9*	14.9*	65.8	164.1	10.5*	10.5*	70.0	160.9	7.6*	7.6*
120	60	100	57.4	157.8	12.7*	12.7*	62.1	158.1	8.7*	8.7*	66.1	154.9	6.9*	6.9*
120	60	110	53.5	150.9	10.4*	10.4*	58.2	151.3	8.0*	8.0*	62.1	147.8	6.1*	6.1*
120	60	120	49.4	142.8	8.6*	8.6*	54.0	143.3	7.1*	7.1*	57.8	139.6	5.7*	5.7*
120	60	130	45.1	133.5	7.7*	7.7*	49.7	134.0	6.2*	6.2*	53.2	129.9	5.4*	5.4*
120	60	140	40.4	122.7	6.8*	6.8*	44.9	123.1	5.7*	5.7*	48.2	118.4	5.1*	5.1*
120	60	150	35.2	109.7	5.9*	5.9*	39.6	110.0	5.4*	5.4*				
120	60	160	29.3	93.8	5.5*	5.5*	33.4	93.8	5.0*	5.0*				
120	60	170	21.9	72.8	5.0*	5.0*								
120	70	40	78.8	193.2	18.6*	18.6*								
120	70	50	75.7	190.9	17.8*	17.8*								
120	70	60	72.5	188.1	16.9*	16.9*	77.9	188.0	15.1*	15.1*				
120	70	70	69.3	184.6	16.1*	16.1*	74.7	184.7	13.8*	13.8*	79.6	181.6	9.6*	9.6*
120	70	80	66.1	180.5	15.2*	15.2*	71.4	180.8	12.3*	12.3*	76.2	177.6	8.3*	8.3*

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Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Degrees Jib Pt. Height (feet)	0 Degrees ABC+ 20,000# Ctwt.	0 Degrees ABC+0 Ctwt.	15 Degrees Boom Angle (deg)	15 Degrees Jib Pt. Height (feet)	15 Degrees ABC+ 20,000# Ctwt.	15 Degrees ABC+0 Ctwt.	30 Degrees Boom Angle (deg)	30 Degrees Jib Pt. Height (feet)	30 Degrees ABC+ 20,000# Ctwt.	30 Degrees ABC+0 Ctwt.
120	70	90	62.7	175.7	13.8*	13.8*	68.0	176.1	10.7*	10.7*	72.7	172.9	7.4*	7.4*
120	70	100	59.3	170.2	12.2*	12.2*	64.5	170.7	9.1*	9.1*	69.1	167.3	6.7*	6.7*
120	70	110	55.7	163.8	10.6*	10.6*	60.9	164.4	7.7*	7.7*	65.4	160.9	5.9*	5.9*
120	70	120	52.0	156.5	8.8*	8.8*	57.1	157.1	6.9*	6.9*	61.5	153.4	5.1*	5.1*
120	70	130	48.0	148.1	7.5*	7.5*	53.1	148.8	6.1*	6.1*	57.3	144.8	4.7*	4.7*
120	70	140	43.8	138.4	6.7*	6.7*	48.9	139.1	5.3*	5.3*	52.8	134.6	4.4*	4.4*
120	70	150	39.3	127.1	5.8*	5.8*	44.2	127.8	4.8*	4.8*	47.9	122.6	4.1*	4.1*
120	70	160	34.3	113.7	4.9*	4.9*	39.1	114.2	4.4*	4.4*				
120	70	170	28.5	97.3	4.5*	4.5*	33.1	97.5	4.0*	4.0*				
120	70	180	21.3	75.7	4.0*	4.0*								
130	30	35	78.4	163.5	29.6*	29.6*								
130	30	40	76.6	162.4	29.1*	29.1*	79.3	162.1	26.4*	26.4*				
130	30	50	72.9	159.7	28.0*	28.0*	75.6	159.5	25.4*	25.4*	78.0	157.6	21.1*	21.1*
130	30	60	69.1	156.2	26.9*	26.9*	71.8	156.1	24.3*	24.3*	74.1	154.2	19.5*	19.5*
130	30	70	65.2	152.0	25.8*	25.8*	67.9	151.9	23.3*	23.3*	70.2	150.0	18.2*	18.2*
130	30	80	61.2	146.9	22.9	21.6	63.8	146.9	22.2*	22.0	66.0	144.9	17.1*	17.1*
130	30	90	57.0	140.9	19.5	18.2	59.6	140.9	19.9	18.6	61.7	138.9	16.2*	16.2*
130	30	100	52.7	133.8	16.7	15.5	55.2	133.9	17.1	15.9	57.2	131.7	15.4*	15.4*
130	30	110	48.0	125.5	14.5	13.4	50.5	125.6	14.7	13.7	52.4	123.2	14.7*	13.9
130	30	120	43.0	115.7	12.6	11.6	45.5	115.7	12.8	11.9	47.2	113.0	13.0	12.0
130	30	130	37.4	103.8	11.0	10.1	39.8	103.8	11.2	10.3				
130	30	140	31.1	89.1	9.7	8.9	33.4	88.9	9.9	9.0				
130	30	150	23.2	69.6	8.6	7.8								
130	40	35	79.1	173.6	26.5*	26.5*								
130	40	40	77.4	172.5	26.1*	26.1*								
130	40	50	73.9	169.9	25.1*	25.1*	77.3	169.5	22.6*	22.6*				
130	40	60	70.4	166.6	24.2*	24.2*	73.8	166.3	21.0*	21.0*	76.8	163.9	16.2*	16.2*
130	40	70	66.8	162.6	23.2*	23.2*	70.1	162.4	19.4*	19.4*	73.1	159.9	15.1*	15.1*
130	40	80	63.0	157.8	21.6*	21.6*	66.4	157.7	17.7*	17.7*	69.2	155.2	14.1*	14.1*
130	40	90	59.2	152.2	19.7	18.3	62.5	152.2	16.2*	16.2*	65.3	149.6	12.9*	12.9*
130	40	100	55.2	145.7	16.9	15.7	58.5	145.7	14.9*	14.9*	61.1	143.0	11.8*	11.8*
130	40	110	51.0	138.1	14.6	13.5	54.2	138.2	13.6*	13.6*	56.7	135.2	11.3*	11.3*
130	40	120	46.5	129.2	12.8	11.8	49.7	129.3	12.2*	12.1	52.0	126.1	10.8*	10.8*
130	40	130	41.6	118.8	11.2	10.3	44.8	118.9	11.5*	10.6				
130	40	140	36.3	106.4	9.9	9.1	39.3	106.4	10.1	9.3				
130	40	150	30.1	91.0	8.7	8.0								
130	40	160	22.5	70.7	7.8	7.0								
130	50	35	79.7	183.7	24.0*	24.0*								
130	50	40	78.1	182.7	23.6*	23.6*								
130	50	50	74.8	180.2	22.7*	22.7*	78.9	179.8	20.6*	20.6*				
130	50	60	71.5	177.1	21.8*	21.8*	75.5	176.8	18.7*	18.7*	79.2	174.0	13.5*	13.5*
130	50	70	68.1	173.3	20.9*	20.9*	72.1	173.1	16.9*	16.9*	75.7	170.3	12.0*	12.0*
130	50	80	64.7	168.9	19.4*	19.4*	68.6	168.8	15.0*	15.0*	72.1	165.9	11.1*	11.1*
130	50	90	61.1	163.6	17.4*	17.4*	65.0	163.7	13.0*	13.0*	68.4	160.7	10.1*	10.1*
130	50	100	57.4	157.6	15.4*	15.4*	61.3	157.7	11.7*	11.7*	64.5	154.6	9.2*	9.2*
130	50	110	53.5	150.6	13.3*	13.3*	57.4	150.8	10.7*	10.7*	60.5	147.5	8.4*	8.4*
130	50	120	49.4	142.6	11.7*	11.7*	53.3	142.8	9.7*	9.7*	56.3	139.3	7.9*	7.9*

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LS-238H Tubular Jib Capacities

Capacities shown in thousands of pounds

Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Degrees Jib Pt. Height (feet)	0 Degrees ABC+ 20,000# Ctwt.	0 Degrees ABC+0 Ctwt.	15 Degrees Boom Angle (deg)	15 Degrees Jib Pt. Height (feet)	15 Degrees ABC+ 20,000# Ctwt.	15 Degrees ABC+0 Ctwt.	30 Degrees Boom Angle (deg)	30 Degrees Jib Pt. Height (feet)	30 Degrees ABC+ 20,000# Ctwt.	30 Degrees ABC+0 Ctwt.
130	50	130	45.1	133.3	10.7*	10.4	48.9	133.5	8.6*	8.6*	51.7	129.6	7.4*	7.4*
130	50	140	40.4	122.4	9.5*	9.2	44.1	122.5	8.0*	8.0*				
130	50	150	35.2	109.4	8.4*	8.1	38.8	109.5	7.5*	7.5*				
130	50	160	29.3	93.4	7.7*	7.2								
130	50	170	21.9	72.4	7.0*	6.3								
130	60	40	78.8	193.0	21.3*	21.3*								
130	60	50	75.7	190.7	20.5*	20.5*								
130	60	60	72.5	187.7	19.7*	19.7*	77.1	187.5	17.3*	17.3*				
130	60	70	69.3	184.2	18.8*	18.8*	73.9	184.1	15.4*	15.4*	78.0	181.0	9.9*	9.9*
130	60	80	66.1	180.1	17.4*	17.4*	70.6	180.1	13.4*	13.4*	74.7	177.0	8.6*	8.6*
130	60	90	62.7	175.2	15.9*	15.9*	67.2	175.3	11.4*	11.4*	71.2	172.2	7.9*	7.9*
130	60	100	59.3	169.6	13.8*	13.8*	63.8	169.8	9.3*	9.3*	67.6	166.5	7.2*	7.2*
130	60	110	55.7	163.2	11.7*	11.7*	60.1	163.5	8.3*	8.3*	63.9	160.0	6.4*	6.4*
130	60	120	52.0	155.8	9.5*	9.5*	56.4	156.2	7.6*	7.6*	60.0	152.5	5.8*	5.8*
130	60	130	48.0	147.4	8.3*	8.3*	52.4	147.8	6.8*	6.8*	55.8	143.8	5.6*	5.6*
130	60	140	43.8	137.6	7.5*	7.5*	48.1	138.0	5.9*	5.9*	51.4	133.7	5.3*	5.3*
130	60	150	39.3	126.3	6.6*	6.6*	43.5	126.6	5.6*	5.6*				
130	60	160	34.3	112.8	5.8*	5.8*	38.3	113.1	5.3*	5.3*				
130	60	170	28.5	96.4	5.4*	5.4*								
130	60	180	21.3	74.7	5.0*	5.0*								
130	70	40	79.3	203.4	18.7*	18.7*								
130	70	50	76.4	201.2	18.0*	18.0*								
130	70	60	73.4	198.5	17.2*	17.2*	78.5	198.4	15.3*	15.3*				
130	70	70	70.4	195.3	16.4*	16.4*	75.5	195.3	14.2*	14.2*				
130	70	80	67.3	191.4	15.5*	15.5*	72.4	191.6	12.7*	12.7*	77.0	188.3	8.7*	8.7*
130	70	90	64.2	186.9	14.1*	14.1*	69.2	187.2	11.3*	11.3*	73.7	183.9	7.6*	7.6*
130	70	100	61.0	181.7	12.9*	12.9*	66.0	182.1	9.7*	9.7*	70.4	178.7	6.9*	6.9*
130	70	110	57.6	175.7	11.5*	11.5*	62.6	176.3	8.2*	8.2*	66.9	172.7	6.2*	6.2*
130	70	120	54.2	169.0	9.8*	9.8*	59.1	169.6	7.3*	7.3*	63.3	165.8	5.5*	5.5*
130	70	130	50.6	161.3	8.2*	8.2*	55.4	161.9	6.6*	6.6*	59.4	157.9	4.9*	4.9*
130	70	140	46.7	152.4	7.3*	7.3*	51.6	153.1	5.8*	5.8*	55.4	148.8	4.6*	4.6*
130	70	150	42.7	142.3	6.5*	6.5*	47.4	143.0	5.0*	5.0*	51.1	138.2	4.3*	4.3*
130	70	160	38.3	130.6	5.6*	5.6*	42.9	131.2	4.7*	4.7*	46.3	125.7	4.0*	4.0*
130	70	170	33.4	116.7	4.8*	4.8*	37.9	117.2	4.3*	4.3*				
130	70	180	27.7	99.8	4.5*	4.5*								
130	70	190	20.7	77.5	4.0*	4.0*								
140	30	35	79.1	173.7	29.8*	29.8*								
140	30	40	77.4	172.7	29.3*	29.3*	80.0	172.4	26.6*	26.6*				
140	30	50	73.9	170.1	28.3*	28.3*	76.5	169.9	25.6*	25.6*	78.8	168.0	21.4*	21.4*
140	30	60	70.4	166.9	27.3*	27.3*	72.9	166.7	24.6*	24.6*	75.1	164.8	19.9*	19.9*
140	30	70	66.8	162.9	26.2*	25.6	69.3	162.8	23.7*	23.7*	71.4	160.9	18.6*	18.6*
140	30	80	63.0	158.2	22.7	21.3	65.5	158.2	22.7*	21.8	67.6	156.2	17.5*	17.5*
140	30	90	59.2	152.7	19.2	17.9	61.7	152.7	19.7	18.4	63.7	150.6	16.5*	16.5*
140	30	100	55.2	146.2	16.4	15.3	57.6	146.2	16.8	15.6	59.5	144.1	15.7*	15.7*
140	30	110	51.0	138.7	14.2	13.1	53.4	138.7	14.5	13.4	55.2	136.4	14.8	13.7
140	30	120	46.5	129.9	12.3	11.4	48.8	129.9	12.6	11.6	50.5	127.4	12.8	11.8
140	30	130	41.6	119.5	10.8	9.9	43.9	119.5	11.0	10.1				

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Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees — Boom Angle (deg)	0 Degrees — Jib Pt. Height (feet)	0 Degrees — ABC+ 20,000# Ctwt.	0 Degrees — ABC+0 Ctwt.	15 Degrees — Boom Angle (deg)	15 Degrees — Jib Pt. Height (feet)	15 Degrees — ABC+ 20,000# Ctwt.	15 Degrees — ABC+0 Ctwt.	30 Degrees — Boom Angle (deg)	30 Degrees — Jib Pt. Height (feet)	30 Degrees — ABC+ 20,000# Ctwt.	30 Degrees — ABC+0 Ctwt.
140	30	140	36.3	107.1	9.5	8.6	38.5	107.1	9.6	8.8				
140	30	150	30.1	91.8	8.3	7.5								
140	30	160	22.5	71.6	7.3	6.6								
140	40	35	79.7	183.7	26.7*	26.7*								
140	40	40	78.1	182.7	26.2*	26.2*								
140	40	50	74.8	180.3	25.4*	25.4*	78.1	179.9	22.9*	22.9*				
140	40	60	71.5	177.2	24.5*	24.5*	74.7	176.8	21.4*	21.4*	77.6	174.4	16.5*	16.5*
140	40	70	68.1	173.4	23.6*	23.6*	71.3	173.2	19.9*	19.9*	74.1	170.7	15.4*	15.4*
140	40	80	64.7	169.0	22.3*	21.5	67.8	168.8	18.4*	18.4*	70.5	166.3	14.5*	14.5*
140	40	90	61.1	163.8	19.4	18.1	64.2	163.7	16.8*	16.8*	66.8	161.1	13.4*	13.4*
140	40	100	57.4	157.7	16.6	15.4	60.5	157.7	15.6*	15.6*	63.0	155.0	12.2*	12.2*
140	40	110	53.5	150.8	14.4	13.3	56.6	150.8	14.3*	13.7	59.0	148.0	11.6*	11.6*
140	40	120	49.4	142.7	12.5	11.5	52.5	142.8	12.9	11.9	54.8	139.7	11.1*	11.1*
140	40	130	45.1	133.4	10.9	10.0	48.1	133.5	11.3	10.3	50.3	130.1	10.6*	10.6*
140	40	140	40.4	122.6	9.6	8.8	43.3	122.6	9.9	9.0				
140	40	150	35.2	109.6	8.5	7.7	38.1	109.5	8.7	7.9				
140	40	160	29.3	93.7	7.5	6.8								
140	50	40	78.8	192.9	23.7*	23.7*								
140	50	50	75.7	190.5	22.9*	22.9*	79.5	190.1	20.7*	20.7*				
140	50	60	72.5	187.6	22.1*	22.1*	76.3	187.3	19.2*	19.2*	79.8	184.4	13.8*	13.8*
140	50	70	69.3	184.1	21.2*	21.2*	73.1	183.8	17.4*	17.4*	76.5	181.0	12.2*	12.2*
140	50	80	66.1	179.9	20.0*	20.0*	69.8	179.7	15.6*	15.6*	73.2	176.8	11.3*	11.3*
140	50	90	62.7	175.0	18.3*	18.2	66.5	175.0	13.8*	13.8*	69.7	172.0	10.5*	10.5*
140	50	100	59.3	169.4	16.4*	15.5	63.0	169.4	12.1*	12.1*	66.1	166.3	9.6*	9.6*
140	50	110	55.7	162.9	14.5*	13.4	59.4	163.0	11.2*	11.2*	62.4	159.8	8.6*	8.6*
140	50	120	52.0	155.6	12.4*	11.6	55.6	155.7	10.3*	10.3*	58.5	152.3	8.2*	8.2*
140	50	130	48.0	147.1	11.1	10.2	51.6	147.3	9.3*	9.3*	54.4	143.6	7.7*	7.7*
140	50	140	43.8	137.3	9.7	8.9	47.4	137.5	8.4*	8.4*	50.0	133.4	7.2*	7.2*
140	50	150	39.3	126.0	8.6	7.8	42.8	126.1	7.9*	7.9*				
140	50	160	34.3	112.5	7.6	6.9	37.6	112.5	7.4*	7.1				
140	50	170	28.5	96.0	6.7	6.1								
140	60	40	79.3	203.2	21.5*	21.5*								
140	60	50	76.4	201.0	20.7*	20.7*								
140	60	60	73.4	198.2	19.9*	19.9*	77.8	197.9	17.7*	17.7*				
140	60	70	70.4	194.9	19.1*	19.1*	74.8	194.7	15.9*	15.9*	78.7	191.6	10.3*	10.3*
140	60	80	67.3	191.0	17.7*	17.7*	71.7	190.9	14.0*	14.0*	75.5	187.7	8.8*	8.8*
140	60	90	64.2	186.4	16.1*	16.1*	68.5	186.5	12.1*	12.1*	72.3	183.2	8.1*	8.1*
140	60	100	61.0	181.2	14.8*	14.8*	65.2	181.3	10.2*	10.2*	68.9	178.0	7.4*	7.4*
140	60	110	57.6	175.2	12.9*	12.9*	61.9	175.4	8.7*	8.7*	65.4	171.9	6.7*	6.7*
140	60	120	54.2	168.3	10.8*	10.8*	58.4	168.7	8.0*	8.0*	61.8	165.0	6.0*	6.0*
140	60	130	50.6	160.6	8.8*	8.8*	54.7	160.9	7.3*	7.3*	58.0	157.1	5.7*	5.7*
140	60	140	46.7	151.7	8.1*	8.1*	50.8	152.1	6.5*	6.5*	54.0	147.9	5.5*	5.5*
140	60	150	42.7	141.6	7.3*	7.3*	46.7	141.9	5.9*	5.9*	49.7	137.3	5.2*	5.2*
140	60	160	38.3	129.8	6.4*	6.4*	42.2	130.1	5.6*	5.6*				
140	60	170	33.4	115.9	5.8*	5.8*	37.2	116.0	5.2*	5.2*				
140	60	180	27.7	98.9	5.4*	5.4*								

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LS-238H Tubular Jib Capacities

Capacities shown in thousands of pounds

Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Degrees Jib Pt. Height (feet)	0 Degrees ABC+ 20,000# Ctwt.	0 Degrees ABC+0 Ctwt.	15 Degrees Boom Angle (deg)	15 Degrees Jib Pt. Height (feet)	15 Degrees ABC+ 20,000# Ctwt.	15 Degrees ABC+0 Ctwt.	30 Degrees Boom Angle (deg)	30 Degrees Jib Pt. Height (feet)	30 Degrees ABC+ 20,000# Ctwt.	30 Degrees ABC+0 Ctwt.
140	70	40	79.8	213.6	18.9*	18.9*								
140	70	50	77.1	211.5	18.1*	18.1*								
140	70	60	74.2	208.9	17.4*	17.4*	79.1	208.8	15.5*	15.5*				
140	70	70	71.4	205.8	16.6*	16.6*	76.2	205.8	14.5*	14.5*				
140	70	80	68.5	202.2	15.8*	15.8*	73.3	202.3	13.1*	13.1*	77.7	199.0	9.0*	9.0*
140	70	90	65.5	197.9	14.3*	14.3*	70.3	198.1	11.8*	11.8*	74.6	194.8	7.8*	7.8*
140	70	100	62.5	193.0	13.1*	13.1*	67.2	193.4	10.3*	10.3*	71.4	189.9	7.1*	7.1*
140	70	110	59.4	187.5	12.0*	12.0*	64.1	187.9	8.9*	8.9*	68.2	184.3	6.5*	6.5*
140	70	120	56.1	181.2	10.8*	10.8*	60.8	181.7	7.7*	7.7*	64.8	177.9	5.8*	5.8*
140	70	130	52.8	174.0	9.2*	9.2*	57.4	174.6	7.0*	7.0*	61.3	170.6	5.1*	5.1*
140	70	140	49.3	165.9	7.8*	7.8*	53.9	166.5	6.3*	6.3*	57.6	162.3	4.8*	4.8*
140	70	150	45.6	156.7	7.0*	7.0*	50.1	157.4	5.5*	5.5*	53.7	152.7	4.5*	4.5*
140	70	160	41.6	146.2	6.2*	6.2*	46.1	146.8	4.9*	4.9*	49.4	141.7	4.2*	4.2*
140	70	170	37.3	134.0	5.4*	5.4*	41.7	134.6	4.6*	4.6*				
140	70	180	32.5	119.7	4.8*	4.8*	36.8	120.0	4.3*	4.3*				
140	70	190	27.0	102.2	4.4*	4.4*								
140	70	200	20.2	79.4	4.0*	4.0*								
150	30	35	79.7	183.9	29.9*	29.9*								
150	30	40	78.1	182.9	29.5*	29.5*								
150	30	50	74.8	180.5	28.5*	28.5*	77.3	180.2	25.8*	25.8*	79.4	178.4	21.7*	21.7*
150	30	60	71.5	177.5	27.6*	27.6*	73.9	177.3	24.9*	24.9*	76.0	175.4	20.2*	20.2*
150	30	70	68.1	173.8	26.6*	25.3	70.5	173.6	24.0*	24.0*	72.6	171.7	18.9*	18.9*
150	30	80	64.7	169.4	22.4	21.0	67.0	169.3	22.9	21.6	69.0	167.3	17.8*	17.8*
150	30	90	61.1	164.2	19.0	17.6	63.4	164.2	19.5	18.1	65.3	162.2	16.9*	16.9*
150	30	100	57.4	158.2	16.2	15.0	59.7	158.3	16.6	15.4	61.5	156.1	16.1*	15.7
150	30	110	53.5	151.3	13.9	12.8	55.8	151.4	14.3	13.2	57.6	149.1	14.6	13.5
150	30	120	49.4	143.4	12.1	11.1	51.7	143.4	12.4	11.4	53.4	141.0	12.6	11.6
150	30	130	45.1	134.1	10.5	9.6	47.3	134.1	10.8	9.9	48.9	131.5	10.9	10.0
150	30	140	40.4	123.3	9.2	8.4	42.6	123.3	9.4	8.6				
150	30	150	35.2	110.3	8.1	7.3	37.3	110.2	8.2	7.4				
150	30	160	29.3	94.5	7.1	6.3								
150	30	170	21.9	73.5	6.2	5.5								
150	40	40	78.8	193.0	26.4*	26.4*								
150	40	50	75.7	190.6	25.6*	25.6*	78.7	190.2	23.2*	23.2*				
150	40	60	72.5	187.7	24.8*	24.8*	75.6	187.3	21.8*	21.8*	78.3	184.9	16.7*	16.7*
150	40	70	69.3	184.2	23.9*	23.9*	72.4	183.9	20.4*	20.4*	75.0	181.4	15.6*	15.6*
150	40	80	66.1	180.0	22.5	21.2	69.1	179.8	18.9*	18.9*	71.7	177.3	14.7*	14.7*
150	40	90	62.7	175.1	19.1	17.8	65.7	175.0	17.4*	17.4*	68.2	172.4	13.8*	13.8*
150	40	100	59.3	169.5	16.3	15.1	62.2	169.5	16.1*	15.7	64.7	166.8	12.7*	12.7*
150	40	110	55.7	163.1	14.1	13.0	58.6	163.1	14.5	13.5	61.0	160.3	11.8*	11.8*
150	40	120	52.0	155.7	12.2	11.2	54.9	155.7	12.6	11.6	57.1	152.8	11.4*	11.4*
150	40	130	48.0	147.3	10.7	9.8	50.9	147.3	11.0	10.1	53.0	144.1	10.9*	10.4
150	40	140	43.8	137.5	9.3	8.5	46.6	137.5	9.6	8.8	48.6	134.0	9.9	9.0
150	40	150	39.3	126.2	8.2	7.4	42.0	126.2	8.5	7.7				
150	40	160	34.3	112.7	7.2	6.5	36.9	112.6	7.4	6.7				
150	40	170	28.5	96.2	6.3	5.7								

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Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees — Boom Angle (deg)	0 Degrees — Jib Pt. Height (feet)	0 Degrees — ABC+ 20,000# Ctwt.	0 Degrees — ABC+0 Ctwt.	15 Degrees — Boom Angle (deg)	15 Degrees — Jib Pt. Height (feet)	15 Degrees — ABC+ 20,000# Ctwt.	15 Degrees — ABC+0 Ctwt.	30 Degrees — Boom Angle (deg)	30 Degrees — Jib Pt. Height (feet)	30 Degrees — ABC+ 20,000# Ctwt.	30 Degrees — ABC+0 Ctwt.
150	50	40	79.3	203.1	23.9*	23.9*								
150	50	50	76.4	200.9	23.1*	23.1*								
150	50	60	73.4	198.1	22.3*	22.3*	77.1	197.7	19.6*	19.6*				
150	50	70	70.4	194.8	21.5*	21.5*	74.0	194.5	17.9*	17.9*	77.2	191.5	12.4*	12.4*
150	50	80	67.3	190.8	20.2*	20.2*	70.9	190.6	16.2*	16.2*	74.1	187.6	11.6*	11.6*
150	50	90	64.2	186.2	18.7*	17.9	67.8	186.1	14.5*	14.5*	70.8	183.1	10.7*	10.7*
150	50	100	61.0	181.0	16.5	15.3	64.5	180.9	12.7*	12.7*	67.5	177.8	9.9*	9.9*
150	50	110	57.6	175.0	14.2	13.1	61.1	175.0	11.7*	11.7*	64.1	171.8	9.0*	9.0*
150	50	120	54.2	168.1	12.3	11.4	57.6	168.2	10.8*	10.8*	60.5	164.8	8.4*	8.4*
150	50	130	50.6	160.3	10.8	9.9	54.0	160.5	9.9*	9.9*	56.7	156.9	8.0*	8.0*
150	50	140	46.7	151.4	9.5	8.6	50.1	151.6	8.9*	8.9*	52.7	147.7	7.5*	7.5*
150	50	150	42.7	141.3	8.3	7.6	46.0	141.4	8.2*	7.9	48.4	137.1	7.1*	7.1*
150	50	160	38.3	129.5	7.3	6.6	41.5	129.5	7.6	6.9				
150	50	170	33.4	115.5	6.5	5.8	36.5	115.4	6.7	6.0				
150	50	180	27.7	98.5	5.7	5.1								
150	60	40	79.8	213.4	21.6*	21.6*								
150	60	50	77.1	211.3	20.9*	20.9*								
150	60	60	74.2	208.6	20.1*	20.1*	78.4	208.3	18.0*	18.0*				
150	60	70	71.4	205.5	19.3*	19.3*	75.5	205.3	16.4*	16.4*	79.3	202.0	10.6*	10.6*
150	60	80	68.5	201.8	17.8*	17.8*	72.6	201.7	14.6*	14.6*	76.3	198.4	8.9*	8.9*
150	60	90	65.5	197.5	16.3*	16.3*	69.6	197.5	12.8*	12.8*	73.2	194.2	8.3*	8.3*
150	60	100	62.5	192.6	15.0*	15.0*	66.5	192.6	11.0*	11.0*	70.1	189.3	7.7*	7.7*
150	60	110	59.4	186.9	13.8*	13.2	63.4	187.1	9.1*	9.1*	66.8	183.6	7.0*	7.0*
150	60	120	56.1	180.6	11.9*	11.5	60.1	180.8	8.3*	8.3*	63.5	177.2	6.3*	6.3*
150	60	130	52.8	173.4	9.9*	9.9*	56.7	173.7	7.7*	7.7*	60.0	169.8	5.8*	5.8*
150	60	140	49.3	165.2	8.6*	8.6*	53.2	165.5	7.0*	7.0*	56.3	161.5	5.6*	5.6*
150	60	150	45.6	156.0	7.8*	7.7	49.4	156.3	6.2*	6.2*	52.4	151.9	5.3*	5.3*
150	60	160	41.6	145.4	7.0*	6.7	45.4	145.7	5.8*	5.8*	48.2	140.8	5.1*	5.1*
150	60	170	37.3	133.2	6.2*	5.9	41.0	133.4	5.5*	5.5*				
150	60	180	32.5	118.8	5.7*	5.2	36.2	118.8	5.2*	5.2*				
150	60	190	27.0	101.3	5.1	4.5								
150	70	50	77.7	221.8	18.3*	18.3*								
150	70	60	75.0	219.3	17.6*	17.6*	79.6	219.1	15.6*	15.6*				
150	70	70	72.3	216.4	16.9*	16.9*	76.9	216.3	14.8*	14.8*				
150	70	80	69.5	212.9	16.0*	16.0*	74.1	212.9	13.5*	13.5*	78.3	209.5	9.2*	9.2*
150	70	90	66.7	208.9	14.5*	14.5*	71.3	209.0	12.2*	12.2*	75.4	205.6	7.9*	7.9*
150	70	100	63.8	204.3	13.3*	13.3*	68.4	204.5	10.9*	10.9*	72.4	201.0	7.3*	7.3*
150	70	110	60.9	199.0	12.1*	12.1*	65.4	199.4	9.5*	9.5*	69.3	195.7	6.7*	6.7*
150	70	120	57.9	193.1	11.2*	11.2*	62.3	193.5	8.0*	8.0*	66.2	189.8	6.1*	6.1*
150	70	130	54.7	186.4	10.1*	10.1*	59.2	186.9	7.4*	7.4*	62.9	183.0	5.4*	5.4*
150	70	140	51.5	178.9	8.6*	8.6*	55.9	179.5	6.7*	6.7*	59.5	175.3	4.9*	4.9*
150	70	150	48.1	170.4	7.5*	7.5*	52.4	171.0	6.0*	6.0*	55.9	166.6	4.6*	4.6*
150	70	160	44.5	160.8	6.8*	6.8*	48.8	161.4	5.3*	5.3*	52.1	156.6	4.4*	4.4*
150	70	170	40.6	149.9	6.0*	6.0*	44.9	150.5	4.8*	4.8*	48.0	145.0	4.1*	4.1*
150	70	180	36.4	137.4	5.2*	5.2*	40.6	137.8	4.5*	4.5*				
150	70	190	31.8	122.6	4.7*	4.6	35.8	122.8	4.2*	4.2*				
150	70	200	26.4	104.6	4.4*	4.0								

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LS-238H Tubular Jib Capacities

Capacities shown in thousands of pound

Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Degrees Jib Pt. Height (feet)	0 Degrees ABC+ 20,000# Ctwt.	0 Degrees ABC+0 Ctwt.	15 Degrees Boom Angle (deg)	15 Degrees Jib Pt. Height (feet)	15 Degrees ABC+ 20,000# Ctwt.	15 Degrees ABC+0 Ctwt.	30 Degrees Boom Angle (deg)	30 Degrees Jib Pt. Height (feet)	30 Degrees ABC+ 20,000# Ctwt.	30 Degrees ABC+0 Ctwt.
160	30	40	78.8	193.1	29.7*	29.7*								
160	30	50	75.7	190.9	28.8*	28.8*	77.9	190.6	26.0*	26.0*				
160	30	60	72.5	188.0	27.9*	27.9*	74.8	187.8	25.1*	25.1*	76.8	185.9	20.5*	20.5*
160	30	70	69.3	184.5	26.8	25.1	71.6	184.3	24.3*	24.3*	73.6	182.4	19.2*	19.2*
160	30	80	66.1	180.4	22.3	20.8	68.3	180.3	22.7	21.4	70.2	178.3	18.1*	18.1*
160	30	90	62.7	175.6	18.7	17.4	65.0	175.5	19.2	17.9	66.8	173.5	17.2*	17.2*
160	30	100	59.3	170.0	15.9	14.7	61.5	170.0	16.4	15.2	63.3	167.9	16.4*	15.5
160	30	110	55.7	163.6	13.7	12.6	57.9	163.6	14.0	13.0	59.6	161.4	14.3	13.3
160	30	120	52.0	156.3	11.8	10.8	54.1	156.3	12.1	11.1	55.8	154.0	12.4	11.4
160	30	130	48.0	147.9	10.2	9.3	50.2	147.9	10.5	9.6	51.7	145.4	10.7	9.8
160	30	140	43.8	138.2	8.9	8.1	45.9	138.2	9.2	8.3	47.3	135.4	9.3	8.5
160	30	150	39.3	126.9	7.8	7.0	41.3	126.8	8.0	7.2				
160	30	160	34.3	113.5	6.8	6.1	36.2	113.3	6.9	6.2				
160	30	170	28.5	97.0	5.9	5.2								
160	30	180	21.3	75.4	5.2	4.5								
160	40	40	79.3	203.1	26.6*	26.6*								
160	40	50	76.4	200.9	25.8*	25.8*	79.3	200.5	23.3*	23.3*				
160	40	60	73.4	198.2	25.0*	25.0*	76.3	197.8	22.1*	22.1*	78.9	195.3	16.9*	16.9*
160	40	70	70.4	194.8	24.2*	24.2*	73.3	194.5	20.8*	20.8*	75.8	192.0	15.8*	15.8*
160	40	80	67.3	190.9	22.3	20.9	70.2	190.7	19.4*	19.4*	72.7	188.1	14.9*	14.9*
160	40	90	64.2	186.3	18.9	17.5	67.0	186.2	18.0*	18.0*	69.5	183.6	14.2*	14.2*
160	40	100	61.0	181.1	16.1	14.9	63.8	181.0	16.6*	15.4	66.1	178.3	13.2*	13.2*
160	40	110	57.6	175.1	13.8	12.7	60.4	175.0	14.3	13.2	62.7	172.3	12.1*	12.1*
160	40	120	54.2	168.3	11.9	11.0	56.9	168.3	12.4	11.4	59.1	165.3	11.6*	11.6*
160	40	130	50.6	160.5	10.4	9.5	53.3	160.5	10.8	9.9	55.4	157.4	11.1	10.2
160	40	140	46.7	151.6	9.1	8.2	49.4	151.7	9.4	8.6	51.4	148.3	9.6	8.8
160	40	150	42.7	141.5	7.9	7.2	45.3	141.5	8.2	7.4				
160	40	160	38.3	129.7	6.9	6.2	40.8	129.6	7.2	6.4				
160	40	170	33.4	115.7	6.1	5.4	35.9	115.6	6.3	5.6				
160	40	180	27.7	98.7	5.3	4.7								
160	50	40	79.8	213.3	24.0*	24.0*								
160	50	50	77.1	211.2	23.3*	23.3*								
160	50	60	74.2	208.5	22.5*	22.5*	77.7	208.1	19.9*	19.9*				
160	50	70	71.4	205.4	21.8*	21.8*	74.8	205.0	18.3*	18.3*	77.9	202.0	12.8*	12.8*
160	50	80	68.5	201.6	20.4*	20.4*	71.9	201.4	16.7*	16.7*	74.9	198.4	11.8*	11.8*
160	50	90	65.5	197.3	18.8*	17.7	68.9	197.1	15.1*	15.1*	71.9	194.1	11.0*	11.0*
160	50	100	62.5	192.4	16.2	15.0	65.8	192.3	13.4*	13.4*	68.7	189.2	10.2*	10.2*
160	50	110	59.4	186.7	13.9	12.8	62.7	186.7	12.1*	12.1*	65.5	183.5	9.4*	9.4*
160	50	120	56.1	180.3	12.1	11.1	59.4	180.4	11.2*	11.2*	62.2	177.0	8.5*	8.5*
160	50	130	52.8	173.1	10.5	9.6	56.1	173.2	10.4*	10.1	58.7	169.7	8.2*	8.2*
160	50	140	49.3	164.9	9.2	8.4	52.5	165.1	9.5*	8.8	55.0	161.3	7.8*	7.8*
160	50	150	45.6	155.7	8.0	7.3	48.8	155.8	8.4	7.6	51.1	151.8	7.4*	7.4*
160	50	160	41.6	145.1	7.1	6.3	44.7	145.2	7.4	6.6				
160	50	170	37.3	132.9	6.2	5.5	40.4	132.9	6.5	5.8				
160	50	180	32.5	118.5	5.4	4.8	35.5	118.3	5.6	5.0				
160	50	190	27.0	100.9	4.7	4.1								

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Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom											
			0 Degrees				15 Degrees				30 Degrees			
			Boom Angle (deg)	Jib Pt. Height (feet)	ABC+ 20,000# Ctwt.	ABC+0 Ctwt.	Boom Angle (deg)	Jib Pt. Height (feet)	ABC+ 20,000# Ctwt.	ABC+0 Ctwt.	Boom Angle (deg)	Jib Pt. Height (feet)	ABC+ 20,000# Ctwt.	ABC+0 Ctwt.
160	60	50	77.7	221.5	21.0*	21.0*								
160	60	60	75.0	219.0	20.3*	20.3*	78.9	218.6	18.2*	18.2*				
160	60	70	72.3	216.0	19.6*	19.6*	76.2	215.7	16.8*	16.8*	79.8	212.5	10.9*	10.9*
160	60	80	69.5	212.5	18.0*	18.0*	73.4	212.3	15.1*	15.1*	77.0	209.0	9.2*	9.2*
160	60	90	66.7	208.4	16.5*	16.5*	70.6	208.4	13.4*	13.4*	74.1	205.0	8.5*	8.5*
160	60	100	63.8	203.8	15.2*	15.1	67.7	203.8	11.7*	11.7*	71.1	200.4	7.9*	7.9*
160	60	110	60.9	198.5	14.0*	12.9	64.7	198.6	9.9*	9.9*	68.1	195.1	7.3*	7.3*
160	60	120	57.9	192.5	12.2*	11.2	61.7	192.7	8.7*	8.7*	64.9	189.1	6.6*	6.6*
160	60	130	54.7	185.8	10.6*	9.7	58.5	186.0	8.0*	8.0*	61.7	182.2	6.0*	6.0*
160	60	140	51.5	178.2	9.2*	8.4	55.2	178.5	7.4*	7.4*	58.2	174.5	5.7*	5.7*
160	60	150	48.1	169.7	8.1	7.4	51.8	170.0	6.7*	6.7*	54.7	165.7	5.5*	5.5*
160	60	160	44.5	160.1	7.2	6.4	48.1	160.4	5.9*	5.9*	50.9	155.7	5.2*	5.2*
160	60	170	40.6	149.1	6.3	5.6	44.2	149.4	5.7*	5.7*	46.8	144.2	5.0*	5.0*
160	60	180	36.4	136.5	5.5	4.9	40.0	136.7	5.4*	5.2				
160	60	190	31.8	121.7	4.8	4.2	35.2	121.6	5.1	4.5				
160	60	200	26.4	103.6	4.2	3.7								
160	70	50	78.2	232.0	18.4*	18.4*								
160	70	60	75.6	229.7	17.8*	17.8*								
160	70	70	73.1	226.8	17.1*	17.1*	77.5	226.7	15.0*	15.0*				
160	70	80	70.4	223.5	16.1*	16.1*	74.8	223.5	13.9*	13.9*	78.8	220.0	9.4*	9.4*
160	70	90	67.8	219.7	14.7*	14.7*	72.1	219.8	12.6*	12.6*	76.1	216.3	8.2*	8.2*
160	70	100	65.0	215.3	13.4*	13.4*	69.4	215.5	11.3*	11.3*	73.3	211.9	7.5*	7.5*
160	70	110	62.3	210.4	12.3*	12.3*	66.6	210.7	10.0*	10.0*	70.4	207.0	6.9*	6.9*
160	70	120	59.4	204.8	11.3*	11.3	63.7	205.2	8.7*	8.7*	67.4	201.4	6.3*	6.3*
160	70	130	56.5	198.5	10.4*	9.8	60.7	199.0	7.7*	7.7*	64.4	195.0	5.7*	5.7*
160	70	140	53.4	191.5	9.4*	8.5	57.7	192.0	7.1*	7.1*	61.2	187.9	5.1*	5.1*
160	70	150	50.3	183.6	8.0*	7.4	54.5	184.2	6.4*	6.4*	57.8	179.8	4.8*	4.8*
160	70	160	46.9	174.8	7.2	6.5	51.1	175.4	5.7*	5.7*	54.3	170.7	4.5*	4.5*
160	70	170	43.4	164.9	6.4	5.7	47.5	165.4	5.0*	5.0*	50.6	160.3	4.2*	4.2*
160	70	180	39.7	153.6	5.6	5.0	43.7	154.1	4.7*	4.7*	46.6	148.3	3.8*	3.8*
160	70	190	35.6	140.6	4.9	4.3	39.5	141.0	4.4*	4.4*				
160	70	200	31.0	125.4	4.3	3.7	34.9	125.5	4.1*	4.0				
160	70	210	25.8	106.9	3.8	3.2								
170	30	40	79.3	203.3	29.8*	29.8*								
170	30	50	76.4	201.2	29.0*	29.0*	78.6	200.9	26.2*	26.2*				
170	30	60	73.4	198.4	28.1*	28.1*	75.6	198.2	25.4*	25.4*	77.5	196.3	20.7*	20.7*
170	30	70	70.4	195.2	26.6	24.8	72.6	195.0	24.5*	24.5*	74.4	193.0	19.5*	19.5*
170	30	80	67.3	191.3	22.0	20.5	69.5	191.1	22.5	21.1	71.3	189.2	18.4*	18.4*
170	30	90	64.2	186.8	18.5	17.1	66.3	186.7	19.0	17.7	68.1	184.6	17.5*	17.5*
170	30	100	61.0	181.5	15.7	14.5	63.1	181.5	16.1	14.9	64.8	179.4	16.5	15.3
170	30	110	57.6	175.6	13.4	12.3	59.7	175.6	13.8	12.7	61.4	173.4	14.1	13.0
170	30	120	54.2	168.8	11.5	10.5	56.2	168.8	11.9	10.9	57.8	166.5	12.2	11.2
170	30	130	50.6	161.1	10.0	9.1	52.6	161.1	10.3	9.4	54.1	158.7	10.5	9.6
170	30	140	46.7	152.3	8.6	7.8	48.7	152.3	8.9	8.1	50.2	149.6	9.1	8.3
170	30	150	42.7	142.1	7.5	6.7	44.6	142.1	7.7	7.0				
170	30	160	38.3	130.4	6.5	5.8	40.2	130.3	6.7	6.0				
170	30	170	33.4	116.5	5.7	5.0	35.2	116.3	5.8	5.1				
170	30	180	27.7	99.5	4.9	4.2								

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LS-238H Tubular Jib Capacities

Capacities shown in thousands of pound

Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Degrees Jib Pt. Height (feet)	0 Degrees ABC+ 20,000# Ctwt.	0 Degrees ABC+0 Ctwt.	15 Degrees Boom Angle (deg)	15 Degrees Jib Pt. Height (feet)	15 Degrees ABC+ 20,000# Ctwt.	15 Degrees ABC+0 Ctwt.	30 Degrees Boom Angle (deg)	30 Degrees Jib Pt. Height (feet)	30 Degrees ABC+ 20,000# Ctwt.	30 Degrees ABC+0 Ctwt.
170	40	40	79.8	213.3	26.7*	26.7*								
170	40	50	77.1	211.2	26.0*	26.0*	79.8	210.7	23.5*	23.5*				
170	40	60	74.2	208.6	25.2*	25.2*	77.0	208.2	22.4*	22.4*	79.5	205.6	17.1*	17.1*
170	40	70	71.4	205.4	24.4*	24.4*	74.1	205.1	21.1*	21.1*	76.6	202.5	16.0*	16.0*
170	40	80	68.5	201.7	22.2	20.7	71.2	201.5	19.8*	19.8*	73.6	198.9	15.2*	15.2*
170	40	90	65.5	197.4	18.6	17.3	68.2	197.2	18.5*	18.0	70.5	194.6	14.4*	14.4*
170	40	100	62.5	192.5	15.8	14.6	65.2	192.3	16.4	15.2	67.4	189.6	13.6*	13.6*
170	40	110	59.4	186.9	13.5	12.5	62.0	186.8	14.1	13.0	64.2	184.0	12.6*	12.6*
170	40	120	56.1	180.5	11.7	10.7	58.8	180.4	12.1	11.2	60.9	177.5	11.8*	11.5
170	40	130	52.8	173.3	10.1	9.2	55.4	173.3	10.5	9.6	57.4	170.2	10.9	9.9
170	40	140	49.3	165.1	8.8	8.0	51.8	165.1	9.1	8.3	53.8	161.9	9.4	8.6
170	40	150	45.6	155.9	7.7	6.9	48.1	155.9	8.0	7.2	49.9	152.4	8.2	7.4
170	40	160	41.6	145.3	6.7	5.9	44.1	145.3	6.9	6.2				
170	40	170	37.3	133.1	5.8	5.1	39.7	133.0	6.0	5.3				
170	40	180	32.5	118.7	5.0	4.4	34.9	118.4	5.2	4.6				
170	40	190	27.0	101.2	4.3	3.7								
170	50	50	77.7	221.4	23.4*	23.4*								
170	50	60	75.0	218.9	22.7*	22.7*	78.3	218.4	20.2*	20.2*				
170	50	70	72.3	215.9	22.0*	22.0*	75.5	215.5	18.7*	18.7*	78.5	212.5	13.1*	13.1*
170	50	80	69.5	212.4	20.5*	20.5*	72.8	212.1	17.2*	17.2*	75.7	209.0	12.0*	12.0*
170	50	90	66.7	208.3	18.7	17.4	69.9	208.1	15.7*	15.7*	72.8	205.0	11.2*	11.2*
170	50	100	63.8	203.6	15.9	14.7	67.0	203.5	14.1*	14.1*	69.8	200.3	10.5*	10.5*
170	50	110	60.9	198.3	13.7	12.6	64.1	198.2	12.5*	12.5*	66.8	195.0	9.7*	9.7*
170	50	120	57.9	192.3	11.8	10.8	61.0	192.3	11.6*	11.4	63.7	189.0	8.9*	8.9*
170	50	130	54.7	185.6	10.2	9.3	57.9	185.6	10.7	9.8	60.4	182.1	8.4*	8.4*
170	50	140	51.5	178.0	8.9	8.1	54.6	178.1	9.4	8.5	57.0	174.4	8.0*	8.0*
170	50	150	48.1	169.4	7.8	7.0	51.1	169.5	8.2	7.4	53.5	165.6	7.6*	7.6*
170	50	160	44.5	159.8	6.8	6.1	47.5	159.9	7.1	6.4	49.7	155.7	7.2*	6.7
170	50	170	40.6	148.8	5.9	5.2	43.6	148.9	6.2	5.5				
170	50	180	36.4	136.2	5.1	4.5	39.3	136.1	5.4	4.8				
170	50	190	31.8	121.3	4.5	3.9	34.6	121.1	4.7	4.1				
170	50	200	26.4	103.3	3.8	3.3								
170	60	50	78.2	231.8	21.2*	21.2*								
170	60	60	75.6	229.4	20.5*	20.5*	79.4	228.9	18.3*	18.3*				
170	60	70	73.1	226.5	19.8*	19.8*	76.8	226.2	17.2*	17.2*				
170	60	80	70.4	223.2	18.1*	18.1*	74.2	222.9	15.6*	15.6*	77.6	219.6	9.6*	9.6*
170	60	90	67.8	219.3	16.6*	16.6*	71.5	219.2	14.0*	14.0*	74.8	215.8	8.6*	8.6*
170	60	100	65.0	214.9	15.2*	14.8	68.8	214.8	12.3*	12.3*	72.0	211.4	8.1*	8.1*
170	60	110	62.3	209.9	13.7	12.7	66.0	209.9	10.6*	10.6*	69.1	206.4	7.5*	7.5*
170	60	120	59.4	204.3	11.9	10.9	63.1	204.4	8.9*	8.9*	66.2	200.7	6.9*	6.9*
170	60	130	56.5	197.9	10.3	9.4	60.1	198.1	8.3*	8.3*	63.1	194.4	6.3*	6.3*
170	60	140	53.4	190.9	9.0	8.2	57.0	191.1	7.7*	7.7*	60.0	187.2	5.8*	5.8*
170	60	150	50.3	183.0	7.9	7.1	53.8	183.2	7.1*	7.1*	56.7	179.1	5.6*	5.6*
170	60	160	46.9	174.1	6.9	6.1	50.5	174.4	6.4*	6.4*	53.2	169.9	5.4*	5.4*
170	60	170	43.4	164.1	6.0	5.3	46.9	164.4	5.9*	5.7	49.5	159.5	5.1*	5.1*
170	60	180	39.7	152.8	5.2	4.6	43.1	153.0	5.6	4.9				

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Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Degrees Jib Pt. Height (feet)	0 Degrees ABC+ 20,000# Ctwt.	0 Degrees ABC+0 Ctwt.	15 Degrees Boom Angle (deg)	15 Degrees Jib Pt. Height (feet)	15 Degrees ABC+ 20,000# Ctwt.	15 Degrees ABC+0 Ctwt.	30 Degrees Boom Angle (deg)	30 Degrees Jib Pt. Height (feet)	30 Degrees ABC+ 20,000# Ctwt.	30 Degrees ABC+0 Ctwt.
170	60	190	35.6	139.7	4.6	4.0	38.9	139.8	4.8	4.2				
170	60	200	31.0	124.5	3.9	3.4	34.3	124.3	4.2	3.6				
170	60	210	25.8	106.0	3.4	2.8								
170	70	50	78.7	242.2	18.6*	18.6*								
170	70	60	76.2	240.0	17.9*	17.9*								
170	70	70	73.8	237.3	17.3*	17.3*	78.0	237.1	15.2*	15.2*				
170	70	80	71.3	234.1	16.2*	16.2*	75.5	234.0	14.2*	14.2*	79.3	230.5	9.5*	9.5*
170	70	90	68.7	230.5	14.8*	14.8*	72.9	230.5	13.0*	13.0*	76.7	226.9	8.5*	8.5*
170	70	100	66.1	226.3	13.5*	13.5*	70.3	226.4	11.8*	11.8*	74.0	222.8	7.7*	7.7*
170	70	110	63.5	221.6	12.4*	12.4*	67.7	221.8	10.5*	10.5*	71.3	218.1	7.1*	7.1*
170	70	120	60.8	216.3	11.4*	11.0	64.9	216.6	9.3*	9.3*	68.5	212.8	6.6*	6.6*
170	70	130	58.0	210.4	10.4	9.5	62.1	210.8	7.9*	7.9*	65.6	206.9	6.0*	6.0*
170	70	140	55.2	203.8	9.1	8.2	59.3	204.3	7.4*	7.4*	62.6	200.2	5.4*	5.4*
170	70	150	52.2	196.5	7.9	7.2	56.3	197.0	6.8*	6.8*	59.6	192.7	4.9*	4.9*
170	70	160	49.1	188.3	6.9	6.2	53.1	188.8	6.1*	6.1*	56.3	184.2	4.5*	4.5*
170	70	170	45.9	179.1	6.1	5.4	49.9	179.6	5.5*	5.5*	52.9	174.7	4.1*	4.1*
170	70	180	42.5	168.8	5.3	4.7	46.4	169.3	4.9*	4.9*	49.3	163.9	3.7*	3.7*
170	70	190	38.8	157.1	4.6	4.0	42.6	157.6	4.6*	4.4				
170	70	200	34.8	143.8	4.0	3.4	38.6	144.1	4.3	3.7				
170	70	210	30.4	128.1	3.5	2.9	34.0	128.1	3.7	3.2				
170	70	220	25.3	109.2	3.0	2.5								
180	30	40	79.8	213.5	30.0*	30.0*								
180	30	50	77.1	211.4	29.2*	29.2*	79.1	211.1	26.3*	26.3*				
180	30	60	74.2	208.9	28.4*	28.4*	76.3	208.6	25.5*	25.5*	78.1	206.7	21.0*	21.0*
180	30	70	71.4	205.8	26.3	24.5	73.4	205.5	24.8*	24.8*	75.2	203.6	19.8*	19.8*
180	30	80	68.5	202.1	21.8	20.3	70.5	201.9	22.2	20.9	72.3	199.9	18.7*	18.7*
180	30	90	65.5	197.8	18.2	16.9	67.5	197.7	18.8	17.4	69.2	195.7	17.8*	17.8*
180	30	100	62.5	192.9	15.4	14.2	64.5	192.8	15.9	14.7	66.1	190.8	16.3	15.1
180	30	110	59.4	187.3	13.1	12.0	61.3	187.3	13.5	12.5	62.9	185.1	13.9	12.8
180	30	120	56.1	181.0	11.3	10.3	58.1	181.0	11.6	10.6	59.6	178.7	11.9	10.9
180	30	130	52.8	173.8	9.7	8.8	54.7	173.8	10.0	9.1	56.2	171.5	10.3	9.4
180	30	140	49.3	165.7	8.4	7.5	51.2	165.7	8.7	7.8	52.6	163.2	8.9	8.0
180	30	150	45.6	156.5	7.2	6.5	47.4	156.5	7.5	6.7	48.8	153.8	7.7	6.9
180	30	160	41.6	146.0	6.2	5.5	43.5	146.0	6.5	5.7				
180	30	170	37.3	133.8	5.4	4.7	39.1	133.7	5.6	4.9				
180	30	180	32.5	119.5	4.6	4.0	34.3	119.2	4.7	4.1				
180	30	190	27.0	102.0	3.9	3.3								
180	40	50	77.7	221.5	26.1*	26.1*								
180	40	60	75.0	219.0	25.4*	25.4*	77.6	218.5	22.7*	22.7*	80.0	216.0	17.2*	17.2*
180	40	70	72.3	216.0	24.7*	24.7	74.9	215.6	21.5*	21.5*	77.2	213.0	16.2*	16.2*
180	40	80	69.5	212.5	21.9	20.4	72.1	212.2	20.2*	20.2*	74.4	209.5	15.4*	15.4*
180	40	90	66.7	208.4	18.3	17.0	69.3	208.1	19.0*	17.7	71.5	205.5	14.6*	14.6*
180	40	100	63.8	203.7	15.5	14.3	66.4	203.5	16.2	15.0	68.6	200.8	13.9*	13.9*
180	40	110	60.9	198.4	13.3	12.2	63.4	198.3	13.8	12.7	65.5	195.5	13.0*	13.0*
180	40	120	57.9	192.4	11.4	10.4	60.4	192.4	11.9	10.9	62.4	189.5	12.0*	11.3
180	40	130	54.7	185.7	9.8	8.9	57.2	185.7	10.3	9.4	59.2	182.7	10.6	9.7
180	40	140	51.5	178.1	8.5	7.7	53.9	178.1	8.9	8.1	55.8	175.0	9.2	8.4

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LS-238H Tubular Jib Capacities

Capacities shown in thousands of poun

Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees — Boom Angle (deg)	0 Degrees — Jib Pt. Height (feet)	0 Degrees — ABC+ 20,000# Ctwt.	0 Degrees — ABC+0 Ctwt.	15 Degrees — Boom Angle (deg)	15 Degrees — Jib Pt. Height (feet)	15 Degrees — ABC+ 20,000# Ctwt.	15 Degrees — ABC+0 Ctwt.	30 Degrees — Boom Angle (deg)	30 Degrees — Jib Pt. Height (feet)	30 Degrees — ABC+ 20,000# Ctwt.	30 Degrees — ABC+ Ctwt.
180	40	150	48.1	169.6	7.4	6.6	50.5	169.6	7.7	6.9	52.3	166.3	8.0	7.2
180	40	160	44.5	160.0	6.4	5.7	46.9	160.0	6.7	6.0	48.6	156.4	6.9	6.2
180	40	170	40.6	149.0	5.5	4.8	43.0	149.0	5.8	5.1				
180	40	180	36.4	136.4	4.7	4.1	38.7	136.3	5.0	4.3				
180	40	190	31.8	121.6	4.1	3.5	34.0	121.3	4.2	3.6				
180	40	200	26.4	103.5	3.5	2.9								
180	50	50	78.2	231.7	23.6*	23.6*								
180	50	60	75.6	229.3	22.9*	22.9*	78.8	228.7	20.5*	20.5*				
180	50	70	73.1	226.4	22.2*	22.2*	76.2	226.0	19.1*	19.1*	79.0	222.9	13.4*	13.4*
180	50	80	70.4	223.0	20.5*	20.5	73.6	222.7	17.7*	17.7*	76.3	219.6	12.1*	12.1*
180	50	90	67.8	219.1	18.5	17.1	70.9	218.9	16.2*	16.2*	73.6	215.8	11.4*	11.4*
180	50	100	65.0	214.7	15.6	14.4	68.1	214.5	14.7*	14.7*	70.8	211.4	10.7*	10.7*
180	50	110	62.3	209.7	13.4	12.3	65.3	209.6	13.2*	13.0	67.9	206.3	10.0*	10.0*
180	50	120	59.4	204.0	11.5	10.5	62.5	204.0	12.0*	11.1	65.0	200.7	9.3*	9.3*
180	50	130	56.5	197.7	10.0	9.0	59.5	197.7	10.5	9.6	62.0	194.3	8.5*	8.5*
180	50	140	53.4	190.6	8.6	7.8	56.4	190.7	9.1	8.3	58.8	187.1	8.2*	8.2*
180	50	150	50.3	182.7	7.5	6.7	53.2	182.8	7.9	7.1	55.5	179.0	7.7*	7.5
180	50	160	46.9	173.8	6.5	5.8	49.9	173.9	6.9	6.1	52.0	169.8	6.8*	6.4
180	50	170	43.4	163.8	5.6	4.9	46.3	163.9	6.0	5.3	48.4	159.5	6.1*	5.5
180	50	180	39.7	152.5	4.9	4.2	42.5	152.5	5.1	4.5				
180	50	190	35.6	139.4	4.2	3.6	38.4	139.3	4.4	3.8				
180	50	200	31.0	124.1	3.6	3.0								
180	50	210	25.8	105.6	3.0	2.5								
180	60	50	78.7	242.0	21.3*	21.3*								
180	60	60	76.2	239.7	20.6*	20.6*	79.9	239.2	18.4*	18.4*				
180	60	70	73.8	237.0	19.9*	19.9*	77.4	236.6	17.4*	17.4*				
180	60	80	71.3	233.8	18.1*	18.1*	74.9	233.5	16.0*	16.0*	78.1	230.1	9.9*	9.9*
180	60	90	68.7	230.1	16.6*	16.6*	72.3	229.9	14.4*	14.4*	75.5	226.5	8.8*	8.8*
180	60	100	66.1	225.9	15.3*	14.5	69.7	225.8	12.9*	12.9*	72.9	222.3	8.2*	8.2*
180	60	110	63.5	221.1	13.5	12.4	67.1	221.1	11.3*	11.3*	70.1	217.6	7.7*	7.7*
180	60	120	60.8	215.8	11.6	10.6	64.3	215.9	9.7*	9.7*	67.3	212.2	7.1*	7.1*
180	60	130	58.0	209.9	10.0	9.1	61.5	210.0	8.6*	8.6*	64.5	206.2	6.5*	6.5*
180	60	140	55.2	203.2	8.7	7.9	58.7	203.4	8.0*	8.0*	61.5	199.5	6.0*	6.0*
180	60	150	52.2	195.8	7.6	6.8	55.7	196.0	7.4*	7.3	58.4	191.9	5.7*	5.7*
180	60	160	49.1	187.6	6.6	5.9	52.5	187.8	6.8*	6.3	55.2	183.5	5.4*	5.4*
180	60	170	45.9	178.4	5.7	5.0	49.3	178.6	6.1	5.4	51.8	174.0	4.8*	4.8*
180	60	180	42.5	168.0	5.0	4.3	45.8	168.3	5.3	4.7	48.2	163.2	4.3*	4.3*
180	60	190	38.8	156.3	4.3	3.7	42.1	156.5	4.6	4.0				
180	60	200	34.8	142.9	3.7	3.1	38.0	142.9	3.9	3.3				
180	60	210	30.4	127.2	3.1	2.6	33.5	127.0	3.3	2.8				
180	60	220	25.3	108.2	2.6	2.1								
180	70	50	79.2	252.4	18.7*	18.7*								
180	70	60	76.8	250.2	18.1*	18.1*								
180	70	70	74.4	247.7	17.4*	17.4*	78.5	247.4	15.3*	15.3*				
180	70	80	72.0	244.7	16.3*	16.3*	76.1	244.5	14.3*	14.3*	79.8	240.9	9.6*	9.6*
180	70	90	69.6	241.2	14.8*	14.8*	73.7	241.1	13.2*	13.2*	77.3	237.5	8.8*	8.8*
180	70	100	67.2	237.2	13.6*	13.6*	71.2	237.3	12.2*	12.2*	74.8	233.6	7.8*	7.8*

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Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Degrees Jib Pt. Height (feet)	0 Degrees ABC+ 20,000# Ctwt.	0 Degrees ABC+0 Ctwt.	15 Degrees Boom Angle (deg)	15 Degrees Jib Pt. Height (feet)	15 Degrees ABC+ 20,000# Ctwt.	15 Degrees ABC+0 Ctwt.	30 Degrees Boom Angle (deg)	30 Degrees Jib Pt. Height (feet)	30 Degrees ABC+ 20,000# Ctwt.	30 Degrees ABC+0 Ctwt.
180	70	110	64.6	232.7	12.5*	12.5	68.6	232.9	11.0*	11.0*	72.2	229.1	7.3*	7.3*
180	70	120	62.1	227.7	11.5*	10.7	66.1	228.0	9.8*	9.8*	69.5	224.1	6.8*	6.8*
180	70	130	59.5	222.1	10.1	9.2	63.4	222.4	8.5*	8.5*	66.8	218.5	6.2*	6.2*
180	70	140	56.8	215.9	8.8	8.0	60.7	216.3	7.7*	7.7*	64.0	212.2	5.5*	5.5*
180	70	150	54.0	209.0	7.7	6.9	57.9	209.4	7.1*	7.1*	61.1	205.1	4.8*	4.8*
180	70	160	51.1	201.3	6.7	5.9	54.9	201.8	6.5*	6.5	58.0	197.3	4.3*	4.3*
180	70	170	48.1	192.8	5.8	5.1	51.9	193.3	5.9*	5.6	54.9	188.5	3.8*	3.8*
180	70	180	44.9	183.3	5.0	4.4	48.7	183.8	5.3*	4.8	51.5	178.6	3.4*	3.4*
180	70	190	41.6	172.6	4.3	3.7	45.3	173.1	4.7	4.1	48.0	167.4	3.1*	3.1*
180	70	200	38.0	160.6	3.7	3.2	41.7	161.0	4.1	3.5				
180	70	210	34.1	146.9	3.2	2.6	37.7	147.1	3.5	2.9				
180	70	220	29.8	130.8	2.7	2.2	33.2	130.7	2.9	2.4				
180	70	230	24.7	111.4	2.2									
190	30	50	77.7	221.7	29.3*	29.3*	79.6	221.4	26.5*	26.5*				
190	30	60	75.0	219.2	28.6*	28.6*	76.9	219.0	25.7*	25.7*	78.7	217.0	21.2*	21.2*
190	30	70	72.3	216.3	26.0	24.2	74.2	216.0	25.0*	25.0*	75.9	214.1	20.0*	20.0*
190	30	80	69.5	212.8	21.5	20.0	71.4	212.6	22.2	20.7	73.1	210.6	19.0*	19.0*
190	30	90	66.7	208.8	17.9	16.6	68.6	208.6	18.5	17.2	70.3	206.6	18.1*	17.7
190	30	100	63.8	204.1	15.1	13.9	65.7	204.0	15.6	14.4	67.3	202.0	16.1	14.9
190	30	110	60.9	198.9	12.8	11.8	62.8	198.8	13.3	12.2	64.3	196.7	13.7	12.6
190	30	120	57.9	192.9	11.0	10.0	59.7	192.9	11.4	10.4	61.2	190.7	11.7	10.7
190	30	130	54.7	186.2	9.4	8.5	56.6	186.2	9.8	8.9	58.0	183.9	10.0	9.1
190	30	140	51.5	178.7	8.1	7.3	53.3	178.7	8.4	7.6	54.7	176.3	8.6	7.8
190	30	150	48.1	170.2	7.0	6.2	49.9	170.2	7.2	6.4	51.2	167.6	7.4	6.6
190	30	160	44.5	160.6	6.0	5.2	46.2	160.6	6.2	5.5	47.5	157.8	6.4	5.6
190	30	170	40.6	149.7	5.1	4.4	42.4	149.7	5.3	4.6				
190	30	180	36.4	137.1	4.3	3.7	38.1	137.0	4.5	3.9				
190	30	190	31.8	122.3	3.6	3.0	33.4	122.1	3.8	3.2				
190	30	200	26.4	104.3	3.0	2.5								
190	40	50	78.2	231.7	26.3*	26.3*								
190	40	60	75.6	229.3	25.6*	25.6*	78.2	228.9	22.9*	22.9*				
190	40	70	73.1	226.5	24.9*	24.4	75.6	226.1	21.8*	21.8*	77.8	223.5	16.4*	16.4*
190	40	80	70.4	223.1	21.7	20.1	72.9	222.8	20.6*	20.6*	75.1	220.2	15.6*	15.6*
190	40	90	67.8	219.2	18.1	16.7	70.2	219.0	18.9	17.5	72.4	216.3	14.8*	14.8*
190	40	100	65.0	214.8	15.3	14.1	67.5	214.6	15.9	14.7	69.6	211.9	14.1*	14.1*
190	40	110	62.3	209.8	13.0	11.9	64.7	209.7	13.6	12.5	66.8	206.9	13.4*	13.0
190	40	120	59.4	204.2	11.1	10.1	61.8	204.1	11.6	10.7	63.8	201.2	12.1	11.1
190	40	130	56.5	197.9	9.6	8.7	58.9	197.8	10.0	9.1	60.8	194.8	10.4	9.5
190	40	140	53.4	190.8	8.2	7.4	55.8	190.7	8.6	7.8	57.7	187.7	9.0	8.1
190	40	150	50.3	182.9	7.1	6.3	52.6	182.8	7.5	6.7	54.4	179.6	7.7	7.0
190	40	160	46.9	174.0	6.1	5.4	49.3	174.0	6.4	5.7	51.0	170.5	6.7	5.9
190	40	170	43.4	164.0	5.2	4.6	45.7	164.0	5.5	4.8	47.3	160.2	5.7	5.0
190	40	180	39.7	152.7	4.5	3.8	41.9	152.6	4.7	4.1				
190	40	190	35.6	139.6	3.8	3.2	37.8	139.5	4.0	3.4				
190	40	200	31.0	124.4	3.2	2.6								
190	40	210	25.8	105.8	2.6	2.1								

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LS-238H Tubular Jib Capacities

Capacities shown in thousands of poun

Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees — Boom Angle (deg)	0 Degrees — Jib Pt. Height (feet)	0 Degrees — ABC+ 20,000# Ctwt.	0 Degrees — ABC+0 Ctwt.	15 Degrees — Boom Angle (deg)	15 Degrees — Jib Pt. Height (feet)	15 Degrees — ABC+ 20,000# Ctwt.	15 Degrees — ABC+0 Ctwt.	30 Degrees — Boom Angle (deg)	30 Degrees — Jib Pt. Height (feet)	30 Degrees — ABC+ 20,000# Ctwt.	30 Degrees — ABC+(Ctwt.
190	50	50	78.7	241.9	23.7*	23.7*								
190	50	60	76.2	239.6	23.1*	23.1*	79.3	239.0	20.7*	20.7*				
190	50	70	73.8	236.9	22.4*	22.4*	76.8	236.4	19.4*	19.4*	79.5	233.3	13.6*	13.6*
190	50	80	71.3	233.6	20.5*	20.3	74.3	233.3	18.1*	18.1*	76.9	230.1	12.3*	12.3*
190	50	90	68.7	229.9	18.2	16.8	71.7	229.6	16.7*	16.7*	74.3	226.5	11.6*	11.6*
190	50	100	66.1	225.7	15.4	14.2	69.1	225.5	15.2*	15.0	71.7	222.3	11.0*	11.0*
190	50	110	63.5	221.0	13.1	12.0	66.5	220.8	13.8*	12.8	69.0	217.6	10.3*	10.3*
190	50	120	60.8	215.6	11.2	10.3	63.7	215.5	11.9	10.9	66.2	212.2	9.6*	9.6*
190	50	130	58.0	209.6	9.7	8.8	60.9	209.6	10.3	9.4	63.3	206.2	8.8*	8.8*
190	50	140	55.2	203.0	8.3	7.5	58.1	203.0	8.9	8.0	60.4	199.4	8.1*	8.1*
190	50	150	52.2	195.6	7.2	6.4	55.1	195.6	7.7	6.9	57.3	191.9	7.1*	7.1*
190	50	160	49.1	187.3	6.2	5.5	52.0	187.4	6.6	5.9	54.1	183.4	6.4*	6.2
190	50	170	45.9	178.1	5.3	4.7	48.7	178.1	5.7	5.0	50.7	173.9	5.8*	5.3
190	50	180	42.5	167.7	4.6	3.9	45.2	167.8	4.9	4.3				
190	50	190	38.8	156.0	3.9	3.3	41.5	156.0	4.2	3.6				
190	50	200	34.8	142.6	3.3	2.7	37.5	142.4	3.5	2.9				
190	50	210	30.4	126.9	2.7	2.2								
190	50	220	25.3	107.9	2.2									
190	60	50	79.2	252.2	21.4*	21.4*								
190	60	60	76.8	250.0	20.8*	20.8*								
190	60	70	74.4	247.4	19.8*	19.8*	77.9	246.9	17.4*	17.4*				
190	60	80	72.0	244.3	18.1*	18.1*	75.5	244.0	16.1*	16.1*	78.6	240.5	10.2*	10.2*
190	60	90	69.6	240.8	16.7*	16.7*	73.1	240.6	14.9*	14.9*	76.2	237.1	8.9*	8.9*
190	60	100	67.2	236.8	15.3*	14.3	70.6	236.6	13.4*	13.4*	73.6	233.1	8.4*	8.4*
190	60	110	64.6	232.3	13.2	12.1	68.1	232.2	11.9*	11.9*	71.0	228.6	7.9*	7.9*
190	60	120	62.1	227.2	11.3	10.3	65.5	227.2	10.3*	10.3*	68.4	223.6	7.3*	7.3*
190	60	130	59.5	221.6	9.8	8.9	62.8	221.6	8.9*	8.9*	65.7	217.9	6.8*	6.8*
190	60	140	56.8	215.3	8.4	7.6	60.1	215.4	8.3*	8.2	62.9	211.6	6.2*	6.2*
190	60	150	54.0	208.4	7.3	6.5	57.3	208.5	7.8*	7.1	60.0	204.5	5.7*	5.7*
190	60	160	51.1	200.6	6.3	5.6	54.4	200.9	6.8	6.1	57.0	196.6	5.1*	5.1*
190	60	170	48.1	192.1	5.4	4.8	51.3	192.3	5.9	5.2	53.8	187.8	4.5*	4.5*
190	60	180	44.9	182.5	4.7	4.0	48.1	182.8	5.1	4.4	50.5	177.9	4.1*	4.1*
190	60	190	41.6	171.9	4.0	3.4	44.7	172.0	4.3	3.7	47.0	166.8	3.7*	3.7*
190	60	200	38.0	159.8	3.4	2.8	41.1	159.9	3.7	3.1				
190	60	210	34.1	146.0	2.8	2.3	37.1	146.0	3.1	2.5				
190	60	220	29.8	129.9	2.3									
190	70	50	79.6	262.6	18.8*	18.8*								
190	70	60	77.3	260.5	18.2*	18.2*								
190	70	70	75.1	258.0	17.6*	17.6*	79.0	257.7	15.4*	15.4*				
190	70	80	72.8	255.2	16.3*	16.3*	76.7	254.9	14.3*	14.3*				
190	70	90	70.4	251.8	14.8*	14.8*	74.3	251.7	13.2*	13.2*	77.8	248.0	9.0*	9.0*
190	70	100	68.1	248.0	13.6*	13.6*	71.9	248.0	12.2*	12.2*	75.4	244.3	7.9*	7.9*
190	70	110	65.7	243.8	12.5*	12.2	69.5	243.8	11.3*	11.3*	72.9	240.1	7.4*	7.4*
190	70	120	63.2	239.0	11.4	10.4	67.1	239.2	10.2*	10.2*	70.4	235.3	6.8*	6.8*
190	70	130	60.7	233.7	9.8	8.9	64.6	233.9	9.1*	9.1*	67.8	230.0	5.9*	5.9*
190	70	140	58.2	227.8	8.5	7.7	62.0	228.1	7.9*	7.9*	65.2	224.0	5.2*	5.2*
190	70	150	55.6	221.2	7.4	6.6	59.3	221.6	7.4*	7.2	62.4	217.4	4.5*	4.5*
190	70	160	52.8	214.0	6.4	5.7	56.6	214.4	6.8*	6.2	59.6	210.0	4.0*	4.0*

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Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Degrees Jib Pt. Height (feet)	0 Degrees ABC+ 20,000# Ctwt.	0 Degrees ABC+0 Ctwt.	15 Degrees Boom Angle (deg)	15 Degrees Jib Pt. Height (feet)	15 Degrees ABC+ 20,000# Ctwt.	15 Degrees ABC+0 Ctwt.	30 Degrees Boom Angle (deg)	30 Degrees Jib Pt. Height (feet)	30 Degrees ABC+ 20,000# Ctwt.	30 Degrees ABC+0 Ctwt.
190	70	170	50.0	206.0	5.5	4.8	53.7	206.5	6.0	5.3	56.6	201.8	3.6*	3.6*
190	70	180	47.1	197.2	4.7	4.1	50.7	197.7	5.2	4.6	53.6	192.7	3.3*	3.3*
190	70	190	44.0	187.4	4.1	3.5	47.6	187.8	4.5	3.9	50.3	182.4	3.0*	3.0*
190	70	200	40.7	176.4	3.4	2.9	44.3	176.8	3.8	3.2	46.8	170.9	2.7*	2.7*
190	70	210	37.2	164.0	2.9	2.3	40.7	164.3	3.2	2.7				
190	70	220	33.4	149.9	2.4		36.8	150.0	2.7					
200	30	50	78.2	231.9	29.5*	29.5*								
200	30	60	75.6	229.6	28.8*	28.8*	77.5	229.3	25.9*	25.9*	79.2	227.3	21.4*	21.4*
200	30	70	73.1	226.8	25.7	24.0	74.9	226.5	25.2*	24.8	76.6	224.5	20.3*	20.3*
200	30	80	70.4	223.4	21.3	19.7	72.3	223.2	22.0	20.5	73.9	221.3	19.2*	19.2*
200	30	90	67.8	219.6	17.7	16.3	69.6	219.4	18.3	16.9	71.2	217.4	18.3*	17.5
200	30	100	65.0	215.2	14.8	13.6	66.9	215.1	15.4	14.2	68.4	213.0	15.9	14.7
200	30	110	62.3	210.3	12.6	11.5	64.1	210.2	13.1	12.0	65.6	208.1	13.5	12.4
200	30	120	59.4	204.7	10.7	9.7	61.2	204.6	11.1	10.1	62.7	202.4	11.5	10.5
200	30	130	56.5	198.4	9.1	8.2	58.3	198.3	9.5	8.6	59.7	196.1	9.8	8.9
200	30	140	53.4	191.3	7.8	7.0	55.2	191.3	8.1	7.3	56.6	189.0	8.4	7.6
200	30	150	50.3	183.5	6.7	5.9	52.0	183.5	7.0	6.2	53.3	180.9	7.2	6.4
200	30	160	46.9	174.6	5.7	5.0	48.7	174.6	5.9	5.2	49.9	171.9	6.1	5.4
200	30	170	43.4	164.7	4.8	4.1	45.1	164.7	5.0	4.4	46.3	161.7	5.2	4.5
200	30	180	39.7	153.4	4.1	3.4	41.3	153.3	4.2	3.6				
200	30	190	35.6	140.4	3.4	2.8	37.2	140.2	3.5	2.9				
200	30	200	31.0	125.1	2.8	2.2								
200	30	210	25.8	106.7	2.2									
200	40	50	78.7	241.9	26.4*	26.4*								
200	40	60	76.2	239.7	25.7*	25.7*	78.7	239.2	23.1*	23.1*				
200	40	70	73.8	236.9	25.1*	24.1	76.2	236.5	22.0*	22.0*	78.3	233.9	16.6*	16.6*
200	40	80	71.3	233.7	21.4	19.9	73.7	233.4	20.9*	20.8	75.8	230.7	15.7*	15.7*
200	40	90	68.7	230.0	17.8	16.5	71.1	229.7	18.6	17.3	73.2	227.1	15.0*	15.0*
200	40	100	66.1	225.8	15.0	13.8	68.5	225.6	15.7	14.5	70.5	222.9	14.3*	14.3*
200	40	110	63.5	221.1	12.7	11.6	65.9	220.9	13.3	12.3	67.8	218.1	13.4*	12.8
200	40	120	60.8	215.7	10.8	9.9	63.1	215.6	11.4	10.4	65.1	212.8	11.9	10.9
200	40	130	58.0	209.8	9.3	8.4	60.4	209.7	9.8	8.9	62.2	206.8	10.2	9.3
200	40	140	55.2	203.1	8.0	7.1	57.5	203.1	8.4	7.6	59.3	200.0	8.8	7.9
200	40	150	52.2	195.7	6.8	6.0	54.5	195.7	7.2	6.4	56.2	192.5	7.5	6.7
200	40	160	49.1	187.5	5.8	5.1	51.4	187.5	6.2	5.4	53.0	184.1	6.4	5.7
200	40	170	45.9	178.3	5.0	4.3	48.1	178.2	5.3	4.6	49.7	174.7	5.5	4.8
200	40	180	42.5	167.9	4.2	3.5	44.6	167.9	4.5	3.8				
200	40	190	38.8	156.2	3.5	2.9	40.9	156.1	3.7	3.1				
200	40	200	34.8	142.8	2.9	2.3	36.9	142.6	3.1	2.5				
200	40	210	30.4	127.1	2.3									
200	50	50	79.2	252.1	23.8*	23.8*								
200	50	60	76.8	249.9	23.2*	23.2*	79.7	249.3	20.8*	20.8*				
200	50	70	74.4	247.3	22.6*	22.6*	77.3	246.8	19.6*	19.6*	80.0	243.6	13.9*	13.9*
200	50	80	72.0	244.2	20.4*	20.0	74.9	243.8	18.3*	18.3*	77.5	240.6	12.5*	12.5*
200	50	90	69.6	240.7	17.9	16.6	72.5	240.3	17.0*	17.0*	75.0	237.1	11.8*	11.8*
200	50	100	67.2	236.6	15.1	13.9	70.0	236.4	15.7*	14.8	72.5	233.2	11.2*	11.2*
200	50	110	64.6	232.1	12.8	11.7	67.5	231.9	13.6	12.5	69.9	228.6	10.5*	10.5*

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LS-238H Tubular Jib Capacities

Capacities shown in thousands of pounds

Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Degrees Jib Pt. Height (feet)	0 Degrees ABC+ 20,000# Ctwt.	0 Degrees ABC+0 Ctwt.	15 Degrees Boom Angle (deg)	15 Degrees Jib Pt. Height (feet)	15 Degrees ABC+ 20,000# Ctwt.	15 Degrees ABC+0 Ctwt.	30 Degrees Boom Angle (deg)	30 Degrees Jib Pt. Height (feet)	30 Degrees ABC+ 20,000# Ctwt.	30 Degrees ABC+0 Ctwt.
200	50	120	62.1	227.0	11.0	10.0	64.9	226.9	11.6	10.7	67.3	223.6	9.7*	9.7*
200	50	130	59.5	221.4	9.4	8.5	62.3	221.3	10.0	9.1	64.6	217.9	8.5*	8.5*
200	50	140	56.8	215.1	8.1	7.2	59.5	215.0	8.6	7.8	61.8	211.5	7.5*	7.5*
200	50	150	54.0	208.1	6.9	6.1	56.7	208.1	7.4	6.6	58.9	204.5	6.7*	6.7*
200	50	160	51.1	200.4	5.9	5.2	53.8	200.4	6.4	5.6	55.9	196.6	6.0*	6.0
200	50	170	48.1	191.8	5.1	4.4	50.8	191.8	5.5	4.8	52.8	187.8	5.4*	5.1
200	50	180	44.9	182.2	4.3	3.7	47.6	182.3	4.6	4.0	49.5	177.9	4.7*	4.3
200	50	190	41.6	171.6	3.6	3.0	44.2	171.6	3.9	3.3				
200	50	200	38.0	159.5	3.0	2.4	40.6	159.4	3.3	2.7				
200	50	210	34.1	145.7	2.4		36.6	145.5	2.7					
200	60	50	79.6	262.4	21.5*	21.5*								
200	60	60	77.3	260.3	20.9*	20.9*								
200	60	70	75.1	257.8	19.7*	19.7*	78.4	257.3	17.3*	17.3*				
200	60	80	72.8	254.8	18.1*	18.1*	76.1	254.4	16.1*	16.1*	79.1	251.0	10.5*	10.5*
200	60	90	70.4	251.5	16.6*	16.6*	73.8	251.2	14.9*	14.9*	76.7	247.7	9.1*	9.1*
200	60	100	68.1	247.6	15.2	14.0	71.4	247.4	13.8*	13.8*	74.3	243.9	8.5*	8.5*
200	60	110	65.7	243.3	12.9	11.8	69.0	243.2	12.4*	12.4*	71.8	239.6	8.0*	8.0*
200	60	120	63.2	238.5	11.0	10.1	66.5	238.4	11.0*	10.9	69.3	234.8	7.5*	7.5*
200	60	130	60.7	233.1	9.5	8.6	64.0	233.2	9.5*	9.3	66.7	229.4	6.8*	6.8*
200	60	140	58.2	227.2	8.2	7.3	61.4	227.3	8.6*	8.0	64.1	223.4	6.0*	6.0*
200	60	150	55.6	220.6	7.0	6.2	58.8	220.8	7.6	6.8	61.4	216.7	5.3*	5.3*
200	60	160	52.8	213.4	6.0	5.3	56.0	213.5	6.6	5.8	58.6	209.4	4.8*	4.8*
200	60	170	50.0	205.3	5.2	4.5	53.2	205.5	5.6	4.9	55.6	201.1	4.2*	4.2*
200	60	180	47.1	196.5	4.4	3.7	50.2	196.7	4.8	4.2	52.5	192.0	3.8*	3.8*
200	60	190	44.0	186.6	3.7	3.1	47.1	186.8	4.1	3.5	49.3	181.8	3.5*	3.5*
200	60	200	40.7	175.6	3.1	2.5	43.8	175.7	3.4	2.8				
200	60	210	37.2	163.2	2.5	2.0	40.2	163.2	2.8	2.3				
200	60	220	33.4	149.0	2.0		36.3	148.9	2.3					
200	70	50	80.0	272.7	18.9*	18.9*								
200	70	60	77.8	270.8	18.3*	18.3*								
200	70	70	75.6	268.4	17.8*	17.8*	79.4	268.0	15.5*	15.5*				
200	70	80	73.4	265.6	16.2*	16.2*	77.2	265.3	14.2*	14.2*				
200	70	90	71.2	262.4	14.8*	14.8*	74.9	262.3	13.2*	13.2*	78.3	258.5	9.2*	9.2*
200	70	100	68.9	258.8	13.6*	13.6*	72.7	258.7	12.2*	12.2*	76.0	255.0	8.2*	8.2*
200	70	110	66.6	254.7	12.5*	11.9	70.4	254.7	11.3*	11.3*	73.6	250.9	7.4*	7.4*
200	70	120	64.3	250.1	11.1	10.1	68.0	250.2	10.3*	10.3*	71.2	246.4	6.5*	6.5*
200	70	130	61.9	245.1	9.6	8.7	65.6	245.3	9.2*	9.2*	68.8	241.3	5.6*	5.6*
200	70	140	59.5	239.4	8.2	7.4	63.1	239.7	8.1*	8.2	66.2	235.6	5.0*	5.0*
200	70	150	57.0	233.2	7.1	6.3	60.6	233.6	7.3*	7.0	63.6	229.4	4.4*	4.4*
200	70	160	54.4	226.4	6.1	5.4	58.0	226.8	6.5*	6.0	61.0	222.4	3.9*	3.9*
200	70	170	51.8	218.9	5.2	4.5	55.4	219.3	5.8	5.1	58.2	214.7	3.5*	3.5*
200	70	180	49.0	210.6	4.5	3.8	52.6	211.1	5.0	4.3	55.3	206.2	3.1*	3.1*
200	70	190	46.2	201.5	3.8	3.2	49.7	201.9	4.2	3.6	52.3	196.7	2.7*	2.7*
200	70	200	43.1	191.4	3.2	2.6	46.6	191.8	3.6	3.0	49.1	186.2	2.5*	2.5*
200	70	210	39.9	180.1	2.6	2.1	43.3	180.4	3.0	2.4	45.7	174.2	2.2*	2.2*
200	70	220	36.5	167.4	2.1		39.9	167.6	2.4					

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Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees — Boom Angle (deg)	0 Degrees — Jib Pt. Height (feet)	0 Degrees — ABC+ 20,000# Ctwt.	0 Degrees — ABC+0 Ctwt.	15 Degrees — Boom Angle (deg)	15 Degrees — Jib Pt. Height (feet)	15 Degrees — ABC+ 20,000# Ctwt.	15 Degrees — ABC+0 Ctwt.	30 Degrees — Boom Angle (deg)	30 Degrees — Jib Pt. Height (feet)	30 Degrees — ABC+ 20,000# Ctwt.	30 Degrees — ABC+0 Ctwt.
210	30	50	78.7	242.1	29.6*	29.6*								
210	30	60	76.2	239.9	28.9*	28.9*	78.1	239.6	26.0*	26.0*	79.7	237.6	21.6*	21.6*
210	30	70	73.8	237.2	25.5	23.7	75.6	236.9	25.3*	24.6	77.2	234.9	20.5*	20.5*
210	30	80	71.3	234.0	21.0	19.5	73.1	233.8	21.8	20.2	74.6	231.8	19.5*	19.5*
210	30	90	68.7	230.4	17.4	16.1	70.5	230.2	18.1	16.7	72.0	228.2	18.6*	17.3
210	30	100	66.1	226.2	14.6	13.4	67.9	226.1	15.1	14.0	69.4	224.0	15.6	14.4
210	30	110	63.5	221.5	12.3	11.2	65.3	221.4	12.8	11.7	66.7	219.3	13.2	12.1
210	30	120	60.8	216.2	10.4	9.5	62.6	216.1	10.9	9.9	64.0	214.0	11.2	10.3
210	30	130	58.0	210.3	8.9	8.0	59.8	210.2	9.3	8.4	61.1	208.0	9.6	8.7
210	30	140	55.2	203.7	7.5	6.7	56.9	203.6	7.9	7.1	58.2	201.3	8.2	7.3
210	30	150	52.2	196.3	6.4	5.6	53.9	196.3	6.7	5.9	55.2	193.8	6.9	6.2
210	30	160	49.1	188.1	5.4	4.7	50.8	188.1	5.7	5.0	52.0	185.5	5.9	5.2
210	30	170	45.9	178.9	4.5	3.9	47.5	178.9	4.8	4.1	48.7	176.1	5.0	4.3
210	30	180	42.5	168.6	3.8	3.1	44.1	168.6	4.0	3.3				
210	30	190	38.8	156.9	3.1	2.5	40.4	156.8	3.3	2.7				
210	30	200	34.8	143.5	2.5		36.4	143.4	2.6					
210	40	50	79.2	252.1	26.5*	26.5*								
210	40	60	76.8	250.0	25.9*	25.9*	79.1	249.4	23.3*	23.3*				
210	40	70	74.4	247.3	25.3*	23.8	76.8	246.9	22.3*	22.3*	78.8	244.2	16.7*	16.7*
210	40	80	72.0	244.3	21.1	19.6	74.3	243.9	21.0*	20.6	76.4	241.2	15.9*	15.9*
210	40	90	69.6	240.8	17.5	16.2	71.9	240.4	18.4	17.1	73.9	237.7	15.2*	15.2*
210	40	100	67.2	236.7	14.7	13.5	69.4	236.5	15.5	14.3	71.4	233.7	14.1*	14.1*
210	40	110	64.6	232.2	12.4	11.4	66.9	232.0	13.1	12.0	68.8	229.2	12.4*	12.4*
210	40	120	62.1	227.1	10.6	9.6	64.3	227.0	11.2	10.2	66.2	224.2	10.9*	10.7
210	40	130	59.5	221.5	9.0	8.1	61.7	221.4	9.5	8.6	63.5	218.5	9.6*	9.1
210	40	140	56.8	215.2	7.7	6.8	59.0	215.1	8.1	7.3	60.7	212.1	8.5	7.7
210	40	150	54.0	208.3	6.5	5.8	56.2	208.2	6.9	6.2	57.9	205.1	7.3	6.5
210	40	160	51.1	200.5	5.5	4.8	53.3	200.5	5.9	5.2	54.9	197.2	6.2	5.5
210	40	170	48.1	192.0	4.7	4.0	50.2	191.9	5.0	4.3	51.8	188.5	5.2	4.6
210	40	180	44.9	182.4	3.9	3.3	47.0	182.4	4.2	3.6	48.5	178.7	4.4	3.8
210	40	190	41.6	171.7	3.2	2.6	43.7	171.7	3.5	2.9				
210	40	200	38.0	159.7	2.6	2.0	40.0	159.5	2.8	2.2				
210	40	210	34.1	145.9	2.1		36.1	145.6	2.2					
210	50	50	79.6	262.3	24.0*	24.0*								
210	50	60	77.3	260.2	23.4*	23.4*								
210	50	70	75.1	257.7	22.7*	22.7*	77.8	257.1	19.5*	19.5*				
210	50	80	72.8	254.7	20.2*	19.7	75.5	254.2	18.2*	18.2*	78.0	251.1	12.8*	12.8*
210	50	90	70.4	251.3	17.6	16.3	73.2	250.9	17.0*	17.0*	75.6	247.7	12.0*	12.0*
210	50	100	68.1	247.5	14.8	13.6	70.8	247.2	15.7	14.6	73.2	243.9	11.4*	11.4*
210	50	110	65.7	243.1	12.5	11.5	68.4	242.9	13.4	12.3	70.8	239.6	10.2*	10.2*
210	50	120	63.2	238.3	10.7	9.7	66.0	238.1	11.4	10.4	68.3	234.8	8.9*	8.9*
210	50	130	60.7	232.9	9.1	8.2	63.4	232.8	9.8	8.9	65.7	229.4	8.0*	8.0*
210	50	140	58.2	227.0	7.8	6.9	60.9	226.9	8.4	7.5	63.1	223.4	7.0*	7.0*
210	50	150	55.6	220.4	6.6	5.9	58.2	220.4	7.2	6.4	60.3	216.7	6.2*	6.2*
210	50	160	52.8	213.1	5.6	4.9	55.5	213.1	6.1	5.4	57.5	209.3	5.5*	5.5*
210	50	170	50.0	205.1	4.8	4.1	52.6	205.1	5.2	4.5	54.6	201.1	5.0*	4.8
210	50	180	47.1	196.2	4.0	3.4	49.7	196.2	4.4	3.7	51.6	192.0	4.4*	4.0
210	50	190	44.0	186.3	3.3	2.7	46.5	186.3	3.7	3.1	48.3	181.8	3.9	3.3

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LS-238H Tubular Jib Capacities

Capacities shown in thousands of poun

Boom Length (feet)	Jib Length (feet)	Jib Load Radius (feet)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Degrees Jib Pt. Height (feet)	0 Degrees ABC+ 20,000# Ctwt.	0 Degrees ABC+0 Ctwt.	15 Degrees Boom Angle (deg)	15 Degrees Jib Pt. Height (feet)	15 Degrees ABC+ 20,000# Ctwt.	15 Degrees ABC+0 Ctwt.	30 Degrees Boom Angle (deg)	30 Degrees Jib Pt. Height (feet)	30 Degrees ABC+ 20,000# Ctwt.	30 Degrees ABC+0 Ctwt.
210	50	200	40.7	175.3	2.7	2.1	43.2	175.3	3.0	2.4				
210	50	210	37.2	162.9	2.2		39.7	162.8	2.4					
210	60	50	80.0	272.5	21.6*	21.6*								
210	60	60	77.8	270.5	21.1*	21.1*								
210	60	70	75.6	268.1	19.6*	19.6*	78.9	267.6	17.2*	17.2*				
210	60	80	73.4	265.3	17.9*	17.9*	76.6	264.9	16.0*	16.0*	79.5	261.3	10.8*	10.8*
210	60	90	71.2	262.1	16.5*	16.4	74.4	261.7	14.8*	14.8*	77.3	258.2	9.4*	9.4*
210	60	100	68.9	258.4	14.9	13.7	72.1	258.1	13.8*	13.8*	74.9	254.6	8.6*	8.6*
210	60	110	66.6	254.3	12.6	11.6	69.8	254.1	12.3*	12.3*	72.6	250.5	8.2*	8.2*
210	60	120	64.3	249.7	10.8	9.8	67.5	249.6	10.9*	10.6	70.2	245.9	7.4*	7.4*
210	60	130	61.9	244.6	9.2	8.3	65.1	244.5	9.7*	9.1	67.7	240.8	6.5*	6.5*
210	60	140	59.5	238.9	7.9	7.0	62.6	238.9	8.6	7.7	65.2	235.1	5.7*	5.7*
210	60	150	57.0	232.7	6.7	6.0	60.1	232.8	7.4	6.6	62.6	228.8	5.0*	5.0*
210	60	160	54.4	225.8	5.7	5.0	57.5	225.9	6.3	5.6	60.0	221.8	4.4*	4.4*
210	60	170	51.8	218.3	4.9	4.2	54.8	218.4	5.4	4.7	57.2	214.1	4.0*	4.0*
210	60	180	49.0	209.9	4.1	3.5	52.0	210.1	4.6	3.9	54.4	205.6	3.6*	3.6*
210	60	190	46.2	200.8	3.4	2.8	49.1	200.9	3.8	3.2	51.3	196.1	3.2*	3.2*
210	60	200	43.1	190.6	2.8	2.2	46.1	190.8	3.2	2.6	48.2	185.5	2.9*	2.9*
210	60	210	39.9	179.3	2.2		42.8	179.4	2.6					
210	70	60	78.2	281.0	18.5*	18.5*								
210	70	70	76.1	278.7	17.7*	17.7*	79.8	278.3	15.4*	15.4*				
210	70	80	74.0	276.0	16.1*	16.1*	77.7	275.7	14.2*	14.2*				
210	70	90	71.9	273.0	14.7*	14.7*	75.5	272.8	13.1*	13.1*	78.8	269.0	9.3*	9.3*
210	70	100	69.7	269.5	13.5*	13.5*	73.3	269.4	12.1*	12.1*	76.5	265.6	8.2*	8.2*
210	70	110	67.5	265.6	12.5*	11.6	71.1	265.5	10.9*	10.9*	74.3	261.7	7.1*	7.1*
210	70	120	65.3	261.2	10.8	9.9	68.9	261.2	9.5*	9.5*	72.0	257.3	6.2*	6.2*
210	70	130	63.0	256.3	9.3	8.4	66.6	256.5	8.5*	8.5*	69.6	252.5	5.3*	5.3*
210	70	140	60.7	251.0	7.9	7.1	64.2	251.2	7.6*	7.6*	67.2	247.1	4.7*	4.7*
210	70	150	58.3	245.1	6.8	6.0	61.8	245.4	6.8*	6.8	64.8	241.2	4.2*	4.2*
210	70	160	55.9	238.6	5.8	5.1	59.4	238.9	6.0*	5.7	62.2	234.6	3.7*	3.7*
210	70	170	53.4	231.5	4.9	4.3	56.8	231.9	5.4*	4.9	59.6	227.3	3.2*	3.2*
210	70	180	50.8	223.7	4.2	3.5	54.2	224.1	4.7	4.1	56.9	219.3	2.9*	2.9*
210	70	190	48.1	215.1	3.5	2.9	51.5	215.6	4.0	3.4	54.1	210.5	2.6*	2.6*
210	70	200	45.3	205.7	2.9	2.3	48.6	206.1	3.3	2.7	51.1	200.7	2.3*	2.3*
210	70	210	42.3	195.3	2.3		45.6	195.7	2.7		48.0	189.8	2.1*	

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LS-238H Tubular Jib Capacity Notes:

1. Capacities are for an LS-238H with "ABC" (69,000 lbs. - *31 298 kg*) counterweight, 26' *(7.92 m)* live mast, and 1-3/8" *(35 mm)* diameter pendants.

2. Capacities are shown in thousands of pounds and are not more than 75% of the tipping loads with the machine standing level on a firm supporting surface.

3. Capacities are limited to a Link-Belt 62" x 70" *(1.57 x 1.78 m)* cross-section open throat tube boom and a 30" x 36" *(.75 x .91 m)* cross-section tube jib with a jib strut properly assembled.

4. Two parts of 7/8" *(22 mm)* diameter L-BS Type "RB" wire rope are required for maximum lift. For single part operation, 7/8" *(22 mm)* diameter L-BS Type "RB" wire rope is recommended.

5. Capacities are for 30' *(9.14 m)* thru 70' *(21.34 m)* jib lengths.

6. The maximum boom and jib combination is: 210' *(64.01 m)* boom + 70' *(21.34 m)* jib.

7. The least stable condition is over the side.

8. Booms must be erected and lowered over the end.

9. Those capacities followed by an asterisk (*) are governed by factors other than those that would cause a tipping condition.

10. A deduction must be made from the jib capacities for weights of hook blocks, hooks, slings, grapples, load weighing devices, etc.

11. When using the main hook, while a jib is attached, reduce the main boom capacities by the following values:
    a) 30' *(9.14 m)* jib - 2,200 lbs. *(998 kg)*
    b) 40' *(12.19 m)* jib - 2,500 lbs. *(1 134 kg)*
    c) 50' *(15.24 m)* jib - 2,900 lbs. *(1 315 kg)*
    d) 60' *(18.29 m)* jib - 3,200 lbs. *(1 452 kg)*
    e) 70' *(21.34 m)* jib - 3,500 lbs. *(1 588 kg)*

12. Refer to all notes on applicable lifting crane capacities in the crane rating manual in addition to these notes.

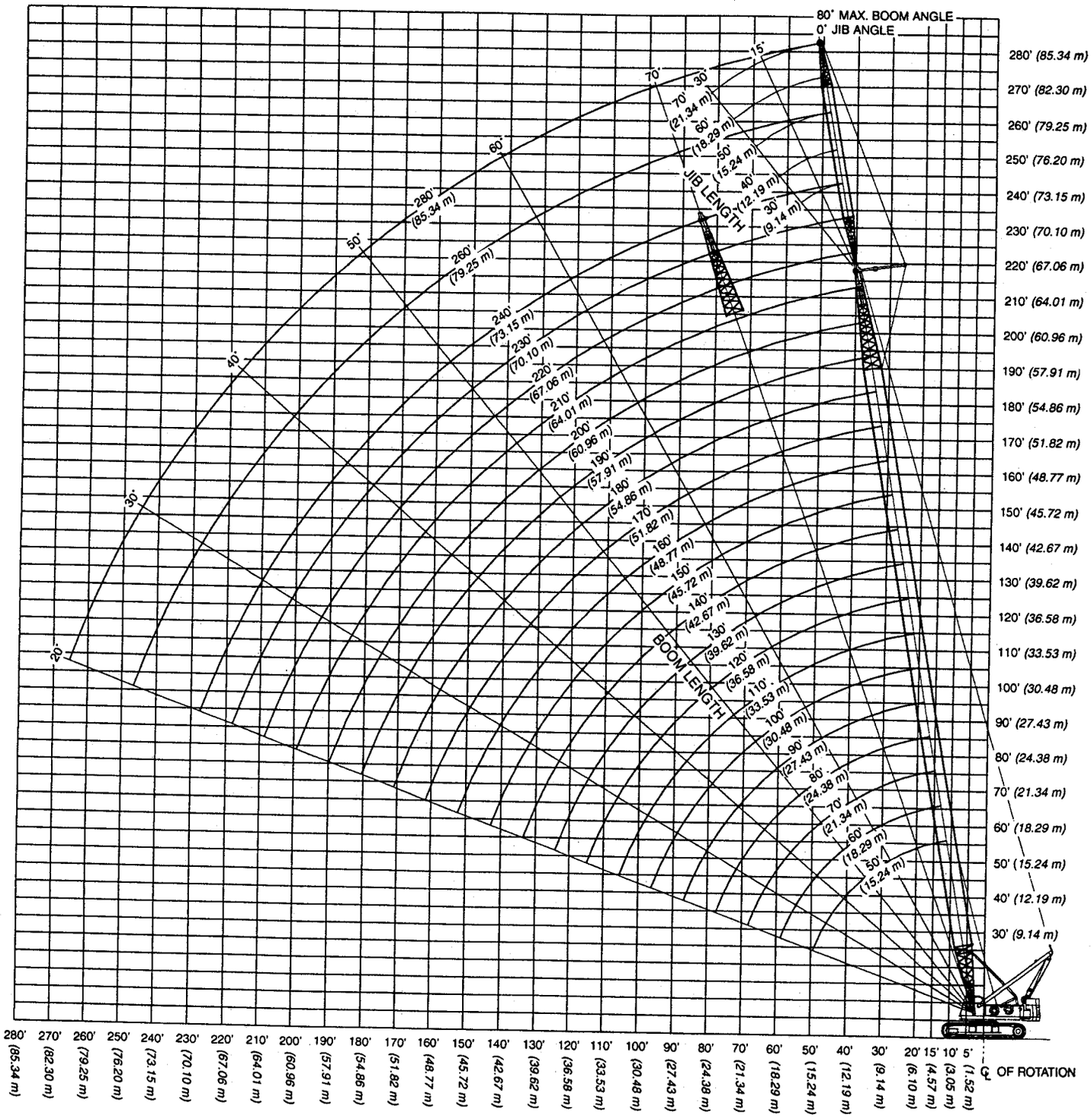
13. These capacities apply only to the crane as originally manufactured and normally equipped by Link-Belt Construction Equipment Company.





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LS-238H Tube Boom Working Range



OPERATING RADIUS

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CONSTRUCTION EQUIPMENT

LS – 238H

CRANE RATING MANUAL

– 62” x 70” TUBULAR BOOM
– 30’ OPEN THROAT PEAK SECTION
– 15’ HAMMERHEAD PEAK SECTION
– 1.375” DIAMETER PENDANTS
– WITH LIVE MAST
– LBCE CRAWLER LOWER, 15’–6” GAUGE AND 23’–10” OVERALL LENGTH

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SERIAL NUMBER_____

For Replacement, Order Part Number: F5P0004
(041598)

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⚠ WARNING

READ AND UNDERSTAND THE OPERATOR'S AND SAFETY MANUAL AND THE FOLLOWING INSTRUCTIONS AND CHART VALUES BEFORE OPERATING THE CRANE. OPERATION WHICH DOES NOT FOLLOW THESE INSTRUCTIONS MAY RESULT IN AN ACCIDENT.

OPERATING INSTRUCTIONS

GENERAL:

1. Rated lifting capacities in kips (1,000 pounds) as shown on lift charts pertain to this crane as originally manufactured and normally equipped by Link—Belt Construction Equipment Company. Modifications to the crane or use of optional equipment other than that specified can result in a reduction of capacity.
2. Construction equipment can be dangerous if improperly operated or maintained. Operation and maintenance of this crane must be in compliance with the information in the Operator's, Parts and Safety Manuals supplied with this crane. If these manuals are missing, order replacements through the distributor.
3. The operator and other personnel associated with this crane shall read and fully understand the latest applicable American National Standards Institute (ANSI) safety standards for cranes.
4. All capacities listed in this book are in compliance with ASME/ANSI B30.5—1994, SAE J987—April 1994, and SAE J765—October 1990.

LIFT CRANE OPERATION:

1. Capacities shown are in kips (1,000 pounds) and are not more than 75% of the tipping loads with the crane standing level on firm supporting surface. A deduction must be made from these capacities for weight of hook block, hook, sling, grapple, load weighing device, etc. When using main hook while jib is attached, reduce capacities by values shown on Capacity Deductions For Lifting Off Main Boom Hook With Jib Installed. When using main hook while 5' tip extension is attached, reduce capacities by values shown in Capacity Deductions For Lifting Off Main Hook With 5' Tip Extension installed. See Operator's Manual for all limitations when raising or lowering attachment.
2. The hammerhead boom is available only in a 35' length.
3. The crane capacities in the shaded areas are based on structural strength. The crane capacities in the non—shaded areas are based on stability ratings.
4. For recommended reeving, parts of line, wire rope type and wire rope inspection, see wire rope strength chart, Operator's Manual and Parts Manual.
5. Load ratings in this Crane Rating Manual are based on freely suspended loads and make no allowances for such factors as the effect of the wind, ground conditions, and operating speeds. The operator shall therefore reduce load ratings in order to take these conditions into account.
6. The 26' live mast must be used for all capacities in this Crane Rating Manual.
7. The least stable rated condition is over the end with **unblocked** sprockets/idlers.
8. The use of the 20K lower auxiliary counterweights increases wear on the lower and requires increased travel torque. Remove the lower counterweights for jobs requiring extensive jobsite travel.
9. The 10,000 lb auxiliary lower counterweights (20,000 lb total [listed as 20K in lift charts]) can be installed on the outside of each tread member assembly. The additional weight to the lower allows for increased lifting capacities in the stability ranges of the load chart. The open throat boom, tubular jib, and the hammerhead attachment capacities can be affected. (See Capacity Charts as Applicable.)
10. Do not operate at radii and boom lengths where the Crane Rating Manual lists no capacity. Do not use longer booms or jibs than those listed in this Crane Rating Manual. Any of the above can cause a tipping condition, or boom and jib failure.
11. See page 6 for liftoff capabilities.

FOR OVER END CAPACITIES ONLY

1. These capacities can be lifted over either end with the crane standing level on a firm supporting surface with **adequate blocking placed under the tread member sprockets/idlers**, to prevent rocking.
2. Do not travel with a load.

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WIRE ROPE CAPACITY CHART

Parts of Line	7/8”			Notes
	Type N	Type LB	Type RB	
1	22,740	25,020	17,520*	Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in this Crane Rating Manual. Study Operator’s Manual for wire rope inspection procedures.
2	45,480	50,050	35,040	
3	68,220	75,080	52,560	
4	90,970	100,110	70,080	
5	113,710	125,140	87,600	
6	136,450	150,170	105,120	
7	159,200	175,200	122,640	
8	181,940	200,220	140,160	
9	204,680	225,250	157,680	
10	227,420	250,280	175,200	
11	250,170	275,310	192,720	
12	272,910	300,340	210,240	
13	295,650	325,370	227,760	
14	318,400	350,400	245,280	

LBCE Type	Description
N	6 X 25 (6 X 19 Class) – Filler Wire – Extra Improved Plow Steel – Preformed – I.W.R.C. – Right Lay – Regular Lay
RB	Rotation Resistant – 19 Strand, Compacted Strand – Extra Extra Improved Plow Steel – Preformed – Right Lay – Regular Lay
LB	6 Strand, Compacted Strand – Seale or Warrington Seale – Preformed – I.W.R.C. – Right Lay – Regular Lay

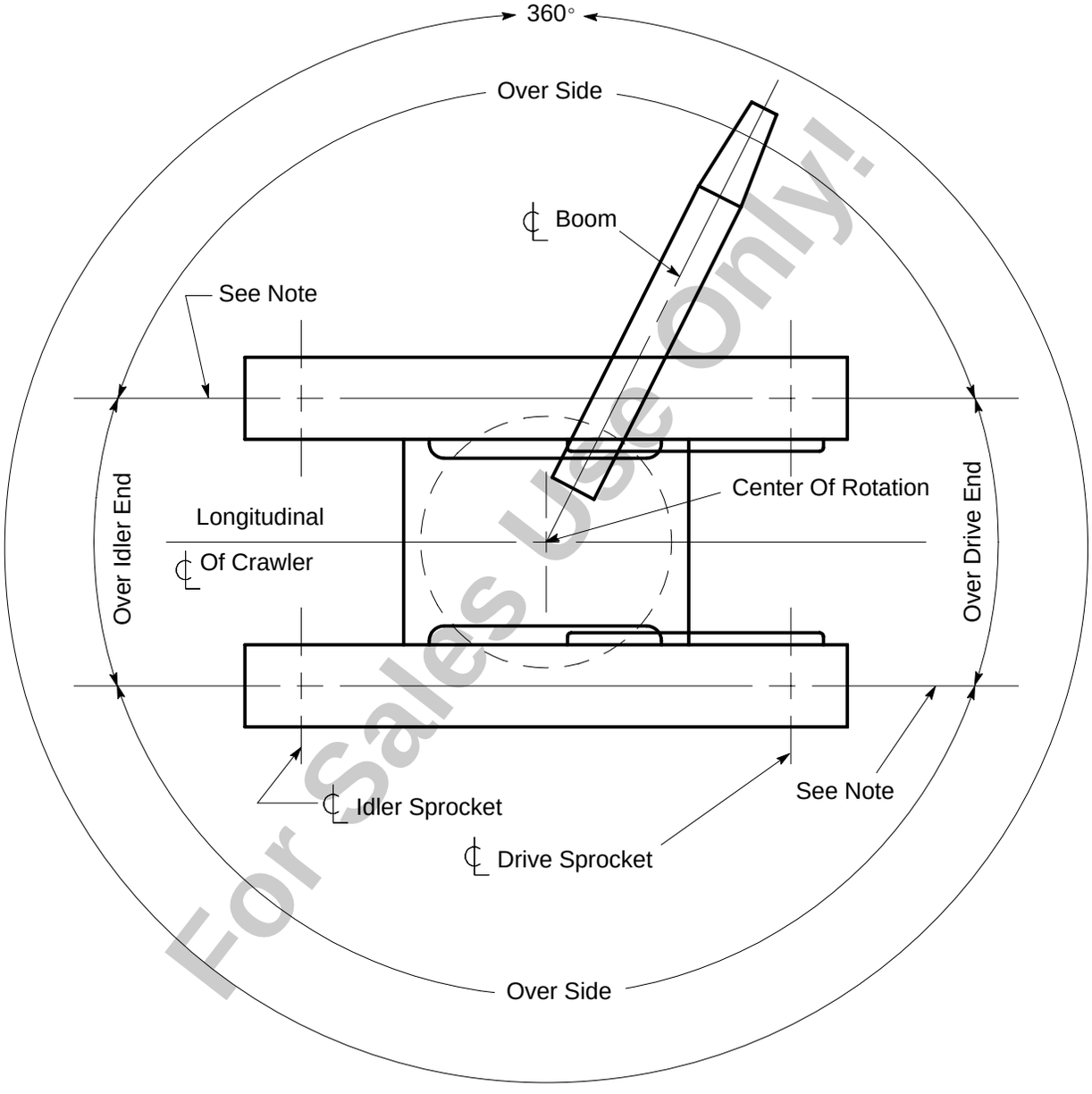
* Use of swivel end with 1 part of line is not recommended.

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WORKING AREAS



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Note:

1. These Lines Determine The Limiting Position Of Any Load For Operation Within Working Areas Indicated.

Working Areas Chart CD00785

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LIFTOFF CAPABILITIES*

Counterweight	Maximum Boom		Maximum Boom + Jib	
	Feet	Meters	Feet	Meters
NONE	160	*48.77*	N/A	*N/A*
A	190	*57.91*	N/A	*N/A*
AB	220	*67.06*	N/A	*N/A*
ABC	240	*73.15*	210 + 70	*64.01 + 21.34*

***NOTES:**
1. **Booms must be erected or lowered over the end with no load and adequate blocking placed under the tread sprockets/idlers to prevent rocking.**
2. **Crane on firm and level surface.**

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LIVE MAST LIFTING CAPACITIES – 360°

Live Mast		On Jacks Without Counterweight (lb)	On Crawlers With Or Without Counterweight (lb)
Radius (ft)	Angle (deg)		
10.0	74.3	50,000	50,000
11.0	72.0	50,000	50,000
12.0	69.6	50,000	50,000
13.0	67.3	49,400	50,000
14.0	64.9	43,300	50,000
15.0	62.5	38,500	50,000
16.0	59.9	34,500	50,000
17.0	57.3	31,400	50,000
18.0	54.6	28,700	50,000
19.0	51.9	26,300	50,000
20.0	49.0	24,400	50,000
25.0	32.0	17,500	50,000

NOTES:

1. **Refer to the Operator's Manual.**
2. **Live mast backstops must be in position and operative.**
3. **Use rear hoist drum only. Reeve hoist line to drum over live mast cross member.**
4. **Reeve hoist rope with three (3) parts of .875" diameter wire rope.**
5. **The crane shall be leveled on a firm supporting surface. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the pontoons to spread the load to a larger bearing surface.**
6. **On jack capacities are based on 85% stability.**
7. **See Crane Assembly Component Weight chart for weight of components for crane assembly.**

⚠ WARNING

Do not install counterweights onto upper while crane is on carbody jack cylinders. Side frames must be installed and crane setting on side frames with carbody jack cylinders retracted before installing the counterweights.

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CRANE ASSEMBLY COMPONENT WEIGHTS

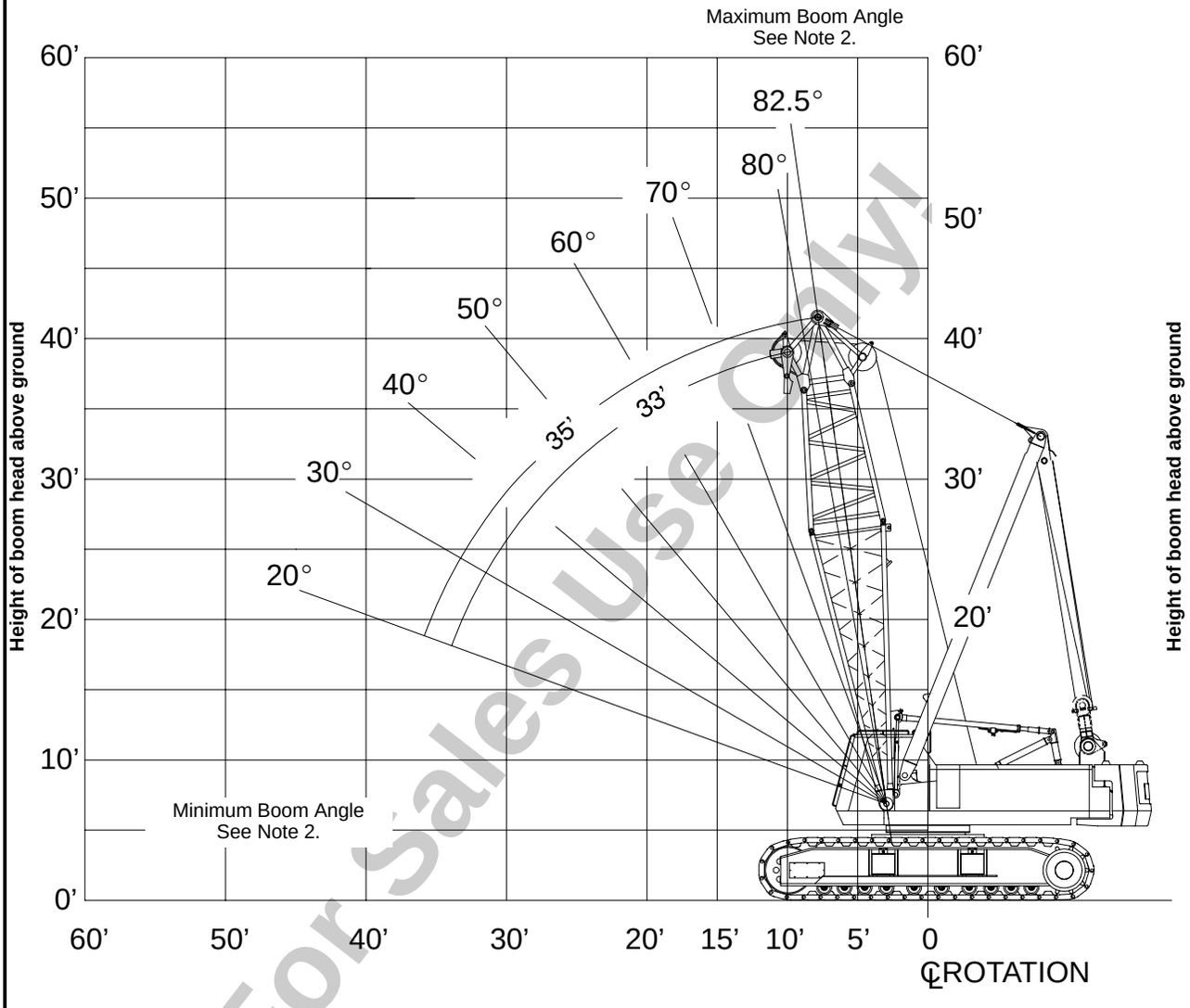
Component	Weight	
	lb	*kg*
1. 30’ Top Section With 6 Sheave Head Machinery	4,020	*1 823*
2. 10’ Boom Extension With Lifting Sheaves	2,040	*925*
3. 5’ Hammerhead With Head Machinery	3,500	*1 588*
4. 10’ Tapered Hammerhead Extension	1,500	*680*
5. 20’ Base Section	5,625	*2 552*
6. Boom Extensions	62 lb/ft	*92 kg/m*
7. Upper Counterweights		
• Counterweight ”A”	23,000	*10 433*
• Counterweight ”B”	19,330	*8 768*
• Counterweight ”C”	26,670	*12 098*
• Counterweight ”AB”	42,330	*19 201*
• Counterweight ”ABC”	69,000	*31 299*
8. Auxiliary Lower Counterweights (Each)	10,000	*4 536*
9. Counterweight Assist Frame	3,400	*1 542*
10. Side Frames (Each)	35,000	*15 876*
11. Carbody Jack Cylinders (Each)	560	*254*

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WORKING RANGE DIAGRAM

35’ HAMMERHEAD BOOM



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Notes:

1. **Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius and boom angle change must be accounted for when applying load to hook.**
2. **Maximum and minimum boom angles are equal to the values listed in the capacity chart for each boom length.**

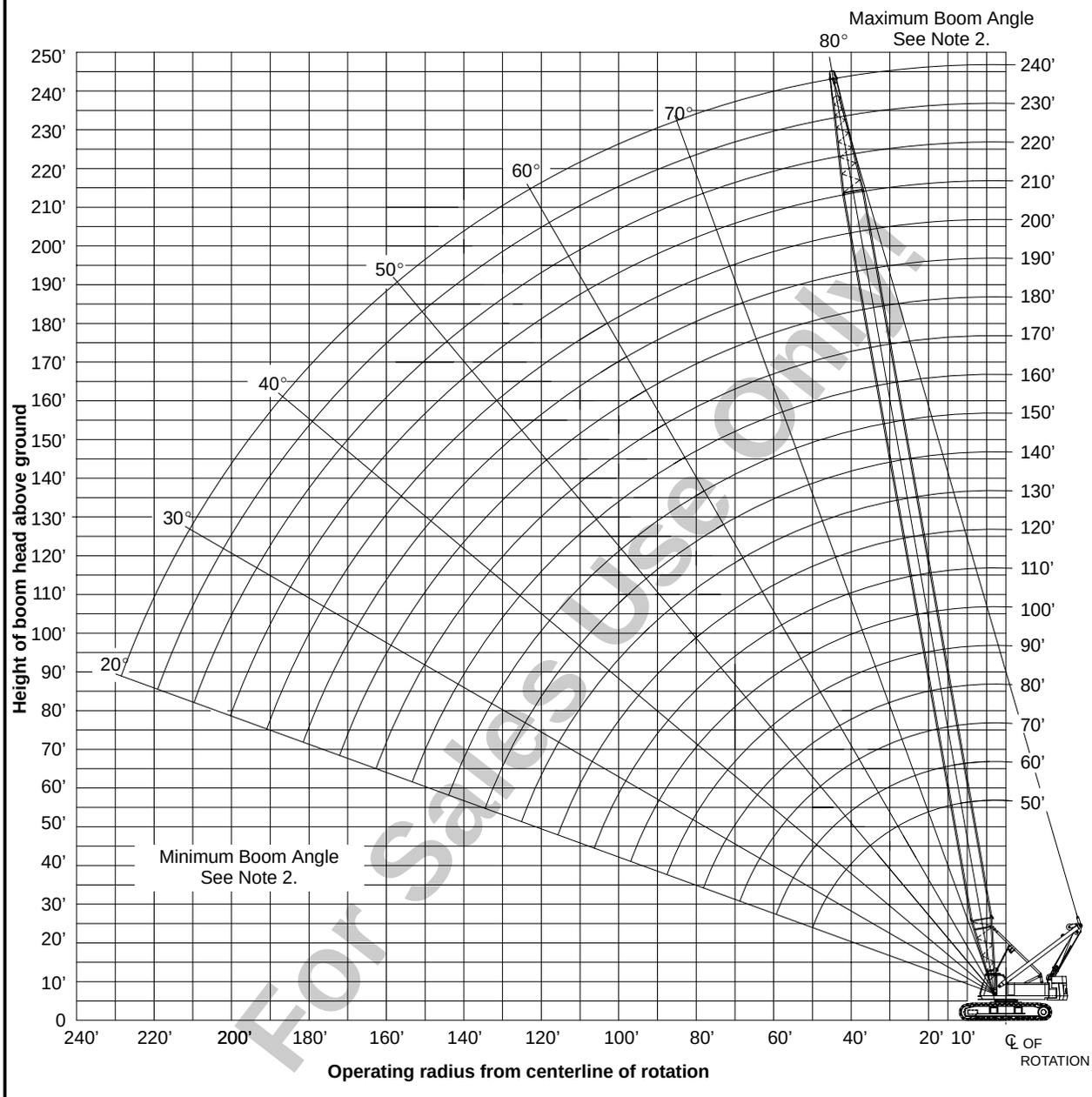
Working Range Diagram CD02114

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WORKING RANGE DIAGRAM

50’ TO 240’ OPEN THROAT BOOM



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Notes:

1. **Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius and boom angle change must be accounted for when applying load to hook.**
2. **Maximum and minimum boom angles are equal to the values listed in the capacity chart for each boom length.**

Working Range Diagram CD02115

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CAPACITIES FOR LIFTING WITH 10’ BOOM EXTENSION

1. Refer to Operator’s Manual.
2. Use front drum only. Reeve hoist line under mast cross member.
3. Reeve hoist rope with 2 parts of 7/8” diameter wire rope. See Operator’s Manual for correct procedure.
4. Caution: Counterweights must not be installed on upper when crane is supported on lower jack system. (not on crawlers).
5. Refer to “Crane Assembly Component Weights” for weights of components to be lifted.

CAPACITY CHART – 360°

BOOM		CAPACITY (LB)	
Radius (ft)	Angle (deg)	On Jacks Without Counterweight	On Crawlers With/Without Counterweight
7.0 – 13.0	85.5 – 71.1	45,000	45,000
14.0	68.6	39,600	45,000
15.0	66.1	35,100	45,000
16.0	63.4	31,400	45,000
17.0	60.7	28,200	45,000
18.0	57.9	25,600	45,000
19.0	55.0	23,300	45,000
20.0	51.9	21,400	45,000

OPEN THROAT BOOM ONLY CAPACITY DEDUCTIONS FOR LIFTING OFF MAIN BOOM HOOK WITH JIB INSTALLED

When using main boom hook, while jib is attached, reduce boom capacities by the values in the following chart:

Jib Length	Capacity Deduction (lb)
30’	1,900
40’	2,200
50’	2,500
60’	2,700
70’	3,000

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CAPACITY DEDUCTIONS FOR LIFTING OFF MAIN BOOM HOOK WITH 5' TIP EXTENSION INSTALLED

When using main boom hook, while 5' Tip Extension is attached, reduce boom capacities by the values in the following chart:

Tip Extension	Capacity Deduction (lb)
5'	1,100

MAXIMUM ALLOWABLE CAPACITIES FOR 5' TIP EXTENSION

LIFTING CAPACITY TO BE THE SMALLEST OF THE FOLLOWING VALUES:

1. 18,000 lb (tip extension structural capacity).
2. The standard crane lift capacity minus 1,100 lb for the boom length, tip extension load radius, and counterweight configuration in use on the crane.
3. The wire rope allowable pull from the wire rope strength chart.

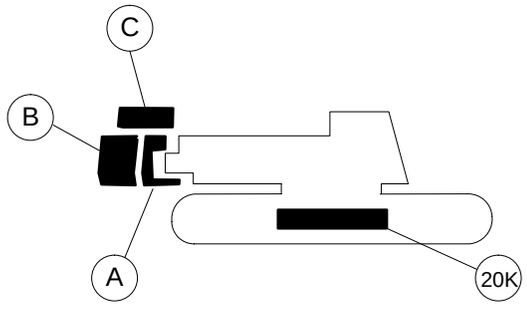
NOTES:

1. All notes listed on the standard lift crane capacity charts are to be adhered to.
2. Reduce the main boom lift capacities by 1,100 lb when the 5' tip extension is installed.
3. The maximum boom length on which the 5' tip extension can be installed is the same maximum boom length on which the jib can be installed. Consult Operator's Manual.
4. Do not lift or suspend a load from the 5' tip extension and main boom at the same time.

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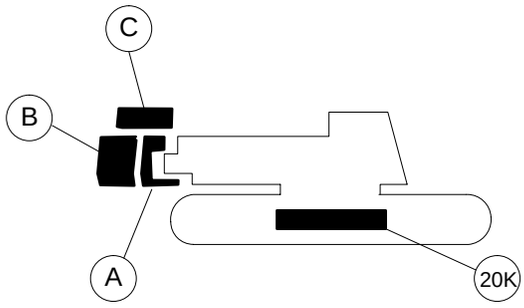
MAIN BOOM CAPACITIES – 35 FT HAMMERHEAD BOOM

Load Radius (ft)	Boom Angle (deg)	360° Rotation			Over End Blocked	Load Radius (ft)
		A B C+20K CTWT (kips)	A B CTWT (lb)	A CTWT (lb)	A B C+20K CTWT (lb)	
10	82.0	300.0	PROHIBITED		300.0	10
11	80.2	277.6			277.6	11
12	78.4	250.0			250.0	12
13	76.6	249.2			249.2	13
14	74.8	237.0			237.0	14
15	72.9	225.9			225.9	15
16	71.0	213.8			213.8	16
17	69.1	202.5			202.5	17
18	67.2	184.7			184.7	18
19	65.2	168.2			168.2	19
20	63.2	154.4			154.4	20
25	52.3	108.7			108.7	25
30	39.1	83.1			83.1	30
35	17.6	54.7			54.7	35

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MAIN BOOM CAPACITIES – 50 FT OPEN THROAT TUBE BOOM

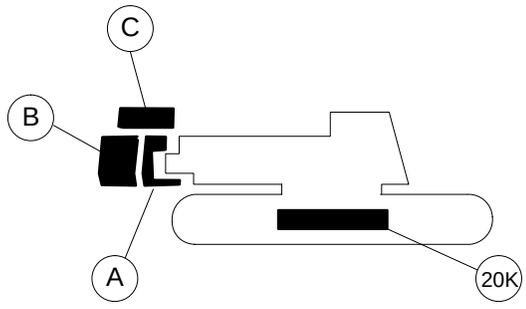
Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
12	79.6	250.0	250.0	235.3	181.5	250.0	250.0	250.0	12
13	78.4	250.0	236.9	212.2	148.4	250.0	250.0	250.0	13
14	77.2	238.0	221.1	179.5	125.3	238.0	238.0	238.0	14
15	76.1	227.1	197.4	155.3	108.3	227.1	227.1	227.1	15
16	74.9	215.3	174.0	136.8	95.3	215.3	215.3	215.3	16
17	73.7	201.1	155.5	122.1	84.9	203.3	203.3	203.3	17
18	72.5	181.8	140.4	110.2	76.5	192.5	192.5	192.5	18
19	71.3	165.8	128.0	100.4	69.5	175.3	182.7	182.7	19
20	70.1	152.3	117.5	92.1	63.7	161.0	173.9	173.9	20
25	63.8	107.8	82.9	64.6	44.3	114.1	140.0	140.0	25
30	57.3	82.9	63.5	49.3	33.5	87.8	110.0	116.4	30
35	50.1	67.1	51.1	39.5	26.6	71.1	87.3	93.1	35
40	42.2	56.0	42.5	32.7	21.7	59.4	72.1	76.9	40
50	19.8	41.6	31.3	23.8	15.4	44.2	46.8	46.8	50

Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 60 FT OPEN THROAT TUBE BOOM

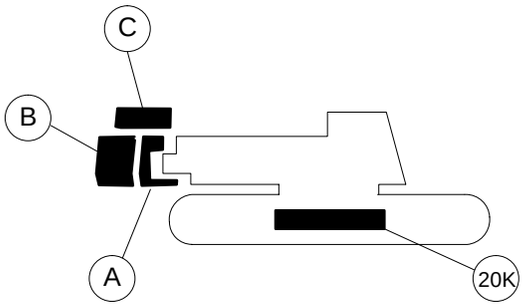
Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
14	79.4	234.7	220.6	180.2	126.1	234.7	234.7	234.7	14
15	78.4	226.5	198.1	156.0	109.0	226.5	226.5	226.5	15
16	77.4	214.9	174.6	137.4	95.8	214.9	214.9	214.9	16
17	76.5	201.7	156.0	122.7	85.4	202.9	202.9	202.9	17
18	75.5	182.3	140.9	110.7	77.0	192.2	192.2	192.2	18
19	74.5	166.2	128.4	100.8	70.0	175.7	182.5	182.5	19
20	73.5	152.7	117.9	92.5	64.1	161.4	173.7	173.7	20
25	68.4	108.1	83.1	64.9	44.6	114.4	139.6	139.6	25
30	63.2	83.2	63.8	49.6	33.7	88.1	110.3	116.4	30
35	57.7	67.3	51.4	39.8	26.8	71.3	87.6	93.3	35
40	51.9	56.2	42.8	32.9	21.9	59.6	72.3	77.2	40
50	38.4	41.9	31.6	24.0	15.6	44.5	53.2	56.8	50
60	18.1	32.9	24.5	18.4	11.6	35.0	38.5	38.5	60

Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 70 FT OPEN THROAT TUBE BOOM

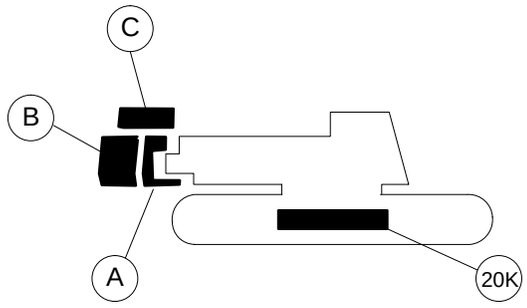
Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
16	79.3	211.2	176.0	138.8	97.2	211.2	211.2	211.2	16
17	78.4	202.9	157.3	123.9	86.7	203.0	203.0	203.0	17
18	77.6	183.4	142.0	111.8	78.1	192.3	192.3	192.3	18
19	76.7	167.2	129.4	101.8	71.0	176.8	182.6	182.6	19
20	75.9	153.6	118.8	93.4	65.0	162.4	173.8	173.8	20
25	71.6	108.8	83.8	65.6	45.3	115.1	139.8	139.8	25
30	67.3	83.7	64.3	50.1	34.3	88.6	111.0	116.6	30
35	62.8	67.7	51.8	40.2	27.2	71.7	88.1	93.9	35
40	58.0	56.6	43.2	33.3	22.3	60.0	72.8	77.6	40
50	47.8	42.2	31.9	24.4	16.0	44.8	53.5	57.1	50
60	35.4	33.2	24.8	18.8	11.9	35.3	41.9	44.8	60
70	16.7	27.0	19.9	14.8	9.1	28.7	34.0	36.4	70

Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 80 FT OPEN THROAT TUBE BOOM

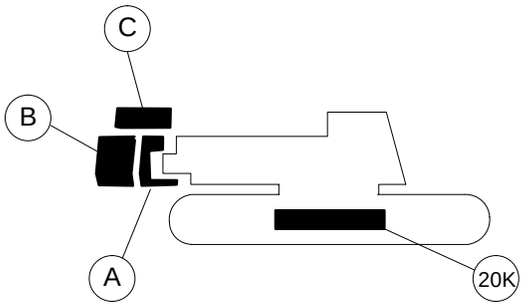
Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
17	79.9	190.4	157.5	124.1	86.9	190.4	190.4	190.4	17
18	79.2	183.6	142.2	112.0	78.3	188.0	188.0	188.0	18
19	78.4	167.4	129.6	102.0	71.2	176.9	182.0	182.0	19
20	77.7	153.8	119.0	93.5	65.2	162.5	173.3	173.3	20
25	74.0	108.8	83.9	65.7	45.4	115.1	139.5	139.5	25
30	70.2	83.7	64.3	50.1	34.3	88.6	111.1	116.3	30
35	66.4	67.7	51.8	40.2	27.2	71.7	88.2	93.9	35
40	62.4	56.6	43.1	33.3	22.3	60.0	72.8	77.6	40
50	54.0	42.2	31.9	24.3	15.9	44.8	53.5	57.2	50
60	44.5	33.2	24.8	18.7	11.9	35.3	41.9	44.8	60
70	33.1	27.0	20.0	14.9	9.2	28.8	34.1	36.5	70
80	15.6	22.5	16.4	12.0	7.1	24.0	28.4	30.4	80

Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 90 FT OPEN THROAT TUBE BOOM

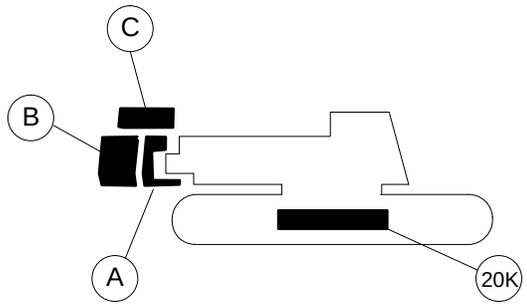
Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
19	79.7	167.5	129.7	102.1	71.2	170.7	170.7	170.7	19
20	79.1	153.8	119.0	93.6	65.2	162.6	168.5	168.5	20
25	75.8	108.8	83.9	65.7	45.4	115.1	139.0	139.0	25
30	72.5	83.7	64.3	50.1	34.3	88.6	111.1	116.0	30
35	69.1	67.7	51.8	40.1	27.2	71.7	88.2	93.9	35
40	65.7	56.5	43.1	33.2	22.2	59.9	72.8	77.6	40
50	58.5	42.1	31.8	24.3	15.8	44.7	53.5	57.1	50
60	50.7	33.1	24.8	18.7	11.9	35.2	41.8	44.7	60
70	41.8	27.0	20.0	14.8	9.1	28.7	34.0	36.4	70
80	31.1	22.5	16.4	12.0	7.1	24.0	28.4	30.4	80
90	14.7	19.0	13.7	9.8	5.5	20.4	24.1	25.9	90

Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 100 FT OPEN THROAT TUBE BOOM

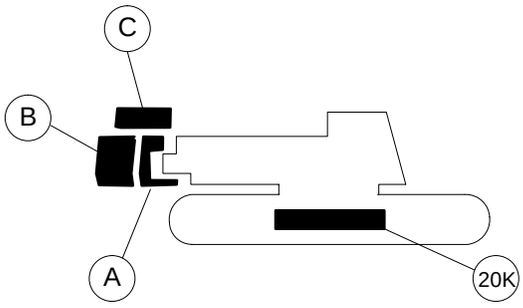
Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
21	79.6	142.2	110.0	86.4	60.1	150.3	154.0	154.0	21
25	77.3	108.8	83.9	65.7	45.3	115.1	138.5	138.5	25
30	74.3	83.6	64.2	50.0	34.2	88.5	111.1	115.6	30
35	71.3	67.6	51.7	40.0	27.1	71.6	88.1	93.9	35
40	68.3	56.4	43.0	33.1	22.1	59.8	72.7	77.5	40
50	61.9	42.0	31.7	24.1	15.7	44.6	53.4	57.0	50
60	55.2	33.0	24.6	18.5	11.7	35.1	41.7	44.6	60
70	47.9	26.9	19.8	14.7	9.0	28.6	33.9	36.3	70
80	39.6	22.4	16.3	11.9	7.0	23.9	28.3	30.4	80
90	29.5	19.0	13.7	9.8	5.4	20.3	24.0	25.9	90
100	14.0	16.2	11.5	8.0	4.2	17.4	20.7	22.3	100

Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 110 FT OPEN THROAT TUBE BOOM

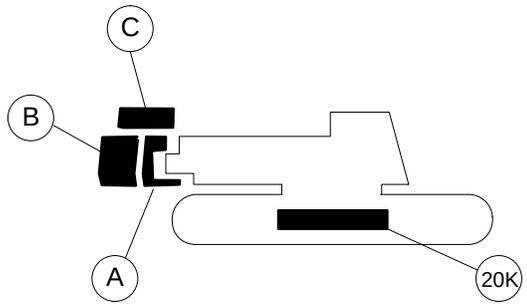
Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
23	79.5	123.3	95.2	74.7	51.7	130.4	139.7	139.7	23
25	78.4	108.7	83.8	65.6	45.3	115.0	136.2	136.2	25
30	75.8	83.5	64.1	49.9	34.1	88.4	111.0	115.1	30
35	73.1	67.4	51.5	39.9	27.0	71.5	88.0	93.8	35
40	70.3	56.3	42.8	33.0	22.0	59.7	72.6	77.4	40
50	64.7	41.8	31.5	24.0	15.6	44.4	53.3	56.9	50
60	58.8	32.8	24.5	18.4	11.6	34.9	41.6	44.5	60
70	52.4	26.7	19.7	14.6	8.8	28.5	33.8	36.2	70
80	45.5	22.2	16.2	11.8	6.8	23.8	28.2	30.2	80
90	37.7	18.9	13.5	9.7	5.3	20.2	23.9	25.7	90
100	28.1	16.2	11.4	8.0	4.1	17.4	20.6	22.2	100
110	13.3	13.9	9.7	6.5	3.0	15.0	17.9	19.3	110

Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 120 FT OPEN THROAT TUBE BOOM

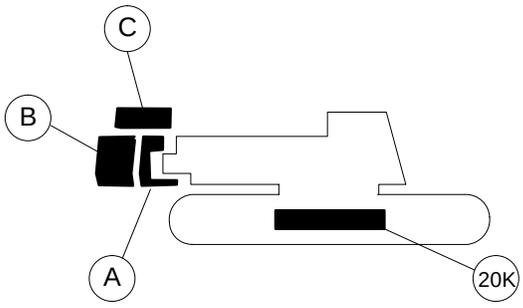
Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
24	79.9	115.5	89.1	69.8	48.2	122.2	128.0	128.0	24
25	79.4	108.7	83.7	65.5	45.2	114.9	126.8	126.8	25
30	77.0	83.4	64.0	49.8	34.0	88.3	111.0	112.5	30
35	74.5	67.3	51.4	39.8	26.8	71.3	87.9	93.7	35
40	72.0	56.1	42.7	32.8	21.9	59.5	72.5	77.3	40
50	66.9	41.7	31.4	23.8	15.4	44.3	53.1	56.7	50
60	61.6	32.7	24.3	18.2	11.4	34.8	41.4	44.3	60
70	56.0	26.5	19.5	14.4	8.7	28.3	33.6	36.0	70
80	50.1	22.1	16.0	11.6	6.7	23.6	28.0	30.1	80
90	43.5	18.7	13.4	9.5	5.2	20.0	23.8	25.6	90
100	36.0	16.0	11.3	7.8	3.9	17.2	20.5	22.1	100
110	26.9	13.8	9.6	6.4	2.9	14.9	17.8	19.3	110
120	12.7	12.0	8.1	5.3	2.1	13.0	15.6	16.9	120

Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 130 FT OPEN THROAT TUBE BOOM

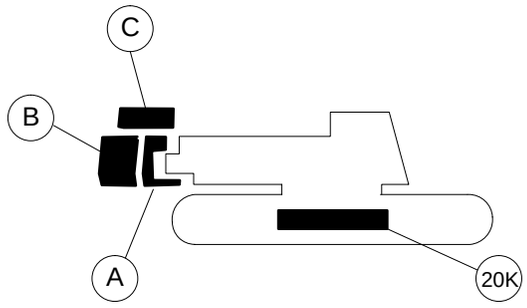
Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
26	79.8	102.4	78.8	61.6	42.4	108.4	116.7	116.7	26
30	78.0	83.3	63.9	49.7	33.9	88.2	108.7	108.7	30
35	75.7	67.2	51.3	39.7	26.7	71.2	87.8	93.6	35
40	73.4	56.0	42.5	32.7	21.7	59.4	72.4	77.2	40
50	68.8	41.5	31.2	23.7	15.2	44.1	53.0	56.6	50
60	64.0	32.5	24.1	18.0	11.2	34.6	41.3	44.2	60
70	59.0	26.3	19.3	14.2	8.5	28.1	33.4	35.9	70
80	53.7	21.9	15.8	11.4	6.5	23.4	27.8	29.9	80
90	48.0	18.5	13.2	9.3	5.0	19.8	23.6	25.4	90
100	41.7	15.8	11.1	7.6	3.8	17.0	20.3	21.9	100
110	34.6	13.7	9.4	6.3	2.8	14.8	17.6	19.1	110
120	25.8	11.9	8.0	5.1	–	12.9	15.5	16.8	120
130	12.2	10.3	6.7	4.1	–	11.2	13.6	14.8	130

Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 140 FT OPEN THROAT TUBE BOOM

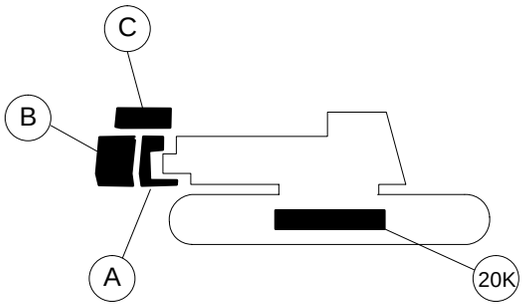
Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
28	79.7	91.8	70.5	55.0	37.6	97.2	105.9	105.9	28
30	78.9	83.2	63.8	49.6	33.7	88.1	104.3	104.3	30
35	76.8	67.0	51.1	39.5	26.5	71.0	87.7	90.8	35
40	74.7	55.8	42.4	32.5	21.5	59.2	72.2	77.1	40
50	70.4	41.3	31.0	23.5	15.1	43.9	52.8	56.4	50
60	66.0	32.3	23.9	17.8	11.0	34.4	41.1	44.0	60
70	61.4	26.1	19.1	14.0	8.3	27.9	33.3	35.7	70
80	56.6	21.7	15.6	11.2	6.3	23.2	27.6	29.7	80
90	51.6	18.3	13.0	9.1	4.8	19.6	23.4	25.2	90
100	46.1	15.6	10.9	7.4	3.6	16.8	20.1	21.7	100
110	40.1	13.5	9.2	6.1	2.6	14.6	17.5	18.9	110
120	33.3	11.7	7.8	5.0	–	12.7	15.3	16.6	120
130	24.8	10.2	6.6	4.0	–	11.1	13.4	14.7	130
140	11.8	8.9	5.6	3.1	–	9.7	11.9	13.0	140

Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 150 FT OPEN THROAT TUBE BOOM

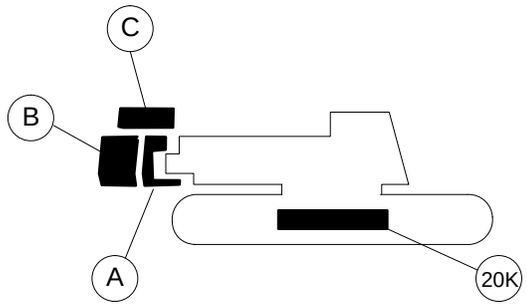
Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
30	79.6	83.0	63.6	49.4	33.6	87.9	97.0	97.0	30
35	77.7	66.9	51.0	39.3	26.4	70.9	87.6	88.7	35
40	75.7	55.6	42.2	32.3	21.4	59.0	72.1	76.9	40
50	71.7	41.1	30.8	23.3	14.9	43.7	52.6	56.3	50
60	67.6	32.1	23.7	17.6	10.8	34.2	40.9	43.8	60
70	63.4	25.9	18.9	13.8	8.1	27.7	33.1	35.5	70
80	59.1	21.5	15.4	11.0	6.1	23.0	27.4	29.5	80
90	54.5	18.1	12.8	8.9	4.6	19.4	23.2	25.0	90
100	49.7	15.4	10.7	7.2	3.4	16.6	19.9	21.5	100
110	44.5	13.3	9.0	5.9	2.4	14.4	17.3	18.7	110
120	38.7	11.5	7.6	4.7	–	12.5	15.1	16.4	120
130	32.1	10.0	6.4	3.8	–	10.9	13.3	14.5	130
140	24.0	8.7	5.4	3.0	–	9.5	11.7	12.8	140
150	11.4	7.6	4.5	2.2	–	8.3	10.3	11.4	150

Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 160 FT OPEN THROAT TUBE BOOM

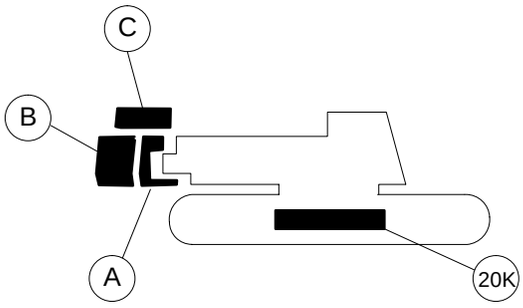
Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
31	79.9	79.1	60.5	46.9	31.8	83.8	88.6	88.6	31
35	78.4	66.7	50.8	39.2	26.2	70.7	86.0	86.0	35
40	76.6	55.5	42.0	32.2	21.2	58.9	72.0	75.7	40
50	72.9	40.9	30.6	23.1	14.7	43.5	52.5	56.1	50
60	69.1	31.9	23.5	17.4	10.6	34.0	40.7	43.6	60
70	65.2	25.7	18.7	13.6	7.9	27.5	32.9	35.3	70
80	61.2	21.3	15.2	10.8	5.9	22.8	27.2	29.3	80
90	57.0	17.9	12.6	8.7	4.3	19.2	23.0	24.8	90
100	52.7	15.2	10.5	7.0	3.1	16.4	19.7	21.3	100
110	48.0	13.1	8.8	5.7	2.2	14.1	17.1	18.5	110
120	43.0	11.3	7.4	4.5	–	12.3	14.9	16.2	120
130	37.4	9.8	6.2	3.6	–	10.7	13.1	14.3	130
140	31.1	8.5	5.2	2.8	–	9.3	11.5	12.6	140
150	23.2	7.4	4.3	2.1	–	8.2	10.2	11.2	150
160	11.0	6.4	3.5	–	–	7.1	9.0	9.9	160

Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 170 FT OPEN THROAT TUBE BOOM

Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
33	79.8	72.3	55.1	42.6		76.6	81.3	81.3	33
35	79.1	66.5	50.6	39.0		70.5	80.1	80.1	35
40	77.4	55.3	41.8	32.0		58.7	71.8	73.4	40
50	73.9	40.7	30.4	22.9		43.3	52.3	55.9	50
60	70.4	31.7	23.3	17.2		33.8	40.5	43.4	60
70	66.8	25.5	18.5	13.4		27.3	32.7	35.1	70
80	63.0	21.0	15.0	10.6		22.6	27.0	29.1	80
90	59.2	17.6	12.3	8.4		19.0	22.8	24.6	90
100	55.2	15.0	10.2	6.8		16.2	19.5	21.1	100
110	51.0	12.8	8.5	5.4		13.9	16.8	18.3	110
120	46.5	11.1	7.2	4.3		12.0	14.7	16.0	120
130	41.6	9.6	6.0	3.4		10.5	12.8	14.1	130
140	36.3	8.3	5.0	2.6		9.1	11.3	12.4	140
150	30.1	7.2	4.1	–		8.0	10.0	11.0	150
160	22.5	6.2	3.3	–		6.9	8.8	9.8	160
170	10.7	5.3	2.6	–		6.0	7.7	8.5	170

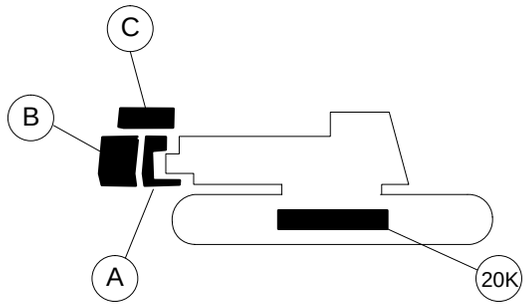
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Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 180 FT OPEN THROAT TUBE BOOM

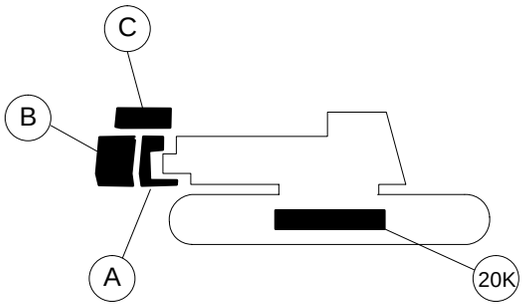
Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
35	79.7	66.4	50.4	38.8	PROHIBITED	70.4	71.6	71.6	35
40	78.1	55.1	41.6	31.8		58.5	71.1	71.1	40
50	74.8	40.5	30.2	22.7		43.1	52.1	55.7	50
60	71.5	31.4	23.1	17.0		33.6	40.3	43.2	60
70	68.1	25.3	18.3	13.1		27.0	32.4	34.9	70
80	64.7	20.8	14.8	10.3		22.3	26.8	28.9	80
90	61.1	17.4	12.1	8.2		18.8	22.6	24.4	90
100	57.4	14.7	10.0	6.5		15.9	19.3	20.9	100
110	53.5	12.6	8.3	5.2		13.7	16.6	18.1	110
120	49.4	10.8	6.9	4.1		11.8	14.4	15.8	120
130	45.1	9.3	5.8	3.1		10.2	12.6	13.8	130
140	40.4	8.1	4.8	2.3		8.9	11.1	12.2	140
150	35.2	7.0	3.9	–		7.7	9.8	10.8	150
160	29.3	6.0	3.1	–		6.7	8.6	9.6	160
170	21.9	5.2	2.5	–		5.8	7.6	8.5	170
180	10.4	4.4	–	–		5.0	6.6	7.1	180

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MAIN BOOM CAPACITIES – 190 FT OPEN THROAT TUBE BOOM

Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
36	80.0	62.7	48.3	37.0		62.7	62.7	62.7	36
40	78.8	54.9	41.4	31.6		58.3	62.4	62.4	40
50	75.7	40.3	30.0	22.5		42.9	51.9	55.5	50
60	72.5	31.2	22.9	16.8		33.3	40.1	43.0	60
70	69.3	25.1	18.0	12.9		26.8	32.2	34.6	70
80	66.1	20.6	14.5	10.1		22.1	26.6	28.7	80
90	62.7	17.2	11.9	8.0		18.5	22.3	24.2	90
100	59.3	14.5	9.8	6.3		15.7	19.0	20.6	100
110	55.7	12.4	8.1	5.0		13.4	16.4	17.8	110
120	52.0	10.6	6.7	3.8		11.6	14.2	15.5	120
130	48.0	9.1	5.5	2.9		10.0	12.4	13.6	130
140	43.8	7.8	4.5	2.1		8.7	10.9	12.0	140
150	39.3	6.7	3.7	–		7.5	9.5	10.6	150
160	34.3	5.8	2.9	–		6.5	8.4	9.3	160
170	28.5	4.9	2.2	–		5.6	7.4	8.3	170
180	21.3	4.2	–	–		4.8	6.4	7.3	180
190	10.1	3.5	–	–		4.1	5.6	5.9	190

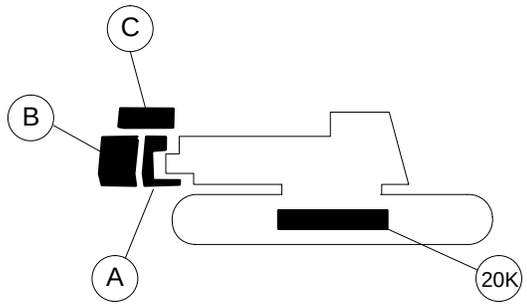
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Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 200 FT OPEN THROAT TUBE BOOM

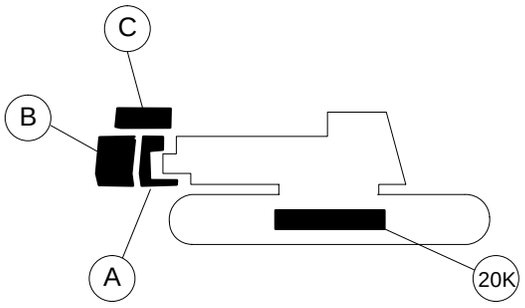
Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
38	79.9	55.4	44.4			55.4	55.4	55.4	38
40	79.3	54.7	41.2			55.4	55.4	55.4	40
50	76.4	40.1	29.8			42.7	51.3	51.3	50
60	73.4	31.0	22.7			33.1	39.9	42.8	60
70	70.4	24.8	17.8			26.6	32.0	34.4	70
80	67.3	20.3	14.3			21.9	26.4	28.4	80
90	64.2	16.9	11.6			18.3	22.1	23.9	90
100	61.0	14.3	9.5			15.5	18.8	20.4	100
110	57.6	12.1	7.8			13.2	16.1	17.6	110
120	54.2	10.3	6.4	PROHIBITED		11.3	14.0	15.3	120
130	50.6	8.9	5.3			9.8	12.2	13.4	130
140	46.7	7.6	4.3			8.4	10.6	11.7	140
150	42.7	6.5	3.4			7.3	9.3	10.3	150
160	38.3	5.5	2.7			6.3	8.1	9.1	160
170	33.4	4.7	2.0			5.4	7.1	8.0	170
180	27.7	4.0	–			4.6	6.2	7.1	180
190	20.7	3.3	–			3.9	5.4	6.2	190
200	9.9	2.6	–			3.2	4.7	4.7	200

Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 210 FT OPEN THROAT TUBE BOOM

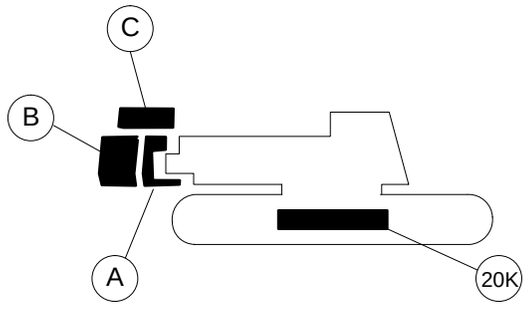
Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
40	79.8	49.3	41.0			49.3	49.3	49.3	40
50	77.1	39.9	29.6			42.5	45.6	45.6	50
60	74.2	30.8	22.4			32.9	39.7	40.4	60
70	71.4	24.6	17.6			26.4	31.8	34.2	70
80	68.5	20.1	14.1			21.6	26.1	28.2	80
90	65.5	16.7	11.4			18.0	21.9	23.7	90
100	62.5	14.0	9.3			15.2	18.6	20.2	100
110	59.4	11.9	7.6			13.0	15.9	17.4	110
120	56.1	10.1	6.2			11.1	13.7	15.1	120
130	52.8	8.6	5.0	PROHIBITED		9.5	11.9	13.1	130
140	49.3	7.3	4.0			8.2	10.4	11.5	140
150	45.6	6.3	3.2			7.0	9.1	10.1	150
160	41.6	5.3	2.4			6.0	7.9	8.9	160
170	37.3	4.5	–			5.1	6.9	7.8	170
180	32.5	3.7	–			4.4	6.0	6.8	180
190	27.0	3.1	–			3.7	5.2	6.0	190
200	20.2	2.4	–			3.0	4.5	5.2	200
210	9.6	–	–			2.4	3.6	3.6	210

Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 220 FT OPEN THROAT TUBE BOOM

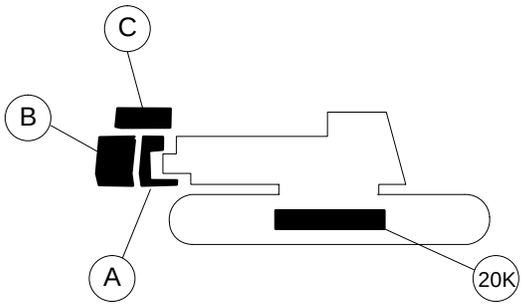
Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
42	79.8	43.3	38.0			43.3	43.3	43.3	42
50	77.7	39.6	29.3			40.3	40.3	40.3	50
60	75.0	30.5	22.2			32.7	36.3	36.3	60
70	72.3	24.4	17.3			26.1	31.6	32.2	70
80	69.5	19.9	13.8			21.4	25.9	28.0	80
90	66.7	16.5	11.1			17.8	21.6	23.5	90
100	63.8	13.8	9.0			15.0	18.3	19.9	100
110	60.9	11.6	7.3			12.7	15.7	17.1	110
120	57.9	9.9	6.0			10.8	13.5	14.8	120
130	54.7	8.4	4.8	**PROHIBITED**		9.3	11.7	12.9	130
140	51.5	7.1	3.8			7.9	10.1	11.2	140
150	48.1	6.0	2.9			6.8	8.8	9.8	150
160	44.5	5.1	2.2			5.8	7.7	8.6	160
170	40.6	4.2	–			4.9	6.6	7.6	170
180	36.4	3.5	–			4.1	5.7	6.6	180
190	31.8	2.8	–			3.4	4.9	5.8	190
200	26.4	2.2	–			2.8	4.2	5.0	200
210	19.8	–	–			2.2	3.6	4.1	210
220	9.4	–	–			–	2.6	2.6	220

Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 230 FT OPEN THROAT TUBE BOOM

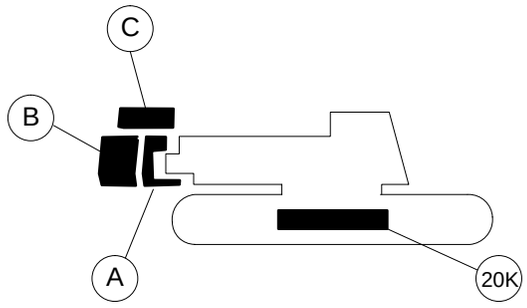
Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
43	80.0	38.7	PROHIBITED			38.7	38.7	38.7	43
50	78.2	36.1				36.1	36.1	36.1	50
60	75.6	30.3				32.4	32.5	32.5	60
70	73.1	24.1				25.9	28.8	28.8	70
80	70.4	19.6				21.1	25.7	25.7	80
90	67.8	16.2				17.6	21.4	22.5	90
100	65.0	13.5				14.7	18.1	19.7	100
110	62.3	11.4				12.5	15.4	16.9	110
120	59.4	9.6				10.6	13.2	14.6	120
130	56.5	8.1				9.0	11.4	12.6	130
140	53.4	6.8				7.7	9.9	11.0	140
150	50.3	5.8				6.5	8.6	9.6	150
160	46.9	4.8				5.5	7.4	8.4	160
170	43.4	4.0				4.6	6.4	7.3	170
180	39.7	3.2				3.9	5.5	6.4	180
190	35.6	2.6				3.2	4.7	5.5	190
200	31.0	2.0				2.5	4.0	4.0	200
210	25.8	–				2.0	2.6	2.6	210
220	19.3	–				–	–	–	220
230	9.2	–				–	–	–	230

Note: Refer To Page 11 For "Capacity Deductions" Caused By Any Jib Attachment Or Tip Extension.

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MAIN BOOM CAPACITIES – 240 FT OPEN THROAT TUBE BOOM

Load Radius (ft)	Boom Angle (deg)	360° Rotation					Over End Blocked		Load Radius (ft)
		A B C+0 CTWT (kips)	A B+0 CTWT (kips)	A+0 CTWT (kips)	NO CTWT (kips)	ABC+20K CTWT (kips)	A B C+0 CTWT (kips)	A B C +20K CTWT (kips)	
45	79.9	34.0				34.0	34.0	34.0	45
50	78.7	32.3				32.3	32.3	32.3	50
60	76.2	29.1				29.1	29.1	29.1	60
70	73.8	23.9				25.6	25.8	25.8	70
80	71.3	19.4				20.9	22.4	22.4	80
90	68.7	16.0				17.3	20.0	20.0	90
100	66.1	13.3				14.5	17.8	17.9	100
110	63.5	11.1				12.2	15.2	16.1	110
120	60.8	9.3				10.3	13.0	14.3	120
130	58.0	7.9				8.8	11.2	12.4	130
140	55.2	6.6		PROHIBITED		7.4	9.6	10.6	140
150	52.2	5.5				6.3	8.3	9.1	150
160	49.1	4.6				5.3	7.2	7.7	160
170	45.9	3.7				4.4	6.1	6.5	170
180	42.5	3.0				3.6	5.3	5.5	180
190	38.8	2.3				2.9	4.0	4.0	190
200	34.8	–				2.3	2.6	2.6	200
210	30.4	–				–	–	–	210
220	25.3	–				–	–	–	220
230	18.9	–				–	–	–	230
240	9.0	–				–	–	–	240

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TUBULAR JIB NOTES FOR OPEN THROAT BOOM

1. Capacities are for a LS – 238H crawler crane with ABC (69,000 lb) counterweight. The auxiliary lower counterweights (10,000 lb each, total 20,000 lb) can also be used as applicable. They are listed in the charts as “ABC+20”.
2. Capacities are for on crawler working areas for 360°, described on the working area chart found in the General Information Section of this Crane Rating Manual and are based on crane standing level on firm supporting surface.
3. Capacities are limited to a LBCE 62” x 70” tubular boom with an open throat and a LBCE 30” x 36” cross–section jib with a jib mast properly assembled.
4. Two parts of .875” Diameter Type ”N” or Type ”RB” wire rope are required for maximum lift.
5. Capacities are for 30’, 40’, 50’, 60’, and 70’ jib lengths only.
6. A jib cannot be used on open throat boom lengths longer than 210’.
7. The least stable condition is over the end with unblocked tread sprockets/idlers.
8. All capacities are in kips (1,000 pounds) and are not more than 75% of the tipping loads. Those capacities followed by an asterisk (*) are governed by factors other than those that would cause a tipping condition.
9. A deduction must be made from the jib capacities for the weight of the following: Main boom hook block or hook ball, jib hook block or hook ball, slings, grapple, load weighing devices, etc.

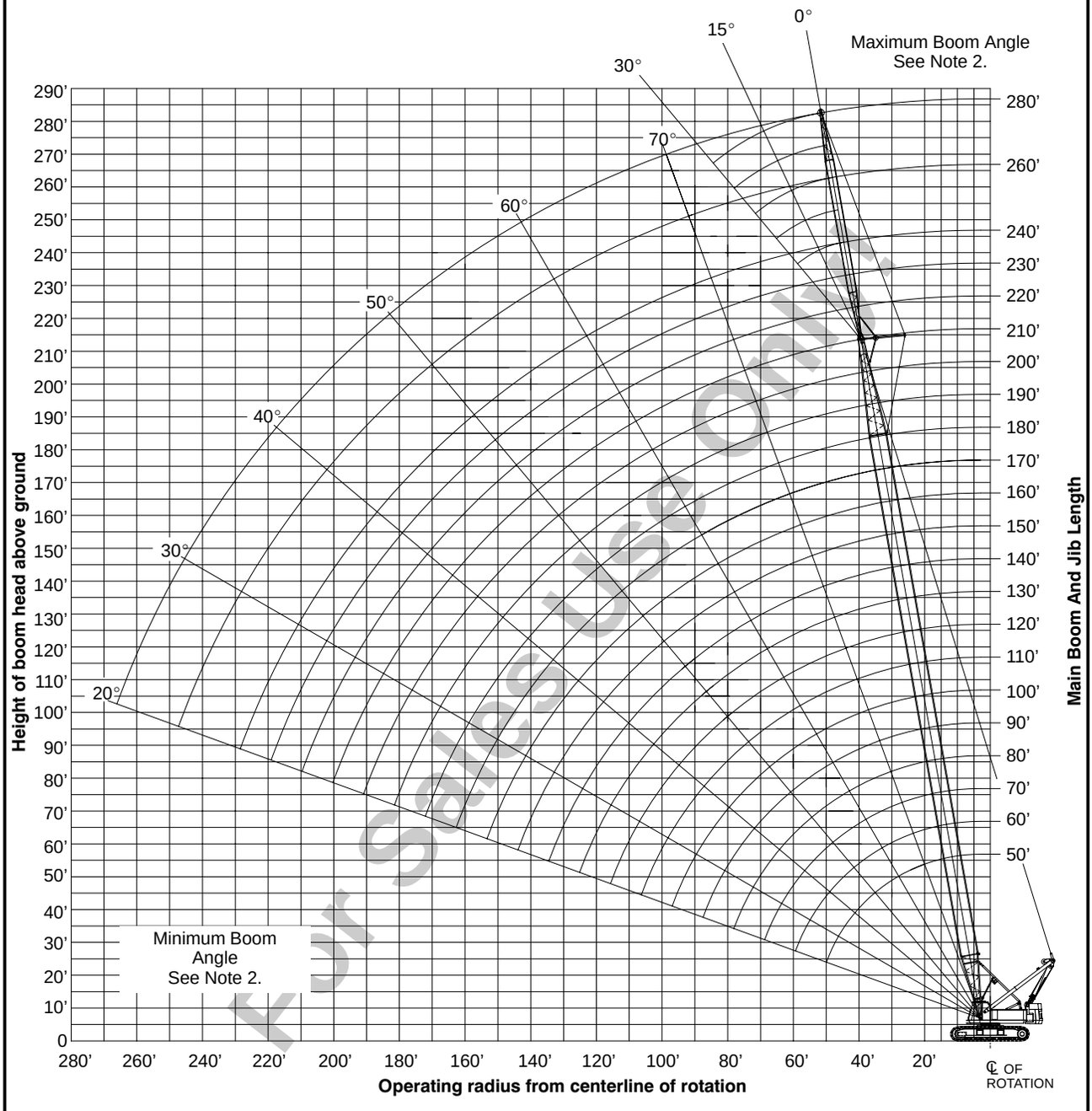
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WORKING RANGE DIAGRAM

50’ TO 210’ MAIN BOOM WITH 30’ TO 70’ JIB



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Notes:

1. **Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius and boom angle change must be accounted for when applying load to hook.**
2. **Maximum and minimum boom angles are equal to the values listed in the capacity chart for each boom length.**

Working Range Diagram CD00784

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Deg Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Deg Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
50	30	17	79.9	85.6	30.0 *	30.0 *								
50	30	18	79.2	85.4	29.8 *	29.8 *								
50	30	19	78.4	85.2	29.6 *	29.6 *								
50	30	20	77.7	84.9	29.4 *	29.4 *								
50	30	25	74.0	83.7	28.3 *	28.3 *	79.5	83.6	26.4 *	26.4 *				
50	30	30	70.2	82.0	27.2 *	27.2 *	75.7	82.0	25.4 *	25.4 *				
50	30	35	66.4	80.0	26.1 *	26.1 *	71.8	80.1	24.3 *	24.3 *	76.7	78.7	21.3 *	21.3 *
50	30	40	62.4	77.6	25.0 *	25.0 *	67.8	77.7	23.3 *	23.3 *	72.6	76.3	19.7 *	19.7 *
50	30	50	54.0	71.3	22.8 *	22.8 *	59.3	71.6	20.5 *	20.5 *	63.8	70.0	17.0 *	17.0 *
50	30	60	44.5	62.7	19.4 *	19.4 *	49.7	63.0	16.7 *	16.7 *	53.7	61.1	15.2 *	15.2 *
50	30	70	33.1	50.2	15.8 *	15.8 *	38.0	50.4	15.3 *	15.3 *				
50	40	19	79.7	95.2	26.7 *	26.7 *								
50	40	20	79.1	95.0	26.5 *	26.5 *								
50	40	25	75.8	93.8	25.6 *	25.6 *								
50	40	30	72.5	92.3	24.7 *	24.7 *	79.0	92.2	23.3 *	23.3 *				
50	40	35	69.1	90.5	23.8 *	23.8 *	75.6	90.5	21.8 *	21.8 *				
50	40	40	65.7	88.3	22.7 *	22.7 *	72.1	88.5	20.3 *	20.3 *	78.1	86.8	17.0 *	17.0 *
50	40	50	58.5	82.9	19.5 *	19.5 *	64.8	83.2	17.1 *	17.1 *	70.5	81.5	14.5 *	14.5 *
50	40	60	50.7	75.6	16.3 *	16.3 *	56.9	76.1	14.5 *	14.5 *	62.3	74.1	12.0 *	12.0 *
50	40	70	41.8	65.9	13.5 *	13.5 *	48.0	66.4	11.8 *	11.8 *	52.9	64.0	10.9 *	10.9 *
50	40	80	31.1	52.2	11.3 *	11.3 *	37.0	52.6	10.6 *	10.6 *				
50	50	25	77.3	104.0	23.3 *	23.3 *								
50	50	30	74.3	102.7	22.5 *	22.5 *								
50	50	35	71.3	101.1	21.7 *	21.7 *	78.6	101.1	20.4 *	20.4 *				
50	50	40	68.3	99.2	20.9 *	20.9 *	75.6	99.3	18.8 *	18.8 *				
50	50	50	61.9	94.4	17.9 *	17.9 *	69.2	94.7	15.3 *	15.3 *	75.9	92.9	12.0 *	12.0 *
50	50	60	55.2	88.1	14.2 *	14.2 *	62.4	88.6	12.0 *	12.0 *	68.8	86.7	10.2 *	10.2 *
50	50	70	47.9	80.0	11.4 *	11.4 *	54.9	80.7	10.1 *	10.1 *	61.0	78.5	8.4 *	8.4 *
50	50	80	39.6	69.4	9.3 *	9.3 *	46.5	70.1	8.3 *	8.3 *	52.1	67.4	7.5 *	7.5 *
50	50	90	29.5	54.7	7.8 *	7.8 *	36.1	55.3	7.2 *	7.2 *				
50	60	25	78.4	114.4	21.2 *	21.2 *								
50	60	30	75.8	113.2	20.5 *	20.5 *								
50	60	35	73.1	111.7	19.8 *	19.8 *								
50	60	40	70.3	110.0	19.1 *	19.1 *	78.3	110.3	18.0 *	18.0 *				
50	60	50	64.7	105.8	17.1 *	17.1 *	72.6	106.3	14.6 *	14.6 *				
50	60	60	58.8	100.3	13.5 *	13.5 *	66.6	101.0	11.0 *	11.0 *	73.9	99.1	8.4 *	8.4 *
50	60	70	52.4	93.4	9.7 *	9.7 *	60.3	94.2	8.4 *	8.4 *	67.3	92.2	7.1 *	7.1 *
50	60	80	45.5	84.5	7.8 *	7.8 *	53.2	85.6	7.0 *	7.0 *	59.9	83.2	5.8 *	5.8 *
50	60	90	37.7	73.2	6.3 *	6.3 *	45.2	74.2	5.8 *	5.8 *	51.4	71.2	5.3 *	5.3 *
50	60	100	28.1	57.6	5.4 *	5.4 *	35.3	58.4	5.1 *	5.1 *				
50	70	25	79.4	124.8	18.8 *	18.8 *								
50	70	30	77.0	123.8	18.1 *	18.1 *								
50	70	35	74.5	122.5	17.5 *	17.5 *								
50	70	40	72.0	121.0	16.8 *	16.8 *								
50	70	50	66.9	117.2	15.4 *	15.4 *	75.5	117.8	14.2 *	14.2 *				
50	70	60	61.6	112.4	13.3 *	13.3 *	70.1	113.2	11.7 *	11.7 *	78.1	111.4	9.2 *	9.2 *
50	70	70	56.0	106.3	10.7 *	10.7 *	64.5	107.4	9.0 *	9.0 *	72.3	105.5	7.3 *	7.3 *
50	70	80	50.1	98.8	7.9 *	7.9 *	58.4	100.0	7.2 *	7.2 *	65.9	98.0	6.0 *	6.0 *
50	70	90	43.5	89.4	6.6 *	6.6 *	51.7	90.8	5.9 *	5.9 *	58.9	88.3	4.8 *	4.8 *
50	70	100	36.0	77.3	5.1 *	5.1 *	44.1	78.7	4.7 *	4.7 *	50.8	75.6	4.3 *	4.3 *
50	70	110	26.9	61.0	4.4 *	4.4 *	34.7	62.1	4.1 *	4.1 *				
60	30	19	79.7	95.4	29.9 *	29.9 *								
60	30	20	79.1	95.2	29.8 *	29.8 *								
60	30	25	75.8	94.0	28.8 *	28.8 *								
60	30	30	72.5	92.6	27.9 *	27.9 *	77.4	92.5	25.8 *	25.8 *				
60	30	35	69.1	90.8	26.9 *	26.9 *	74.0	90.8	24.9 *	24.9 *	78.4	89.3	21.9 *	21.9 *
60	30	40	65.7	88.7	25.9 *	25.9 *	70.5	88.8	24.0 *	24.0 *	74.8	87.3	20.3 *	20.3 *
60	30	50	58.5	83.4	24.0 *	24.0 *	63.2	83.5	22.0 *	22.0 *	67.3	82.0	17.8 *	17.8 *
60	30	60	50.7	76.2	21.9 *	21.9 *	55.3	76.5	18.9 *	18.9 *	59.1	74.7	15.8 *	15.8 *

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
60	30	70	41.8	66.6	18.4 *	18.4 *	46.3	66.8	15.9 *	15.9 *	49.7	64.6	14.6 *	14.6 *
60	30	80	31.1	53.0	15.6 *	15.6 *	35.4	53.1	15.1 *	15.1 *				
60	40	25	77.3	104.1	26.0 *	26.0 *								
60	40	30	74.3	102.8	25.2 *	25.2 *								
60	40	35	71.3	101.2	24.4 *	24.4 *	77.1	101.1	22.5 *	22.5 *				
60	40	40	68.3	99.3	23.6 *	23.6 *	74.1	99.3	21.1 *	21.1 *	79.4	97.4	17.6 *	17.6 *
60	40	50	61.9	94.5	21.1 *	21.1 *	67.7	94.6	18.3 *	18.3 *	72.8	92.8	15.3 *	15.3 *
60	40	60	55.2	88.2	18.1 *	18.1 *	60.9	88.5	15.7 *	15.7 *	65.8	86.5	13.1 *	13.1 *
60	40	70	47.9	80.2	15.4 *	15.4 *	53.5	80.5	13.4 *	13.4 *	58.1	78.3	11.5 *	11.5 *
60	40	80	39.6	69.6	12.8 *	12.8 *	45.0	70.0	11.5 *	11.5 *	49.1	67.2	10.5 *	10.5 *
60	40	90	29.5	54.9	11.1 *	11.1 *	34.6	55.1	10.3 *	10.3 *				
60	50	25	78.4	114.3	23.7 *	23.7 *								
60	50	30	75.8	113.1	22.9 *	22.9 *								
60	50	35	73.1	111.6	22.2 *	22.2 *	79.7	111.6	20.8 *	20.8 *				
60	50	40	70.3	109.9	21.5 *	21.5 *	77.0	109.9	19.5 *	19.5 *				
60	50	50	64.7	105.6	19.4 *	19.4 *	71.3	105.8	16.4 *	16.4 *	77.3	103.8	12.4 *	12.4 *
60	50	60	58.8	100.1	16.1 *	16.1 *	65.3	100.5	13.1 *	13.1 *	71.1	98.4	10.8 *	10.8 *
60	50	70	52.4	93.1	12.7 *	12.7 *	58.9	93.6	11.1 *	11.1 *	64.5	91.3	9.1 *	9.1 *
60	50	80	45.5	84.3	10.8 *	10.8 *	51.9	84.9	9.3 *	9.3 *	57.1	82.3	8.0 *	8.0 *
60	50	90	37.7	72.9	8.8 *	8.8 *	43.9	73.5	8.0 *	8.0 *	48.6	70.2	7.1 *	7.1 *
60	50	100	28.1	57.3	7.6 *	7.6 *	34.0	57.6	7.0 *	7.0 *				
60	60	25	79.4	124.6	21.5 *	21.5 *								
60	60	30	77.0	123.5	20.8 *	20.8 *								
60	60	35	74.5	122.2	20.2 *	20.2 *								
60	60	40	72.0	120.6	19.5 *	19.5 *	79.4	120.7	18.3 *	18.3 *				
60	60	50	66.9	116.8	18.2 *	18.2 *	74.2	117.1	15.6 *	15.6 *				
60	60	60	61.6	111.9	15.2 *	15.2 *	68.8	112.4	12.4 *	12.4 *	75.5	110.3	8.8 *	8.8 *
60	60	70	56.0	105.7	11.9 *	11.9 *	63.2	106.4	9.0 *	9.0 *	69.7	104.2	7.6 *	7.6 *
60	60	80	50.1	98.1	8.7 *	8.7 *	57.1	98.9	7.7 *	7.7 *	63.3	96.5	6.3 *	6.3 *
60	60	90	43.5	88.6	7.4 *	7.4 *	50.5	89.5	6.4 *	6.4 *	56.3	86.7	5.6 *	5.6 *
60	60	100	36.0	76.5	5.9 *	5.9 *	42.8	77.4	5.6 *	5.6 *	48.1	73.7	5.1 *	5.1 *
60	60	110	26.9	60.0	5.3 *	5.3 *	33.4	60.6	5.0 *	5.0 *				
60	70	30	78.0	134.0	18.4 *	18.4 *								
60	70	35	75.7	132.8	17.8 *	17.8 *								
60	70	40	73.4	131.4	17.2 *	17.2 *								
60	70	50	68.8	128.0	15.9 *	15.9 *	76.7	128.5	14.7 *	14.7 *				
60	70	60	64.0	123.6	14.4 *	14.4 *	71.8	124.3	12.5 *	12.5 *	79.2	122.2	9.6 *	9.6 *
60	70	70	59.0	118.2	12.1 *	12.1 *	66.7	119.0	10.1 *	10.1 *	73.9	116.9	7.6 *	7.6 *
60	70	80	53.7	111.5	9.6 *	9.6 *	61.4	112.5	7.8 *	7.8 *	68.3	110.3	6.5 *	6.5 *
60	70	90	48.0	103.3	7.5 *	7.5 *	55.6	104.5	6.6 *	6.6 *	62.3	102.0	5.3 *	5.3 *
60	70	100	41.7	93.3	6.3 *	6.3 *	49.2	94.5	5.4 *	5.4 *	55.6	91.5	4.6 *	4.6 *
60	70	110	34.6	80.5	4.9 *	4.9 *	41.9	81.7	4.6 *	4.6 *	47.7	77.8	4.1 *	4.1 *
60	70	120	25.8	63.3	4.3 *	4.3 *	32.8	64.1	4.0 *	4.0 *				
70	30	25	77.3	104.3	29.2 *	29.2 *								
70	30	30	74.3	103.0	28.4 *	28.4 *	78.7	102.9	26.2 *	26.2 *				
70	30	35	71.3	101.5	27.5 *	27.5 *	75.7	101.4	25.4 *	25.4 *	79.6	99.8	22.4 *	22.4 *
70	30	40	68.3	99.6	26.7 *	26.7 *	72.6	99.6	24.5 *	24.5 *	76.5	98.0	20.9 *	20.9 *
70	30	50	61.9	94.9	24.9 *	24.9 *	66.2	95.0	22.8 *	22.8 *	69.9	93.4	18.5 *	18.5 *
70	30	60	55.2	88.8	23.1 *	23.1 *	59.4	88.9	20.6 *	20.6 *	62.9	87.2	16.7 *	16.7 *
70	30	70	47.9	80.8	20.8 *	20.8 *	52.0	81.0	17.6 *	17.6 *	55.2	79.0	15.3 *	15.3 *
70	30	80	39.6	70.3	17.5 *	17.5 *	43.6	70.5	15.7 *	15.7 *	46.4	68.0	14.2 *	14.2 *
70	30	90	29.5	55.7	15.5 *	15.5 *	33.2	55.7	15.0 *	15.0 *				
70	40	25	78.4	114.4	26.3 *	26.3 *								
70	40	30	75.8	113.2	25.6 *	25.6 *								
70	40	35	73.1	111.7	24.9 *	24.9 *	78.4	111.5	23.0 *	23.0 *				
70	40	40	70.3	110.0	24.2 *	24.2 *	75.6	109.9	21.8 *	21.8 *				
70	40	50	64.7	105.7	22.3 *	22.3 *	69.9	105.8	19.3 *	19.3 *	74.6	103.8	15.8 *	15.8 *
70	40	60	58.8	100.2	19.7 *	19.7 *	63.9	100.4	16.6 *	16.6 *	68.4	98.3	13.9 *	13.9 *
70	40	70	52.4	93.3	16.9 *	16.9 *	57.5	93.5	14.6 *	14.6 *	61.8	91.3	11.9 *	11.9 *

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
70	40	80	45.5	84.4	14.7 *	14.7 *	50.5	84.8	12.5 *	12.5 *	54.5	82.2	11.1 *	11.1 *
70	40	90	37.7	73.1	12.2 *	12.2 *	42.5	73.4	11.2 *	11.2 *				
70	40	100	28.1	57.5	11.0 *	11.0 *								
70	50	25	79.4	124.5	23.9 *	23.9 *								
70	50	30	77.0	123.4	23.3 *	23.3 *								
70	50	35	74.5	122.1	22.6 *	22.6 *								
70	50	40	72.0	120.5	21.9 *	21.9 *	78.1	120.4	20.1 *	20.1 *				
70	50	50	66.9	116.6	20.6 *	20.6 *	73.0	116.7	17.3 *	17.3 *	78.5	114.5	13.1 *	13.1 *
70	50	60	61.6	111.7	17.7 *	17.7 *	67.6	111.9	14.4 *	14.4 *	73.0	109.7	11.3 *	11.3 *
70	50	70	56.0	105.5	14.7 *	14.7 *	62.0	105.9	11.9 *	11.9 *	67.1	103.5	9.8 *	9.8 *
70	50	80	50.1	97.8	11.9 *	11.9 *	55.9	98.3	10.3 *	10.3 *	60.8	95.7	8.4 *	8.4 *
70	50	90	43.5	88.3	10.2 *	10.2 *	49.2	88.9	8.6 *	8.6 *	53.8	85.8	7.7 *	7.7 *
70	50	100	36.0	76.2	8.5 *	8.5 *	41.6	76.6	7.8 *	7.8 *				
70	50	110	26.9	59.7	7.5 *	7.5 *								
70	60	30	78.0	133.8	21.1 *	21.1 *								
70	60	35	75.7	132.6	20.5 *	20.5 *								
70	60	40	73.4	131.1	19.9 *	19.9 *								
70	60	50	68.8	127.6	18.7 *	18.7 *	75.5	127.8	16.4 *	16.4 *				
70	60	60	64.0	123.2	16.7 *	16.7 *	70.7	123.5	13.4 *	13.4 *	76.8	121.2	9.1 *	9.1 *
70	60	70	59.0	117.6	13.6 *	13.6 *	65.6	118.2	10.4 *	10.4 *	71.6	115.8	8.0 *	8.0 *
70	60	80	53.7	110.9	10.5 *	10.5 *	60.2	111.5	8.4 *	8.4 *	66.0	109.0	6.8 *	6.8 *
70	60	90	48.0	102.6	8.3 *	8.3 *	54.4	103.4	7.2 *	7.2 *	59.9	100.5	5.8 *	5.8 *
70	60	100	41.7	92.5	7.1 *	7.1 *	48.1	93.3	5.9 *	5.9 *	53.2	89.9	5.4 *	5.4 *
70	60	110	34.6	79.7	5.8 *	5.8 *	40.8	80.4	5.5 *	5.5 *				
70	60	120	25.8	62.4	5.3 *	5.3 *								
70	70	30	78.9	144.2	18.6 *	18.6 *								
70	70	35	76.8	143.1	18.1 *	18.1 *								
70	70	40	74.7	141.8	17.5 *	17.5 *								
70	70	50	70.4	138.7	16.3 *	16.3 *	77.7	139.0	15.1 *	15.1 *				
70	70	60	66.0	134.7	15.2 *	15.2 *	73.2	135.2	13.1 *	13.1 *				
70	70	70	61.4	129.7	13.2 *	13.2 *	68.6	130.4	11.0 *	11.0 *	75.3	128.0	7.9 *	7.9 *
70	70	80	56.6	123.7	11.0 *	11.0 *	63.8	124.6	8.7 *	8.7 *	70.3	122.1	6.9 *	6.9 *
70	70	90	51.6	116.4	8.6 *	8.6 *	58.7	117.5	7.3 *	7.3 *	64.9	114.8	5.8 *	5.8 *
70	70	100	46.1	107.7	7.1 *	7.1 *	53.1	108.8	6.1 *	6.1 *	59.1	105.8	4.9 *	4.9 *
70	70	110	40.1	97.0	6.0 *	6.0 *	47.0	98.1	4.9 *	4.9 *	52.7	94.5	4.4 *	4.4 *
70	70	120	33.3	83.6	4.8 *	4.8 *	40.0	84.6	4.5 *	4.5 *				
70	70	130	24.8	65.6	4.3 *	4.3 *								
80	30	25	78.4	114.6	29.6 *	29.6 *								
80	30	30	75.8	113.4	28.8 *	28.8 *	79.7	113.2	26.5 *	26.5 *				
80	30	35	73.1	112.0	28.0 *	28.0 *	77.0	111.8	25.7 *	25.7 *				
80	30	40	70.3	110.3	27.2 *	27.2 *	74.3	110.2	25.0 *	25.0 *	77.8	108.6	21.4 *	21.4 *
80	30	50	64.7	106.1	25.7 *	25.7 *	68.6	106.1	23.5 *	23.5 *	72.0	104.5	19.1 *	19.1 *
80	30	60	58.8	100.7	24.1 *	24.1 *	62.6	100.8	21.9 *	21.9 *	65.8	99.0	17.3 *	17.3 *
80	30	70	52.4	93.8	22.4 *	22.4 *	56.2	94.0	19.3 *	19.3 *	59.3	92.0	15.8 *	15.8 *
80	30	80	45.5	85.1	19.8 *	19.8 *	49.2	85.3	16.5 *	16.5 *	52.0	83.0	14.8 *	14.8 *
80	30	90	37.7	73.8	16.7 *	16.7 *	41.3	73.9	15.5 *	15.5 *				
80	30	100	28.1	58.3	15.4 *	15.4 *								
80	40	25	79.4	124.6	26.6 *	26.6 *								
80	40	30	77.0	123.5	25.9 *	25.9 *								
80	40	35	74.5	122.1	25.3 *	25.3 *	79.4	121.9	23.4 *	23.4 *				
80	40	40	72.0	120.6	24.6 *	24.6 *	76.9	120.4	22.3 *	22.3 *				
80	40	50	66.9	116.7	23.3 *	23.3 *	71.7	116.7	20.1 *	20.1 *	76.0	114.6	16.2 *	16.2 *
80	40	60	61.6	111.8	20.9 *	20.9 *	66.4	111.9	17.7 *	17.7 *	70.5	109.7	14.5 *	14.5 *
80	40	70	56.0	105.6	18.5 *	18.5 *	60.7	105.8	15.6 *	15.6 *	64.7	103.5	12.7 *	12.7 *
80	40	80	50.1	98.0	16.1 *	16.1 *	54.7	98.3	13.8 *	13.8 *	58.4	95.8	11.5 *	11.5 *
80	40	90	43.5	88.5	14.0 *	14.0 *	48.0	88.8	11.8 *	11.8 *	51.5	85.9	10.7 *	10.7 *
80	40	100	36.0	76.4	11.9 *	11.9 *	40.4	76.6	11.0 *	11.0 *				
80	40	110	26.9	59.9	10.8 *	10.8 *								
80	50	30	78.0	133.7	23.5 *	23.5 *								

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
80	50	35	75.7	132.5	22.9 *	22.9 *								
80	50	40	73.4	131.0	22.3 *	22.3 *	79.1	130.8	20.6 *	20.6 *				
80	50	50	68.8	127.5	21.1 *	21.1 *	74.4	127.4	18.1 *	18.1 *	79.5	125.1	13.6 *	13.6 *
80	50	60	64.0	123.0	19.0 *	19.0 *	69.5	123.1	15.4 *	15.4 *	74.5	120.7	11.7 *	11.7 *
80	50	70	59.0	117.4	16.3 *	16.3 *	64.4	117.7	12.7 *	12.7 *	69.3	115.2	10.3 *	10.3 *
80	50	80	53.7	110.6	13.4 *	13.4 *	59.1	111.0	11.1 *	11.1 *	63.7	108.4	8.9 *	8.9 *
80	50	90	48.0	102.4	11.4 *	11.4 *	53.3	102.8	9.7 *	9.7 *	57.7	99.9	8.1 *	8.1 *
80	50	100	41.7	92.2	9.8 *	9.8 *	46.9	92.6	8.3 *	8.3 *	51.0	89.2	7.4 *	7.4 *
80	50	110	34.6	79.3	8.3 *	8.3 *	39.6	79.7	7.6 *	7.6 *				
80	50	120	25.8	62.0	7.4 *	7.4 *								
80	60	30	78.9	144.0	21.3 *	21.3 *								
80	60	35	76.8	142.9	20.8 *	20.8 *								
80	60	40	74.7	141.6	20.2 *	20.2 *								
80	60	50	70.4	138.3	19.1 *	19.1 *	76.6	138.4	17.0 *	17.0 *				
80	60	60	66.0	134.2	17.8 *	17.8 *	72.2	134.5	14.3 *	14.3 *	77.9	132.0	9.8 *	9.8 *
80	60	70	61.4	129.2	15.1 *	15.1 *	67.5	129.6	11.6 *	11.6 *	73.1	127.0	8.3 *	8.3 *
80	60	80	56.6	123.1	12.2 *	12.2 *	62.7	123.6	8.9 *	8.9 *	68.1	121.0	7.3 *	7.3 *
80	60	90	51.6	115.8	9.2 *	9.2 *	57.6	116.4	7.8 *	7.8 *	62.8	113.5	6.2 *	6.2 *
80	60	100	46.1	107.0	7.9 *	7.9 *	52.1	107.7	6.7 *	6.7 *	57.0	104.4	5.7 *	5.7 *
80	60	110	40.1	96.2	6.7 *	6.7 *	46.0	96.9	5.8 *	5.8 *	50.5	93.1	5.2 *	5.2 *
80	60	120	33.3	82.7	5.8 *	5.8 *	39.0	83.3	5.3 *	5.3 *				
80	60	130	24.8	64.6	5.2 *	5.2 *								
80	70	30	79.6	154.4	18.8 *	18.8 *								
80	70	35	77.7	153.4	18.3 *	18.3 *								
80	70	40	75.7	152.2	17.8 *	17.8 *								
80	70	50	71.7	149.3	16.7 *	16.7 *	78.6	149.4	15.3 *	15.3 *				
80	70	60	67.6	145.6	15.6 *	15.6 *	74.4	145.9	13.7 *	13.7 *				
80	70	70	63.4	141.0	14.2 *	14.2 *	70.2	141.5	11.7 *	11.7 *	76.4	139.0	8.4 *	8.4 *
80	70	80	59.1	135.5	12.1 *	12.1 *	65.8	136.2	9.7 *	9.7 *	71.9	133.6	7.2 *	7.2 *
80	70	90	54.5	129.0	10.0 *	10.0 *	61.2	129.8	7.8 *	7.8 *	67.1	127.0	6.3 *	6.3 *
80	70	100	49.7	121.2	7.9 *	7.9 *	56.3	122.1	6.8 *	6.8 *	61.9	119.1	5.2 *	5.2 *
80	70	110	44.5	111.9	6.8 *	6.8 *	51.0	112.9	5.7 *	5.7 *	56.4	109.4	4.7 *	4.7 *
80	70	120	38.7	100.6	5.7 *	5.7 *	45.1	101.6	4.8 *	4.8 *	50.1	97.4	4.3 *	4.3 *
80	70	130	32.1	86.5	4.7 *	4.7 *	38.3	87.4	4.4 *	4.4 *				
80	70	140	24.0	67.7	4.2 *	4.2 *								
90	30	25	79.4	124.8	29.9 *	29.9 *								
90	30	30	77.0	123.7	29.2 *	29.2 *								
90	30	35	74.5	122.4	28.4 *	28.4 *	78.1	122.2	26.0 *	26.0 *				
90	30	40	72.0	120.9	27.7 *	27.7 *	75.6	120.7	25.4 *	25.4 *	78.9	119.1	21.8 *	21.8 *
90	30	50	66.9	117.1	26.3 *	26.3 *	70.5	117.1	24.0 *	24.0 *	73.6	115.4	19.6 *	19.6 *
90	30	60	61.6	112.2	24.8 *	24.8 *	65.1	112.3	22.6 *	22.6 *	68.2	110.5	17.8 *	17.8 *
90	30	70	56.0	106.2	23.3 *	23.3 *	59.5	106.3	20.6 *	20.6 *	62.4	104.4	16.4 *	16.4 *
90	30	80	50.1	98.6	21.7 *	21.7 *	53.5	98.7	18.2 *	18.2 *	56.2	96.6	15.3 *	15.3 *
90	30	90	43.5	89.2	19.0 *	19.0 *	46.8	89.3	15.9 *	15.9 *	49.3	86.9	14.4 *	14.4 *
90	30	100	36.0	77.1	16.0 *	16.0 *	39.3	77.2	15.4 *	15.4 *				
90	30	110	26.9	60.7	15.4 *	14.4								
90	40	30	78.0	133.7	26.2 *	26.2 *								
90	40	35	75.7	132.5	25.6 *	25.6 *								
90	40	40	73.4	131.1	25.0 *	25.0 *	77.9	130.8	22.8 *	22.8 *				
90	40	50	68.8	127.6	23.8 *	23.8 *	73.2	127.4	20.7 *	20.7 *	77.2	125.3	16.6 *	16.6 *
90	40	60	64.0	123.1	22.0 *	22.0 *	68.4	123.1	18.6 *	18.6 *	72.2	120.9	15.1 *	15.1 *
90	40	70	59.0	117.6	19.8 *	19.8 *	63.3	117.6	16.5 *	16.5 *	67.0	115.3	13.4 *	13.4 *
90	40	80	53.7	110.8	17.4 *	17.4 *	57.9	111.0	14.8 *	14.8 *	61.5	108.5	11.9 *	11.9 *
90	40	90	48.0	102.5	15.4 *	15.4 *	52.2	102.7	13.0 *	13.0 *	55.5	100.0	11.2 *	11.2 *
90	40	100	41.7	92.4	13.5 *	13.5 *	45.8	92.6	11.6 *	11.6 *	48.9	89.4	10.4 *	10.4 *
90	40	110	34.6	79.5	11.7 *	11.7 *	38.6	79.6	10.8 *	10.8 *				
90	40	120	25.8	62.2	10.7 *	10.7 *								
90	50	30	78.9	143.9	23.8 *	23.8 *								
90	50	35	76.8	142.8	23.2 *	23.2 *								
90	50	40	74.7	141.4	22.6 *	22.6 *	79.9	141.2	20.8 *	20.8 *				

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
90	50	50	70.4	138.2	21.5 *	21.5 *	75.5	138.1	18.7 *	18.7 *				
90	50	60	66.0	134.1	20.1 *	20.1 *	71.1	134.1	16.3 *	16.3 *	75.7	131.6	12.0 *	12.0 *
90	50	70	61.4	129.0	17.6 *	17.6 *	66.5	129.1	13.8 *	13.8 *	71.0	126.6	10.8 *	10.8 *
90	50	80	56.6	122.9	15.0 *	15.0 *	61.7	123.1	11.8 *	11.8 *	66.0	120.5	9.5 *	9.5 *
90	50	90	51.6	115.5	12.3 *	12.3 *	56.5	115.9	10.5 *	10.5 *	60.7	113.0	8.4 *	8.4 *
90	50	100	46.1	106.7	10.9 *	10.9 *	51.0	107.1	9.1 *	9.1 *	54.9	103.8	7.8 *	7.8 *
90	50	110	40.1	95.9	9.4 *	9.4 *	44.9	96.3	8.1 *	8.1 *	48.5	92.5	7.1 *	7.1 *
90	50	120	33.3	82.4	8.2 *	8.2 *	37.9	82.6	7.4 *	7.4 *				
90	50	130	24.8	64.2	7.3 *	7.3 *								
90	60	30	79.6	154.2	21.5 *	21.5 *								
90	60	35	77.7	153.1	21.0 *	21.0 *								
90	60	40	75.7	151.9	20.5 *	20.5 *								
90	60	50	71.7	148.9	19.4 *	19.4 *	77.6	148.9	17.6 *	17.6 *				
90	60	60	67.6	145.1	18.4 *	18.4 *	73.4	145.3	15.1 *	15.1 *	78.8	142.6	10.3 *	10.3 *
90	60	70	63.4	140.5	16.3 *	16.3 *	69.2	140.8	12.6 *	12.6 *	74.4	138.1	8.5 *	8.5 *
90	60	80	59.1	135.0	13.7 *	13.7 *	64.8	135.4	9.9 *	9.9 *	69.9	132.6	7.6 *	7.6 *
90	60	90	54.5	128.3	11.0 *	11.0 *	60.2	128.9	8.4 *	8.4 *	65.1	125.9	6.7 *	6.7 *
90	60	100	49.7	120.5	8.7 *	8.7 *	55.3	121.1	7.4 *	7.4 *	60.0	117.9	5.8 *	5.8 *
90	60	110	44.5	111.1	7.6 *	7.6 *	50.0	111.7	6.3 *	6.3 *	54.4	108.1	5.5 *	5.5 *
90	60	120	38.7	99.8	6.5 *	6.5 *	44.1	100.4	5.7 *	5.7 *	48.2	96.1	5.1 *	5.1 *
90	60	130	32.1	85.6	5.7 *	5.7 *	37.3	86.0	5.2 *	5.2 *				
90	60	140	24.0	66.8	5.1 *	5.1 *								
90	70	35	78.4	163.6	18.5 *	18.5 *								
90	70	40	76.6	162.5	18.0 *	18.0 *								
90	70	50	72.9	159.8	17.0 *	17.0 *	79.3	159.8	15.5 *	15.5 *				
90	70	60	69.1	156.3	16.0 *	16.0 *	75.5	156.6	14.2 *	14.2 *				
90	70	70	65.2	152.1	15.0 *	15.0 *	71.6	152.5	12.3 *	12.3 *	77.4	149.8	8.8 *	8.8 *
90	70	80	61.2	147.0	13.1 *	13.1 *	67.5	147.6	10.4 *	10.4 *	73.2	144.8	7.5 *	7.5 *
90	70	90	57.0	141.0	11.2 *	11.2 *	63.3	141.8	8.5 *	8.5 *	68.8	138.9	6.6 *	6.6 *
90	70	100	52.7	134.0	9.1 *	9.1 *	58.8	134.8	7.3 *	7.3 *	64.2	131.7	5.7 *	5.7 *
90	70	110	48.0	125.7	7.5 *	7.5 *	54.1	126.6	6.3 *	6.3 *	59.3	123.2	4.9 *	4.9 *
90	70	120	43.0	115.9	6.5 *	6.5 *	49.0	116.8	5.3 *	5.3 *	53.9	112.9	4.5 *	4.5 *
90	70	130	37.4	104.0	5.4 *	5.4 *	43.4	104.9	4.7 *	4.7 *	47.8	100.2	4.1 *	4.1 *
90	70	140	31.1	89.3	4.7 *	4.7 *	36.8	90.0	4.3 *	4.3 *				
90	70	150	23.2	69.8	4.2 *	4.2 *								
100	30	30	78.0	133.9	29.4 *	29.4 *								
100	30	35	75.7	132.8	28.8 *	28.8 *	79.1	132.5	26.3 *	26.3 *				
100	30	40	73.4	131.4	28.1 *	28.1 *	76.8	131.2	25.7 *	25.7 *	79.8	129.5	22.2 *	22.2 *
100	30	50	68.8	127.9	26.8 *	26.8 *	72.1	127.8	24.4 *	24.4 *	75.0	126.1	20.0 *	20.0 *
100	30	60	64.0	123.5	25.5 *	25.5 *	67.2	123.5	23.1 *	23.1 *	70.1	121.7	18.3 *	18.3 *
100	30	70	59.0	118.0	24.1 *	24.1 *	62.2	118.1	21.7 *	21.7 *	64.9	116.2	17.0 *	17.0 *
100	30	80	53.7	111.3	22.7 *	22.3	56.8	111.4	19.6 *	19.6 *	59.4	109.4	15.8 *	15.8 *
100	30	90	48.0	103.2	20.3	18.9	51.1	103.3	17.3 *	17.3 *	53.5	101.0	14.9 *	14.9 *
100	30	100	41.7	93.1	17.5	16.3	44.8	93.2	15.7 *	15.7 *	46.9	90.5	14.1 *	14.1 *
100	30	110	34.6	80.3	15.2	14.1	37.5	80.3	15.3 *	14.3				
100	30	120	25.8	63.1	13.3	12.4								
100	40	30	78.9	144.0	26.4 *	26.4 *								
100	40	35	76.8	142.8	25.9 *	25.9 *								
100	40	40	74.7	141.5	25.3 *	25.3 *	78.8	141.2	23.2 *	23.2 *				
100	40	50	70.4	138.3	24.2 *	24.2 *	74.5	138.1	21.3 *	21.3 *	78.2	135.9	16.9 *	16.9 *
100	40	60	66.0	134.2	22.8 *	22.8 *	70.0	134.1	19.3 *	19.3 *	73.7	131.8	15.4 *	15.4 *
100	40	70	61.4	129.1	20.8 *	20.8 *	65.4	129.1	17.3 *	17.3 *	68.9	126.8	14.0 *	14.0 *
100	40	80	56.6	123.0	18.7 *	18.7 *	60.6	123.1	15.6 *	15.6 *	64.0	120.7	12.5 *	12.5 *
100	40	90	51.6	115.7	16.5 *	16.5 *	55.5	115.8	14.0 *	14.0 *	58.7	113.2	11.5 *	11.5 *
100	40	100	46.1	106.8	14.8 *	14.8 *	50.0	107.0	12.3 *	12.3 *	53.0	104.1	10.9 *	10.9 *
100	40	110	40.1	96.1	13.0 *	13.0 *	43.9	96.2	11.4 *	11.4 *				
100	40	120	33.3	82.6	11.5 *	11.5 *	36.9	82.6	10.6 *	10.6 *				
100	40	130	24.8	64.5	10.6 *	10.6 *								
100	50	30	79.6	154.1	24.0 *	24.0 *								
100	50	35	77.7	153.1	23.4 *	23.4 *								

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
100	50	40	75.7	151.8	22.9 *	22.9 *								
100	50	50	71.7	148.8	21.9 *	21.9 *	76.6	148.6	19.3 *	19.3 *				
100	50	60	67.6	145.0	20.8 *	20.8 *	72.5	144.9	17.1 *	17.1 *	76.8	142.3	12.3 *	12.3 *
100	50	70	63.4	140.3	18.7 *	18.7 *	68.2	140.4	14.7 *	14.7 *	72.4	137.8	11.2 *	11.2 *
100	50	80	59.1	134.7	16.3 *	16.3 *	63.8	134.9	12.3 *	12.3 *	67.9	132.2	10.0 *	10.0 *
100	50	90	54.5	128.1	13.8 *	13.8 *	59.2	128.4	11.2 *	11.2 *	63.1	125.5	8.8 *	8.8 *
100	50	100	49.7	120.2	11.8 *	11.8 *	54.3	120.5	9.9 *	9.9 *	58.0	117.4	8.1 *	8.1 *
100	50	110	44.5	110.8	10.5 *	10.5 *	49.0	111.2	8.6 *	8.6 *	52.5	107.6	7.5 *	7.5 *
100	50	120	38.7	99.4	9.0 *	9.0 *	43.1	99.7	7.9 *	7.9 *				
100	50	130	32.1	85.3	8.0 *	8.0 *	36.4	85.4	7.2 *	7.2 *				
100	50	140	24.0	66.4	7.2 *	7.2 *								
100	60	35	78.4	163.4	21.2 *	21.2 *								
100	60	40	76.6	162.2	20.7 *	20.7 *								
100	60	50	72.9	159.4	19.8 *	19.8 *	78.4	159.3	18.0 *	18.0 *				
100	60	60	69.1	155.9	18.7 *	18.7 *	74.5	155.9	15.8 *	15.8 *	79.6	153.2	10.8 *	10.8 *
100	60	70	65.2	151.6	17.4 *	17.4 *	70.6	151.8	13.4 *	13.4 *	75.5	149.0	8.8 *	8.8 *
100	60	80	61.2	146.5	15.0 *	15.0 *	66.6	146.8	11.0 *	11.0 *	71.3	143.9	7.9 *	7.9 *
100	60	90	57.0	140.5	12.5 *	12.5 *	62.4	140.9	8.8 *	8.8 *	67.0	137.9	7.0 *	7.0 *
100	60	100	52.7	133.4	9.9 *	9.9 *	57.9	133.9	7.9 *	7.9 *	62.4	130.6	6.1 *	6.1 *
100	60	110	48.0	125.0	8.3 *	8.3 *	53.2	125.6	7.0 *	7.0 *	57.5	122.0	5.7 *	5.7 *
100	60	120	43.0	115.1	7.3 *	7.3 *	48.1	115.7	5.9 *	5.9 *	52.1	111.7	5.3 *	5.3 *
100	60	130	37.4	103.2	6.2 *	6.2 *	42.4	103.7	5.6 *	5.6 *				
100	60	140	31.1	88.4	5.6 *	5.6 *	35.9	88.7	5.1 *	5.1 *				
100	60	150	23.2	68.8	5.1 *	5.1 *								
100	70	35	79.1	173.8	18.7 *	18.7 *								
100	70	40	77.4	172.8	18.2 *	18.2 *								
100	70	50	73.9	170.2	17.3 *	17.3 *	80.0	170.2	15.7 *	15.7 *				
100	70	60	70.4	167.0	16.4 *	16.4 *	76.4	167.1	14.6 *	14.6 *				
100	70	70	66.8	163.0	15.4 *	15.4 *	72.7	163.3	12.9 *	12.9 *	78.2	160.5	9.2 *	9.2 *
100	70	80	63.0	158.4	14.0 *	14.0 *	69.0	158.8	11.1 *	11.1 *	74.3	155.9	7.7 *	7.7 *
100	70	90	59.2	152.8	12.2 *	12.2 *	65.1	153.4	9.3 *	9.3 *	70.3	150.4	6.9 *	6.9 *
100	70	100	55.2	146.4	10.3 *	10.3 *	61.0	147.1	7.7 *	7.7 *	66.1	143.9	6.1 *	6.1 *
100	70	110	51.0	138.9	8.3 *	8.3 *	56.8	139.7	6.9 *	6.9 *	61.7	136.2	5.2 *	5.2 *
100	70	120	46.5	130.1	7.2 *	7.2 *	52.2	130.9	6.0 *	6.0 *	56.9	127.1	4.7 *	4.7 *
100	70	130	41.6	119.7	6.3 *	6.3 *	47.3	120.6	5.0 *	5.0 *	51.7	116.3	4.4 *	4.4 *
100	70	140	36.3	107.4	5.2 *	5.2 *	41.8	108.1	4.6 *	4.6 *	45.8	102.9	4.0 *	4.0 *
100	70	150	30.1	92.1	4.6 *	4.6 *	35.5	92.6	4.2 *	4.2 *				
100	70	160	22.5	71.8	4.1 *	4.1 *								
110	30	30	78.9	144.2	29.7 *	29.7 *								
110	30	35	76.8	143.1	29.1 *	29.1 *	79.9	142.8	26.5 *	26.5 *				
110	30	40	74.7	141.8	28.5 *	28.5 *	77.8	141.6	25.9 *	25.9 *				
110	30	50	70.4	138.6	27.3 *	27.3 *	73.4	138.5	24.8 *	24.8 *	76.2	136.7	20.4 *	20.4 *
110	30	60	66.0	134.6	26.0 *	26.0 *	69.0	134.5	23.6 *	23.6 *	71.6	132.7	18.8 *	18.8 *
110	30	70	61.4	129.6	24.8 *	24.8 *	64.4	129.6	22.4 *	22.4 *	66.9	127.7	17.4 *	17.4 *
110	30	80	56.6	123.5	23.4	22.1	59.6	123.6	20.7 *	20.7 *	62.0	121.6	16.3 *	16.3 *
110	30	90	51.6	116.3	20.0	18.7	54.5	116.4	18.6 *	18.6 *	56.8	114.2	15.3 *	15.3 *
110	30	100	46.1	107.5	17.2	16.0	49.0	107.6	16.4 *	16.3	51.1	105.2	14.6 *	14.6 *
110	30	110	40.1	96.8	15.0	13.9	42.9	96.8	15.2	14.1				
110	30	120	33.3	83.3	13.1	12.1	36.0	83.3	13.3	12.3				
110	30	130	24.8	65.3	11.5	10.6								
110	40	30	79.6	154.2	26.6 *	26.6 *								
110	40	35	77.7	153.1	26.1 *	26.1 *								
110	40	40	75.7	151.9	25.6 *	25.6 *	79.6	151.5	23.4 *	23.4 *				
110	40	50	71.7	148.9	24.5 *	24.5 *	75.6	148.6	21.8 *	21.8 *	79.1	146.3	17.1 *	17.1 *
110	40	60	67.6	145.1	23.5 *	23.5 *	71.5	144.9	20.0 *	20.0 *	74.9	142.6	15.7 *	15.7 *
110	40	70	63.4	140.4	21.7 *	21.7 *	67.2	140.4	18.1 *	18.1 *	70.5	138.0	14.5 *	14.5 *
110	40	80	59.1	134.9	19.8 *	19.8 *	62.8	134.9	16.3 *	16.3 *	66.0	132.4	13.1 *	13.1 *
110	40	90	54.5	128.3	17.8 *	17.8 *	58.2	128.3	14.9 *	14.9 *	61.3	125.7	11.8 *	11.8 *
110	40	100	49.7	120.4	16.0 *	16.0 *	53.3	120.5	13.3 *	13.3 *	56.2	117.7	11.3 *	11.3 *
110	40	110	44.5	111.0	14.3 *	14.1	48.1	111.1	11.9 *	11.9 *	50.7	108.0	10.6 *	10.6 *
110	40	120	38.7	99.6	12.5 *	12.3	42.2	99.7	11.2 *	11.2 *				

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
110	40	130	32.1	85.5	11.4 *	10.8	35.5	85.4	10.4 *	10.4 *				
110	40	140	24.0	66.6	10.4	9.6								
110	50	35	78.4	163.3	23.7 *	23.7 *								
110	50	40	76.6	162.1	23.2 *	23.2 *								
110	50	50	72.9	159.3	22.2 *	22.2 *	77.4	159.0	19.8 *	19.8 *				
110	50	60	69.1	155.8	21.2 *	21.2 *	73.6	155.6	17.7 *	17.7 *	77.7	153.0	12.6 *	12.6 *
110	50	70	65.2	151.5	19.7 *	19.7 *	69.7	151.4	15.6 *	15.6 *	73.7	148.7	11.5 *	11.5 *
110	50	80	61.2	146.3	17.5 *	17.5 *	65.7	146.4	13.3 *	13.3 *	69.5	143.6	10.4 *	10.4 *
110	50	90	57.0	140.2	15.2 *	15.2 *	61.4	140.4	11.7 *	11.7 *	65.2	137.5	9.3 *	9.3 *
110	50	100	52.7	133.1	12.8 *	12.8 *	57.0	133.3	10.6 *	10.6 *	60.6	130.3	8.4 *	8.4 *
110	50	110	48.0	124.7	11.4 *	11.4 *	52.3	125.0	9.4 *	9.4 *	55.7	121.6	7.9 *	7.9 *
110	50	120	43.0	114.8	10.1 *	10.1 *	47.2	115.1	8.4 *	8.4 *	50.4	111.3	7.3 *	7.3 *
110	50	130	37.4	102.9	8.7 *	8.7 *	41.6	103.1	7.8 *	7.8 *				
110	50	140	31.1	88.1	7.9 *	7.9 *	35.0	88.1	7.1 *	7.1 *				
110	50	150	23.2	68.5	7.1 *	7.1 *								
110	60	35	79.1	173.6	21.4 *	21.4 *								
110	60	40	77.4	172.5	21.0 *	21.0 *								
110	60	50	73.9	169.9	20.0 *	20.0 *	79.1	169.7	18.2 *	18.2 *				
110	60	60	70.4	166.6	19.1 *	19.1 *	75.5	166.5	16.4 *	16.4 *				
110	60	70	66.8	162.6	18.1 *	18.1 *	71.9	162.7	14.2 *	14.2 *	76.5	159.8	8.9 *	8.9 *
110	60	80	63.0	157.9	16.1 *	16.1 *	68.1	158.1	11.9 *	11.9 *	72.6	155.1	8.2 *	8.2 *
110	60	90	59.2	152.3	13.8 *	13.8 *	64.2	152.6	9.6 *	9.6 *	68.6	149.5	7.4 *	7.4 *
110	60	100	55.2	145.8	11.4 *	11.4 *	60.2	146.2	8.3 *	8.3 *	64.4	142.9	6.5 *	6.5 *
110	60	110	51.0	138.2	8.9 *	8.9 *	55.9	138.7	7.5 *	7.5 *	60.0	135.2	5.8 *	5.8 *
110	60	120	46.5	129.3	8.0 *	8.0 *	51.3	129.9	6.6 *	6.6 *	55.2	126.0	5.5 *	5.5 *
110	60	130	41.6	118.9	7.1 *	7.1 *	46.4	119.4	5.8 *	5.8 *	50.0	115.1	5.2 *	5.2 *
110	60	140	36.3	106.5	6.0 *	6.0 *	40.9	106.9	5.5 *	5.5 *				
110	60	150	30.1	91.2	5.5 *	5.5 *	34.6	91.3	5.0 *	5.0 *				
110	60	160	22.5	70.9	5.0 *	5.0 *								
110	70	35	79.7	184.0	18.9 *	18.9 *								
110	70	40	78.1	183.0	18.4 *	18.4 *								
110	70	50	74.8	180.6	17.5 *	17.5 *								
110	70	60	71.5	177.6	16.7 *	16.7 *	77.2	177.6	15.0 *	15.0 *				
110	70	70	68.1	173.9	15.8 *	15.8 *	73.8	174.1	13.4 *	13.4 *	79.0	171.1	9.5 *	9.5 *
110	70	80	64.7	169.5	14.7 *	14.7 *	70.3	169.8	11.7 *	11.7 *	75.3	166.8	7.9 *	7.9 *
110	70	90	61.1	164.4	13.1 *	13.1 *	66.6	164.8	10.0 *	10.0 *	71.6	161.7	7.2 *	7.2 *
110	70	100	57.4	158.4	11.3 *	11.3 *	62.9	159.0	8.3 *	8.3 *	67.7	155.7	6.4 *	6.4 *
110	70	110	53.5	151.5	9.5 *	9.5 *	59.0	152.2	7.3 *	7.3 *	63.7	148.8	5.6 *	5.6 *
110	70	120	49.4	143.5	7.8 *	7.8 *	54.9	144.3	6.5 *	6.5 *	59.4	140.6	4.9 *	4.9 *
110	70	130	45.1	134.3	6.9 *	6.9 *	50.5	135.1	5.6 *	5.6 *	54.8	130.9	4.6 *	4.6 *
110	70	140	40.4	123.5	6.0 *	6.0 *	45.7	124.3	4.9 *	4.9 *	49.7	119.5	4.2 *	4.2 *
110	70	150	35.2	110.6	5.0 *	5.0 *	40.4	111.2	4.5 *	4.5 *				
110	70	160	29.3	94.7	4.6 *	4.6 *	34.2	95.1	4.1 *	4.1 *				
110	70	170	21.9	73.8	4.1 *	4.1 *								
120	30	30	79.6	154.3	29.9 *	29.9 *								
120	30	35	77.7	153.3	29.4 *	29.4 *								
120	30	40	75.7	152.1	28.8 *	28.8 *	78.6	151.9	26.2 *	26.2 *				
120	30	50	71.7	149.2	27.6 *	27.6 *	74.6	149.0	25.1 *	25.1 *	77.2	147.2	20.8 *	20.8 *
120	30	60	67.6	145.4	26.5 *	26.5 *	70.5	145.3	24.0 *	24.0 *	73.0	143.5	19.2 *	19.2 *
120	30	70	63.4	140.9	25.3 *	25.3 *	66.3	140.8	22.9 *	22.9 *	68.7	138.9	17.8 *	17.8 *
120	30	80	59.1	135.4	23.2	21.8	61.9	135.4	21.6 *	21.6 *	64.2	133.4	16.7 *	16.7 *
120	30	90	54.5	128.8	19.8	18.4	57.3	128.9	19.7 *	18.8	59.5	126.7	15.8 *	15.8 *
120	30	100	49.7	121.0	17.0	15.8	52.4	121.1	17.3	16.1	54.5	118.8	15.0 *	15.0 *
120	30	110	44.5	111.7	14.7	13.6	47.1	111.7	15.0	13.9	49.0	109.1	14.3 *	14.1
120	30	120	38.7	100.4	12.9	11.9	41.3	100.4	13.1	12.1				
120	30	130	32.1	86.3	11.3	10.4	34.6	86.1	11.5	10.6				
120	30	140	24.0	67.5	10.0	9.1								
120	40	35	78.4	163.3	26.3 *	26.3 *								
120	40	40	76.6	162.2	25.8 *	25.8 *								
120	40	50	72.9	159.4	24.9 *	24.9 *	76.5	159.1	22.2 *	22.2 *	79.8	156.7	17.3 *	17.3 *

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
120	40	60	69.1	155.9	23.8 *	23.8 *	72.7	155.7	20.5 *	20.5 *	75.9	153.3	16.0 *	16.0 *
120	40	70	65.2	151.6	22.5 *	22.5 *	68.8	151.5	18.8 *	18.8 *	71.9	149.1	14.9 *	14.9 *
120	40	80	61.2	146.4	20.7 *	20.7 *	64.7	146.4	17.0 *	17.0 *	67.8	143.9	13.7 *	13.7 *
120	40	90	57.0	140.4	18.9 *	18.6	60.5	140.4	15.6 *	15.6 *	63.4	137.8	12.3 *	12.3 *
120	40	100	52.7	133.3	17.0 *	15.9	56.1	133.4	14.2 *	14.2 *	58.9	130.6	11.6 *	11.6 *
120	40	110	48.0	124.9	14.9	13.8	51.4	125.0	12.7 *	12.7 *	54.0	122.0	11.0 *	11.0 *
120	40	120	43.0	115.0	13.0	12.0	46.3	115.1	11.7 *	11.7 *	48.7	111.7	10.4 *	10.4 *
120	40	130	37.4	103.1	11.5	10.6	40.7	103.1	11.0 *	10.8				
120	40	140	31.1	88.3	10.2	9.3	34.2	88.1	10.3 *	9.5				
120	40	150	23.2	68.7	9.0	8.2								
120	50	35	79.1	173.5	23.8 *	23.8 *								
120	50	40	77.4	172.4	23.4 *	23.4 *								
120	50	50	73.9	169.8	22.4 *	22.4 *	78.2	169.4	20.2 *	20.2 *				
120	50	60	70.4	166.5	21.5 *	21.5 *	74.6	166.2	18.3 *	18.3 *	78.5	163.5	13.1 *	13.1 *
120	50	70	66.8	162.5	20.5 *	20.5 *	71.0	162.3	16.3 *	16.3 *	74.8	159.6	11.7 *	11.7 *
120	50	80	63.0	157.7	18.5 *	18.5 *	67.2	157.7	14.2 *	14.2 *	70.9	154.8	10.8 *	10.8 *
120	50	90	59.2	152.1	16.4 *	16.4 *	63.4	152.2	12.2 *	12.2 *	66.9	149.2	9.8 *	9.8 *
120	50	100	55.2	145.5	14.2 *	14.2 *	59.3	145.7	11.2 *	11.2 *	62.7	142.6	8.7 *	8.7 *
120	50	110	51.0	137.9	12.1 *	12.1 *	55.0	138.2	10.1 *	10.1 *	58.3	134.9	8.1 *	8.1 *
120	50	120	46.5	129.1	11.0 *	11.0 *	50.5	129.3	9.0 *	9.0 *	53.6	125.7	7.6 *	7.6 *
120	50	130	41.6	118.6	9.8 *	9.8 *	45.6	118.9	8.2 *	8.2 *	48.4	114.8	7.1 *	7.1 *
120	50	140	36.3	106.2	8.5 *	8.5 *	40.1	106.3	7.6 *	7.6 *				
120	50	150	30.1	90.8	7.8 *	7.8 *								
120	50	160	22.5	70.5	7.0 *	7.0 *								
120	60	35	79.7	183.8	21.6 *	21.6 *								
120	60	40	78.1	182.8	21.1 *	21.1 *								
120	60	50	74.8	180.3	20.3 *	20.3 *	79.7	180.0	18.4 *	18.4 *				
120	60	60	71.5	177.2	19.4 *	19.4 *	76.4	177.0	16.9 *	16.9 *				
120	60	70	68.1	173.5	18.5 *	18.5 *	72.9	173.4	14.8 *	14.8 *	77.3	170.5	9.4 *	9.4 *
120	60	80	64.7	169.0	17.1 *	17.1 *	69.4	169.1	12.7 *	12.7 *	73.7	166.1	8.4 *	8.4 *
120	60	90	61.1	163.8	14.9 *	14.9 *	65.8	164.1	10.5 *	10.5 *	70.0	160.9	7.6 *	7.6 *
120	60	100	57.4	157.8	12.7 *	12.7 *	62.1	158.1	8.7 *	8.7 *	66.1	154.9	6.9 *	6.9 *
120	60	110	53.5	150.9	10.4 *	10.4 *	58.2	151.3	8.0 *	8.0 *	62.1	147.8	6.1 *	6.1 *
120	60	120	49.4	142.8	8.6 *	8.6 *	54.0	143.3	7.1 *	7.1 *	57.8	139.6	5.7 *	5.7 *
120	60	130	45.1	133.5	7.7 *	7.7 *	49.7	134.0	6.2 *	6.2 *	53.2	129.9	5.4 *	5.4 *
120	60	140	40.4	122.7	6.8 *	6.8 *	44.9	123.1	5.7 *	5.7 *	48.2	118.4	5.1 *	5.1 *
120	60	150	35.2	109.7	5.9 *	5.9 *	39.6	110.0	5.4 *	5.4 *				
120	60	160	29.3	93.8	5.5 *	5.5 *	33.4	93.8	5.0 *	5.0 *				
120	60	170	21.9	72.8	5.0 *	5.0 *								
120	70	40	78.8	193.2	18.6 *	18.6 *								
120	70	50	75.7	190.9	17.8 *	17.8 *								
120	70	60	72.5	188.1	16.9 *	16.9 *	77.9	188.0	15.1 *	15.1 *				
120	70	70	69.3	184.6	16.1 *	16.1 *	74.7	184.7	13.8 *	13.8 *	79.6	181.6	9.6 *	9.6 *
120	70	80	66.1	180.5	15.2 *	15.2 *	71.4	180.8	12.3 *	12.3 *	76.2	177.6	8.3 *	8.3 *
120	70	90	62.7	175.7	13.8 *	13.8 *	68.0	176.1	10.7 *	10.7 *	72.7	172.9	7.4 *	7.4 *
120	70	100	59.3	170.2	12.2 *	12.2 *	64.5	170.7	9.1 *	9.1 *	69.1	167.3	6.7 *	6.7 *
120	70	110	55.7	163.8	10.6 *	10.6 *	60.9	164.4	7.7 *	7.7 *	65.4	160.9	5.9 *	5.9 *
120	70	120	52.0	156.5	8.8 *	8.8 *	57.1	157.1	6.9 *	6.9 *	61.5	153.4	5.1 *	5.1 *
120	70	130	48.0	148.1	7.5 *	7.5 *	53.1	148.8	6.1 *	6.1 *	57.3	144.8	4.7 *	4.7 *
120	70	140	43.8	138.4	6.7 *	6.7 *	48.9	139.1	5.3 *	5.3 *	52.8	134.6	4.4 *	4.4 *
120	70	150	39.3	127.1	5.8 *	5.8 *	44.2	127.8	4.8 *	4.8 *	47.9	122.6	4.1 *	4.1 *
120	70	160	34.3	113.7	4.9 *	4.9 *	39.1	114.2	4.4 *	4.4 *				
120	70	170	28.5	97.3	4.5 *	4.5 *	33.1	97.5	4.0 *	4.0 *				
120	70	180	21.3	75.7	4.0 *	4.0 *								
130	30	35	78.4	163.5	29.6 *	29.6 *								
130	30	40	76.6	162.4	29.1 *	29.1 *	79.3	162.1	26.4 *	26.4 *				
130	30	50	72.9	159.7	28.0 *	28.0 *	75.6	159.5	25.4 *	25.4 *	78.0	157.6	21.1 *	21.1 *
130	30	60	69.1	156.2	26.9 *	26.9 *	71.8	156.1	24.3 *	24.3 *	74.1	154.2	19.5 *	19.5 *
130	30	70	65.2	152.0	25.8 *	25.8 *	67.9	151.9	23.3 *	23.3 *	70.2	150.0	18.2 *	18.2 *
130	30	80	61.2	146.9	22.9	21.6	63.8	146.9	22.2 *	22.0	66.0	144.9	17.1 *	17.1 *
130	30	90	57.0	140.9	19.5	18.2	59.6	140.9	19.9	18.6	61.7	138.9	16.2 *	16.2 *

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
130	30	100	52.7	133.8	16.7	15.5	55.2	133.9	17.1	15.9	57.2	131.7	15.4 *	15.4 *
130	30	110	48.0	125.5	14.5	13.4	50.5	125.6	14.7	13.7	52.4	123.2	14.7 *	13.9
130	30	120	43.0	115.7	12.6	11.6	45.5	115.7	12.8	11.9	47.2	113.0	13.0	12.0
130	30	130	37.4	103.8	11.0	10.1	39.8	103.8	11.2	10.3				
130	30	140	31.1	89.1	9.7	8.9	33.4	88.9	9.9	9.0				
130	30	150	23.2	69.6	8.6	7.8								
130	40	35	79.1	173.6	26.5 *	26.5 *								
130	40	40	77.4	172.5	26.1 *	26.1 *								
130	40	50	73.9	169.9	25.1 *	25.1 *	77.3	169.5	22.6 *	22.6 *				
130	40	60	70.4	166.6	24.2 *	24.2 *	73.8	166.3	21.0 *	21.0 *	76.8	163.9	16.2 *	16.2 *
130	40	70	66.8	162.6	23.2 *	23.2 *	70.1	162.4	19.4 *	19.4 *	73.1	159.9	15.1 *	15.1 *
130	40	80	63.0	157.8	21.6 *	21.6 *	66.4	157.7	17.7 *	17.7 *	69.2	155.2	14.1 *	14.1 *
130	40	90	59.2	152.2	19.7	18.3	62.5	152.2	16.2 *	16.2 *	65.3	149.6	12.9 *	12.9 *
130	40	100	55.2	145.7	16.9	15.7	58.5	145.7	14.9 *	14.9 *	61.1	143.0	11.8 *	11.8 *
130	40	110	51.0	138.1	14.6	13.5	54.2	138.2	13.6 *	13.6 *	56.7	135.2	11.3 *	11.3 *
130	40	120	46.5	129.2	12.8	11.8	49.7	129.3	12.2 *	12.1	52.0	126.1	10.8 *	10.8 *
130	40	130	41.6	118.8	11.2	10.3	44.8	118.9	11.5 *	10.6				
130	40	140	36.3	106.4	9.9	9.1	39.3	106.4	10.1	9.3				
130	40	150	30.1	91.0	8.7	8.0								
130	40	160	22.5	70.7	7.8	7.0								
130	50	35	79.7	183.7	24.0 *	24.0 *								
130	50	40	78.1	182.7	23.6 *	23.6 *								
130	50	50	74.8	180.2	22.7 *	22.7 *	78.9	179.8	20.6 *	20.6 *				
130	50	60	71.5	177.1	21.8 *	21.8 *	75.5	176.8	18.7 *	18.7 *	79.2	174.0	13.5 *	13.5 *
130	50	70	68.1	173.3	20.9 *	20.9 *	72.1	173.1	16.9 *	16.9 *	75.7	170.3	12.0 *	12.0 *
130	50	80	64.7	168.9	19.4 *	19.4 *	68.6	168.8	15.0 *	15.0 *	72.1	165.9	11.1 *	11.1 *
130	50	90	61.1	163.6	17.4 *	17.4 *	65.0	163.7	13.0 *	13.0 *	68.4	160.7	10.1 *	10.1 *
130	50	100	57.4	157.6	15.4 *	15.4 *	61.3	157.7	11.7 *	11.7 *	64.5	154.6	9.2 *	9.2 *
130	50	110	53.5	150.6	13.3 *	13.3 *	57.4	150.8	10.7 *	10.7 *	60.5	147.5	8.4 *	8.4 *
130	50	120	49.4	142.6	11.7 *	11.7 *	53.3	142.8	9.7 *	9.7 *	56.3	139.3	7.9 *	7.9 *
130	50	130	45.1	133.3	10.7 *	10.4	48.9	133.5	8.6 *	8.6 *	51.7	129.6	7.4 *	7.4 *
130	50	140	40.4	122.4	9.5 *	9.2	44.1	122.5	8.0 *	8.0 *				
130	50	150	35.2	109.4	8.4 *	8.1	38.8	109.5	7.5 *	7.5 *				
130	50	160	29.3	93.4	7.7 *	7.2								
130	50	170	21.9	72.4	7.0 *	6.3								
130	60	40	78.8	193.0	21.3 *	21.3 *								
130	60	50	75.7	190.7	20.5 *	20.5 *								
130	60	60	72.5	187.7	19.7 *	19.7 *	77.1	187.5	17.3 *	17.3 *				
130	60	70	69.3	184.2	18.8 *	18.8 *	73.9	184.1	15.4 *	15.4 *	78.0	181.0	9.9 *	9.9 *
130	60	80	66.1	180.1	17.4 *	17.4 *	70.6	180.1	13.4 *	13.4 *	74.7	177.0	8.6 *	8.6 *
130	60	90	62.7	175.2	15.9 *	15.9 *	67.2	175.3	11.4 *	11.4 *	71.2	172.2	7.9 *	7.9 *
130	60	100	59.3	169.6	13.8 *	13.8 *	63.8	169.8	9.3 *	9.3 *	67.6	166.5	7.2 *	7.2 *
130	60	110	55.7	163.2	11.7 *	11.7 *	60.1	163.5	8.3 *	8.3 *	63.9	160.0	6.4 *	6.4 *
130	60	120	52.0	155.8	9.5 *	9.5 *	56.4	156.2	7.6 *	7.6 *	60.0	152.5	5.8 *	5.8 *
130	60	130	48.0	147.4	8.3 *	8.3 *	52.4	147.8	6.8 *	6.8 *	55.8	143.8	5.6 *	5.6 *
130	60	140	43.8	137.6	7.5 *	7.5 *	48.1	138.0	5.9 *	5.9 *	51.4	133.7	5.3 *	5.3 *
130	60	150	39.3	126.3	6.6 *	6.6 *	43.5	126.6	5.6 *	5.6 *				
130	60	160	34.3	112.8	5.8 *	5.8 *	38.3	113.1	5.3 *	5.3 *				
130	60	170	28.5	96.4	5.4 *	5.4 *								
130	60	180	21.3	74.7	5.0 *	5.0 *								
130	70	40	79.3	203.4	18.7 *	18.7 *								
130	70	50	76.4	201.2	18.0 *	18.0 *								
130	70	60	73.4	198.5	17.2 *	17.2 *	78.5	198.4	15.3 *	15.3 *				
130	70	70	70.4	195.3	16.4 *	16.4 *	75.5	195.3	14.2 *	14.2 *				
130	70	80	67.3	191.4	15.5 *	15.5 *	72.4	191.6	12.7 *	12.7 *	77.0	188.3	8.7 *	8.7 *
130	70	90	64.2	186.9	14.1 *	14.1 *	69.2	187.2	11.3 *	11.3 *	73.7	183.9	7.6 *	7.6 *
130	70	100	61.0	181.7	12.9 *	12.9 *	66.0	182.1	9.7 *	9.7 *	70.4	178.7	6.9 *	6.9 *
130	70	110	57.6	175.7	11.5 *	11.5 *	62.6	176.3	8.2 *	8.2 *	66.9	172.7	6.2 *	6.2 *
130	70	120	54.2	169.0	9.8 *	9.8 *	59.1	169.6	7.3 *	7.3 *	63.3	165.8	5.5 *	5.5 *
130	70	130	50.6	161.3	8.2 *	8.2 *	55.4	161.9	6.6 *	6.6 *	59.4	157.9	4.9 *	4.9 *
130	70	140	46.7	152.4	7.3 *	7.3 *	51.6	153.1	5.8 *	5.8 *	55.4	148.8	4.6 *	4.6 *

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
130	70	150	42.7	142.3	6.5 *	6.5 *	47.4	143.0	5.0 *	5.0 *	51.1	138.2	4.3 *	4.3 *
130	70	160	38.3	130.6	5.6 *	5.6 *	42.9	131.2	4.7 *	4.7 *	46.3	125.7	4.0 *	4.0 *
130	70	170	33.4	116.7	4.8 *	4.8 *	37.9	117.2	4.3 *	4.3 *				
130	70	180	27.7	99.8	4.5 *	4.5 *								
130	70	190	20.7	77.5	4.0 *	4.0 *								
140	30	35	79.1	173.7	29.8 *	29.8 *								
140	30	40	77.4	172.7	29.3 *	29.3 *	80.0	172.4	26.6 *	26.6 *				
140	30	50	73.9	170.1	28.3 *	28.3 *	76.5	169.9	25.6 *	25.6 *	78.8	168.0	21.4 *	21.4 *
140	30	60	70.4	166.9	27.3 *	27.3 *	72.9	166.7	24.6 *	24.6 *	75.1	164.8	19.9 *	19.9 *
140	30	70	66.8	162.9	26.2 *	25.6	69.3	162.8	23.7 *	23.7 *	71.4	160.9	18.6 *	18.6 *
140	30	80	63.0	158.2	22.7	21.3	65.5	158.2	22.7 *	21.8	67.6	156.2	17.5 *	17.5 *
140	30	90	59.2	152.7	19.2	17.9	61.7	152.7	19.7	18.4	63.7	150.6	16.5 *	16.5 *
140	30	100	55.2	146.2	16.4	15.3	57.6	146.2	16.8	15.6	59.5	144.1	15.7 *	15.7 *
140	30	110	51.0	138.7	14.2	13.1	53.4	138.7	14.5	13.4	55.2	136.4	14.8	13.7
140	30	120	46.5	129.9	12.3	11.4	48.8	129.9	12.6	11.6	50.5	127.4	12.8	11.8
140	30	130	41.6	119.5	10.8	9.9	43.9	119.5	11.0	10.1				
140	30	140	36.3	107.1	9.5	8.6	38.5	107.1	9.6	8.8				
140	30	150	30.1	91.8	8.3	7.5								
140	30	160	22.5	71.6	7.3	6.6								
140	40	35	79.7	183.7	26.7 *	26.7 *								
140	40	40	78.1	182.7	26.2 *	26.2 *								
140	40	50	74.8	180.3	25.4 *	25.4 *	78.1	179.9	22.9 *	22.9 *				
140	40	60	71.5	177.2	24.5 *	24.5 *	74.7	176.8	21.4 *	21.4 *	77.6	174.4	16.5 *	16.5 *
140	40	70	68.1	173.4	23.6 *	23.6 *	71.3	173.2	19.9 *	19.9 *	74.1	170.7	15.4 *	15.4 *
140	40	80	64.7	169.0	22.3 *	21.5	67.8	168.8	18.4 *	18.4 *	70.5	166.3	14.5 *	14.5 *
140	40	90	61.1	163.8	19.4	18.1	64.2	163.7	16.8 *	16.8 *	66.8	161.1	13.4 *	13.4 *
140	40	100	57.4	157.7	16.6	15.4	60.5	157.7	15.6 *	15.6 *	63.0	155.0	12.2 *	12.2 *
140	40	110	53.5	150.8	14.4	13.3	56.6	150.8	14.3 *	13.7	59.0	148.0	11.6 *	11.6 *
140	40	120	49.4	142.7	12.5	11.5	52.5	142.8	12.9	11.9	54.8	139.7	11.1 *	11.1 *
140	40	130	45.1	133.4	10.9	10.0	48.1	133.5	11.3	10.3	50.3	130.1	10.6 *	10.6
140	40	140	40.4	122.6	9.6	8.8	43.3	122.6	9.9	9.0				
140	40	150	35.2	109.6	8.5	7.7	38.1	109.5	8.7	7.9				
140	40	160	29.3	93.7	7.5	6.8								
140	50	40	78.8	192.9	23.7 *	23.7 *								
140	50	50	75.7	190.5	22.9 *	22.9 *	79.5	190.1	20.7 *	20.7 *				
140	50	60	72.5	187.6	22.1 *	22.1 *	76.3	187.3	19.2 *	19.2 *	79.8	184.4	13.8 *	13.8 *
140	50	70	69.3	184.1	21.2 *	21.2 *	73.1	183.8	17.4 *	17.4 *	76.5	181.0	12.2 *	12.2 *
140	50	80	66.1	179.9	20.0 *	20.0 *	69.8	179.7	15.6 *	15.6 *	73.2	176.8	11.3 *	11.3 *
140	50	90	62.7	175.0	18.3 *	18.2	66.5	175.0	13.8 *	13.8 *	69.7	172.0	10.5 *	10.5 *
140	50	100	59.3	169.4	16.4 *	15.5	63.0	169.4	12.1 *	12.1 *	66.1	166.3	9.6 *	9.6 *
140	50	110	55.7	162.9	14.5	13.4	59.4	163.0	11.2 *	11.2 *	62.4	159.8	8.6 *	8.6 *
140	50	120	52.0	155.6	12.4 *	11.6	55.6	155.7	10.3 *	10.3 *	58.5	152.3	8.2 *	8.2 *
140	50	130	48.0	147.1	11.1	10.2	51.6	147.3	9.3 *	9.3 *	54.4	143.6	7.7 *	7.7 *
140	50	140	43.8	137.3	9.7	8.9	47.4	137.5	8.4 *	8.4 *	50.0	133.4	7.2 *	7.2 *
140	50	150	39.3	126.0	8.6	7.8	42.8	126.1	7.9 *	7.9 *				
140	50	160	34.3	112.5	7.6	6.9	37.6	112.5	7.4 *	7.1				
140	50	170	28.5	96.0	6.7	6.1								
140	60	40	79.3	203.2	21.5 *	21.5 *								
140	60	50	76.4	201.0	20.7 *	20.7 *								
140	60	60	73.4	198.2	19.9 *	19.9 *	77.8	197.9	17.7 *	17.7 *				
140	60	70	70.4	194.9	19.1 *	19.1 *	74.8	194.7	15.9 *	15.9 *	78.7	191.6	10.3 *	10.3 *
140	60	80	67.3	191.0	17.7 *	17.7 *	71.7	190.9	14.0 *	14.0 *	75.5	187.7	8.8 *	8.8 *
140	60	90	64.2	186.4	16.1 *	16.1 *	68.5	186.5	12.1 *	12.1 *	72.3	183.2	8.1 *	8.1 *
140	60	100	61.0	181.2	14.8 *	14.8 *	65.2	181.3	10.2 *	10.2 *	68.9	178.0	7.4 *	7.4 *
140	60	110	57.6	175.2	12.9 *	12.9 *	61.9	175.4	8.7 *	8.7 *	65.4	171.9	6.7 *	6.7 *
140	60	120	54.2	168.3	10.8 *	10.8 *	58.4	168.7	8.0 *	8.0 *	61.8	165.0	6.0 *	6.0 *
140	60	130	50.6	160.6	8.8 *	8.8 *	54.7	160.9	7.3 *	7.3 *	58.0	157.1	5.7 *	5.7 *
140	60	140	46.7	151.7	8.1 *	8.1 *	50.8	152.1	6.5 *	6.5 *	54.0	147.9	5.5 *	5.5 *
140	60	150	42.7	141.6	7.3 *	7.3 *	46.7	141.9	5.9 *	5.9 *	49.7	137.3	5.2 *	5.2 *
140	60	160	38.3	129.8	6.4 *	6.4 *	42.2	130.1	5.6 *	5.6 *				
140	60	170	33.4	115.9	5.8 *	5.8 *	37.2	116.0	5.2 *	5.2 *				

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
140	60	180	27.7	98.9	5.4 *	5.4 *								
140	70	40	79.8	213.6	18.9 *	18.9 *								
140	70	50	77.1	211.5	18.1 *	18.1 *								
140	70	60	74.2	208.9	17.4 *	17.4 *	79.1	208.8	15.5 *	15.5 *				
140	70	70	71.4	205.8	16.6 *	16.6 *	76.2	205.8	14.5 *	14.5 *				
140	70	80	68.5	202.2	15.8 *	15.8 *	73.3	202.3	13.1 *	13.1 *	77.7	199.0	9.0 *	9.0 *
140	70	90	65.5	197.9	14.3 *	14.3 *	70.3	198.1	11.8 *	11.8 *	74.6	194.8	7.8 *	7.8 *
140	70	100	62.5	193.0	13.1 *	13.1 *	67.2	193.4	10.3 *	10.3 *	71.4	189.9	7.1 *	7.1 *
140	70	110	59.4	187.5	12.0 *	12.0 *	64.1	187.9	8.9 *	8.9 *	68.2	184.3	6.5 *	6.5 *
140	70	120	56.1	181.2	10.8 *	10.8 *	60.8	181.7	7.7 *	7.7 *	64.8	177.9	5.8 *	5.8 *
140	70	130	52.8	174.0	9.2 *	9.2 *	57.4	174.6	7.0 *	7.0 *	61.3	170.6	5.1 *	5.1 *
140	70	140	49.3	165.9	7.8 *	7.8 *	53.9	166.5	6.3 *	6.3 *	57.6	162.3	4.8 *	4.8 *
140	70	150	45.6	156.7	7.0 *	7.0 *	50.1	157.4	5.5 *	5.5 *	53.7	152.7	4.5 *	4.5 *
140	70	160	41.6	146.2	6.2 *	6.2 *	46.1	146.8	4.9 *	4.9 *	49.4	141.7	4.2 *	4.2 *
140	70	170	37.3	134.0	5.4 *	5.4 *	41.7	134.6	4.6 *	4.6 *				
140	70	180	32.5	119.7	4.8 *	4.8 *	36.8	120.0	4.3 *	4.3 *				
140	70	190	27.0	102.2	4.4 *	4.4 *								
140	70	200	20.2	79.4	4.0 *	4.0 *								
150	30	35	79.7	183.9	29.9 *	29.9 *								
150	30	40	78.1	182.9	29.5 *	29.5 *								
150	30	50	74.8	180.5	28.5 *	28.5 *	77.3	180.2	25.8 *	25.8 *	79.4	178.4	21.7 *	21.7 *
150	30	60	71.5	177.5	27.6 *	27.6 *	73.9	177.3	24.9 *	24.9 *	76.0	175.4	20.2 *	20.2 *
150	30	70	68.1	173.8	26.6 *	25.3	70.5	173.6	24.0 *	24.0 *	72.6	171.7	18.9 *	18.9 *
150	30	80	64.7	169.4	22.4	21.0	67.0	169.3	22.9	21.6	69.0	167.3	17.8 *	17.8 *
150	30	90	61.1	164.2	19.0	17.6	63.4	164.2	19.5	18.1	65.3	162.2	16.9 *	16.9 *
150	30	100	57.4	158.2	16.2	15.0	59.7	158.3	16.6	15.4	61.5	156.1	16.1 *	15.7
150	30	110	53.5	151.3	13.9	12.8	55.8	151.4	14.3	13.2	57.6	149.1	14.6	13.5
150	30	120	49.4	143.4	12.1	11.1	51.7	143.4	12.4	11.4	53.4	141.0	12.6	11.6
150	30	130	45.1	134.1	10.5	9.6	47.3	134.1	10.8	9.9	48.9	131.5	10.9	10.0
150	30	140	40.4	123.3	9.2	8.4	42.6	123.3	9.4	8.6				
150	30	150	35.2	110.3	8.1	7.3	37.3	110.2	8.2	7.4				
150	30	160	29.3	94.5	7.1	6.3								
150	30	170	21.9	73.5	6.2	5.5								
150	40	40	78.8	193.0	26.4 *	26.4 *								
150	40	50	75.7	190.6	25.6 *	25.6 *	78.7	190.2	23.2 *	23.2 *				
150	40	60	72.5	187.7	24.8 *	24.8 *	75.6	187.3	21.8 *	21.8 *	78.3	184.9	16.7 *	16.7 *
150	40	70	69.3	184.2	23.9 *	23.9 *	72.4	183.9	20.4 *	20.4 *	75.0	181.4	15.6 *	15.6 *
150	40	80	66.1	180.0	22.5	21.2	69.1	179.8	18.9 *	18.9 *	71.7	177.3	14.7 *	14.7 *
150	40	90	62.7	175.1	19.1	17.8	65.7	175.0	17.4 *	17.4 *	68.2	172.4	13.8 *	13.8 *
150	40	100	59.3	169.5	16.3	15.1	62.2	169.5	16.1 *	15.7	64.7	166.8	12.7 *	12.7 *
150	40	110	55.7	163.1	14.1	13.0	58.6	163.1	14.5	13.5	61.0	160.3	11.8 *	11.8 *
150	40	120	52.0	155.7	12.2	11.2	54.9	155.7	12.6	11.6	57.1	152.8	11.4 *	11.4 *
150	40	130	48.0	147.3	10.7	9.8	50.9	147.3	11.0	10.1	53.0	144.1	10.9 *	10.4
150	40	140	43.8	137.5	9.3	8.5	46.6	137.5	9.6	8.8	48.6	134.0	9.9	9.0
150	40	150	39.3	126.2	8.2	7.4	42.0	126.2	8.5	7.7				
150	40	160	34.3	112.7	7.2	6.5	36.9	112.6	7.4	6.7				
150	40	170	28.5	96.2	6.3	5.7								
150	50	40	79.3	203.1	23.9 *	23.9 *								
150	50	50	76.4	200.9	23.1 *	23.1 *								
150	50	60	73.4	198.1	22.3 *	22.3 *	77.1	197.7	19.6 *	19.6 *				
150	50	70	70.4	194.8	21.5 *	21.5 *	74.0	194.5	17.9 *	17.9 *	77.2	191.5	12.4 *	12.4 *
150	50	80	67.3	190.8	20.2 *	20.2 *	70.9	190.6	16.2 *	16.2 *	74.1	187.6	11.6 *	11.6 *
150	50	90	64.2	186.2	18.7 *	17.9	67.8	186.1	14.5 *	14.5 *	70.8	183.1	10.7 *	10.7 *
150	50	100	61.0	181.0	16.5	15.3	64.5	180.9	12.7 *	12.7 *	67.5	177.8	9.9 *	9.9 *
150	50	110	57.6	175.0	14.2	13.1	61.1	175.0	11.7 *	11.7 *	64.1	171.8	9.0 *	9.0 *
150	50	120	54.2	168.1	12.3	11.4	57.6	168.2	10.8 *	10.8 *	60.5	164.8	8.4 *	8.4 *
150	50	130	50.6	160.3	10.8	9.9	54.0	160.5	9.9 *	9.9 *	56.7	156.9	8.0 *	8.0 *
150	50	140	46.7	151.4	9.5	8.6	50.1	151.6	8.9 *	8.9 *	52.7	147.7	7.5 *	7.5 *
150	50	150	42.7	141.3	8.3	7.6	46.0	141.4	8.2 *	7.9	48.4	137.1	7.1 *	7.1 *
150	50	160	38.3	129.5	7.3	6.6	41.5	129.5	7.6	6.9				
150	50	170	33.4	115.5	6.5	5.8	36.5	115.4	6.7	6.0				

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
150	50	180	27.7	98.5	5.7	5.1								
150	60	40	79.8	213.4	21.6 *	21.6 *								
150	60	50	77.1	211.3	20.9 *	20.9 *								
150	60	60	74.2	208.6	20.1 *	20.1 *	78.4	208.3	18.0 *	18.0 *				
150	60	70	71.4	205.5	19.3 *	19.3 *	75.5	205.3	16.4 *	16.4 *	79.3	202.0	10.6 *	10.6 *
150	60	80	68.5	201.8	17.8 *	17.8 *	72.6	201.7	14.6 *	14.6 *	76.3	198.4	8.9 *	8.9 *
150	60	90	65.5	197.5	16.3 *	16.3 *	69.6	197.5	12.8 *	12.8 *	73.2	194.2	8.3 *	8.3 *
150	60	100	62.5	192.6	15.0 *	15.0 *	66.5	192.6	11.0 *	11.0 *	70.1	189.3	7.7 *	7.7 *
150	60	110	59.4	186.9	13.8 *	13.2	63.4	187.1	9.1 *	9.1 *	66.8	183.6	7.0 *	7.0 *
150	60	120	56.1	180.6	11.9 *	11.5	60.1	180.8	8.3 *	8.3 *	63.5	177.2	6.3 *	6.3 *
150	60	130	52.8	173.4	9.9 *	9.9 *	56.7	173.7	7.7 *	7.7 *	60.0	169.8	5.8 *	5.8 *
150	60	140	49.3	165.2	8.6 *	8.6 *	53.2	165.5	7.0 *	7.0 *	56.3	161.5	5.6 *	5.6 *
150	60	150	45.6	156.0	7.8 *	7.7	49.4	156.3	6.2 *	6.2 *	52.4	151.9	5.3 *	5.3 *
150	60	160	41.6	145.4	7.0 *	6.7	45.4	145.7	5.8 *	5.8 *	48.2	140.8	5.1 *	5.1 *
150	60	170	37.3	133.2	6.2 *	5.9	41.0	133.4	5.5 *	5.5 *				
150	60	180	32.5	118.8	5.7 *	5.2	36.2	118.8	5.2 *	5.2 *				
150	60	190	27.0	101.3	5.1	4.5								
150	70	50	77.7	221.8	18.3 *	18.3 *								
150	70	60	75.0	219.3	17.6 *	17.6 *	79.6	219.1	15.6 *	15.6 *				
150	70	70	72.3	216.4	16.9 *	16.9 *	76.9	216.3	14.8 *	14.8 *				
150	70	80	69.5	212.9	16.0 *	16.0 *	74.1	212.9	13.5 *	13.5 *	78.3	209.5	9.2 *	9.2 *
150	70	90	66.7	208.9	14.5 *	14.5 *	71.3	209.0	12.2 *	12.2 *	75.4	205.6	7.9 *	7.9 *
150	70	100	63.8	204.3	13.3 *	13.3 *	68.4	204.5	10.9 *	10.9 *	72.4	201.0	7.3 *	7.3 *
150	70	110	60.9	199.0	12.1 *	12.1 *	65.4	199.4	9.5 *	9.5 *	69.3	195.7	6.7 *	6.7 *
150	70	120	57.9	193.1	11.2 *	11.2 *	62.3	193.5	8.0 *	8.0 *	66.2	189.8	6.1 *	6.1 *
150	70	130	54.7	186.4	10.1 *	10.1	59.2	186.9	7.4 *	7.4 *	62.9	183.0	5.4 *	5.4 *
150	70	140	51.5	178.9	8.6 *	8.6 *	55.9	179.5	6.7 *	6.7 *	59.5	175.3	4.9 *	4.9 *
150	70	150	48.1	170.4	7.5 *	7.5 *	52.4	171.0	6.0 *	6.0 *	55.9	166.6	4.6 *	4.6 *
150	70	160	44.5	160.8	6.8 *	6.8	48.8	161.4	5.3 *	5.3 *	52.1	156.6	4.4 *	4.4 *
150	70	170	40.6	149.9	6.0 *	6.0	44.9	150.5	4.8 *	4.8 *	48.0	145.0	4.1 *	4.1 *
150	70	180	36.4	137.4	5.2 *	5.2 *	40.6	137.8	4.5 *	4.5 *				
150	70	190	31.8	122.6	4.7 *	4.6	35.8	122.8	4.2 *	4.2 *				
150	70	200	26.4	104.6	4.4 *	4.0								
160	30	40	78.8	193.1	29.7 *	29.7 *								
160	30	50	75.7	190.9	28.8 *	28.8 *	77.9	190.6	26.0 *	26.0 *				
160	30	60	72.5	188.0	27.9 *	27.9 *	74.8	187.8	25.1 *	25.1 *	76.8	185.9	20.5 *	20.5 *
160	30	70	69.3	184.5	26.8	25.1	71.6	184.3	24.3 *	24.3 *	73.6	182.4	19.2 *	19.2 *
160	30	80	66.1	180.4	22.3	20.8	68.3	180.3	22.7	21.4	70.2	178.3	18.1 *	18.1 *
160	30	90	62.7	175.6	18.7	17.4	65.0	175.5	19.2	17.9	66.8	173.5	17.2 *	17.2 *
160	30	100	59.3	170.0	15.9	14.7	61.5	170.0	16.4	15.2	63.3	167.9	16.4 *	15.5
160	30	110	55.7	163.6	13.7	12.6	57.9	163.6	14.0	13.0	59.6	161.4	14.3	13.3
160	30	120	52.0	156.3	11.8	10.8	54.1	156.3	12.1	11.1	55.8	154.0	12.4	11.4
160	30	130	48.0	147.9	10.2	9.3	50.2	147.9	10.5	9.6	51.7	145.4	10.7	9.8
160	30	140	43.8	138.2	8.9	8.1	45.9	138.2	9.2	8.3	47.3	135.4	9.3	8.5
160	30	150	39.3	126.9	7.8	7.0	41.3	126.8	8.0	7.2				
160	30	160	34.3	113.5	6.8	6.1	36.2	113.3	6.9	6.2				
160	30	170	28.5	97.0	5.9	5.2								
160	30	180	21.3	75.4	5.2	4.5								
160	40	40	79.3	203.1	26.6 *	26.6 *								
160	40	50	76.4	200.9	25.8 *	25.8 *	79.3	200.5	23.3 *	23.3 *				
160	40	60	73.4	198.2	25.0 *	25.0 *	76.3	197.8	22.1 *	22.1 *	78.9	195.3	16.9 *	16.9 *
160	40	70	70.4	194.8	24.2 *	24.2 *	73.3	194.5	20.8 *	20.8 *	75.8	192.0	15.8 *	15.8 *
160	40	80	67.3	190.9	22.3	20.9	70.2	190.7	19.4 *	19.4 *	72.7	188.1	14.9 *	14.9 *
160	40	90	64.2	186.3	18.9	17.5	67.0	186.2	18.0 *	18.0 *	69.5	183.6	14.2 *	14.2 *
160	40	100	61.0	181.1	16.1	14.9	63.8	181.0	16.6 *	15.4	66.1	178.3	13.2 *	13.2 *
160	40	110	57.6	175.1	13.8	12.7	60.4	175.0	14.3	13.2	62.7	172.3	12.1 *	12.1 *
160	40	120	54.2	168.3	11.9	11.0	56.9	168.3	12.4	11.4	59.1	165.3	11.6 *	11.6 *
160	40	130	50.6	160.5	10.4	9.5	53.3	160.5	10.8	9.9	55.4	157.4	11.1	10.2
160	40	140	46.7	151.6	9.1	8.2	49.4	151.7	9.4	8.6	51.4	148.3	9.6	8.8
160	40	150	42.7	141.5	7.9	7.2	45.3	141.5	8.2	7.4				
160	40	160	38.3	129.7	6.9	6.2	40.8	129.6	7.2	6.4				

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
160	40	170	33.4	115.7	6.1	5.4	35.9	115.6	6.3	5.6				
160	40	180	27.7	98.7	5.3	4.7								
160	50	40	79.8	213.3	24.0 *	24.0 *								
160	50	50	77.1	211.2	23.3 *	23.3 *								
160	50	60	74.2	208.5	22.5 *	22.5 *	77.7	208.1	19.9 *	19.9 *				
160	50	70	71.4	205.4	21.8 *	21.8 *	74.8	205.0	18.3 *	18.3 *	77.9	202.0	12.8 *	12.8 *
160	50	80	68.5	201.6	20.4 *	20.4 *	71.9	201.4	16.7 *	16.7 *	74.9	198.4	11.8 *	11.8 *
160	50	90	65.5	197.3	18.8 *	17.7	68.9	197.1	15.1 *	15.1 *	71.9	194.1	11.0 *	11.0 *
160	50	100	62.5	192.4	16.2	15.0	65.8	192.3	13.4 *	13.4 *	68.7	189.2	10.2 *	10.2 *
160	50	110	59.4	186.7	13.9	12.8	62.7	186.7	12.1 *	12.1 *	65.5	183.5	9.4 *	9.4 *
160	50	120	56.1	180.3	12.1	11.1	59.4	180.4	11.2 *	11.2 *	62.2	177.0	8.5 *	8.5 *
160	50	130	52.8	173.1	10.5	9.6	56.1	173.2	10.4 *	10.1	58.7	169.7	8.2 *	8.2 *
160	50	140	49.3	164.9	9.2	8.4	52.5	165.1	9.5 *	8.8	55.0	161.3	7.8 *	7.8 *
160	50	150	45.6	155.7	8.0	7.3	48.8	155.8	8.4	7.6	51.1	151.8	7.4 *	7.4 *
160	50	160	41.6	145.1	7.1	6.3	44.7	145.2	7.4	6.6				
160	50	170	37.3	132.9	6.2	5.5	40.4	132.9	6.5	5.8				
160	50	180	32.5	118.5	5.4	4.8	35.5	118.3	5.6	5.0				
160	50	190	27.0	100.9	4.7	4.1								
160	60	50	77.7	221.5	21.0 *	21.0 *								
160	60	60	75.0	219.0	20.3 *	20.3 *	78.9	218.6	18.2 *	18.2 *				
160	60	70	72.3	216.0	19.6 *	19.6 *	76.2	215.7	16.8 *	16.8 *	79.8	212.5	10.9 *	10.9 *
160	60	80	69.5	212.5	18.0 *	18.0 *	73.4	212.3	15.1 *	15.1 *	77.0	209.0	9.2 *	9.2 *
160	60	90	66.7	208.4	16.5 *	16.5 *	70.6	208.4	13.4 *	13.4 *	74.1	205.0	8.5 *	8.5 *
160	60	100	63.8	203.8	15.2 *	15.1	67.7	203.8	11.7 *	11.7 *	71.1	200.4	7.9 *	7.9 *
160	60	110	60.9	198.5	14.0 *	12.9	64.7	198.6	9.9 *	9.9 *	68.1	195.1	7.3 *	7.3 *
160	60	120	57.9	192.5	12.2	11.2	61.7	192.7	8.7 *	8.7 *	64.9	189.1	6.6 *	6.6 *
160	60	130	54.7	185.8	10.6	9.7	58.5	186.0	8.0 *	8.0 *	61.7	182.2	6.0 *	6.0 *
160	60	140	51.5	178.2	9.2 *	8.4	55.2	178.5	7.4 *	7.4 *	58.2	174.5	5.7 *	5.7 *
160	60	150	48.1	169.7	8.1	7.4	51.8	170.0	6.7 *	6.7 *	54.7	165.7	5.5 *	5.5 *
160	60	160	44.5	160.1	7.2	6.4	48.1	160.4	5.9 *	5.9 *	50.9	155.7	5.2 *	5.2 *
160	60	170	40.6	149.1	6.3	5.6	44.2	149.4	5.7 *	5.7 *	46.8	144.2	5.0 *	5.0 *
160	60	180	36.4	136.5	5.5	4.9	40.0	136.7	5.4 *	5.2				
160	60	190	31.8	121.7	4.8	4.2	35.2	121.6	5.1	4.5				
160	60	200	26.4	103.6	4.2	3.7								
160	70	50	78.2	232.0	18.4 *	18.4 *								
160	70	60	75.6	229.7	17.8 *	17.8 *								
160	70	70	73.1	226.8	17.1 *	17.1 *	77.5	226.7	15.0 *	15.0 *				
160	70	80	70.4	223.5	16.1 *	16.1 *	74.8	223.5	13.9 *	13.9 *	78.8	220.0	9.4 *	9.4 *
160	70	90	67.8	219.7	14.7 *	14.7 *	72.1	219.8	12.6 *	12.6 *	76.1	216.3	8.2 *	8.2 *
160	70	100	65.0	215.3	13.4 *	13.4 *	69.4	215.5	11.3 *	11.3 *	73.3	211.9	7.5 *	7.5 *
160	70	110	62.3	210.4	12.3 *	12.3 *	66.6	210.7	10.0 *	10.0 *	70.4	207.0	6.9 *	6.9 *
160	70	120	59.4	204.8	11.3 *	11.3	63.7	205.2	8.7 *	8.7 *	67.4	201.4	6.3 *	6.3 *
160	70	130	56.5	198.5	10.4 *	9.8	60.7	199.0	7.7 *	7.7 *	64.4	195.0	5.7 *	5.7 *
160	70	140	53.4	191.5	9.4	8.5	57.7	192.0	7.1 *	7.1 *	61.2	187.9	5.1 *	5.1 *
160	70	150	50.3	183.6	8.0 *	7.4	54.5	184.2	6.4 *	6.4 *	57.8	179.8	4.8 *	4.8 *
160	70	160	46.9	174.8	7.2	6.5	51.1	175.4	5.7 *	5.7 *	54.3	170.7	4.5 *	4.5 *
160	70	170	43.4	164.9	6.4	5.7	47.5	165.4	5.0 *	5.0 *	50.6	160.3	4.2 *	4.2 *
160	70	180	39.7	153.6	5.6	5.0	43.7	154.1	4.7 *	4.7 *	46.6	148.3	3.8 *	3.8 *
160	70	190	35.6	140.6	4.9	4.3	39.5	141.0	4.4 *	4.4 *				
160	70	200	31.0	125.4	4.3	3.7	34.9	125.5	4.1 *	4.0				
160	70	210	25.8	106.9	3.8	3.2								
170	30	40	79.3	203.3	29.8 *	29.8 *								
170	30	50	76.4	201.2	29.0 *	29.0 *	78.6	200.9	26.2 *	26.2 *				
170	30	60	73.4	198.4	28.1 *	28.1 *	75.6	198.2	25.4 *	25.4 *	77.5	196.3	20.7 *	20.7 *
170	30	70	70.4	195.2	26.6	24.8	72.6	195.0	24.5 *	24.5 *	74.4	193.0	19.5 *	19.5 *
170	30	80	67.3	191.3	22.0	20.5	69.5	191.1	22.5	21.1	71.3	189.2	18.4 *	18.4 *
170	30	90	64.2	186.8	18.5	17.1	66.3	186.7	19.0	17.7	68.1	184.6	17.5 *	17.5 *
170	30	100	61.0	181.5	15.7	14.5	63.1	181.5	16.1	14.9	64.8	179.4	16.5	15.3
170	30	110	57.6	175.6	13.4	12.3	59.7	175.6	13.8	12.7	61.4	173.4	14.1	13.0
170	30	120	54.2	168.8	11.5	10.5	56.2	168.8	11.9	10.9	57.8	166.5	12.2	11.2
170	30	130	50.6	161.1	10.0	9.1	52.6	161.1	10.3	9.4	54.1	158.7	10.5	9.6

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Degrees Jib Pt Height (ft)	0 Degrees ABC+20 Ctwt (kips)	0 Degrees ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Degrees Jib Pt Height (ft)	15 Degrees ABC+20 Ctwt (kips)	15 Degrees ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Degrees Jib Pt Height (ft)	30 Degrees ABC+20 Ctwt (kips)	30 Degrees ABC+0 Ctwt (kips)
170	30	140	46.7	152.3	8.6	7.8	48.7	152.3	8.9	8.1	50.2	149.6	9.1	8.3
170	30	150	42.7	142.1	7.5	6.7	44.6	142.1	7.7	7.0				
170	30	160	38.3	130.4	6.5	5.8	40.2	130.3	6.7	6.0				
170	30	170	33.4	116.5	5.7	5.0	35.2	116.3	5.8	5.1				
170	30	180	27.7	99.5	4.9	4.2								
170	40	40	79.8	213.3	26.7 *	26.7 *								
170	40	50	77.1	211.2	26.0 *	26.0 *	79.8	210.7	23.5 *	23.5 *				
170	40	60	74.2	208.6	25.2 *	25.2 *	77.0	208.2	22.4 *	22.4 *	79.5	205.6	17.1 *	17.1 *
170	40	70	71.4	205.4	24.4 *	24.4 *	74.1	205.1	21.1 *	21.1 *	76.6	202.5	16.0 *	16.0 *
170	40	80	68.5	201.7	22.2	20.7	71.2	201.5	19.8 *	19.8 *	73.6	198.9	15.2 *	15.2 *
170	40	90	65.5	197.4	18.6	17.3	68.2	197.2	18.5 *	18.0	70.5	194.6	14.4 *	14.4 *
170	40	100	62.5	192.5	15.8	14.6	65.2	192.3	16.4	15.2	67.4	189.6	13.6 *	13.6 *
170	40	110	59.4	186.9	13.5	12.5	62.0	186.8	14.1	13.0	64.2	184.0	12.6 *	12.6 *
170	40	120	56.1	180.5	11.7	10.7	58.8	180.4	12.1	11.2	60.9	177.5	11.8 *	11.5
170	40	130	52.8	173.3	10.1	9.2	55.4	173.3	10.5	9.6	57.4	170.2	10.9	9.9
170	40	140	49.3	165.1	8.8	8.0	51.8	165.1	9.1	8.3	53.8	161.9	9.4	8.6
170	40	150	45.6	155.9	7.7	6.9	48.1	155.9	8.0	7.2	49.9	152.4	8.2	7.4
170	40	160	41.6	145.3	6.7	5.9	44.1	145.3	6.9	6.2				
170	40	170	37.3	133.1	5.8	5.1	39.7	133.0	6.0	5.3				
170	40	180	32.5	118.7	5.0	4.4	34.9	118.4	5.2	4.6				
170	40	190	27.0	101.2	4.3	3.7								
170	50	50	77.7	221.4	23.4 *	23.4 *								
170	50	60	75.0	218.9	22.7 *	22.7 *	78.3	218.4	20.2 *	20.2 *				
170	50	70	72.3	215.9	22.0 *	22.0 *	75.5	215.5	18.7 *	18.7 *	78.5	212.5	13.1 *	13.1 *
170	50	80	69.5	212.4	20.5 *	20.5 *	72.8	212.1	17.2 *	17.2 *	75.7	209.0	12.0 *	12.0 *
170	50	90	66.7	208.3	18.7	17.4	69.9	208.1	15.7 *	15.7 *	72.8	205.0	11.2 *	11.2 *
170	50	100	63.8	203.6	15.9	14.7	67.0	203.5	14.1 *	14.1 *	69.8	200.3	10.5 *	10.5 *
170	50	110	60.9	198.3	13.7	12.6	64.1	198.2	12.5 *	12.5 *	66.8	195.0	9.7 *	9.7 *
170	50	120	57.9	192.3	11.8	10.8	61.0	192.3	11.6 *	11.4	63.7	189.0	8.9 *	8.9 *
170	50	130	54.7	185.6	10.2	9.3	57.9	185.6	10.7	9.8	60.4	182.1	8.4 *	8.4 *
170	50	140	51.5	178.0	8.9	8.1	54.6	178.1	9.4	8.5	57.0	174.4	8.0 *	8.0 *
170	50	150	48.1	169.4	7.8	7.0	51.1	169.5	8.2	7.4	53.5	165.6	7.6 *	7.6 *
170	50	160	44.5	159.8	6.8	6.1	47.5	159.9	7.1	6.4	49.7	155.7	7.2 *	6.7
170	50	170	40.6	148.8	5.9	5.2	43.6	148.9	6.2	5.5				
170	50	180	36.4	136.2	5.1	4.5	39.3	136.1	5.4	4.8				
170	50	190	31.8	121.3	4.5	3.9	34.6	121.1	4.7	4.1				
170	50	200	26.4	103.3	3.8	3.3								
170	60	50	78.2	231.8	21.2 *	21.2 *								
170	60	60	75.6	229.4	20.5 *	20.5 *	79.4	228.9	18.3 *	18.3 *				
170	60	70	73.1	226.5	19.8 *	19.8 *	76.8	226.2	17.2 *	17.2 *				
170	60	80	70.4	223.2	18.1 *	18.1 *	74.2	222.9	15.6 *	15.6 *	77.6	219.6	9.6 *	9.6 *
170	60	90	67.8	219.3	16.6 *	16.6 *	71.5	219.2	14.0 *	14.0 *	74.8	215.8	8.6 *	8.6 *
170	60	100	65.0	214.9	15.2 *	14.8	68.8	214.8	12.3 *	12.3 *	72.0	211.4	8.1 *	8.1 *
170	60	110	62.3	209.9	13.7	12.7	66.0	209.9	10.6 *	10.6 *	69.1	206.4	7.5 *	7.5 *
170	60	120	59.4	204.3	11.9	10.9	63.1	204.4	8.9 *	8.9 *	66.2	200.7	6.9 *	6.9 *
170	60	130	56.5	197.9	10.3	9.4	60.1	198.1	8.3 *	8.3 *	63.1	194.4	6.3 *	6.3 *
170	60	140	53.4	190.9	9.0	8.2	57.0	191.1	7.7 *	7.7 *	60.0	187.2	5.8 *	5.8 *
170	60	150	50.3	183.0	7.9	7.1	53.8	183.2	7.1 *	7.1 *	56.7	179.1	5.6 *	5.6 *
170	60	160	46.9	174.1	6.9	6.1	50.5	174.4	6.4 *	6.4 *	53.2	169.9	5.4 *	5.4 *
170	60	170	43.4	164.1	6.0	5.3	46.9	164.4	5.9 *	5.7	49.5	159.5	5.1 *	5.1 *
170	60	180	39.7	152.8	5.2	4.6	43.1	153.0	5.6	4.9				
170	60	190	35.6	139.7	4.6	4.0	38.9	139.8	4.8	4.2				
170	60	200	31.0	124.5	3.9	3.4	34.3	124.3	4.2	3.6				
170	60	210	25.8	106.0	3.4	2.8								
170	70	50	78.7	242.2	18.6 *	18.6 *								
170	70	60	76.2	240.0	17.9 *	17.9 *								
170	70	70	73.8	237.3	17.3 *	17.3 *	78.0	237.1	15.2 *	15.2 *				
170	70	80	71.3	234.1	16.2 *	16.2 *	75.5	234.0	14.2 *	14.2 *	79.3	230.5	9.5 *	9.5 *
170	70	90	68.7	230.5	14.8 *	14.8 *	72.9	230.5	13.0 *	13.0 *	76.7	226.9	8.5 *	8.5 *
170	70	100	66.1	226.3	13.5 *	13.5 *	70.3	226.4	11.8 *	11.8 *	74.0	222.8	7.7 *	7.7 *
170	70	110	63.5	221.6	12.4 *	12.4 *	67.7	221.8	10.5 *	10.5 *	71.3	218.1	7.1 *	7.1 *

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
170	70	120	60.8	216.3	11.4 *	11.0	64.9	216.6	9.3 *	9.3 *	68.5	212.8	6.6 *	6.6 *
170	70	130	58.0	210.4	10.4	9.5	62.1	210.8	7.9 *	7.9 *	65.6	206.9	6.0 *	6.0 *
170	70	140	55.2	203.8	9.1	8.2	59.3	204.3	7.4 *	7.4 *	62.6	200.2	5.4 *	5.4 *
170	70	150	52.2	196.5	7.9	7.2	56.3	197.0	6.8 *	6.8 *	59.6	192.7	4.9 *	4.9 *
170	70	160	49.1	188.3	6.9	6.2	53.1	188.8	6.1 *	6.1 *	56.3	184.2	4.5 *	4.5 *
170	70	170	45.9	179.1	6.1	5.4	49.9	179.6	5.5 *	5.5 *	52.9	174.7	4.1 *	4.1 *
170	70	180	42.5	168.8	5.3	4.7	46.4	169.3	4.9 *	4.9 *	49.3	163.9	3.7 *	3.7 *
170	70	190	38.8	157.1	4.6	4.0	42.6	157.6	4.6 *	4.4				
170	70	200	34.8	143.8	4.0	3.4	38.6	144.1	4.3	3.7				
170	70	210	30.4	128.1	3.5	2.9	34.0	128.1	3.7	3.2				
170	70	220	25.3	109.2	3.0	2.5								
180	30	40	79.8	213.5	30.0 *	30.0 *								
180	30	50	77.1	211.4	29.2 *	29.2 *	79.1	211.1	26.3 *	26.3 *				
180	30	60	74.2	208.9	28.4 *	28.4 *	76.3	208.6	25.5 *	25.5 *	78.1	206.7	21.0 *	21.0 *
180	30	70	71.4	205.8	26.3	24.5	73.4	205.5	24.8 *	24.8 *	75.2	203.6	19.8 *	19.8 *
180	30	80	68.5	202.1	21.8	20.3	70.5	201.9	22.2	20.9	72.3	199.9	18.7 *	18.7 *
180	30	90	65.5	197.8	18.2	16.9	67.5	197.7	18.8	17.4	69.2	195.7	17.8 *	17.8 *
180	30	100	62.5	192.9	15.4	14.2	64.5	192.8	15.9	14.7	66.1	190.8	16.3	15.1
180	30	110	59.4	187.3	13.1	12.0	61.3	187.3	13.5	12.5	62.9	185.1	13.9	12.8
180	30	120	56.1	181.0	11.3	10.3	58.1	181.0	11.6	10.6	59.6	178.7	11.9	10.9
180	30	130	52.8	173.8	9.7	8.8	54.7	173.8	10.0	9.1	56.2	171.5	10.3	9.4
180	30	140	49.3	165.7	8.4	7.5	51.2	165.7	8.7	7.8	52.6	163.2	8.9	8.0
180	30	150	45.6	156.5	7.2	6.5	47.4	156.5	7.5	6.7	48.8	153.8	7.7	6.9
180	30	160	41.6	146.0	6.2	5.5	43.5	146.0	6.5	5.7				
180	30	170	37.3	133.8	5.4	4.7	39.1	133.7	5.6	4.9				
180	30	180	32.5	119.5	4.6	4.0	34.3	119.2	4.7	4.1				
180	30	190	27.0	102.0	3.9	3.3								
180	40	50	77.7	221.5	26.1 *	26.1 *								
180	40	60	75.0	219.0	25.4 *	25.4 *	77.6	218.5	22.7 *	22.7 *	80.0	216.0	17.2 *	17.2 *
180	40	70	72.3	216.0	24.7 *	24.7	74.9	215.6	21.5 *	21.5 *	77.2	213.0	16.2 *	16.2 *
180	40	80	69.5	212.5	21.9	20.4	72.1	212.2	20.2 *	20.2 *	74.4	209.5	15.4 *	15.4 *
180	40	90	66.7	208.4	18.3	17.0	69.3	208.1	19.0 *	17.7	71.5	205.5	14.6 *	14.6 *
180	40	100	63.8	203.7	15.5	14.3	66.4	203.5	16.2	15.0	68.6	200.8	13.9 *	13.9 *
180	40	110	60.9	198.4	13.3	12.2	63.4	198.3	13.8	12.7	65.5	195.5	13.0 *	13.0 *
180	40	120	57.9	192.4	11.4	10.4	60.4	192.4	11.9	10.9	62.4	189.5	12.0 *	11.3
180	40	130	54.7	185.7	9.8	8.9	57.2	185.7	10.3	9.4	59.2	182.7	10.6	9.7
180	40	140	51.5	178.1	8.5	7.7	53.9	178.1	8.9	8.1	55.8	175.0	9.2	8.4
180	40	150	48.1	169.6	7.4	6.6	50.5	169.6	7.7	6.9	52.3	166.3	8.0	7.2
180	40	160	44.5	160.0	6.4	5.7	46.9	160.0	6.7	6.0	48.6	156.4	6.9	6.2
180	40	170	40.6	149.0	5.5	4.8	43.0	149.0	5.8	5.1				
180	40	180	36.4	136.4	4.7	4.1	38.7	136.3	5.0	4.3				
180	40	190	31.8	121.6	4.1	3.5	34.0	121.3	4.2	3.6				
180	40	200	26.4	103.5	3.5	2.9								
180	50	50	78.2	231.7	23.6 *	23.6 *								
180	50	60	75.6	229.3	22.9 *	22.9 *	78.8	228.7	20.5 *	20.5 *				
180	50	70	73.1	226.4	22.2 *	22.2 *	76.2	226.0	19.1 *	19.1 *	79.0	222.9	13.4 *	13.4 *
180	50	80	70.4	223.0	20.5 *	20.5	73.6	222.7	17.7 *	17.7 *	76.3	219.6	12.1 *	12.1 *
180	50	90	67.8	219.1	18.5	17.1	70.9	218.9	16.2 *	16.2 *	73.6	215.8	11.4 *	11.4 *
180	50	100	65.0	214.7	15.6	14.4	68.1	214.5	14.7 *	14.7 *	70.8	211.4	10.7 *	10.7 *
180	50	110	62.3	209.7	13.4	12.3	65.3	209.6	13.2 *	13.0	67.9	206.3	10.0 *	10.0 *
180	50	120	59.4	204.0	11.5	10.5	62.5	204.0	12.0 *	11.1	65.0	200.7	9.3 *	9.3 *
180	50	130	56.5	197.7	10.0	9.0	59.5	197.7	10.5	9.6	62.0	194.3	8.5 *	8.5 *
180	50	140	53.4	190.6	8.6	7.8	56.4	190.7	9.1	8.3	58.8	187.1	8.2 *	8.2 *
180	50	150	50.3	182.7	7.5	6.7	53.2	182.8	7.9	7.1	55.5	179.0	7.7 *	7.5
180	50	160	46.9	173.8	6.5	5.8	49.9	173.9	6.9	6.1	52.0	169.8	6.8 *	6.4
180	50	170	43.4	163.8	5.6	4.9	46.3	163.9	6.0	5.3	48.4	159.5	6.1 *	5.5
180	50	180	39.7	152.5	4.9	4.2	42.5	152.5	5.1	4.5				
180	50	190	35.6	139.4	4.2	3.6	38.4	139.3	4.4	3.8				
180	50	200	31.0	124.1	3.6	3.0								
180	50	210	25.8	105.6	3.0	2.5								
180	60	50	78.7	242.0	21.3 *	21.3 *								

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
180	60	60	76.2	239.7	20.6 *	20.6 *	79.9	239.2	18.4 *	18.4 *				
180	60	70	73.8	237.0	19.9 *	19.9 *	77.4	236.6	17.4 *	17.4 *				
180	60	80	71.3	233.8	18.1 *	18.1 *	74.9	233.5	16.0 *	16.0 *	78.1	230.1	9.9 *	9.9 *
180	60	90	68.7	230.1	16.6 *	16.6 *	72.3	229.9	14.4 *	14.4 *	75.5	226.5	8.8 *	8.8 *
180	60	100	66.1	225.9	15.3 *	14.5	69.7	225.8	12.9 *	12.9 *	72.9	222.3	8.2 *	8.2 *
180	60	110	63.5	221.1	13.5	12.4	67.1	221.1	11.3 *	11.3 *	70.1	217.6	7.7 *	7.7 *
180	60	120	60.8	215.8	11.6	10.6	64.3	215.9	9.7 *	9.7 *	67.3	212.2	7.1 *	7.1 *
180	60	130	58.0	209.9	10.0	9.1	61.5	210.0	8.6 *	8.6 *	64.5	206.2	6.5 *	6.5 *
180	60	140	55.2	203.2	8.7	7.9	58.7	203.4	8.0 *	8.0 *	61.5	199.5	6.0 *	6.0 *
180	60	150	52.2	195.8	7.6	6.8	55.7	196.0	7.4 *	7.3	58.4	191.9	5.7 *	5.7 *
180	60	160	49.1	187.6	6.6	5.9	52.5	187.8	6.8 *	6.3	55.2	183.5	5.4 *	5.4 *
180	60	170	45.9	178.4	5.7	5.0	49.3	178.6	6.1	5.4	51.8	174.0	4.8 *	4.8 *
180	60	180	42.5	168.0	5.0	4.3	45.8	168.3	5.3	4.7	48.2	163.2	4.3 *	4.3 *
180	60	190	38.8	156.3	4.3	3.7	42.1	156.5	4.6	4.0				
180	60	200	34.8	142.9	3.7	3.1	38.0	142.9	3.9	3.3				
180	60	210	30.4	127.2	3.1	2.6	33.5	127.0	3.3	2.8				
180	60	220	25.3	108.2	2.6	2.1								
180	70	50	79.2	252.4	18.7 *	18.7 *								
180	70	60	76.8	250.2	18.1 *	18.1 *								
180	70	70	74.4	247.7	17.4 *	17.4 *	78.5	247.4	15.3 *	15.3 *				
180	70	80	72.0	244.7	16.3 *	16.3 *	76.1	244.5	14.3 *	14.3 *	79.8	240.9	9.6 *	9.6 *
180	70	90	69.6	241.2	14.8 *	14.8 *	73.7	241.1	13.2 *	13.2 *	77.3	237.5	8.8 *	8.8 *
180	70	100	67.2	237.2	13.6 *	13.6 *	71.2	237.3	12.2 *	12.2 *	74.8	233.6	7.8 *	7.8 *
180	70	110	64.6	232.7	12.5 *	12.5	68.6	232.9	11.0 *	11.0 *	72.2	229.1	7.3 *	7.3 *
180	70	120	62.1	227.7	11.5 *	10.7	66.1	228.0	9.8 *	9.8 *	69.5	224.1	6.8 *	6.8 *
180	70	130	59.5	222.1	10.1	9.2	63.4	222.4	8.5 *	8.5 *	66.8	218.5	6.2 *	6.2 *
180	70	140	56.8	215.9	8.8	8.0	60.7	216.3	7.7 *	7.7 *	64.0	212.2	5.5 *	5.5 *
180	70	150	54.0	209.0	7.7	6.9	57.9	209.4	7.1 *	7.1 *	61.1	205.1	4.8 *	4.8 *
180	70	160	51.1	201.3	6.7	5.9	54.9	201.8	6.5 *	6.5	58.0	197.3	4.3 *	4.3 *
180	70	170	48.1	192.8	5.8	5.1	51.9	193.3	5.9 *	5.6	54.9	188.5	3.8 *	3.8 *
180	70	180	44.9	183.3	5.0	4.4	48.7	183.8	5.3 *	4.8	51.5	178.6	3.4 *	3.4 *
180	70	190	41.6	172.6	4.3	3.7	45.3	173.1	4.7	4.1	48.0	167.4	3.1 *	3.1 *
180	70	200	38.0	160.6	3.7	3.2	41.7	161.0	4.1	3.5				
180	70	210	34.1	146.9	3.2	2.6	37.7	147.1	3.5	2.9				
180	70	220	29.8	130.8	2.7	2.2	33.2	130.7	2.9	2.4				
180	70	230	24.7	111.4	2.2									
190	30	50	77.7	221.7	29.3 *	29.3 *	79.6	221.4	26.5 *	26.5 *				
190	30	60	75.0	219.2	28.6 *	28.6 *	76.9	219.0	25.7 *	25.7 *	78.7	217.0	21.2 *	21.2 *
190	30	70	72.3	216.3	26.0	24.2	74.2	216.0	25.0 *	25.0 *	75.9	214.1	20.0 *	20.0 *
190	30	80	69.5	212.8	21.5	20.0	71.4	212.6	22.2	20.7	73.1	210.6	19.0 *	19.0 *
190	30	90	66.7	208.8	17.9	16.6	68.6	208.6	18.5	17.2	70.3	206.6	18.1 *	17.7
190	30	100	63.8	204.1	15.1	13.9	65.7	204.0	15.6	14.4	67.3	202.0	16.1	14.9
190	30	110	60.9	198.9	12.8	11.8	62.8	198.8	13.3	12.2	64.3	196.7	13.7	12.6
190	30	120	57.9	192.9	11.0	10.0	59.7	192.9	11.4	10.4	61.2	190.7	11.7	10.7
190	30	130	54.7	186.2	9.4	8.5	56.6	186.2	9.8	8.9	58.0	183.9	10.0	9.1
190	30	140	51.5	178.7	8.1	7.3	53.3	178.7	8.4	7.6	54.7	176.3	8.6	7.8
190	30	150	48.1	170.2	7.0	6.2	49.9	170.2	7.2	6.4	51.2	167.6	7.4	6.6
190	30	160	44.5	160.6	6.0	5.2	46.2	160.6	6.2	5.5	47.5	157.8	6.4	5.6
190	30	170	40.6	149.7	5.1	4.4	42.4	149.7	5.3	4.6				
190	30	180	36.4	137.1	4.3	3.7	38.1	137.0	4.5	3.9				
190	30	190	31.8	122.3	3.6	3.0	33.4	122.1	3.8	3.2				
190	30	200	26.4	104.3	3.0	2.5								
190	40	50	78.2	231.7	26.3 *	26.3 *								
190	40	60	75.6	229.3	25.6 *	25.6 *	78.2	228.9	22.9 *	22.9 *				
190	40	70	73.1	226.5	24.9 *	24.4	75.6	226.1	21.8 *	21.8 *	77.8	223.5	16.4 *	16.4 *
190	40	80	70.4	223.1	21.7	20.1	72.9	222.8	20.6 *	20.6 *	75.1	220.2	15.6 *	15.6 *
190	40	90	67.8	219.2	18.1	16.7	70.2	219.0	18.9	17.5	72.4	216.3	14.8 *	14.8 *
190	40	100	65.0	214.8	15.3	14.1	67.5	214.6	15.9	14.7	69.6	211.9	14.1 *	14.1 *
190	40	110	62.3	209.8	13.0	11.9	64.7	209.7	13.6	12.5	66.8	206.9	13.4 *	13.0
190	40	120	59.4	204.2	11.1	10.1	61.8	204.1	11.6	10.7	63.8	201.2	12.1	11.1
190	40	130	56.5	197.9	9.6	8.7	58.9	197.8	10.0	9.1	60.8	194.8	10.4	9.5
190	40	140	53.4	190.8	8.2	7.4	55.8	190.7	8.6	7.8	57.7	187.7	9.0	8.1

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
190	40	150	50.3	182.9	7.1	6.3	52.6	182.8	7.5	6.7	54.4	179.6	7.7	7.0
190	40	160	46.9	174.0	6.1	5.4	49.3	174.0	6.4	5.7	51.0	170.5	6.7	5.9
190	40	170	43.4	164.0	5.2	4.6	45.7	164.0	5.5	4.8	47.3	160.2	5.7	5.0
190	40	180	39.7	152.7	4.5	3.8	41.9	152.6	4.7	4.1				
190	40	190	35.6	139.6	3.8	3.2	37.8	139.5	4.0	3.4				
190	40	200	31.0	124.4	3.2	2.6								
190	40	210	25.8	105.8	2.6	2.1								
190	50	50	78.7	241.9	23.7 *	23.7 *								
190	50	60	76.2	239.6	23.1 *	23.1 *	79.3	239.0	20.7 *	20.7 *				
190	50	70	73.8	236.9	22.4 *	22.4 *	76.8	236.4	19.4 *	19.4 *	79.5	233.3	13.6 *	13.6 *
190	50	80	71.3	233.6	20.5 *	20.3	74.3	233.3	18.1 *	18.1 *	76.9	230.1	12.3 *	12.3 *
190	50	90	68.7	229.9	18.2	16.8	71.7	229.6	16.7 *	16.7 *	74.3	226.5	11.6 *	11.6 *
190	50	100	66.1	225.7	15.4	14.2	69.1	225.5	15.2 *	15.0	71.7	222.3	11.0 *	11.0 *
190	50	110	63.5	221.0	13.1	12.0	66.5	220.8	13.8 *	12.8	69.0	217.6	10.3 *	10.3 *
190	50	120	60.8	215.6	11.2	10.3	63.7	215.5	11.9	10.9	66.2	212.2	9.6 *	9.6 *
190	50	130	58.0	209.6	9.7	8.8	60.9	209.6	10.3	9.4	63.3	206.2	8.8 *	8.8 *
190	50	140	55.2	203.0	8.3	7.5	58.1	203.0	8.9	8.0	60.4	199.4	8.1 *	8.1 *
190	50	150	52.2	195.6	7.2	6.4	55.1	195.6	7.7	6.9	57.3	191.9	7.1 *	7.1 *
190	50	160	49.1	187.3	6.2	5.5	52.0	187.4	6.6	5.9	54.1	183.4	6.4 *	6.2
190	50	170	45.9	178.1	5.3	4.7	48.7	178.1	5.7	5.0	50.7	173.9	5.8 *	5.3
190	50	180	42.5	167.7	4.6	3.9	45.2	167.8	4.9	4.3				
190	50	190	38.8	156.0	3.9	3.3	41.5	156.0	4.2	3.6				
190	50	200	34.8	142.6	3.3	2.7	37.5	142.4	3.5	2.9				
190	50	210	30.4	126.9	2.7	2.2								
190	50	220	25.3	107.9	2.2									
190	60	50	79.2	252.2	21.4 *	21.4 *								
190	60	60	76.8	250.0	20.8 *	20.8 *								
190	60	70	74.4	247.4	19.8 *	19.8 *	77.9	246.9	17.4 *	17.4 *				
190	60	80	72.0	244.3	18.1 *	18.1 *	75.5	244.0	16.1 *	16.1 *	78.6	240.5	10.2 *	10.2 *
190	60	90	69.6	240.8	16.7 *	16.7 *	73.1	240.6	14.9 *	14.9 *	76.2	237.1	8.9 *	8.9 *
190	60	100	67.2	236.8	15.3 *	14.3	70.6	236.6	13.4 *	13.4 *	73.6	233.1	8.4 *	8.4 *
190	60	110	64.6	232.3	13.2	12.1	68.1	232.2	11.9 *	11.9 *	71.0	228.6	7.9 *	7.9 *
190	60	120	62.1	227.2	11.3	10.3	65.5	227.2	10.3 *	10.3 *	68.4	223.6	7.3 *	7.3 *
190	60	130	59.5	221.6	9.8	8.9	62.8	221.6	8.9 *	8.9 *	65.7	217.9	6.8 *	6.8 *
190	60	140	56.8	215.3	8.4	7.6	60.1	215.4	8.3 *	8.2	62.9	211.6	6.2 *	6.2 *
190	60	150	54.0	208.4	7.3	6.5	57.3	208.5	7.8 *	7.1	60.0	204.5	5.7 *	5.7 *
190	60	160	51.1	200.6	6.3	5.6	54.4	200.9	6.8	6.1	57.0	196.6	5.1 *	5.1 *
190	60	170	48.1	192.1	5.4	4.8	51.3	192.3	5.9	5.2	53.8	187.8	4.5 *	4.5 *
190	60	180	44.9	182.5	4.7	4.0	48.1	182.8	5.1	4.4	50.5	177.9	4.1 *	4.1 *
190	60	190	41.6	171.9	4.0	3.4	44.7	172.0	4.3	3.7	47.0	166.8	3.7 *	3.7 *
190	60	200	38.0	159.8	3.4	2.8	41.1	159.9	3.7	3.1				
190	60	210	34.1	146.0	2.8	2.3	37.1	146.0	3.1	2.5				
190	60	220	29.8	129.9	2.3									
190	70	50	79.6	262.6	18.8 *	18.8 *								
190	70	60	77.3	260.5	18.2 *	18.2 *								
190	70	70	75.1	258.0	17.6 *	17.6 *	79.0	257.7	15.4 *	15.4 *				
190	70	80	72.8	255.2	16.3 *	16.3 *	76.7	254.9	14.3 *	14.3 *				
190	70	90	70.4	251.8	14.8 *	14.8 *	74.3	251.7	13.2 *	13.2 *	77.8	248.0	9.0 *	9.0 *
190	70	100	68.1	248.0	13.6 *	13.6 *	71.9	248.0	12.2 *	12.2 *	75.4	244.3	7.9 *	7.9 *
190	70	110	65.7	243.8	12.5 *	12.2	69.5	243.8	11.3 *	11.3 *	72.9	240.1	7.4 *	7.4 *
190	70	120	63.2	239.0	11.4	10.4	67.1	239.2	10.2 *	10.2 *	70.4	235.3	6.8 *	6.8 *
190	70	130	60.7	233.7	9.8	8.9	64.6	233.9	9.1 *	9.1 *	67.8	230.0	5.9 *	5.9 *
190	70	140	58.2	227.8	8.5	7.7	62.0	228.1	7.9 *	7.9 *	65.2	224.0	5.2 *	5.2 *
190	70	150	55.6	221.2	7.4	6.6	59.3	221.6	7.4 *	7.2	62.4	217.4	4.5 *	4.5 *
190	70	160	52.8	214.0	6.4	5.7	56.6	214.4	6.8 *	6.2	59.6	210.0	4.0 *	4.0 *
190	70	170	50.0	206.0	5.5	4.8	53.7	206.5	6.0	5.3	56.6	201.8	3.6 *	3.6 *
190	70	180	47.1	197.2	4.7	4.1	50.7	197.7	5.2	4.6	53.6	192.7	3.3 *	3.3 *
190	70	190	44.0	187.4	4.1	3.5	47.6	187.8	4.5	3.9	50.3	182.4	3.0 *	3.0 *
190	70	200	40.7	176.4	3.4	2.9	44.3	176.8	3.8	3.2	46.8	170.9	2.7 *	2.7 *
190	70	210	37.2	164.0	2.9	2.3	40.7	164.3	3.2	2.7				
190	70	220	33.4	149.9	2.4		36.8	150.0	2.7					

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
200	30	50	78.2	231.9	29.5 *	29.5 *								
200	30	60	75.6	229.6	28.8 *	28.8 *	77.5	229.3	25.9 *	25.9 *	79.2	227.3	21.4 *	21.4 *
200	30	70	73.1	226.8	25.7	24.0	74.9	226.5	25.2 *	24.8	76.6	224.5	20.3 *	20.3 *
200	30	80	70.4	223.4	21.3	19.7	72.3	223.2	22.0	20.5	73.9	221.3	19.2 *	19.2 *
200	30	90	67.8	219.6	17.7	16.3	69.6	219.4	18.3	16.9	71.2	217.4	18.3 *	17.5
200	30	100	65.0	215.2	14.8	13.6	66.9	215.1	15.4	14.2	68.4	213.0	15.9	14.7
200	30	110	62.3	210.3	12.6	11.5	64.1	210.2	13.1	12.0	65.6	208.1	13.5	12.4
200	30	120	59.4	204.7	10.7	9.7	61.2	204.6	11.1	10.1	62.7	202.4	11.5	10.5
200	30	130	56.5	198.4	9.1	8.2	58.3	198.3	9.5	8.6	59.7	196.1	9.8	8.9
200	30	140	53.4	191.3	7.8	7.0	55.2	191.3	8.1	7.3	56.6	189.0	8.4	7.6
200	30	150	50.3	183.5	6.7	5.9	52.0	183.5	7.0	6.2	53.3	180.9	7.2	6.4
200	30	160	46.9	174.6	5.7	5.0	48.7	174.6	5.9	5.2	49.9	171.9	6.1	5.4
200	30	170	43.4	164.7	4.8	4.1	45.1	164.7	5.0	4.4	46.3	161.7	5.2	4.5
200	30	180	39.7	153.4	4.1	3.4	41.3	153.3	4.2	3.6				
200	30	190	35.6	140.4	3.4	2.8	37.2	140.2	3.5	2.9				
200	30	200	31.0	125.1	2.8	2.2								
200	30	210	25.8	106.7	2.2									
200	40	50	78.7	241.9	26.4 *	26.4 *								
200	40	60	76.2	239.7	25.7 *	25.7 *	78.7	239.2	23.1 *	23.1 *				
200	40	70	73.8	236.9	25.1 *	24.1	76.2	236.5	22.0 *	22.0 *	78.3	233.9	16.6 *	16.6 *
200	40	80	71.3	233.7	21.4	19.9	73.7	233.4	20.9 *	20.8	75.8	230.7	15.7 *	15.7 *
200	40	90	68.7	230.0	17.8	16.5	71.1	229.7	18.6	17.3	73.2	227.1	15.0 *	15.0 *
200	40	100	66.1	225.8	15.0	13.8	68.5	225.6	15.7	14.5	70.5	222.9	14.3 *	14.3 *
200	40	110	63.5	221.1	12.7	11.6	65.9	220.9	13.3	12.3	67.8	218.1	13.4 *	12.8
200	40	120	60.8	215.7	10.8	9.9	63.1	215.6	11.4	10.4	65.1	212.8	11.9	10.9
200	40	130	58.0	209.8	9.3	8.4	60.4	209.7	9.8	8.9	62.2	206.8	10.2	9.3
200	40	140	55.2	203.1	8.0	7.1	57.5	203.1	8.4	7.6	59.3	200.0	8.8	7.9
200	40	150	52.2	195.7	6.8	6.0	54.5	195.7	7.2	6.4	56.2	192.5	7.5	6.7
200	40	160	49.1	187.5	5.8	5.1	51.4	187.5	6.2	5.4	53.0	184.1	6.4	5.7
200	40	170	45.9	178.3	5.0	4.3	48.1	178.2	5.3	4.6	49.7	174.7	5.5	4.8
200	40	180	42.5	167.9	4.2	3.5	44.6	167.9	4.5	3.8				
200	40	190	38.8	156.2	3.5	2.9	40.9	156.1	3.7	3.1				
200	40	200	34.8	142.8	2.9	2.3	36.9	142.6	3.1	2.5				
200	40	210	30.4	127.1	2.3									
200	50	50	79.2	252.1	23.8 *	23.8 *								
200	50	60	76.8	249.9	23.2 *	23.2 *	79.7	249.3	20.8 *	20.8 *				
200	50	70	74.4	247.3	22.6 *	22.6 *	77.3	246.8	19.6 *	19.6 *	80.0	243.6	13.9 *	13.9 *
200	50	80	72.0	244.2	20.4 *	20.0	74.9	243.8	18.3 *	18.3 *	77.5	240.6	12.5 *	12.5 *
200	50	90	69.6	240.7	17.9	16.6	72.5	240.3	17.0 *	17.0 *	75.0	237.1	11.8 *	11.8 *
200	50	100	67.2	236.6	15.1	13.9	70.0	236.4	15.7 *	14.8	72.5	233.2	11.2 *	11.2 *
200	50	110	64.6	232.1	12.8	11.7	67.5	231.9	13.6	12.5	69.9	228.6	10.5 *	10.5 *
200	50	120	62.1	227.0	11.0	10.0	64.9	226.9	11.6	10.7	67.3	223.6	9.7 *	9.7 *
200	50	130	59.5	221.4	9.4	8.5	62.3	221.3	10.0	9.1	64.6	217.9	8.5 *	8.5 *
200	50	140	56.8	215.1	8.1	7.2	59.5	215.0	8.6	7.8	61.8	211.5	7.5 *	7.5 *
200	50	150	54.0	208.1	6.9	6.1	56.7	208.1	7.4	6.6	58.9	204.5	6.7 *	6.7 *
200	50	160	51.1	200.4	5.9	5.2	53.8	200.4	6.4	5.6	55.9	196.6	6.0 *	6.0
200	50	170	48.1	191.8	5.1	4.4	50.8	191.8	5.5	4.8	52.8	187.8	5.4 *	5.1
200	50	180	44.9	182.2	4.3	3.7	47.6	182.3	4.6	4.0	49.5	177.9	4.7 *	4.3
200	50	190	41.6	171.6	3.6	3.0	44.2	171.6	3.9	3.3				
200	50	200	38.0	159.5	3.0	2.4	40.6	159.4	3.3	2.7				
200	50	210	34.1	145.7	2.4		36.6	145.5	2.7					
200	60	50	79.6	262.4	21.5 *	21.5 *								
200	60	60	77.3	260.3	20.9 *	20.9 *								
200	60	70	75.1	257.8	19.7 *	19.7 *	78.4	257.3	17.3 *	17.3 *				
200	60	80	72.8	254.8	18.1 *	18.1 *	76.1	254.4	16.1 *	16.1 *	79.1	251.0	10.5 *	10.5 *
200	60	90	70.4	251.5	16.6 *	16.6 *	73.8	251.2	14.9 *	14.9 *	76.7	247.7	9.1 *	9.1 *
200	60	100	68.1	247.6	15.2	14.0	71.4	247.4	13.8 *	13.8 *	74.3	243.9	8.5 *	8.5 *
200	60	110	65.7	243.3	12.9	11.8	69.0	243.2	12.4 *	12.4 *	71.8	239.6	8.0 *	8.0 *
200	60	120	63.2	238.5	11.0	10.1	66.5	238.4	11.0 *	10.9	69.3	234.8	7.5 *	7.5 *
200	60	130	60.7	233.1	9.5	8.6	64.0	233.2	9.5 *	9.3	66.7	229.4	6.8 *	6.8 *
200	60	140	58.2	227.2	8.2	7.3	61.4	227.3	8.6 *	8.0	64.1	223.4	6.0 *	6.0 *
200	60	150	55.6	220.6	7.0	6.2	58.8	220.8	7.6	6.8	61.4	216.7	5.3 *	5.3 *

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
200	60	160	52.8	213.4	6.0	5.3	56.0	213.5	6.6	5.8	58.6	209.4	4.8 *	4.8 *
200	60	170	50.0	205.3	5.2	4.5	53.2	205.5	5.6	4.9	55.6	201.1	4.2 *	4.2 *
200	60	180	47.1	196.5	4.4	3.7	50.2	196.7	4.8	4.2	52.5	192.0	3.8 *	3.8 *
200	60	190	44.0	186.6	3.7	3.1	47.1	186.8	4.1	3.5	49.3	181.8	3.5 *	3.5 *
200	60	200	40.7	175.6	3.1	2.5	43.8	175.7	3.4	2.8				
200	60	210	37.2	163.2	2.5	2.0	40.2	163.2	2.8	2.3				
200	60	220	33.4	149.0	2.0		36.3	148.9	2.3					
200	70	50	80.0	272.7	18.9 *	18.9 *								
200	70	60	77.8	270.8	18.3 *	18.3 *								
200	70	70	75.6	268.4	17.8 *	17.8 *	79.4	268.0	15.5 *	15.5 *				
200	70	80	73.4	265.6	16.2 *	16.2 *	77.2	265.3	14.2 *	14.2 *				
200	70	90	71.2	262.4	14.8 *	14.8 *	74.9	262.3	13.2 *	13.2 *	78.3	258.5	9.2 *	9.2 *
200	70	100	68.9	258.8	13.6 *	13.6 *	72.7	258.7	12.2 *	12.2 *	76.0	255.0	8.2 *	8.2 *
200	70	110	66.6	254.7	12.5 *	11.9	70.4	254.7	11.3 *	11.3 *	73.6	250.9	7.4 *	7.4 *
200	70	120	64.3	250.1	11.1	10.1	68.0	250.2	10.3 *	10.3 *	71.2	246.4	6.5 *	6.5 *
200	70	130	61.9	245.1	9.6	8.7	65.6	245.3	9.2 *	9.2 *	68.8	241.3	5.6 *	5.6 *
200	70	140	59.5	239.4	8.2	7.4	63.1	239.7	8.1 *	8.2	66.2	235.6	5.0 *	5.0 *
200	70	150	57.0	233.2	7.1	6.3	60.6	233.6	7.3 *	7.0	63.6	229.4	4.4 *	4.4 *
200	70	160	54.4	226.4	6.1	5.4	58.0	226.8	6.5 *	6.0	61.0	222.4	3.9 *	3.9 *
200	70	170	51.8	218.9	5.2	4.5	55.4	219.3	5.8	5.1	58.2	214.7	3.5 *	3.5 *
200	70	180	49.0	210.6	4.5	3.8	52.6	211.1	5.0	4.3	55.3	206.2	3.1 *	3.1 *
200	70	190	46.2	201.5	3.8	3.2	49.7	201.9	4.2	3.6	52.3	196.7	2.7 *	2.7 *
200	70	200	43.1	191.4	3.2	2.6	46.6	191.8	3.6	3.0	49.1	186.2	2.5 *	2.5 *
200	70	210	39.9	180.1	2.6	2.1	43.3	180.4	3.0	2.4	45.7	174.2	2.2 *	2.2 *
200	70	220	36.5	167.4	2.1		39.9	167.6	2.4					
210	30	50	78.7	242.1	29.6 *	29.6 *								
210	30	60	76.2	239.9	28.9 *	28.9 *	78.1	239.6	26.0 *	26.0 *	79.7	237.6	21.6 *	21.6 *
210	30	70	73.8	237.2	25.5	23.7	75.6	236.9	25.3 *	24.6	77.2	234.9	20.5 *	20.5 *
210	30	80	71.3	234.0	21.0	19.5	73.1	233.8	21.8	20.2	74.6	231.8	19.5 *	19.5 *
210	30	90	68.7	230.4	17.4	16.1	70.5	230.2	18.1	16.7	72.0	228.2	18.6 *	17.3
210	30	100	66.1	226.2	14.6	13.4	67.9	226.1	15.1	14.0	69.4	224.0	15.6	14.4
210	30	110	63.5	221.5	12.3	11.2	65.3	221.4	12.8	11.7	66.7	219.3	13.2	12.1
210	30	120	60.8	216.2	10.4	9.5	62.6	216.1	10.9	9.9	64.0	214.0	11.2	10.3
210	30	130	58.0	210.3	8.9	8.0	59.8	210.2	9.3	8.4	61.1	208.0	9.6	8.7
210	30	140	55.2	203.7	7.5	6.7	56.9	203.6	7.9	7.1	58.2	201.3	8.2	7.3
210	30	150	52.2	196.3	6.4	5.6	53.9	196.3	6.7	5.9	55.2	193.8	6.9	6.2
210	30	160	49.1	188.1	5.4	4.7	50.8	188.1	5.7	5.0	52.0	185.5	5.9	5.2
210	30	170	45.9	178.9	4.5	3.9	47.5	178.9	4.8	4.1	48.7	176.1	5.0	4.3
210	30	180	42.5	168.6	3.8	3.1	44.1	168.6	4.0	3.3				
210	30	190	38.8	156.9	3.1	2.5	40.4	156.8	3.3	2.7				
210	30	200	34.8	143.5	2.5		36.4	143.4	2.6					
210	40	50	79.2	252.1	26.5 *	26.5 *								
210	40	60	76.8	250.0	25.9 *	25.9 *	79.1	249.4	23.3 *	23.3 *				
210	40	70	74.4	247.3	25.3 *	23.8	76.8	246.9	22.3 *	22.3 *	78.8	244.2	16.7 *	16.7 *
210	40	80	72.0	244.3	21.1	19.6	74.3	243.9	21.0 *	20.6	76.4	241.2	15.9 *	15.9 *
210	40	90	69.6	240.8	17.5	16.2	71.9	240.4	18.4	17.1	73.9	237.7	15.2 *	15.2 *
210	40	100	67.2	236.7	14.7	13.5	69.4	236.5	15.5	14.3	71.4	233.7	14.1 *	14.1 *
210	40	110	64.6	232.2	12.4	11.4	66.9	232.0	13.1	12.0	68.8	229.2	12.4 *	12.4 *
210	40	120	62.1	227.1	10.6	9.6	64.3	227.0	11.2	10.2	66.2	224.2	10.9 *	10.7
210	40	130	59.5	221.5	9.0	8.1	61.7	221.4	9.5	8.6	63.5	218.5	9.6 *	9.1
210	40	140	56.8	215.2	7.7	6.8	59.0	215.1	8.1	7.3	60.7	212.1	8.5	7.7
210	40	150	54.0	208.3	6.5	5.8	56.2	208.2	6.9	6.2	57.9	205.1	7.3	6.5
210	40	160	51.1	200.5	5.5	4.8	53.3	200.5	5.9	5.2	54.9	197.2	6.2	5.5
210	40	170	48.1	192.0	4.7	4.0	50.2	191.9	5.0	4.3	51.8	188.5	5.2	4.6
210	40	180	44.9	182.4	3.9	3.3	47.0	182.4	4.2	3.6	48.5	178.7	4.4	3.8
210	40	190	41.6	171.7	3.2	2.6	43.7	171.7	3.5	2.9				
210	40	200	38.0	159.7	2.6	2.0	40.0	159.5	2.8	2.2				
210	40	210	34.1	145.9	2.1		36.1	145.6	2.2					
210	50	50	79.6	262.3	24.0 *	24.0 *								
210	50	60	77.3	260.2	23.4 *	23.4 *								
210	50	70	75.1	257.7	22.7 *	22.7 *	77.8	257.1	19.5 *	19.5 *				

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LS-238H w/ 62 x 70 OT Tube Boom w/ 30 x 36 Tube Jib - 360 Deg Rotation Jib Lifting Capacities

Refer to all notes in front of the Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom: 0 Degrees Boom Angle (deg)	0 Deg Jib Pt Height (ft)	0 Deg ABC+20 Ctwt (kips)	0 Deg ABC+0 Ctwt (kips)	15 Degrees Boom Angle (deg)	15 Deg Jib Pt Height (ft)	15 Deg ABC+20 Ctwt (kips)	15 Deg ABC+0 Ctwt (kips)	30 Degrees Boom Angle (deg)	30 Deg Jib Pt Height (ft)	30 Deg ABC+20 Ctwt (kips)	30 Deg ABC+0 Ctwt (kips)
210	50	80	72.8	254.7	20.2 *	19.7	75.5	254.2	18.2 *	18.2 *	78.0	251.1	12.8 *	12.8 *
210	50	90	70.4	251.3	17.6	16.3	73.2	250.9	17.0 *	17.0 *	75.6	247.7	12.0 *	12.0 *
210	50	100	68.1	247.5	14.8	13.6	70.8	247.2	15.7	14.6	73.2	243.9	11.4 *	11.4 *
210	50	110	65.7	243.1	12.5	11.5	68.4	242.9	13.4	12.3	70.8	239.6	10.2 *	10.2 *
210	50	120	63.2	238.3	10.7	9.7	66.0	238.1	11.4	10.4	68.3	234.8	8.9 *	8.9 *
210	50	130	60.7	232.9	9.1	8.2	63.4	232.8	9.8	8.9	65.7	229.4	8.0 *	8.0 *
210	50	140	58.2	227.0	7.8	6.9	60.9	226.9	8.4	7.5	63.1	223.4	7.0 *	7.0 *
210	50	150	55.6	220.4	6.6	5.9	58.2	220.4	7.2	6.4	60.3	216.7	6.2 *	6.2 *
210	50	160	52.8	213.1	5.6	4.9	55.5	213.1	6.1	5.4	57.5	209.3	5.5 *	5.5 *
210	50	170	50.0	205.1	4.8	4.1	52.6	205.1	5.2	4.5	54.6	201.1	5.0 *	4.8
210	50	180	47.1	196.2	4.0	3.4	49.7	196.2	4.4	3.7	51.6	192.0	4.4 *	4.0
210	50	190	44.0	186.3	3.3	2.7	46.5	186.3	3.7	3.1	48.3	181.8	3.9	3.3
210	50	200	40.7	175.3	2.7	2.1	43.2	175.3	3.0	2.4				
210	50	210	37.2	162.9	2.2		39.7	162.8	2.4					
210	60	50	80.0	272.5	21.6 *	21.6 *								
210	60	60	77.8	270.5	21.1 *	21.1 *								
210	60	70	75.6	268.1	19.6 *	19.6 *	78.9	267.6	17.2 *	17.2 *				
210	60	80	73.4	265.3	17.9 *	17.9 *	76.6	264.9	16.0 *	16.0 *	79.5	261.3	10.8 *	10.8 *
210	60	90	71.2	262.1	16.5 *	16.4	74.4	261.7	14.8 *	14.8 *	77.3	258.2	9.4 *	9.4 *
210	60	100	68.9	258.4	14.9	13.7	72.1	258.1	13.8 *	13.8 *	74.9	254.6	8.6 *	8.6 *
210	60	110	66.6	254.3	12.6	11.6	69.8	254.1	12.3 *	12.3 *	72.6	250.5	8.2 *	8.2 *
210	60	120	64.3	249.7	10.8	9.8	67.5	249.6	10.9 *	10.6	70.2	245.9	7.4 *	7.4 *
210	60	130	61.9	244.6	9.2	8.3	65.1	244.5	9.7 *	9.1	67.7	240.8	6.5 *	6.5 *
210	60	140	59.5	238.9	7.9	7.0	62.6	238.9	8.6	7.7	65.2	235.1	5.7 *	5.7 *
210	60	150	57.0	232.7	6.7	6.0	60.1	232.8	7.4	6.6	62.6	228.8	5.0 *	5.0 *
210	60	160	54.4	225.8	5.7	5.0	57.5	225.9	6.3	5.6	60.0	221.8	4.4 *	4.4 *
210	60	170	51.8	218.3	4.9	4.2	54.8	218.4	5.4	4.7	57.2	214.1	4.0 *	4.0 *
210	60	180	49.0	209.9	4.1	3.5	52.0	210.1	4.6	3.9	54.4	205.6	3.6 *	3.6 *
210	60	190	46.2	200.8	3.4	2.8	49.1	200.9	3.8	3.2	51.3	196.1	3.2 *	3.2 *
210	60	200	43.1	190.6	2.8	2.2	46.1	190.8	3.2	2.6	48.2	185.5	2.9 *	2.9 *
210	60	210	39.9	179.3	2.2		42.8	179.4	2.6					
210	70	60	78.2	281.0	18.5 *	18.5 *								
210	70	70	76.1	278.7	17.7 *	17.7 *	79.8	278.3	15.4 *	15.4 *				
210	70	80	74.0	276.0	16.1 *	16.1 *	77.7	275.7	14.2 *	14.2 *				
210	70	90	71.9	273.0	14.7 *	14.7 *	75.5	272.8	13.1 *	13.1 *	78.8	269.0	9.3 *	9.3 *
210	70	100	69.7	269.5	13.5 *	13.5 *	73.3	269.4	12.1 *	12.1 *	76.5	265.6	8.2 *	8.2 *
210	70	110	67.5	265.6	12.5 *	11.6	71.1	265.5	10.9 *	10.9 *	74.3	261.7	7.1 *	7.1 *
210	70	120	65.3	261.2	10.8	9.9	68.9	261.2	9.5 *	9.5 *	72.0	257.3	6.2 *	6.2 *
210	70	130	63.0	256.3	9.3	8.4	66.6	256.5	8.5 *	8.5 *	69.6	252.5	5.3 *	5.3 *
210	70	140	60.7	251.0	7.9	7.1	64.2	251.2	7.6 *	7.6 *	67.2	247.1	4.7 *	4.7 *
210	70	150	58.3	245.1	6.8	6.0	61.8	245.4	6.8 *	6.8	64.8	241.2	4.2 *	4.2 *
210	70	160	55.9	238.6	5.8	5.1	59.4	238.9	6.0 *	5.7	62.2	234.6	3.7 *	3.7 *
210	70	170	53.4	231.5	4.9	4.3	56.8	231.9	5.4 *	4.9	59.6	227.3	3.2 *	3.2 *
210	70	180	50.8	223.7	4.2	3.5	54.2	224.1	4.7	4.1	56.9	219.3	2.9 *	2.9 *
210	70	190	48.1	215.1	3.5	2.9	51.5	215.6	4.0	3.4	54.1	210.5	2.6 *	2.6 *
210	70	200	45.3	205.7	2.9	2.3	48.6	206.1	3.3	2.7	51.1	200.7	2.3 *	2.3 *
210	70	210	42.3	195.3	2.3		45.6	195.7	2.7		48.0	189.8	2.1 *	

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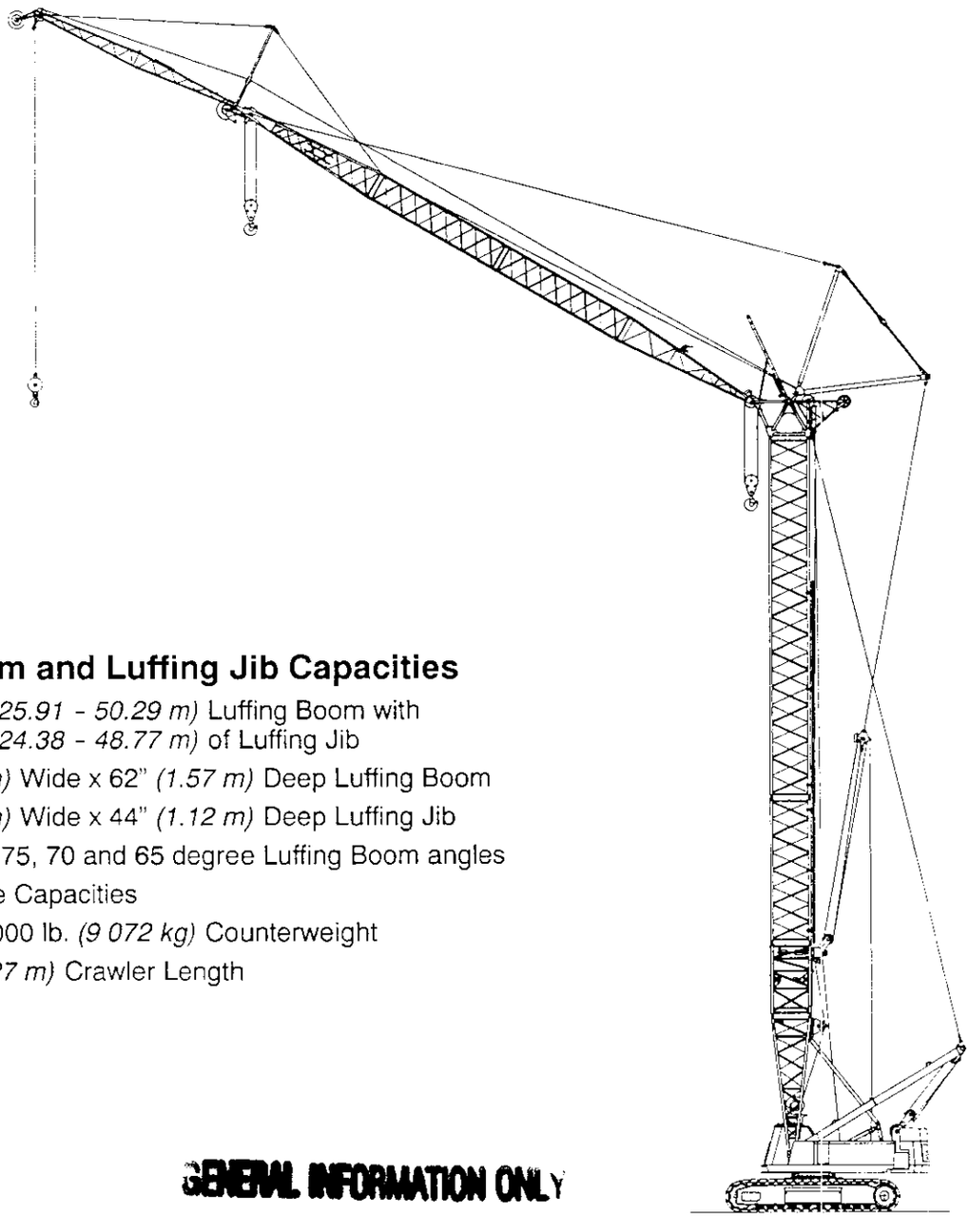
Lifting Capacities

Lattice Boom Crawler Crane with Luffing Attachment

LS-238H

27-ton *(24.50 metric ton)*

HYLAB Series



Luffing Boom and Luffing Jib Capacities

- 85' - 165' *(25.91 - 50.29 m)* Luffing Boom with 80' - 160' *(24.38 - 48.77 m)* of Luffing Jib
- 70" *(1.78 m)* Wide x 62" *(1.57 m)* Deep Luffing Boom
- 54" *(1.37 m)* Wide x 44" *(1.12 m)* Deep Luffing Jib
- 90, 85, 80, 75, 70 and 65 degree Luffing Boom angles
- 360 Degree Capacities
- ABC + 20,000 lb. *(9 072 kg)* Counterweight
- 23' 10" *(7.27 m)* Crawler Length

GENERAL INFORMATION ONLY

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⚠ WARNING

READ AND UNDERSTAND THE OPERATOR'S AND SAFETY MANUAL AND THE FOLLOWING INSTRUCTIONS AND CHART VALUES BEFORE OPERATING THE CRANE. OPERATION WHICH DOES NOT FOLLOW THESE INSTRUCTIONS MAY RESULT IN AN ACCIDENT.

OPERATING INSTRUCTIONS

GENERAL:

1. Rated lifting capacities in kips (1,000 pounds) as shown on lift charts pertain to this crane as originally manufactured and normally equipped. Modifications to the crane or use of optional equipment other than that specified can result in a reduction of capacity.
2. Construction equipment can be dangerous if improperly operated or maintained. Operation and maintenance of this crane must be in compliance with the information in the Operator's, Parts, and Safety Manuals supplied with this crane. If these manuals are missing, order replacements through the distributor.
3. The operator and other personnel associated with this crane shall read and fully understand the latest applicable American National Standards Institute (ANSI) safety standards for cranes.
4. All capacities listed in this book are in compliance with ASME/ANSI B30.5c-1994, SAE J987-April 1994, and SAE J765-October 1990.

SET UP:

1. For all operating conditions, the crane must be leveled on a firm supporting surface that will adequately support the loadings without settling or collapsing.

⚠ WARNING

For over end capacities and lift off of combinations with luffing boom lengths longer than 125', the idlers/sprockets must be blocked with 5/8" steel plate.

2. Counterweights: All luffing attachment combinations require "ABC" (69,000 lb) upper counterweight and "20K" (20,000 lb) lower counterweight.
3. Refer to the Operator's Manual for instructions pertaining to assembly and raising and lowering of the attachment.
4. The fixed jib has only one length (30 ft) and only one offset with respect to the luffing jib (5 degrees).

LUFFING ATTACHMENT OPERATION:

1. Capacities shown are in kips (1,000 pounds) and are not more than 75% of the tipping loads with the crane standing level on a firm supporting surface. A deduction must be made from these capacities for weight of hook block, hook ball, sling, grapple, load weighing device, etc. Deduct 1.5 pounds for every foot of extra wire rope hoist line reeving. When lifting from the luffing jib with the fixed jib installed, reduce capacities by the values shown on the Capacity Deductions For Auxiliary Load Handling Equipment. See Operator's Manual for all limitations when raising or lowering the attachment.
2. Do not suspend more than one load at a time.
3. The crane capacities marked with an asterisk (*) are based on structural strength. The crane capacities in the non-asterisked areas are based on stability ratings.
4. For recommended reeving, parts of line, wire rope type, and wire rope inspection, see Operator's Manual and Parts Manual.
5. Load ratings in this Crane Rating Manual are based on freely suspended loads and make no allowances for such factors as the effect of the wind on load, ground conditions, and operating speeds. The operator shall therefore reduce load ratings in order to take these conditions into account. Refer to the Wind Speed Restrictions and Job Site Travel Restrictions for safe operation, travel, and storage of the attachment.
6. The 26 ft luffing boom live mast must be used for all capacities shown in this Crane Rating Manual.
7. The least stable rated condition is over the end with **unblocked** sprockets and idlers.
8. Refer to the enclosed charts for allowable attachment liftoff lengths and allowable working lengths at the various luffing boom angles.
9. Do not operate at radii or boom lengths where this Crane Rating Manual lists no capacity. Do not use longer booms or jibs than those listed in this Crane Rating Manual. Any of the above can cause a tipping condition or boom and jib failure.
10. Do not travel with a load.

WIRE ROPE CAPACITY CHART

Parts of Line	3/4" Type RB	3/4" Type N	7/8" Type LB	7/8" Type RB	Notes
1	12,960*	22,740	25,020	17,520*	Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in this Crane Rating Manual. Study Operator's Manual for wire rope inspection procedures.
2	25,920	45,480	50,050	35,040	
3	38,880	68,220	75,080	52,560	
4	51,840	90,970	100,110	70,080	
5	64,800	113,710	125,140	87,600	
6	77,760	136,450	150,170	105,120	
7	90,720	159,200	175,200	122,640	
8	103,680	181,940	200,220	140,160	
9	116,640	204,680	225,250	157,680	
10	129,600	227,420	250,280	175,200	
11	142,560	250,170	275,310	192,720	
12	155,520	272,910	300,340	210,240	
13	168,480	295,650	325,370	227,760	
14	181,440	318,400	350,400	245,280	

LBCE Type	Description
N	6 X 25 (6 X 19 Class) - Filler Wire - Extra Improved Plow Steel - Preformed - I.W.R.C. - Right Lay - Regular Lay
RB	Rotation Resistant - 19 Strand, Compacted Strand - Extra Extra Improved Plow Steel - Preformed - Right Lay - Regular Lay
LB	6 Strand, Compacted Strand - Seale or Warrington Seale - Preformed - I.W.R.C. - Right Lay - Regular Lay

* Use of swivel end with 1 part of line is not recommended.

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CAPACITY DEDUCTIONS FOR AUXILIARY LOAD HANDLING EQUIPMENT

Lifting From Luffing Jib With:	Weight (lb)
30 ft Fixed Jib Installed	4,000
15-ton hook ball on fixed jib *	750
15-ton hook ball on auxiliary sheave *	750
60-ton hook block on auxiliary sheave *	1,700
Extra wire rope hoist line reeving	1.5 lbs/ft
Lifting From Auxiliary Sheave With:	**Weight (lb)**
15 Ton Hook Ball on Fixed Jib *	750
15 Ton Hook Ball on Luffing Jib *	750
60 Ton Hook Block on Luffing Jib *	1,700
Pendant Deflector (w/o Luffing Jib)	500
Luffing Jib Backstops (w/o Luffing Jib)	750
80' Luffing Jib	16,500
90' Luffing Jib	17,700
100' Luffing Jib	19,000
110' Luffing Jib	20,400
120' Luffing Jib	21,800
130' Luffing Jib	23,200
140' Luffing Jib	24,700
150' Luffing Jib	26,300
160' Luffing Jib	27,900
80' Luffing Jib + 30' Fixed Jib	20,200
90' Luffing Jib + 30' Fixed Jib	21,700
100' Luffing Jib + 30' Fixed Jib	23,200
110' Luffing Jib + 30' Fixed Jib	24,700
120' Luffing Jib + 30' Fixed Jib	26,300
130' Luffing Jib + 30' Fixed Jib	28,000
140' Luffing Jib + 30' Fixed Jib	29,600
150' Luffing Jib + 30' Fixed Jib	31,400
Extra Wire Rope Hoist Line Reeving	1.5 lbs/ft

* - (see hook block for actual weight)

WIND SPEED RESTRICTIONS

1. Failure to follow these wind speed restrictions may result in structural failure of the luffing jib and/or luffing boom, which would cause property damage and/or bodily injury.
2. The effects of the wind force on the hook load are the responsibility of the user and are not taken into account. When hoisting any load in windy conditions, the load wind area and load controllability must be considered for safe crane operation.
3. Wind speed is to be determined at the luffing boom cap.

WIND SPEED CHART

Luffing Boom Lengths:	85' to 145'
Luffing Jib Only Lengths:	80' to 120'
Luffing Jib + Fixed Jib Lengths:	80 + 30' or 90' + 30'

DESCRIPTION	ALLOWABLE WIND SPEED IN M.P.H.
1. Normal Lifting Operation. (See Capacity Charts)	0-25
2. Reduced Operation. **Capacities must be reduced by 50%.**	26-40
3. No Operation. Store Attachment On Ground.	Over 40
4. Job Site Travel Charts. (See Operator's Manual)	0-15

Luffing Boom Lengths:	155' or 165'
Luffing Jib Only Lengths:	130' to 160'
Luffing Jib + Fixed Jib Lengths:	100' + 30' to 150' + 30'

DESCRIPTION	ALLOWABLE WIND SPEEDS IN M.P.H
1. Normal Lifting Operation. (See Capacity Charts)	0-25
2. No Operation. Store Attachment.*	26-40
3. No Operation. Store Attachment On Ground.	Over 40
4. Job Site Travel Charts. (See Operator's Manual)	0-15

*The attachment must be stored in one of the following positions:
1. Lay the luffing boom and luffing jib on the ground.
2. Tie off luffing boom tip to an immovable object. For details and information on the tie-off procedure, see the Operator's Manual.

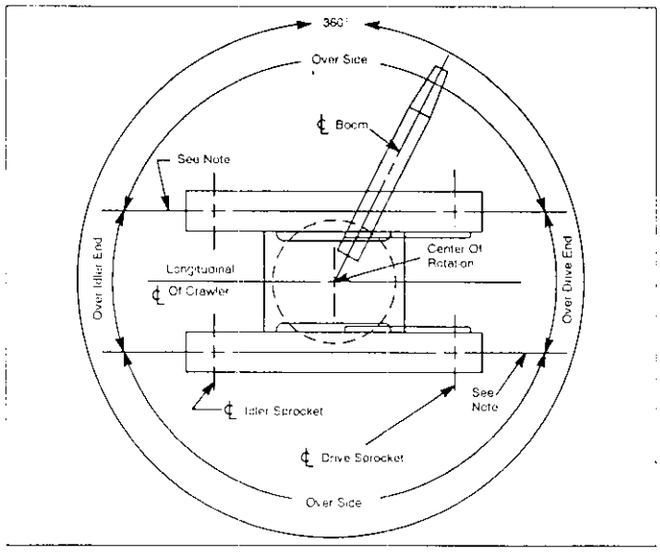
JOB SITE TRAVEL RESTRICTIONS

1. All capacities listed in this Crane Rating Manual are static rated capacities. Job site travel with a load is prohibited.
2. Travel with the luffing jib folded under and latched to the luffing boom is permitted only when the luffing boom is at a 75 degree luffing boom angle.
3. Travel is prohibited at luffing boom angles greater than 85 degrees.
4. If a luffing attachment combination has a capacity listed for a given radius and the luffing boom angle is less than 85 degrees, travel without load is permitted in that configuration.
5. With the luffing boom set at 75 degrees, travel without load is permitted at the negative value of any luffing jib angle that has a rated capacity on the 360° chart for a 75° luffing boom angle.
6. Travel is restricted to smooth, level, and solid surfaces.
7. The upper must be positioned straight over the end of the crawler lower.
8. The swing lock must be engaged.
9. The wind speed must be less than 15 mph.
10. See Operator's Manual for more information.

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WORKING AREAS



Note: These Lines Determine The Limiting Position Of Any Load For Operation Within Working Areas Indicated.

ROLLED OUT LIFTOFF CAPABILITIES

Luffing Boom Length		Luffing Jib Length		Luffing Jib + Fixed Jib Length	
ft	*m*	ft	*m*	ft	*m*
85	*25.9*	80-160	*24.4-48.8*	80+30 - 150+30	*24.4+9.1-45.7+9.1*
95	*29.0*	80-160	*24.4-48.8*	80+30 - 150+30	*24.4+9.1-45.7+9.1*
105	*32.0*	80-160	*24.4-48.8*	80+30 - 150+30	*24.4+9.1-45.7+9.1*
115	*35.1*	80-160	*24.4-48.8*	80+30 - 150+30	*24.4+9.1-45.7+9.1*
125	*38.1*	80-160	*24.4-48.8*	80+30 - 150+30	*24.4+9.1-45.7+9.1*
*135	*41.1*	80-160	*24.4-48.8*	80+30 - 150+30	*24.4+9.1-45.7+9.1*
*145	*44.2*	80-160	*24.4-48.8*	80+30 - 150+30	*24.4+9.1-45.7+9.1*
*155	*47.2*	80-160	*24.4-48.8*	80+30 - 150+30	*24.4+9.1-45.7+9.1*
*165	*50.3*	110-160	*33.5-48.8*	110+30 - 150+30	*33.5+9.1-45.7+9.1*

ROLLED UNDER LIFTOFF CAPABILITIES				LATCHED UNDER LIFTOFF CAPABILITIES			
Luffing Boom Length		Luffing Jib Length		Luffing Boom Length		Luffing Jib Length	
ft	*m*	ft	*m*	ft	*m*	ft	*m*
95	*29.0*	80	*24.4*	95	*29.0*	80	*24.4*
105	*32.0*	80-90	*24.4-27.4*	105	*32.0*	80-90	*24.4-27.4*
115	*35.1*	80-100	*24.4-30.5*	115	*35.1*	80-100	*24.4-30.5*
125	*38.1*	80-110	*24.4-33.5*	125	*38.1*	80-110	*24.4-33.5*
*135	*41.1*	80-120	*24.4-36.6*	*135	*41.1*	80-120	*24.4-36.6*
*145	*44.2*	80-130	*24.4-39.6*	*145	*44.2*	80-130	*24.4-39.6*
*155	*47.2*	80-140	*24.4-42.7*	*155	*47.2*	80-140	*24.4-42.7*
*165	*50.3*	110-150	*33.5-45.7*				

Notes:

1. Erection must be done over the end of the lower, with the idlers / sprockets blocked with 5/8" steel plate.
2. Counterweights: "ABC" 69,000 lb Upper + 20,000 lb Lower.

AUXILIARY SHEAVES NOTES

1. Capacities are for a LS-238H Crawler Crane with ABC (69,000 lb) upper counterweight and 20K (20,000 lb) lower counterweight.
2. Capacities are for Crawler Crane working areas, as described on the Working Areas Chart found in the General Information section of this Crane Rating Manual and are based on the crane sitting level on a firm supporting surface.
3. Capacities are limited to an LBCE 62" x 70" tubular boom with a luffing boom top.
4. Four parts of line are required for maximum lift.
5. Capacities are for luffing boom lengths between 85 feet and 165 feet.
6. The least stable condition is over the end with **unblocked** idlers and sprockets.
7. All capacities are in pounds and are not more than 75% of the tipping loads. Those capacities followed by an asterisk are governed by factors other than those which would cause a tipping condition.
8. The appropriate deduction must be taken if any luffing jib or fixed jib components are installed. See the Capacity Deductions for Auxiliary Load Handling Equipment for more information.
9. If the luffing jib is installed, the minimum luffing boom angle is 65 degrees. The maximum boom angle is 80 degrees when using the auxiliary sheaves.
10. The luffing jib should be set to a 15 degree offset when using the auxiliary sheaves.
11. See Operator's Manual for more information.

CRANE ASSEMBLY COMPONENT WEIGHTS

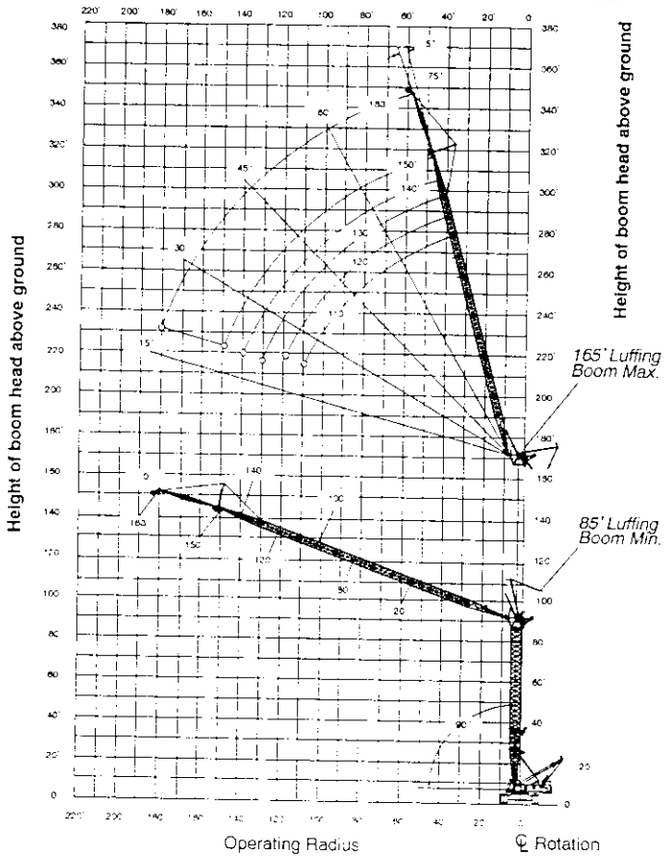
Component	Weight lbs	Weight *kg*
1. 20 ft Luffing Boom Base Section (w/o 3rd Drum)	3,780	*1 715*
• 3rd Drum (w/o Rope)	1, 910	*866*
• 3rd Drum Rope (745 Ft. of 7/8" type "RB")	1,120	*508*
2. 10 ft Self Assembly Section	3,160	*1 433*
3. Luffing Boom Extensions (w/o Luffing Jib Bail Guide Rails and Pendants)	62 lbs/ft	*92 kg/m*
• Luffing Jib Bail Guide Rails (50' Required)	25 lbs/ft	*37 kg/m*
• Luffing Boom Pendants	13 lbs/ft	*19 kg/m*
4. Luffing Jib Bail	1,010	*458*
5. Luffing Jib Bridle	460	*209*
6. Luffing Boom Cap	2,820	*1 279*
7. Pendant Deflector	500	*227*
8. Luffing Jib Backstops	750	*340*
9. Fan Post Assembly	2,530	*1 148*
10. Luffing Jib Base	1,510	*685*
11. Luffing Jib Extensions (w/o Pendants)	44 lbs/ft	*65 kg/m*
• Luffing Jib Pendants	11 lbs/ft.	*17 kg/m*
12. Luffing Jib Peak (w/2 Sheaves)	2800	*1 270*
13. 30' Fixed Jib Assembly	1,740	*789*
14. Upper Counterweights		
• CTWT. "A"	23,000	*10 433*
• CTWT. "B"	19,330	*8 768*
• CTWT. "C"	26,670	*12 098*
• CTWT. "AB"	42,330	*19 201*
• CTWT. "ABC"	69,000	*31 298*
15. Lower Counterweights (Each)	10,000	*4 536*
16. Counterweight Assist Frame	3,400	*1 542*
17. Side Frames (Each)	35,000	*15 876*
18. Carbody Jack Cylinders (Each)	560	*254*

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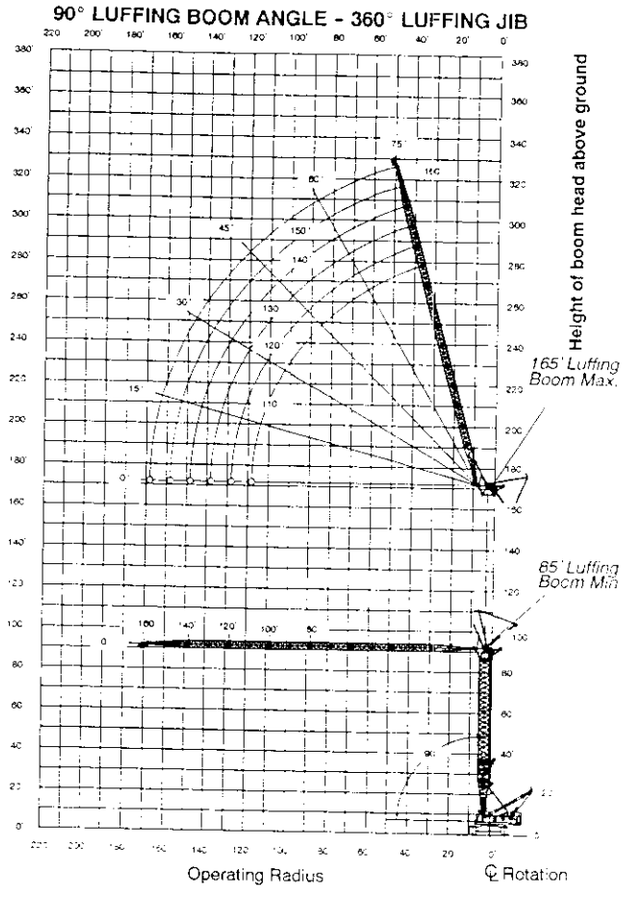
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CONSTRUCTION EQUIPMENT

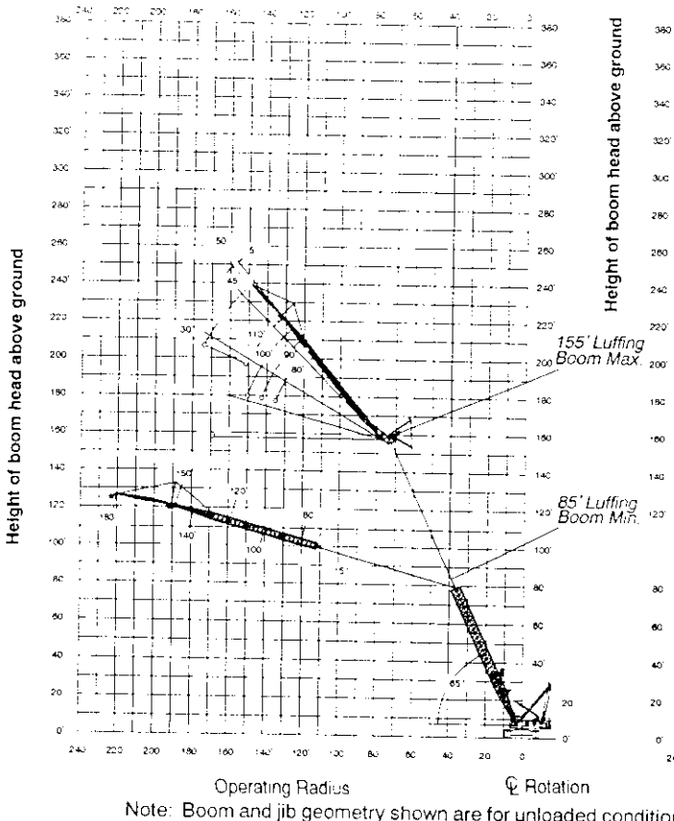
90° LUFFING BOOM ANGLE - 360° LUFFING JIB + FIXED JIB



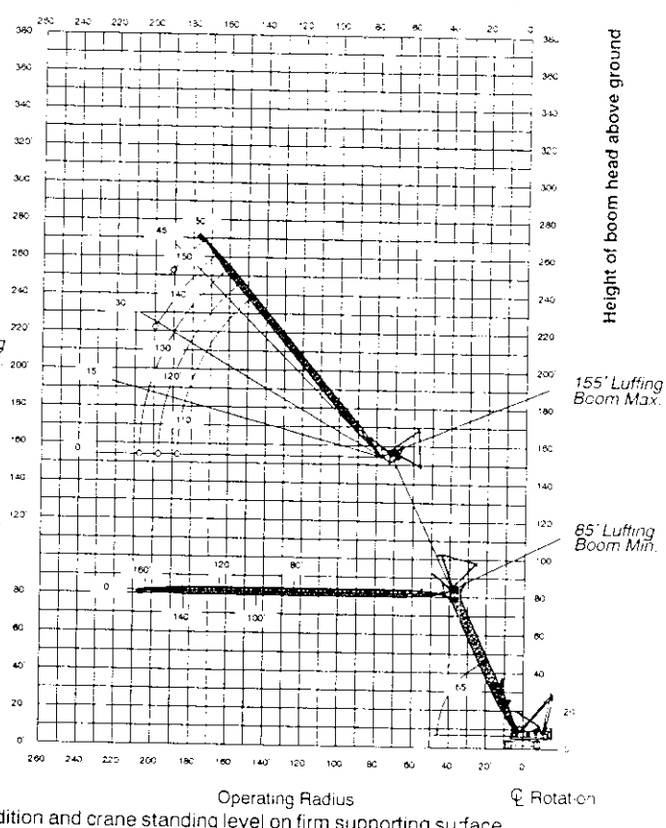
90° LUFFING BOOM ANGLE - 360° LUFFING JIB



65° LUFFING BOOM ANGLE - 360° LUFFING JIB + FIXED JIB



65° LUFFING BOOM ANGLE - 360° LUFFING JIB



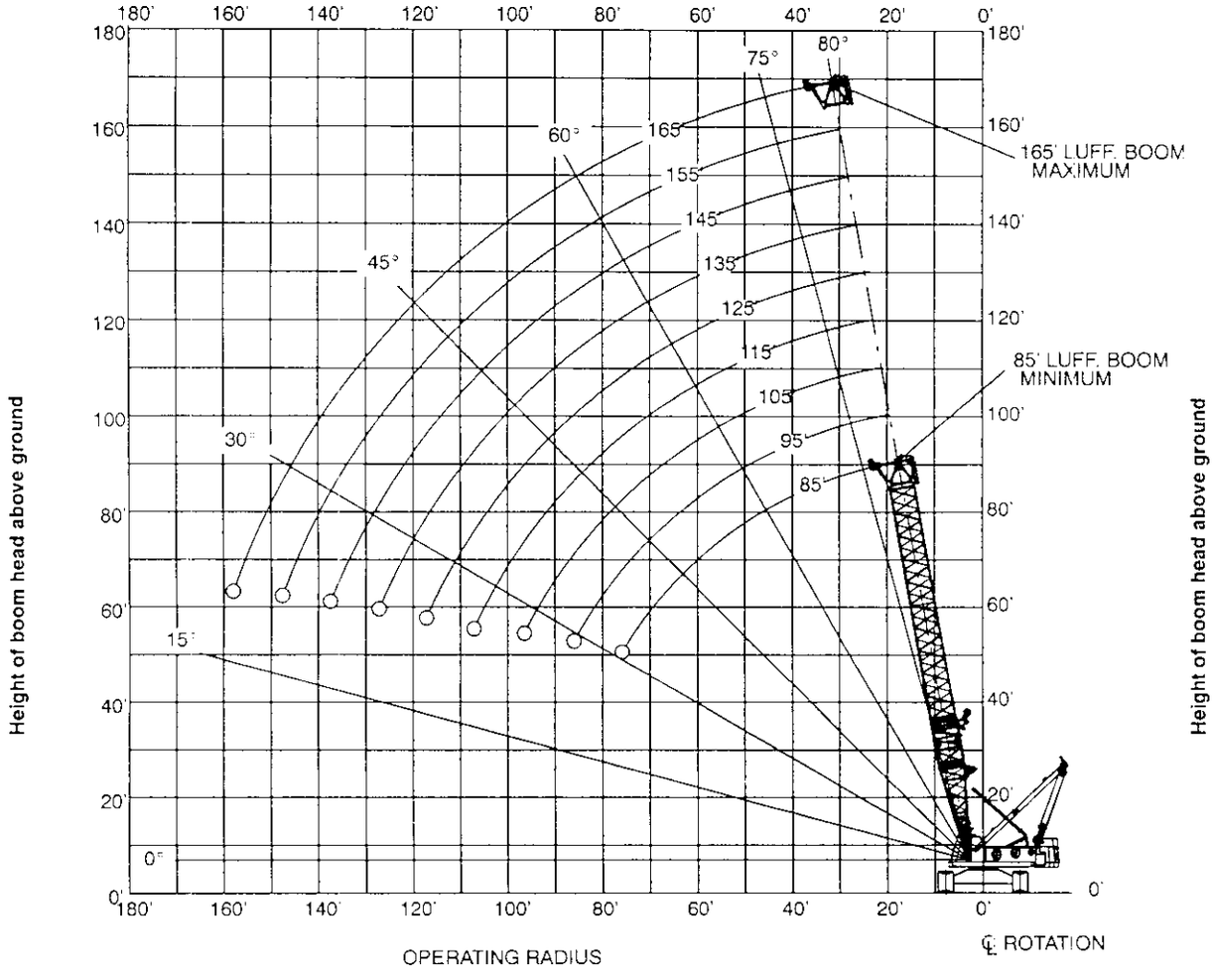
Note: Boom and jib geometry shown are for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.

GENERAL INFORMATION ONLY

LS–238H Luffing Attachment

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AUXILIARY SHEAVES – 360°



Note: Boom and jib geometry shown are for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.

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LS-238H 360 Degree Capacities

62" x 70" Luffing Room, 44" x 54" Luffing Jib, ABC + 20K Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle													
			90°		85°		80°		75°		70°		65°			
			Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)			
85	80	29	54.0	*												
85	80	30	52.7	*												
85	80	35	48.3	*												
85	80	40	43.8	*												
85	80	43			47.2	*										
85	80	50	38.5	*	41.3	*										
85	80	57					38.9	*								
85	80	60	35.0	*	36.4	*	36.1	*								
85	80	70	32.5	*	31.1	*	29.7	*	28.4	*						
85	80	80	26.7	*	26.3	*	25.1	*	23.9	*						
85	80	83									22.0	*				
85	80	88	15.6	*												
85	80	90			22.6	*	21.7	*	20.7	*	19.7	*				
85	80	95			17.8	*							17.5	*		
85	80	100					19.0	*	18.1	*	17.2	*	16.3	*		
85	80	103					18.3	*								
85	80	110							15.9	*	15.2	*	14.4	*		
85	80	117									13.9	*				
85	80	120											12.8	*		
85	80	124											12.2	*		
85	100	34	44.4	*												
85	100	35	43.7	*												
85	100	40	40.4	*												
85	100	50	34.8	*	38.3	*										
85	100	60	31.0	*	33.1	*										
85	100	65					32.1	*								
85	100	70	28.3	*	29.4	*	29.2	*								
85	100	80	26.4	*	25.9	*	24.6	*	23.4	*						
85	100	90	23.3	*	22.4	*	21.3	*	20.3	*						
85	100	94									18.1	*				
85	100	100	19.8	*	19.5	*	18.6	*	17.6	*	16.7	*				
85	100	108	11.6	*									14.3	*		
85	100	110			17.2	*	16.4	*	15.5	*	14.7	*	13.9	*		
85	100	115			13.4	*										
85	100	120					14.6	*	13.8	*	13.0	*	12.3	*		
85	100	123					14.1	*								

LS-238H 360 Degree Capacities

62" x 70" Luffing Room, 44" x 54" Luffing Jib, ABC + 20K Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle													
			90°		85°		80°		75°		70°		65°			
			Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)			
85	100	130											11.0	*		
85	100	137														
85	100	140											9.8	*		
85	100	144											9.4	*		
85	120	39	37.5	*												
85	120	40	37.0	*												
85	120	50	31.9	*												
85	120	57			31.8	*										
85	120	60	28.0	*	30.3	*										
85	120	70	25.2	*	26.7	*										
85	120	73					27.0	*								
85	120	80	23.0	*	24.0	*	24.1	*								
85	120	90	21.0	*	21.5	*	20.9	*	19.8	*						
85	120	100	20.0	*	19.1	*	18.2	*	17.2	*						
85	120	105									15.0	*				
85	120	110	17.7	*	16.9	*	16.0	*	15.1	*	14.2	*				
85	120	120	14.6	*	15.0	*	14.2	*	13.4	*	12.6	*				
85	120	121											11.7	*		
85	120	128	8.6	*												
85	120	130			13.4	*	12.6	*	11.9	*	11.2	*	10.5	*		
85	120	135			10.1	*										
85	120	140					11.3	*	10.7	*	10.0	*	9.4	*		
85	120	143					11.0	*								
85	120	150							9.6	*	9.0	*	8.4	*		
85	120	157									8.4	*				
85	120	160											7.6	*		
85	120	164											7.3	*		
85	140	44	31.3	*												
85	140	50	28.9	*												
85	140	60	25.4	*												
85	140	63			26.3	*										
85	140	70	22.0	*	24.3	*										
85	140	80	20.1	*	21.1	*										
85	140	82					22.1	*								
85	140	90	18.5	*	19.2	*	20.3	*								

GENERAL INFORMATION ONL

LS-238H 360 Degree Capacities

62'' x 70'' Luffing Boom, 44'' x 54'' Luffing Jib, ABC + 20K Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle 90° Capacity (kips)	85° Capacity (kips)	80° Capacity (kips)	75° Capacity (kips)	70° Capacity (kips)	65° Capacity (kips)
85	140	100	17.3 *	17.7 *	17.7	16.7		
85	140	110	16.3 *	16.4	15.5	14.6		
85	140	117					12.5	
85	140	120	15.4 *	14.6	13.7	12.9	12.1	
85	140	130	13.3 *	13.0	12.2	11.5	10.7	
85	140	133						9.6
85	140	140	10.9 *	11.7	10.9	10.2	9.6	8.9
85	140	148	6.3 *					
85	140	150		10.5 *	9.8	9.2	8.6	7.9
85	140	155		7.5 *				
85	140	160			8.9 *	8.3	7.7	7.1
85	140	163			8.6			
85	140	170				7.5	6.9	6.4
85	140	177					6.4	
85	140	180						5.7
85	140	184						5.5
85	160	49	26.0 *					
85	160	50	25.9 *					
85	160	60	22.2 *					
85	160	70	19.8 *	21.2 *				
85	160	80	17.9 *	19.0 *				
85	160	90	16.3 *	17.2 *	18.2 *			
85	160	100	15.1 *	15.6 *	16.5 *			
85	160	110	14.0 *	14.4 *	15.0 *	14.1		
85	160	120	13.2 *	13.5 *	13.3 *	12.4		
85	160	129					10.4	
85	160	130	12.6 *	12.6 *	11.8 *	11.0	10.2	
85	160	140	11.7 *	11.2 *	10.5 *	9.8	9.1	
85	160	146						7.8
85	160	150	9.9 *	10.1 *	9.4 *	8.7	8.1	7.4
85	160	160	8.1 *	9.1 *	8.5 *	7.8	7.2	6.6
85	160	168	4.4 *					
85	160	170		8.0 *	7.6 *	7.0	6.5	5.9
85	160	175		5.5 *				
85	160	180			6.9 *	6.3	5.8	5.3
85	160	183			6.6 *			

LS-238H 360 Degree Capacities

62'' x 70'' Luffing Boom, 44'' x 54'' Luffing Jib, ABC + 20K Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle 90° Capacity (kips)	85° Capacity (kips)	80° Capacity (kips)	75° Capacity (kips)	70° Capacity (kips)	65° Capacity (kips)
85	160	190						4.7
85	160	197					5.2	
85	160	200					4.8	
85	160	204						4.2
85	160							4.0
105	80	29	52.2 *					
105	80	30	51.1 *					
105	80	35	47.0 *					
105	80	40	42.8 *					
105	80	45		46.0 *				
105	80	50	37.8 *	41.5 *				
105	80	60	34.5 *	36.4 *	35.4 *			
105	80	70	32.6	30.9	29.2			
105	80	75				25.1		
105	80	80	26.6 *	26.1	24.6	23.2		
105	80	88	16.3 *					
105	80	90		22.5 *	21.3	20.1	18.9	
105	80	97		18.6 *				
105	80	100			18.6	17.5	16.4	
105	80	103						14.6
105	80	106			17.1			
105	80	110				15.4	14.4	13.5
105	80	115				14.4		
105	80	120					12.8	11.9
105	80	124					12.2	
105	80	130						10.6
105	80	132						10.4
105	100	34	42.9 *					
105	100	35	42.2 *					
105	100	40	39.2 *					
105	100	50	33.9 *					
105	100	51		37.2 *				
105	100	60	30.3 *	33.0 *				
105	100	68			29.4			
105	100	70	27.7 *	29.3 *	28.6			
105	100	80	25.9 *	25.7	24.1			

GENERAL INFORMATION ONL

BIGGE ⚠ This information is for reference use only. Operators manual should be consulted and adhered to.
Please contact Bigge Crane and Rigging Co. at 888-337-BIGGE or email info@bigge.com for further information. ⚠ BIGGE

LS-238H 360 Degree Capacities

62'' x 70'' Luffing Boom, 44'' x 54'' Luffing Jib, ABC + 20K Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle													
			90°		85°		80°		75°		70°		65°	
			Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)	
105	100	85							21.0					
105	100	90	23.4	•	22.2	•	20.9		19.6					
105	100	100	19.8	•	19.4	•	18.2		17.0		15.6			
105	100	101											11.9	
105	100	108	12.2	•										
105	100	110			17.1	•	16.0		15.0		13.9			
105	100	116											11.4	
105	100	117			14.0	•								
105	100	120					14.2		13.3		12.3			
105	100	126					13.2						10.2	
105	100	130							11.9		11.0			
105	100	135							11.2					
105	100	140									9.9		9.1	
105	100	144									9.4			
105	100	150											8.2	
105	100	152											8.0	
105	120	39	36.0	•										
105	120	40	35.6	•										
105	120	50	30.8	•										
105	120	58			30.8	•								
105	120	60	27.2	•	30.1	•								
105	120	70	24.5	•	26.5	•								
105	120	77					24.8						9.7	
105	120	80	22.0	•	23.8	•	23.6							
105	120	90	20.6	•	21.3	•	20.4							
105	120	95							17.7		13.0			
105	120	100	19.7	•	19.0		17.7		16.5					
105	120	110	17.8		16.7		15.6		14.5					
105	120	112									11.8			
105	120	120	14.6	•	14.8		13.8		12.8					
105	120	128	9.1	•										
105	120	129											9.7	
105	120	130			13.3	•	12.3		11.4		10.5		9.6	
105	120	137			10.6	•								
105	120	140					11.1		10.2		9.4		8.6	
105	120	146					10.3							

LS-238H 360 Degree Capacities

62'' x 70'' Luffing Boom, 44'' x 54'' Luffing Jib, ABC + 20K Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle													
			90°		85°		80°		75°		70°		65°	
			Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)	
105	120	150											7.7	
105	120	155									8.4			
105	120	160							9.2				6.9	
105	120	164							8.7		7.6			
105	120	170									7.3		6.2	
105	120	172											6.0	
105	140	44					30.0	•						
105	140	50					27.8	•						
105	140	60					24.5	•						
105	140	65												
105	140	70					21.3	•						
105	140	80					19.5	•						
105	140	85												
105	140	90					18.0	•						
105	140	100					16.8	•						
105	140	105												
105	140	110					15.9	•						
105	140	120					15.3	•						
105	140	124												
105	140	130					13.3	•						
105	140	140					10.9	•						
105	140	142												
105	140	148					6.7	•						
105	140	150												
105	140	157												
105	140	160												
105	140	166												
105	140	170												
105	140	175												
105	140	180												
105	140	184												
105	140	190												
105	140	192												
105	160	49												
105	160	50												

GENERAL INFORMATION ONL

LS-238H 360 Degree Capacities

62'' x 70'' Luffing Boom, 44'' x 54'' Luffing Jib, ABC + 20K Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle											
			90°		85°		80°		75°		70°		65°	
			Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)	
105	160	60	21.3	*										
105	160	70	19.0	*										
105	160	72			20.4	*								
105	160	80	17.2	*	18.7	*								
105	160	90	15.8	*	16.9	*								
105	160	94					17.6	*						
105	160	100	14.6	*	15.3	*	16.5	*						
105	160	110	13.6	*	14.2	*	14.7	*						
105	160	115							12.6					
105	160	120	12.8	*	13.2	*	12.9	*	11.8					
105	160	130	12.2	*	12.4		11.4		10.5					
105	160	135									8.9			
105	160	140	11.7	*	11.1		10.2		9.3		8.4			
105	160	150	9.8	*	10.0		9.1		8.3		7.4			
105	160	155											6.3	
105	160	160	8.1	*	9.0		8.2		7.4		6.6		5.9	
105	160	168	4.7	*										
105	160	170			8.1		7.4		6.6		5.9		5.2	
105	160	177			5.9	*								
105	160	180					6.7		6.0		5.3		4.6	
105	160	186					6.2							
105	160	190							5.4		4.7		4.1	
105	160	195							5.1					
105	160	200									4.2		3.6	
105	160	204									4.0			
105	160	210											3.2	
105	160	212											3.1	
125	80	29	50.1	*										
125	80	30	49.1	*										
125	80	35	44.5	*										
125	80	40	41.4	*										
125	80	46			43.7	*								
125	80	50	36.7	*	41.3	*								
125	80	60	33.6	*	36.1	*								
125	80	61					32.2	*						
125	80	70	31.9	*	30.6	*	28.5	*						

LS-238H 360 Degree Capacities

62'' x 70'' Luffing Boom, 44'' x 54'' Luffing Jib, ABC + 20K Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle											
			90°		85°		80°		75°		70°		65°	
			Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)	
125	80	80	26.6	*	25.9	*	24.1		22.4					
125	80	88	16.8	*										
125	80	90			22.4	*	20.9		19.3					
125	80	96									16.2			
125	80	99			19.1	*								
125	80	100					18.2	*	16.8		15.5			
125	80	110					16.0	*	14.8		13.6			
125	80	112											12.1	
125	80	120							13.1	*	12.1		11.0	
125	80	130									10.7		9.8	
125	80	131									10.6			
125	80	140											8.7	
125	100	34	41.0	*										
125	100	35	40.4	*										
125	100	40	37.7	*										
125	100	50	32.8	*										
125	100	53			35.9	*								
125	100	60	29.4	*	32.7	*								
125	100	70	26.9	*	29.0	*								
125	100	72					27.0	*						
125	100	80	25.2	*	25.4	*	23.5	*						
125	100	90	23.5	*	22.0	*	20.4	*	18.7	*				
125	100	100	19.7	*	19.2	*	17.8	*	16.3	*				
125	100	108	12.6	*										
125	100	110			16.9	*	15.6	*	14.3	*	13.4			
125	100	119			14.4	*					13.1			
125	100	120					13.9	*	12.7	*	11.5		9.8	
125	100	125											9.2	
125	100	130			12.4	*			11.3	*	10.3		8.2	
125	100	140							10.1	*	9.2		7.4	
125	100	150									8.2			
125	100	151									8.2		6.6	
125	100	160												
125	120	39	34.3	*										
125	120	40	33.9	*										

ENERAL INFORMATION ONL

LS-238H 360 Degree Capacities

62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + 20K Counterweight

Luffing Boom Angle

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	90° Capacity (kips)	85° Capacity (kips)	80° Capacity (kips)	75° Capacity (kips)	70° Capacity (kips)	65° Capacity (kips)
125	120	50	29.6 *					
125	120	60	26.1 *	29.5 *				
125	120	70	23.7 *	26.1 *				
125	120	80	21.3 *	23.4 *	22.8			
125	120	90	20.0 *	20.9 *	19.9			
125	120	100	19.1 *	18.8 *	17.3	15.7		
125	120	110	17.9	16.5	15.2	13.8		
125	120	119					11.1	
125	120	120	14.6 *	14.7	13.4	12.2	11.0	
125	120	128	9.4 *					
125	120	130		13.1	12.0	10.9	9.8	
125	120	138						7.9
125	120	139		11.0 *				
125	120	140			10.7	9.7	8.7	7.7
125	120	150			9.7	8.7	7.8	6.9
125	120	160				7.8	7.0	6.1
125	120	170					6.3	5.5
125	120	171					6.2	
125	120	180						4.9
125	140	44	28.4 *					
125	140	50	26.4 *					
125	140	60	23.4 *					
125	140	67		24.3 *				
125	140	70	20.5 *	23.4 *				
125	140	80	18.7 *	20.5 *				
125	140	89			19.7			
125	140	90	17.3 *	18.5 *	19.4			
125	140	100	16.2 *	17.1 *	16.8			
125	140	110	15.4 *	15.9 *	14.7	13.3		
125	140	120	14.8 *	14.3 *	13.0	11.7		
125	140	130	13.2 *	12.7 *	11.5	10.4		
125	140	131					9.1	
125	140	140	10.9 *	11.4 *	10.3	9.2	8.2	
125	140	148	7.0 *					
125	140	150		10.3 *	9.2 *	8.3 *	7.3 *	6.3 *
125	140	159		8.3 *				

LS-238H 360 Degree Capacities

62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + 20K Counterweight

Luffing Boom Angle

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	90° Capacity (kips)	85° Capacity (kips)	80° Capacity (kips)	75° Capacity (kips)	70° Capacity (kips)	65° Capacity (kips)
125	140	160			8.3	7.4	6.5	5.6
125	140	170			7.5	6.7	5.8	5.0
125	140	180				6.0	5.2	4.4
125	140	190					4.6	3.9
125	140	191					4.6	
125	140	200						3.5
125	160	49	23.2 *					
125	160	50	23.2 *					
125	160	60	20.2 *					
125	160	70	18.2 *					
125	160	74		19.5 *				
125	160	80	16.4 *	18.2 *				
125	160	90	15.1 *	16.4 *				
125	160	97			16.9 *			
125	160	100	13.9 *	14.9 *	16.3 *			
125	160	110	13.0 *	13.8 *	14.2 *			
125	160	120	12.3 *	12.8 *	12.5 *	11.1		
125	160	130	11.7 *	12.0 *	11.1 *	9.9		
125	160	140	11.4 *	11.0 *	9.8 *	8.7		
125	160	142					7.4	
125	160	150	9.8 *	9.8 *	8.8 *	7.8	6.8	
125	160	160	8.0 *	8.9 *	7.9 *	6.9	6.0	
125	160	163						4.9
125	160	168	5.0 *					
125	160	170		8.0 *	7.1 *	6.2	5.3	4.4
125	160	179		6.1 *				
125	160	180			6.4 *	5.5	4.7	3.9
125	160	190			5.8 *	5.0 *	4.2 *	3.4 *
125	160	200				4.4 *	3.7 *	3.0 *
125	160	210					3.3 *	2.6 *
125	160	211					3.2 *	
125	160	220						2.2 *
145	80	29	43.8 *					
145	80	30	43.3 *					
145	80	35	41.3 *					

FNERAL INFORMATION ON

LS-238H 360 Degree Capacities

62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + 20K Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle													
			90°		85°		80°		75°		70°		65°	
			Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)	
145	80	40	39.4	•	39.6	•								
145	80	48												
145	80	50	35.2	•	38.8	•								
145	80	60	31.8	•	34.8	•								
145	80	67					29.4							
145	80	70	28.9	•	30.3		27.8							
145	80	80	26.5	•	25.6		23.4							
145	80	85							19.7					
145	80	88	17.1	•										
145	80	90			22.2		20.3		18.5					
145	80	100			19.4		17.7		16.1					
145	80	101			19.1									
145	80	103									13.8			
145	80	110					15.6		14.1		12.7			
145	80	113					15.0							
145	80	120							12.5		11.2		9.9	
145	80	125							11.7					
145	80	130									10.0		8.8	
145	80	137									9.2			
145	80	140											7.9	
145	80	149											7.1	
145	100	34	37.0	•										
145	100	35	36.7	•										
145	100	40	35.1	•										
145	100	50	31.3	•										
145	100	55			32.9	•								
145	100	60	28.2	•	31.3	•								
145	100	70	25.9	•	28.3	•								
145	100	75					24.7							
145	100	80	23.7	•	25.1		22.9							
145	100	90	21.7	•	21.8		19.8							
145	100	95							16.5					
145	100	100	19.7	•	19.0		17.3		15.5					
145	100	108	12.8	•										
145	100	110			16.8		15.2		13.6					
145	100	115									11.4			

LS-238H 360 Degree Capacities

62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + 20K Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle													
			90°		85°		80°		75°		70°		65°	
			Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)	
145	80	120			14.9	•	13.5		12.1		10.7			
145	80	121			14.6	•								
145	80	130					12.0		10.7		9.5			
145	80	133					11.6						7.9	
145	80	140							9.6		8.5		7.3	
145	80	145							9.0					
145	80	150									7.6		6.5	
145	80	157									7.0			
145	80	160											5.8	
145	80	169											5.3	
145	80	39	31.1	•										
145	80	40	30.9	•										
145	80	50	27.9	•										
145	80	60	24.9	•										
145	80	62			27.2	•								
145	80	70	22.1	•	25.2	•								
145	80	80	20.5	•	22.2	•								
145	80	84					21.2							
145	80	90	19.2	•	20.4	•	19.3							
145	80	100	17.9	•	18.6	•	16.8							
145	80	105							13.9					
145	80	110	16.7	•	16.4	•	14.7		13.1					
145	80	120	14.6	•	14.5	•	13.0		11.5		9.3			
145	80	126												
145	80	128	9.6	•										
145	80	130			13.0	•	11.6		10.3		8.9			
145	80	140			11.6	•	10.4		9.1		7.9			
145	80	141			11.2	•								
145	80	146											6.3	
145	80	150					9.3		8.2		7.1		6.0	
145	80	153					9.0							
145	80	160							7.4		6.3		5.3	
145	80	165							6.9					
145	80	170									5.7		4.7	
145	80	177									5.2			
145	80	180											4.2	

GENERAL INFORMATION ON

LS-238H 360 Degree Capacities

62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + 20K Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle 90° Capacity (kips)	85° Capacity (kips)	80° Capacity (kips)	75° Capacity (kips)	70° Capacity (kips)	65° Capacity (kips)
145	120	189						3.7
145	140	44	25.1 *					
145	140	50	24.4 *					
145	140	60	21.6 *					
145	140	69		22.3 *				
145	140	70	19.5 *	22.0 *				
145	140	80	17.9 *	19.8 *				
145	140	90	16.5 *	17.9 *				
145	140	92			18.1			
145	140	100	15.5 *	16.5 *	16.3			
145	140	110	14.7 *	15.4 *	14.2			
145	140	115				11.7		
145	140	120	13.6 *	14.1 *	12.5	11.0		
145	140	130	12.8 *	12.5 *	11.1	9.7		
145	140	138					7.6	
145	140	140	10.8 *	11.2 *	9.9	8.6	7.4	
145	140	148	7.1 *					
145	140	150		10.1	8.9	7.7	6.5	
145	140	159						4.8
145	140	160		9.1 *	8.0	6.9	5.8	4.7
145	140	161		8.4 *				
145	140	170			7.2	6.2	5.2	4.2
145	140	173			7.0			
145	140	180				5.5	4.6	3.7
145	140	185				5.2		
145	140	190					4.1	3.2
145	140	197					3.7	
145	140	200						2.8
145	140	209						2.4
145	160	49	19.0 *					
145	160	50	18.9 *					
145	160	60	18.1 *					
145	160	70	17.1 *					
145	160	75		18.2 *				
145	160	80	15.5 *	17.5 *				

LS-238H 360 Degree Capacities

62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + 20K Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle 90° Capacity (kips)	85° Capacity (kips)	80° Capacity (kips)	75° Capacity (kips)	70° Capacity (kips)	65° Capacity (kips)
145	160	90	14.3 *	15.8 *				
145	160	100	13.2 *	14.4 *				
145	160	101			15.6			
145	160	110	12.3 *	13.3 *	13.7			
145	160	120	11.6 *	12.3 *	12.1			
145	160	125				9.8		
145	160	130	10.8 *	11.6 *	10.7	9.2		
145	160	140	9.9 *	10.8	9.5	8.1		
145	160	149					6.1	
145	160	150	9.2 *	9.7	8.4	7.2	6.0	
145	160	160	8.0 *	8.7	7.6	6.4	5.3	
145	160	168	5.1 *					
145	160	170		7.9	6.8	5.7	4.6	
145	160	172						3.5
145	160	180		6.8 *	6.1	5.1	4.1	3.1
145	160	181		6.2 *				
145	160	190			5.5	4.5	3.6	2.7
145	160	193			5.3			
145	160	200				4.0	3.1	2.3
145	160	205				3.8		
145	160	210					2.7	
145	160	217					2.5	
145	120	39	25.9 *					
145	120	40	25.8 *					
145	120	50	24.0 *					
145	120	60	21.8 *					
145	120	63		23.3 *				
145	120	70	20.0 *	21.9 *				
145	120	80	18.4 *	20.1 *				
145	120	87			19.5			
145	120	90	17.0 *	18.5 *	18.7			
145	120	100	15.7 *	17.1 *	16.2			
145	120	110	14.7 *	15.9 *	14.2			
145	120	111				12.2		
145	120	120	13.8 *	14.3	12.6	10.8		
145	120	128	9.8 *					

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LS-238H 360 Degree Capacities

62'' x 70'' Luffing Boom, 44'' x 54'' Luffing Jib, ABC + 20K Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle 90° Capacity (kips)	85° Capacity (kips)	80° Capacity (kips)	75° Capacity (kips)	70° Capacity (kips)	65° Capacity (kips)
165	120	130		12.8	11.2	9.6		
165	120	133					7.7	
165	120	140		11.5	10.0	8.5	7.1	
165	120	142		10.5 *				
165	120	150			9.0	7.6	6.3	
165	120	154						4.7
165	120	157			8.4			
165	120	160				6.8	5.6	4.4
165	120	170				6.1	5.0	3.9
165	120	171				6.1		
165	120	180					4.4	3.4
165	120	184					4.2	
165	120	190						3.0
165	120	197						2.6
165	140	44	19.9 *					
165	140	50	19.4 *					
165	140	60	18.4 *					
165	140	70	17.3 *	19.1 *				
165	140	80	16.1 *	17.6 *				
165	140	90	14.8 *	16.3 *				
165	140	96			16.6 *			
165	140	100	13.7 *	15.0 *	15.7 *			
165	140	110	12.7 *	13.9 *	13.7 *			
165	140	120	11.7 *	12.9 *	12.1 *			
165	140	121				10.2 *		
165	140	130	10.9 *	12.0 *	10.7 *	9.1 *		
165	140	140	10.3 *	11.1 *	9.5 *	8.0 *		
165	140	144					6.2 *	
165	140	148	7.3 *					
165	140	150		9.9 *	8.5 *	7.1 *	5.7 *	
165	140	160		9.0 *	7.7 *	6.3 *	5.1 *	
165	140	162		7.9 *				3.4
165	140	167			6.9 *	5.7 *	4.5 *	3.3
165	140	170			6.4 *			
165	140	177				5.1 *	3.9 *	2.8
165	140	180						

LS-238H 360 Degree Capacities

62'' x 70'' Luffing Boom, 44'' x 54'' Luffing Jib, ABC + 20K Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle 90° Capacity (kips)	85° Capacity (kips)	80° Capacity (kips)	75° Capacity (kips)	70° Capacity (kips)	65° Capacity (kips)
165	140	190						
165	140	191				4.5	3.5	2.4
165	140	200					3.0	2.0
165	140	204					2.8	
165	160	49	14.9 *					
165	160	50	14.8 *					
165	160	60	14.2 *					
165	160	70	13.4 *					
165	160	77		15.5 *				
165	160	80	12.6 *	15.2 *				
165	160	90	11.7 *	14.0 *				
165	160	100	10.8 *	13.0 *				
165	160	104			13.8 *			
165	160	110	10.0 *	12.0 *	13.2 *			
165	160	120	9.2 *	11.1 *	11.6 *			
165	160	130	8.4 *	10.3 *	10.2 *			
165	160	131				8.4		
165	160	140	7.8 *	9.6 *	9.0 *	7.5 *		
165	160	150	7.3 *	8.9 *	8.1 *	6.6 *	4.8	
165	160	156						
165	160	160	6.9 *	8.4 *	7.2 *	5.8 *	4.5	
165	160	168	5.2 *					
165	160	170		7.7 *	6.4 *	5.2 *	3.9	
165	160	180		6.6 *	5.8 *	4.6 *	3.4	
165	160	182		5.8 *				
165	160	190			5.2 *	4.0 *	2.9	
165	160	197			4.8 *			
165	160	200				3.6 *	2.5	
165	160	210				3.1 *	2.1	
165	160	211				3.1 *		

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LS – 238H
LUFFING ATTACHMENT
CRANE RATING MANUAL

THIS MANUAL IS APPROVED FOR USE WITH:

CRANE SERIAL NUMBER_____

LUFFING ATTACHMENT SERIAL NUMBER_____

For Replacement, Order Part Number: F5P0027
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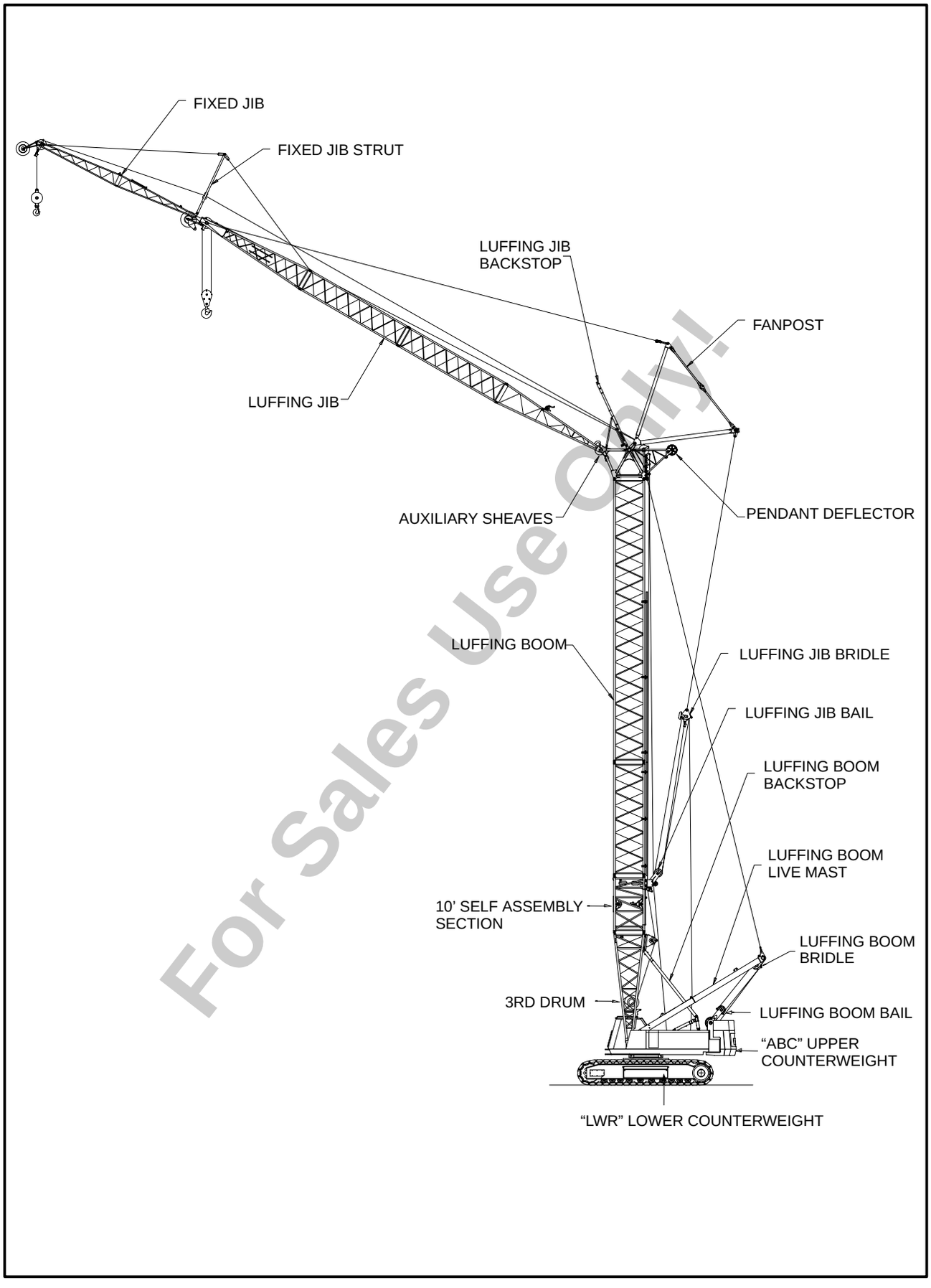
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⚠ WARNING

READ AND UNDERSTAND THE OPERATOR'S AND SAFETY MANUAL AND THE FOLLOWING INSTRUCTIONS AND CHART VALUES BEFORE OPERATING THE CRANE. OPERATION WHICH DOES NOT FOLLOW THESE INSTRUCTIONS MAY RESULT IN AN ACCIDENT.

OPERATING INSTRUCTIONS

GENERAL:

1. Rated lifting capacities in kips (1000 pounds) as shown on lift charts pertain to this crane as originally manufactured and normally equipped. Modifications to the crane or use of optional equipment other than that specified can result in a reduction of capacity.
2. Construction equipment can be dangerous if improperly operated or maintained. Operation and maintenance of this crane must be in compliance with the information in the Operator's, Parts, and Safety Manuals supplied with this crane. If these manuals are missing, order replacements through the distributor.
3. The operator and other personnel associated with this crane shall read and fully understand the latest applicable American National Standards Institute (ANSI) safety standards for cranes.
4. All capacities listed in this book are in compliance with ASME/ANSI B30.5b—1991, SAE J987—April 1994, and SAE J765—October 1990.

SET UP:

5. For all operating conditions, the crane must be leveled on a firm supporting surface that will adequately support the loadings without settling or collapsing.

⚠ WARNING

For over end capacities and lift off of combinations with luffing boom lengths longer than 125', the idlers/sprockets must be blocked with 5/8" steel plate.

6. Counterweights: All luffing attachment combinations require the Maximum Counterweight Combination (ABC + LWR).
7. Refer to the Operator's Manual for instructions pertaining to assembly and raising and lowering of the attachment.
8. The fixed jib has only one length (30 ft) and only one offset with respect to the luffing jib (5 degrees).

LUFFING ATTACHMENT OPERATION:

9. Capacities shown in this Crane Rating Manual are inkips (1000 pounds) and are not more than 75% of the tipping loads with the crane standing level on a firm supporting surface. A deduction must be made from these capacities for weight of hook block, hook ball, sling, grapple, load weighing device, etc. Deduct 1.5 pounds for every foot of extra wire rope hoist line reeving. When lifting from the luffing jib with the fixed jib installed, reduce capacities by the values shown on the Capacity Deductions For Auxiliary Load Handling Equipment. See Operator's Manual for all limitations when raising or lowering the attachment.
10. Do not suspend more than one load at a time.
11. The crane capacities marked with an asterisk (*) are based on structural strength. The crane capacities in the non—asterisked areas are based on stability ratings.
12. For recommended reeving, parts of line, wire rope type, and wire rope inspection, see Operator's Manual and Parts Manual.
13. Load ratings in this Crane Rating Manual are based on freely suspended loads and make no allowances for such factors as the effect of the wind on load, ground conditions, and operating speeds. The operator shall therefore reduce load ratings in order to take these conditions into account. Refer to the Wind Speed Restrictions and Job Site Travel Restrictions for safe operation, travel, and storage of the attachment.
14. The 26 ft luffing boom live mast must be used for all capacities shown in this Crane Rating Manual.
15. The least stable rated condition is over the end with **unblocked** sprockets and idlers.
16. Refer to the enclosed charts for allowable attachment liftoff lengths and allowable working lengths at the various luffing boom angles.
17. Do not operate at radii or boom lengths where this Crane Rating Manual lists no capacity. Do not use longer booms or jibs than those listed in this Crane Rating Manual. Any of the above can cause a tipping condition or boom and jib failure.
18. Do not travel with a load.

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CAPACITY DEDUCTIONS FOR AUXILIARY LOAD HANDLING EQUIPMENT

Lifting From Luffing Jib With:	Weight (lb)
30 ft Fixed Jib Installed	4,000
15 Ton Hook Ball on Fixed Jib (see hook ball for actual weight)	750
15 Ton Hook Ball on Auxiliary Sheave (see hook ball for actual weight)	750
60 Ton Hook Block on Auxiliary Sheave (see hook block for actual weight)	1,700
Extra Wire Rope Hoist Line Reeving	1.5 lbs/ft

Lifting From Auxiliary Sheave With:	Weight (lb)
15 Ton Hook Ball on Fixed Jib (see hook ball for actual weight)	750
15 Ton Hook Ball on Luffing Jib (see hook ball for actual weight)	750
60 Ton Hook Block on Luffing Jib (see hook block for actual weight)	1,700
Pendant Deflector (w/o Luffing Jib)	500
Luffing Jib Backstops (w/o Luffing Jib)	750
80’ Luffing Jib	16,500
90’ Luffing Jib	17,700
100’ Luffing Jib	19,000
110’ Luffing Jib	20,400
120’ Luffing Jib	21,800
130’ Luffing Jib	23,200
140’ Luffing Jib	24,700
150’ Luffing Jib	26,300
160’ Luffing Jib	27,900
80’ Luffing Jib + 30’ Fixed Jib	20,200
90’ Luffing Jib + 30’ Fixed Jib	21,700
100’ Luffing Jib + 30’ Fixed Jib	23,200
110’ Luffing Jib + 30’ Fixed Jib	24,700
120’ Luffing Jib + 30’ Fixed Jib	26,300
130’ Luffing Jib + 30’ Fixed Jib	28,000
140’ Luffing Jib + 30’ Fixed Jib	29,600
150’ Luffing Jib + 30’ Fixed Jib	31,400
Extra Wire Rope Hoist Line Reeving	1.5 lbs/ft

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WIRE ROPE CAPACITY CHART

Parts of Line	3/4"	7/8"			Notes
	Type RB	Type N	Type LB	Type RB	
1	12,960*	22,740	25,020	17,520*	Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in this Crane Rating Manual. Study Operator's Manual for wire rope inspection procedures.
2	25,920	45,480	50,050	35,040	
3	38,880	68,220	75,080	52,560	
4	51,840	90,970	100,110	70,080	
5	64,800	113,710	125,140	87,600	
6	77,760	136,450	150,170	105,120	
7	90,720	159,200	175,200	122,640	
8	103,680	181,940	200,220	140,160	
9	116,640	204,680	225,250	157,680	
10	129,600	227,420	250,280	175,200	
11	142,560	250,170	275,310	192,720	
12	155,520	272,910	300,340	210,240	
13	168,480	295,650	325,370	227,760	
14	181,440	318,400	350,400	245,280	

LBCE Type	Description
N	6 X 25 (6 X 19 Class) – Filler Wire – Extra Improved Plow Steel – Preformed – I.W.R.C. – Right Lay – Regular Lay
RB	Rotation Resistant – 19 Strand, Compacted Strand – Extra Extra Improved Plow Steel – Preformed – Right Lay – Regular Lay
LB	6 Strand, Compacted Strand – Seale or Warrington Seale – Preformed – I.W.R.C. – Right Lay – Regular Lay

* Use of swivel end with 1 part of line is not recommended.

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WIND SPEED RESTRICTIONS

1. Failure to follow these wind speed restrictions may result in structural failure of the luffing jib and/or luffing boom, which would cause property damage and/or bodily injury.
2. The effects of the wind force on the hook load are the responsibility of the user and are not taken into account. When hoisting any load in windy conditions, the load wind area and load controllability must be considered for safe crane operation.
3. Wind speed is to be determined at the luffing boom cap.

WIND SPEED CHART

Luffing Boom Lengths: **85' to 145'**
Luffing Jib Only Lengths: **80' to 120'**
Luffing Jib + Fixed Jib Lengths: **80 + 30' or 90' + 30'**

DESCRIPTION	ALLOWABLE WIND SPEEDS IN M.P.H.
1. Normal Lifting Operation. (See Capacity Charts)	0—25
2. Reduced Operation. **Capacities must be reduced by 50%.**	26—40
3. No Operation. Store Attachment On Ground.	Over 40
4. Job Site Travel Charts. (See Operator's Manual)	0—15

Luffing Boom Lengths: **155' or 165'**
Luffing Jib Only Lengths: **130' to 160'**
Luffing Jib + Fixed Jib Lengths: **100' + 30' to 150' + 30'**

DESCRIPTION	ALLOWABLE WIND SPEEDS IN M.P.H.
1. Normal Lifting Operation. (See Capacity Charts)	0—25
2. No Operation. Store Attachment.*	26—40
3. No Operation. Store Attachment On Ground.	Over 40
4. Job Site Travel Charts. (See Operator's Manual)	0—15

*The attachment must be stored in one of the following positions:
1. Lay the luffing boom and luffing jib on the ground.
2. Tie off luffing boom tip to an immovable object. For details and information on the tie—off procedure, see the Operator's Manual.

JOB SITE TRAVEL RESTRICTIONS

1. All capacities listed in this Crane Rating Manual are static rated capacities. Job site travel with a load is prohibited.
2. Travel with the luffing jib folded under and latched to the luffing boom is permitted only when the luffing boom is at a 75 degree luffing boom angle.
3. Travel is prohibited at luffing boom angles greater than 85 degrees.
4. If a luffing attachment combination has a capacity listed for a given radius and the luffing boom angle is less than 85 degrees, travel without load is permitted in that configuration.
5. With the luffing boom set at 75 degrees, travel without load is permitted at the negative value of any luffing jib angle that has a rated capacity on the 360° chart for a 75° luffing boom angle.
6. Travel is restricted to smooth, level, and solid surfaces.
7. The upper must be positioned straight over the end of the crawler lower.
8. The swing lock must be engaged.
9. The wind speed must be less than 15 mph.
10. See Operator's Manual for more information.

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ROLLED OUT LIFTOFF CAPABILITIES

Luffing Boom Length		Luffing Jib Length		Luffing Jib + Fixed Jib Length	
ft	m	ft	m	ft	m
85	25.9	80–160	24.4–48.8	80+30 – 150+30	24.4+9.1–45.7+9.1
95	29.0	80–160	24.4–48.8	80+30 – 150+30	24.4+9.1–45.7+9.1
105	32.0	80–160	24.4–48.8	80+30 – 150+30	24.4+9.1–45.7+9.1
115	35.1	80–160	24.4–48.8	80+30 – 150+30	24.4+9.1–45.7+9.1
125	38.1	80–160	24.4–48.8	80+30 – 150+30	24.4+9.1–45.7+9.1
*135	41.1	80–160	24.4–48.8	80+30 – 150+30	24.4+9.1–45.7+9.1
*145	44.2	80–160	24.4–48.8	80+30 – 150+30	24.4+9.1–45.7+9.1
*155	47.2	80–160	24.4–48.8	80+30 – 150+30	24.4+9.1–45.7+9.1
*165	50.3	110–160	33.5–48.8	110+30 – 150+30	33.5+9.1–45.7+9.1

ROLLED UNDER LIFTOFF CAPABILITIES

Luffing Boom Length		Luffing Jib Length	
ft	m	ft	m
95	29.0	80	24.4
105	32.0	80–90	24.4–27.4
115	35.1	80–100	24.4–30.5
125	38.1	80–110	24.4–33.5
*135	41.1	80–120	24.4–36.6
*145	44.2	80–130	24.4–39.6
*155	47.2	80–140	24.4–42.7
*165	50.3	110–150	33.5–45.7

LATCHED UNDER LIFTOFF CAPABILITIES

Luffing Boom Length		Luffing Jib Length	
ft	m	ft	m
95	29.0	80	24.4
105	32.0	80–90	24.4–27.4
115	35.1	80–100	24.4–30.5
125	38.1	80–110	24.4–33.5
*135	41.1	80–120	24.4–36.6
*145	44.2	80–130	24.4–39.6
*155	47.2	80–140	24.4–42.7

⚠ WARNING

The luffing boom angle must be 75° when erecting or lowering the luffing jib. Crane damage can occur. See Operator's Manual for more information.

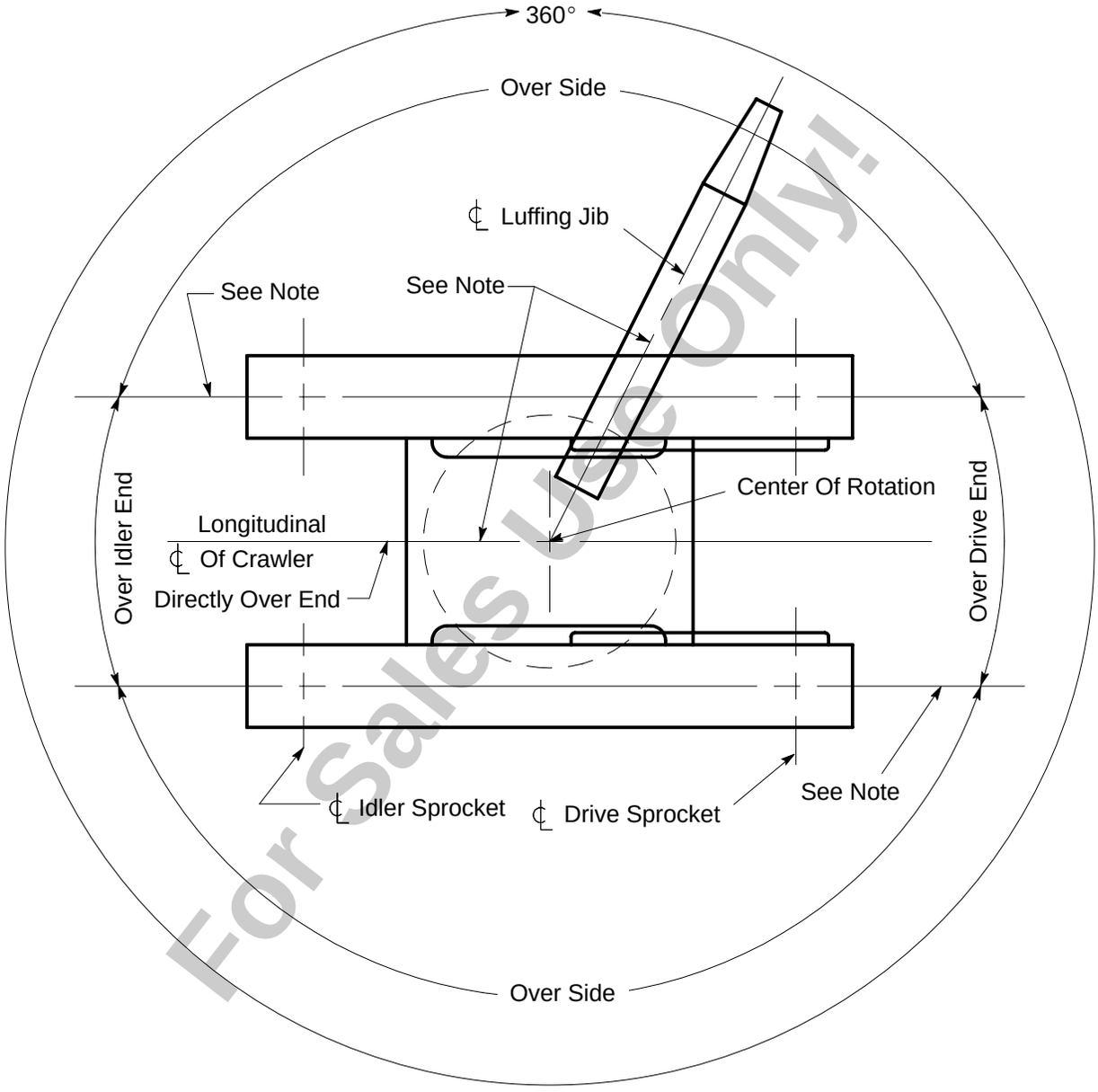
*** Erection must be done over the end of the lower, with the idlers/sprockets blocked with 5/8" steel plate. Counterweights "ABC" 69,000 lb Upper + "LWR" must be installed.**

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WORKING AREAS



Note: These Lines Determine The Limiting Position Of Any Load For Operation Within Working Areas Indicated.

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AUXILIARY SHEAVES NOTES

1. Capacities are for a LS−238H Crawler Crane with “ABC” upper counterweight and “LWR” lower counterweight.
2. Capacities are for working areas as described on the Working Areas Chart found in the General Information section of this Crane Rating Manual and are based on the crane sitting level on a firm supporting surface.
3. Capacities are limited to an LBCE 62” x 70” tubular boom with a luffing boom top.
4. Four parts of line are required for maximum lift.
5. Capacities are for luffing boom lengths between 85 feet and 165 feet.
6. The least stable condition is over the end with **unblocked** idlers and sprockets.
7. All capacities are in pounds and are not more than 75% of the tipping loads. Those capacities followed by an asterisk are governed by factors other than those which would cause a tipping condition.
8. The appropriate deduction must be taken if any luffing jib or fixed jib components are installed. See the Capacity Deductions for Auxiliary Load Handling Equipment for more information.
9. If the luffing jib is installed, the minimum luffing boom angle is 65 degrees. The maximum boom angle is 80 degrees when using the auxiliary sheaves.
10. The luffing jib should be set to a 15 degree offset when using the auxiliary sheaves.
11. See Operator’s Manual for more information.

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CRANE ASSEMBLY COMPONENT WEIGHTS

Component	Weight	
	lb	kg
1. 20 ft Luffing Boom Base Section (w/o 3rd Drum)	3,780	1 715
• 3rd Drum (w/o Rope)	1, 910	866
• 3rd Drum Rope (745 Ft. of 7/8" type "RB")	1,120	508
2. 10 ft Self Assembly Section	3,160	1 433
3. Luffing Boom Extensions (w/o Luffing Jib Bail Guide Rails and Pendants)	62 lbs/ft	92 kg/m
• Luffing Jib Bail Guide Rails (50' Required)	25 lbs/ft	37 kg/m
• Luffing Boom Pendants	13 lbs/ft	19 kg/m
4. Luffing Jib Bail	1,010	458
5. Luffing Jib Bridle	460	209
6. Luffing Boom Cap	2,820	1 279
7. Pendant Deflector	500	227
8. Luffing Jib Backstops	750	340
9. Fan Post Assembly	2,530	1 148
10. Luffing Jib Base	1,510	685
11. Luffing Jib Extensions (w/o Pendants)	44 lbs/ft	65 kg/m
• Luffing Jib Pendants	11 lbs/ft.	17 kg/m
12. Luffing Jib Peak (w/2 Sheaves)	2800	1 270
13. 30' Fixed Jib Assembly	1,740	789
14. Upper Counterweights		
• CTWT. "A"	23,000	10 433
• CTWT. "B"	19,330	8 768
• CTWT. "C"	26,670	12 098
• CTWT. "AB"	42,330	19 201
• CTWT. "ABC"	69,000	31 298
15. Auxiliary Lower Counterweights (Each)		
• with 38" Shoes	10,000	4 536
• with 44" Shoes	7,700	3 493
16. Counterweight Assist Frame	3,400	1 542
17. Side Frame Assemblies		
• with 38" Shoes	35,000	15 876
• with 44" Shoes	36,800	16 692
18. Carbody Jack Cylinders (Each)	560	254

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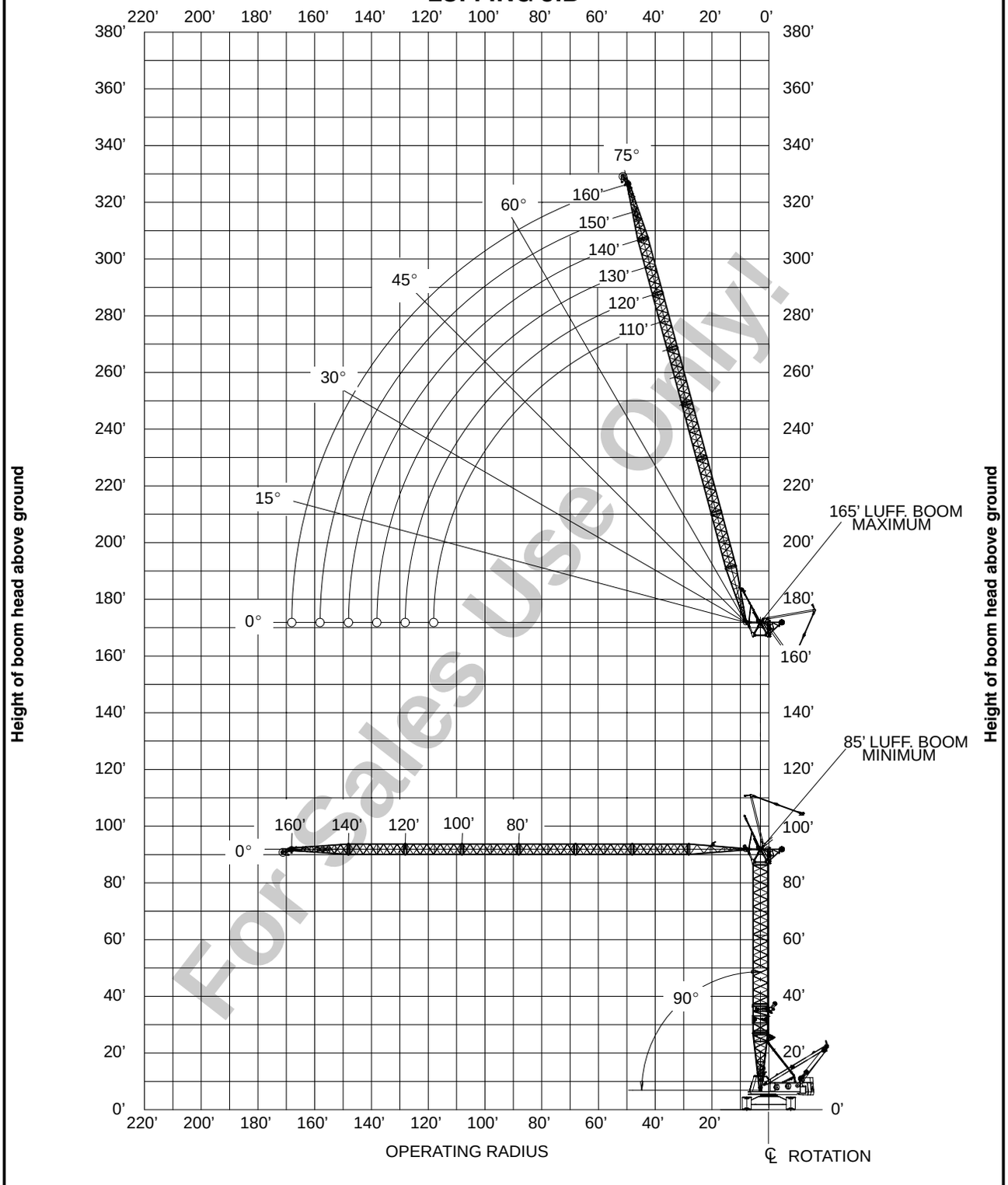
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WORKING RANGE DIAGRAM

90° LUFFING BOOM ANGLE – 360°
LUFFING JIB



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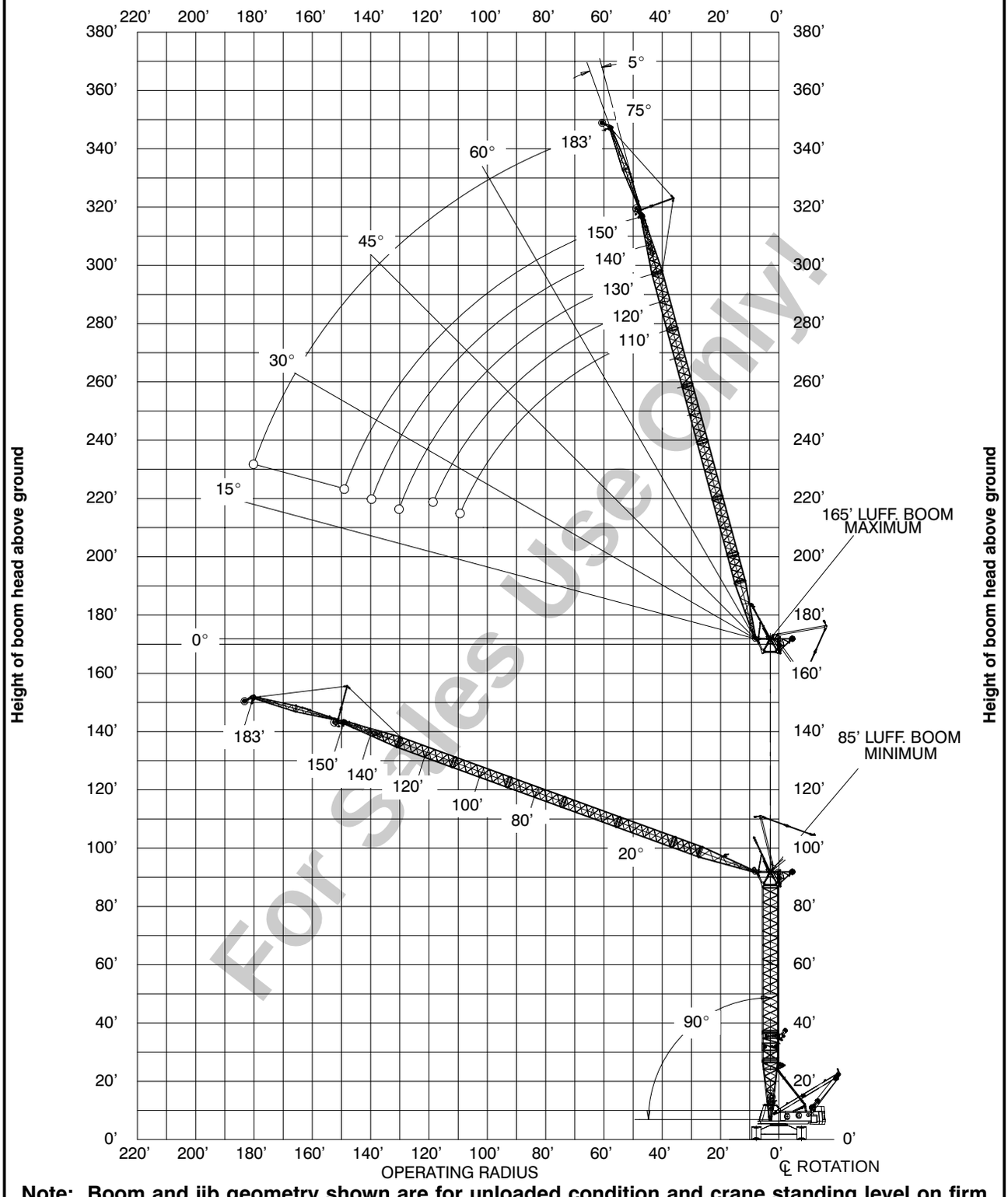
Note: Boom and jib geometry shown are for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.

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WORKING RANGE DIAGRAM

90° LUFFING BOOM ANGLE – 360°
LUFFING JIB + FIXED JIB



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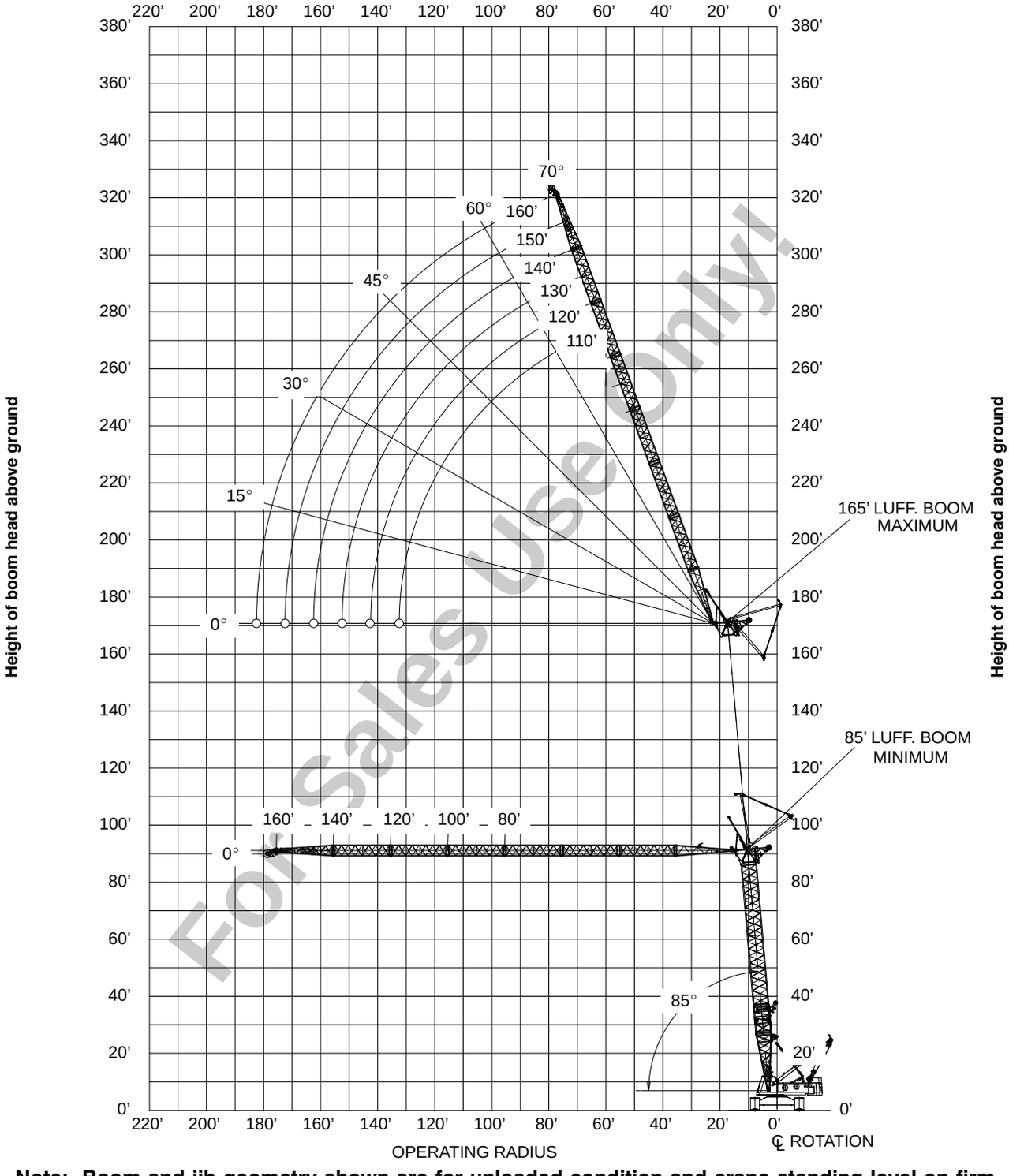
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WORKING RANGE DIAGRAM

85° LUFFING BOOM ANGLE – 360° LUFFING JIB



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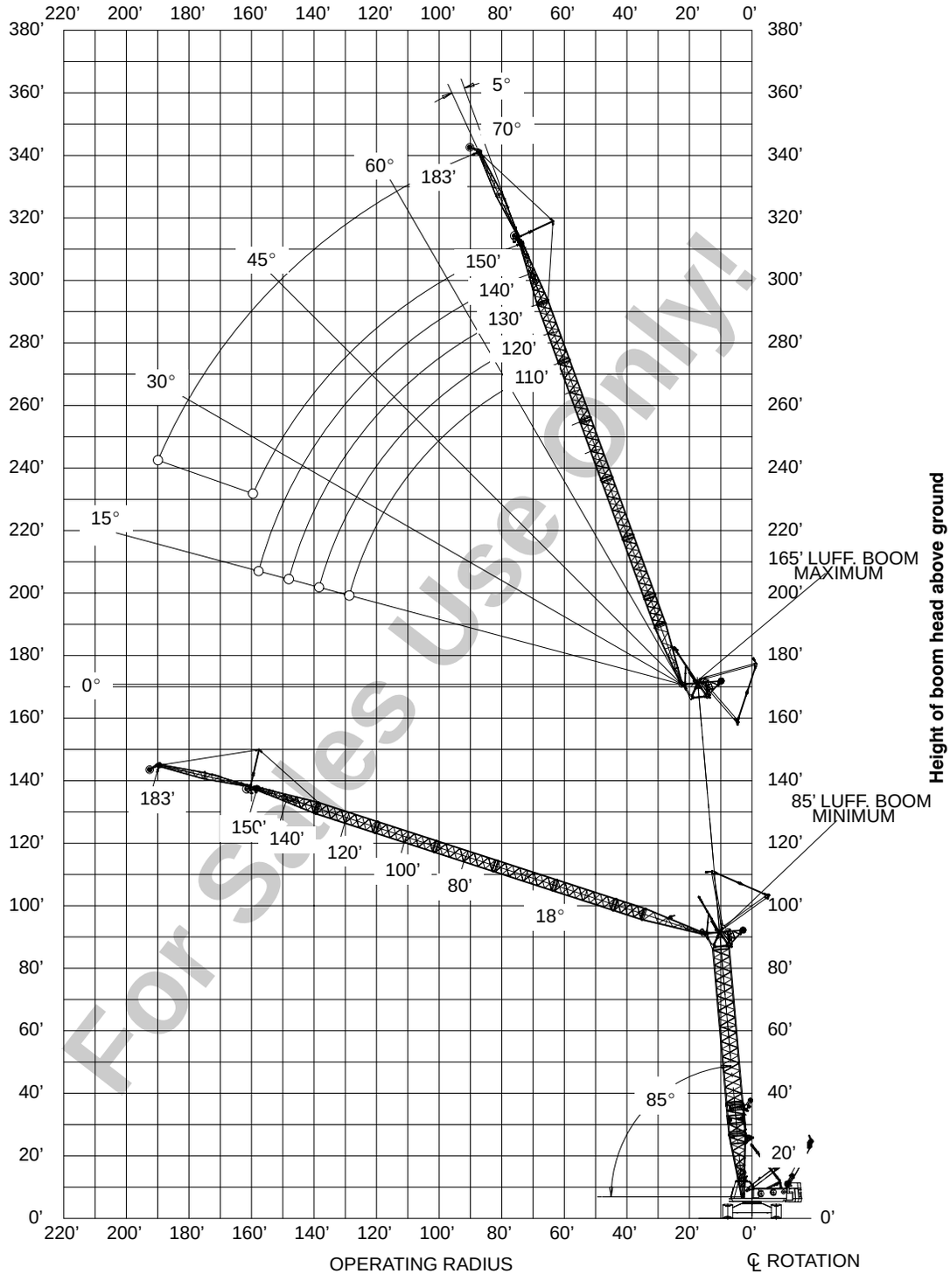
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WORKING RANGE DIAGRAM

85° LUFFING BOOM ANGLE – 360°
LUFFING JIB + FIXED JIB



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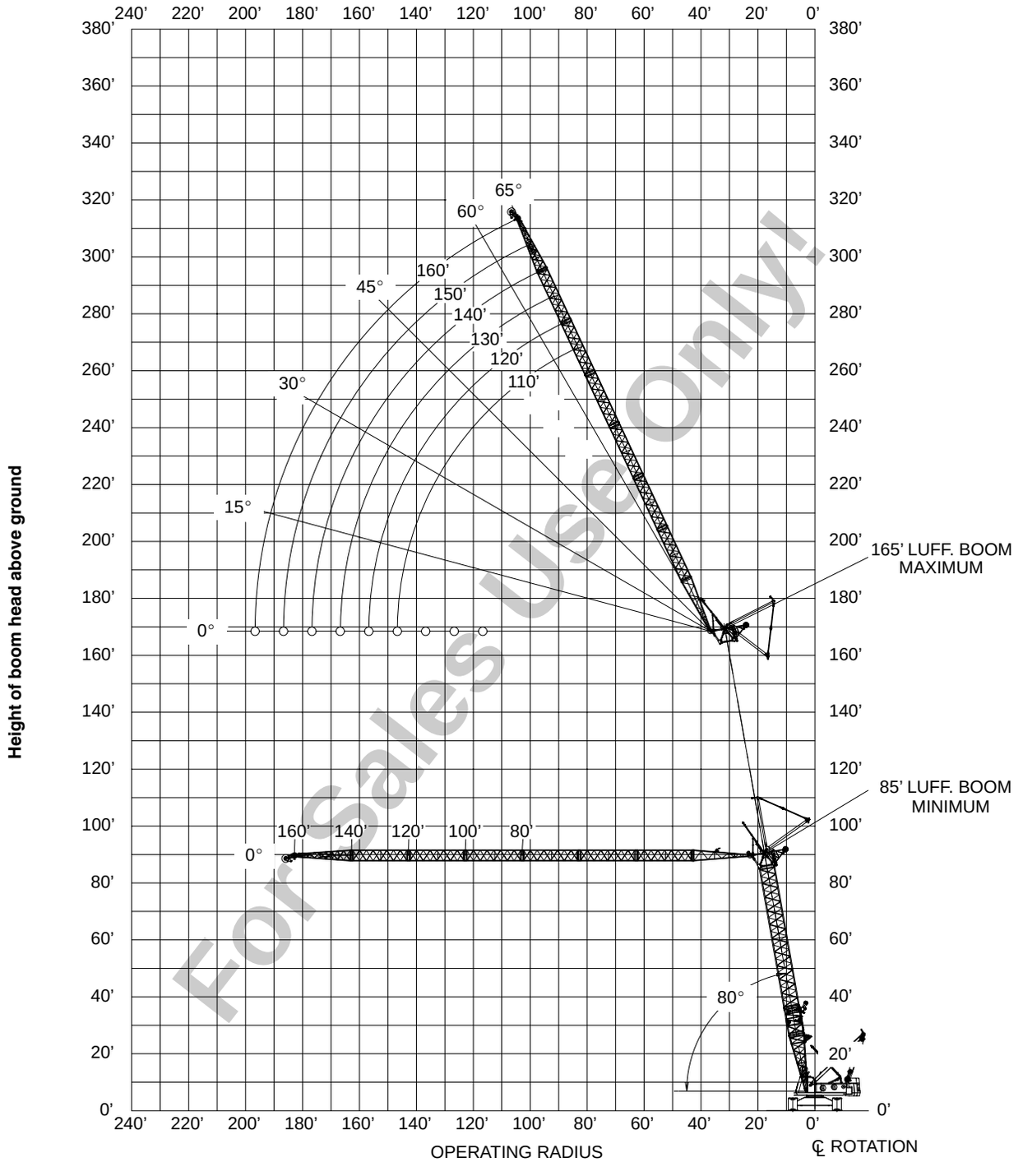
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WORKING RANGE DIAGRAM

80° LUFFING BOOM ANGLE – 360°
LUFFING JIB



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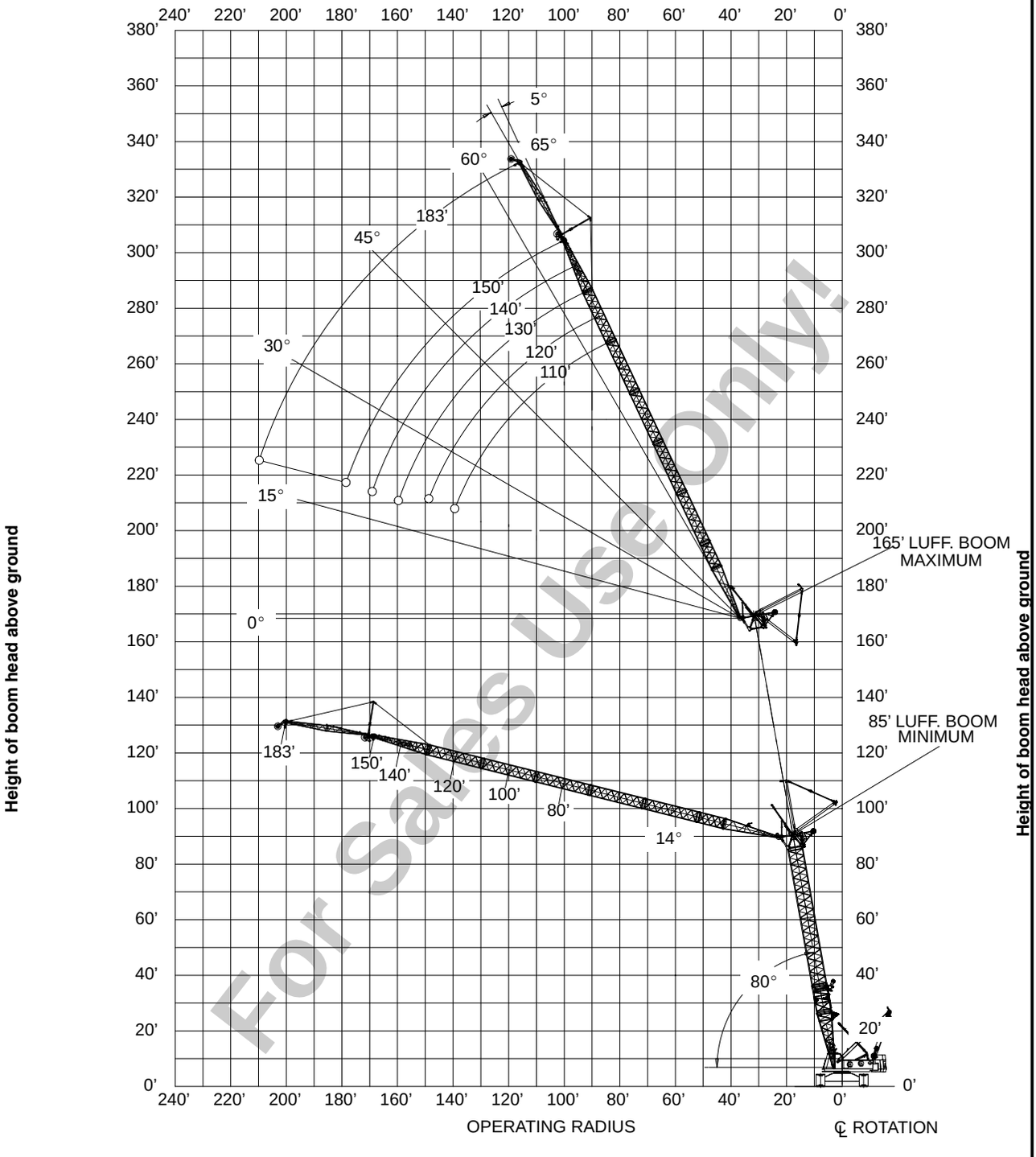
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WORKING RANGE DIAGRAM

80° LUFFING BOOM ANGLE – 360°
LUFFING JIB + FIXED JIB



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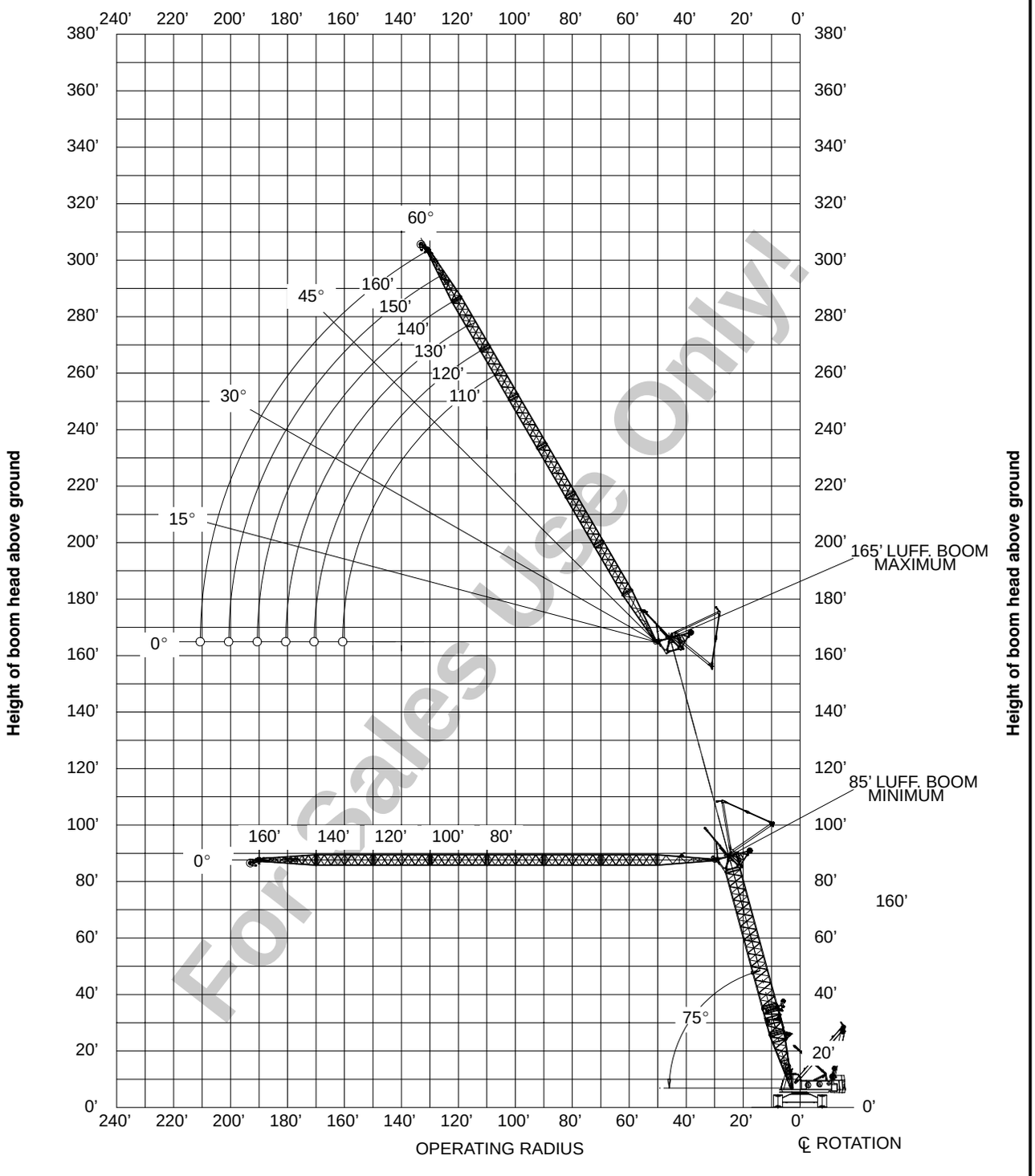
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WORKING RANGE DIAGRAM

75° LUFFING BOOM ANGLE – 360°
LUFFING JIB



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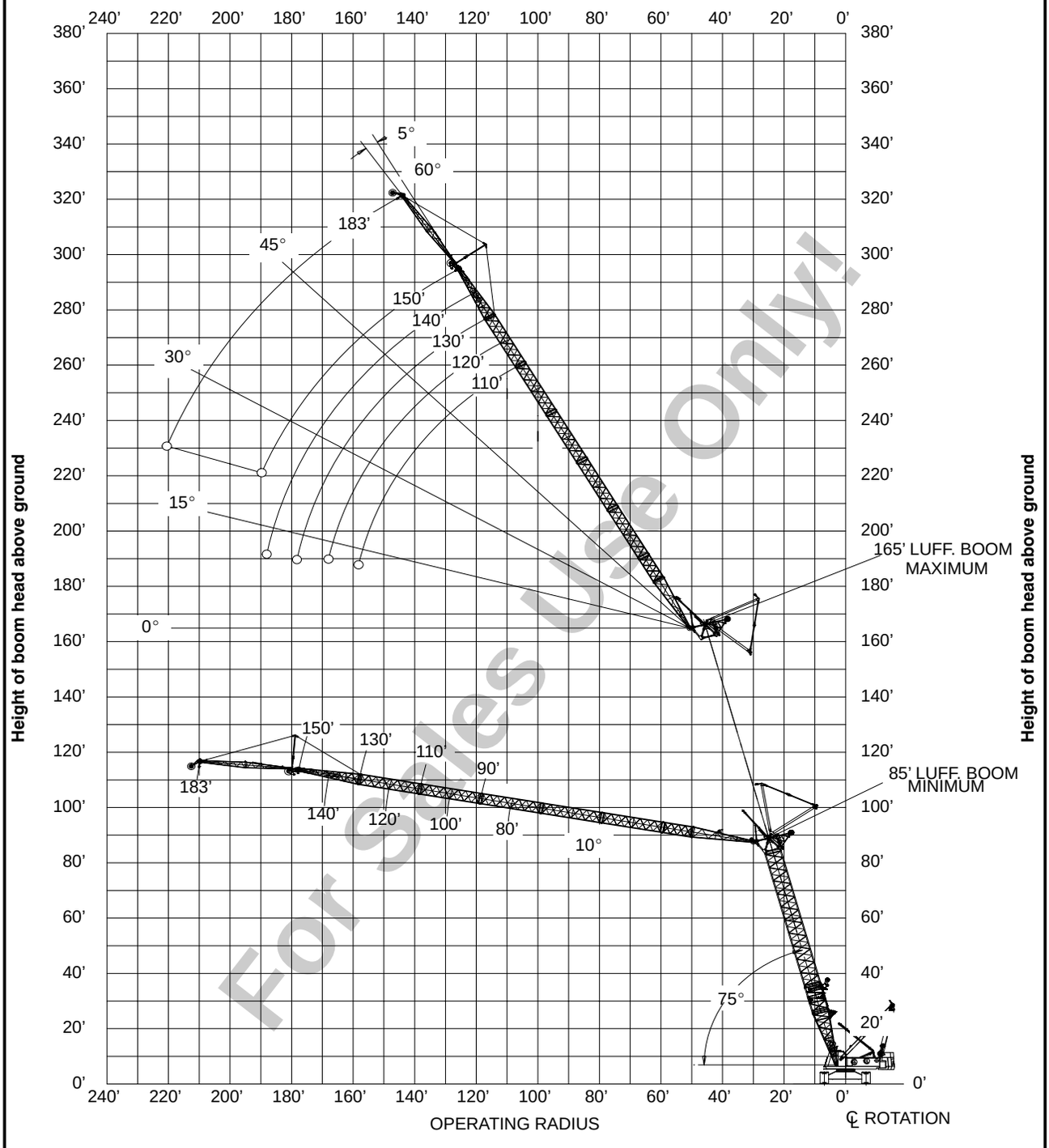
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WORKING RANGE DIAGRAM

75° LUFFING BOOM ANGLE – 360°
LUFFING JIB + FIXED JIB



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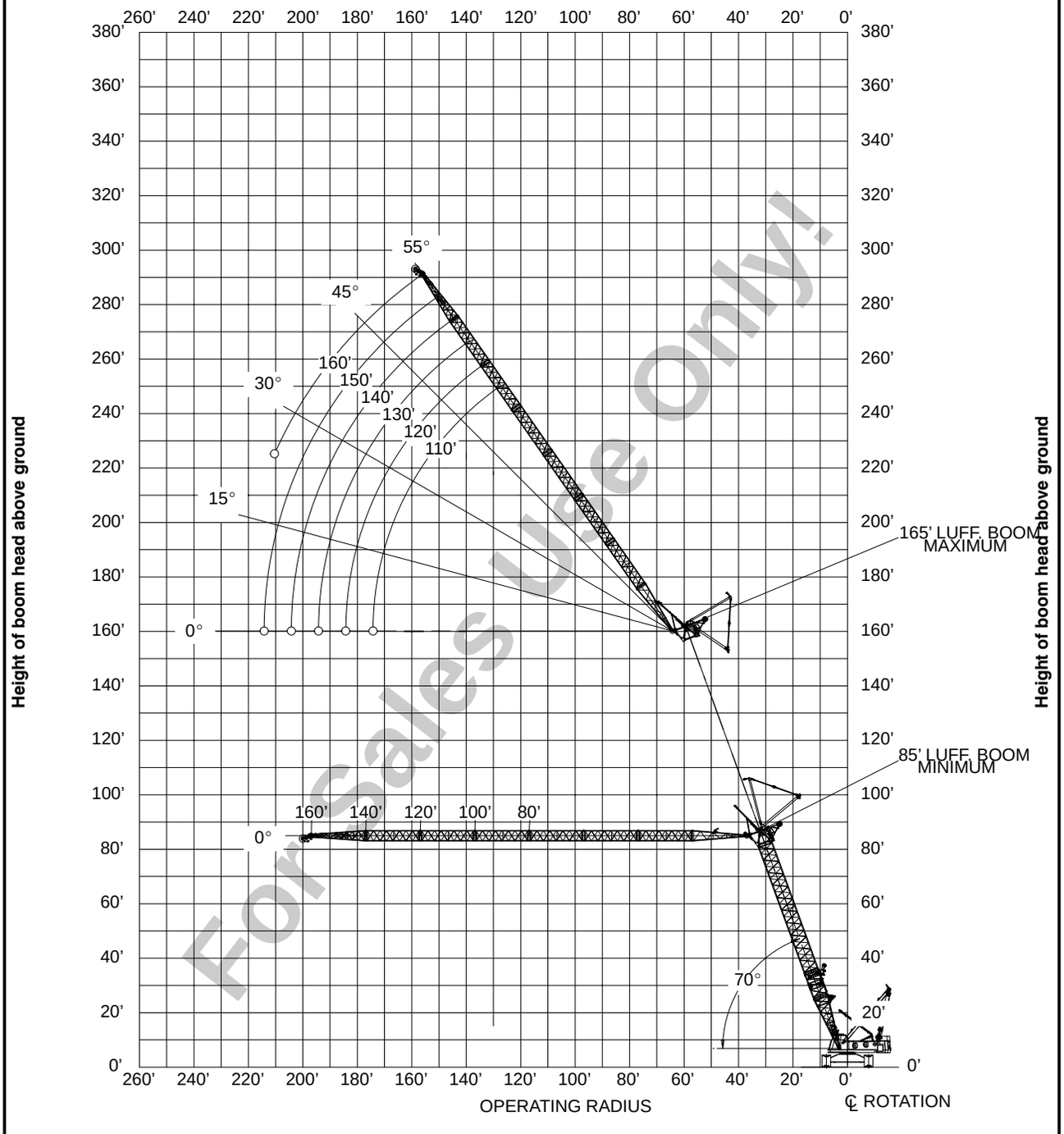
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WORKING RANGE DIAGRAM

70° LUFFING BOOM ANGLE – 360°
LUFFING JIB



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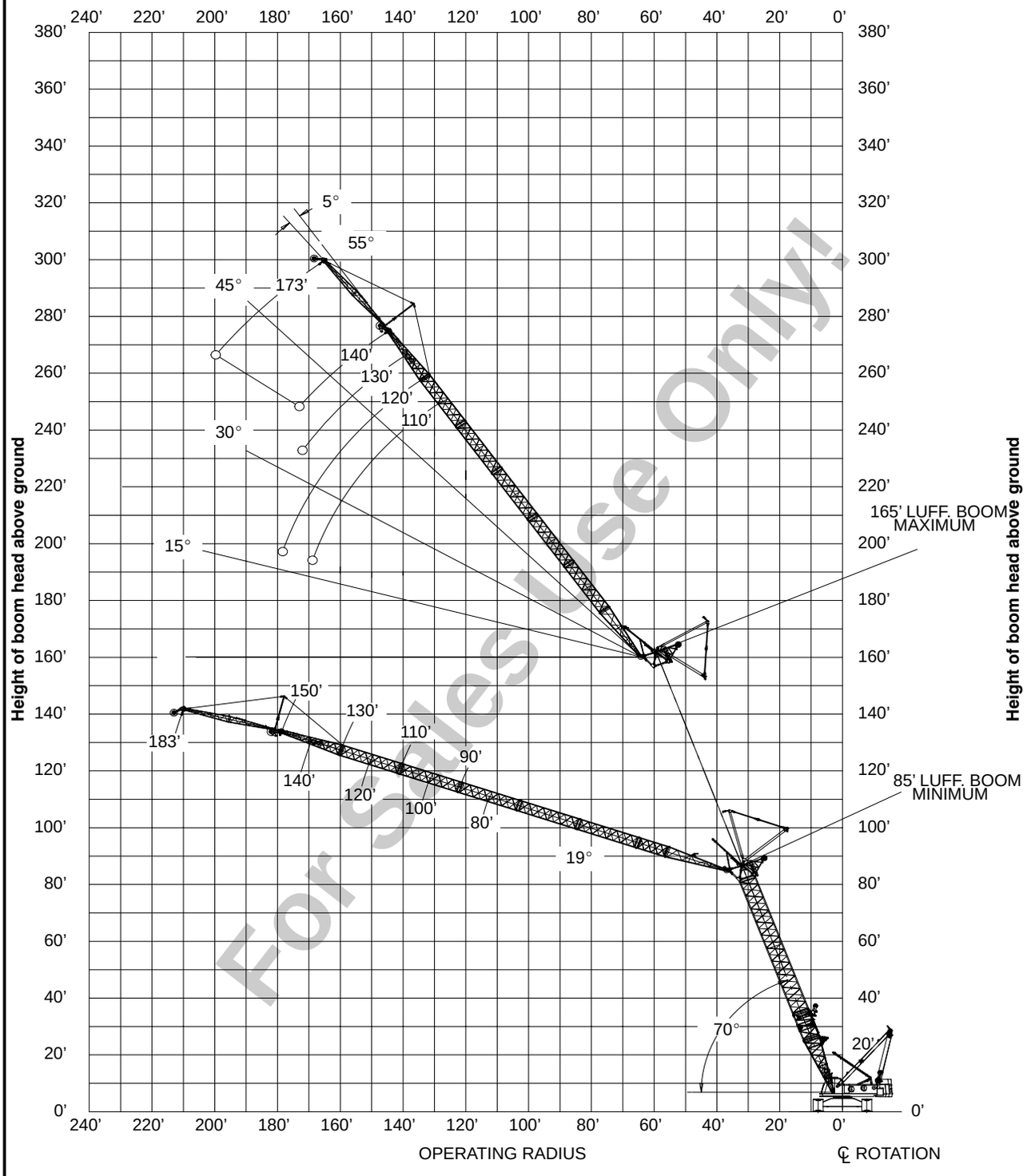
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WORKING RANGE DIAGRAM

70° LUFFING BOOM ANGLE – 360°
LUFFING JIB + FIXED JIB



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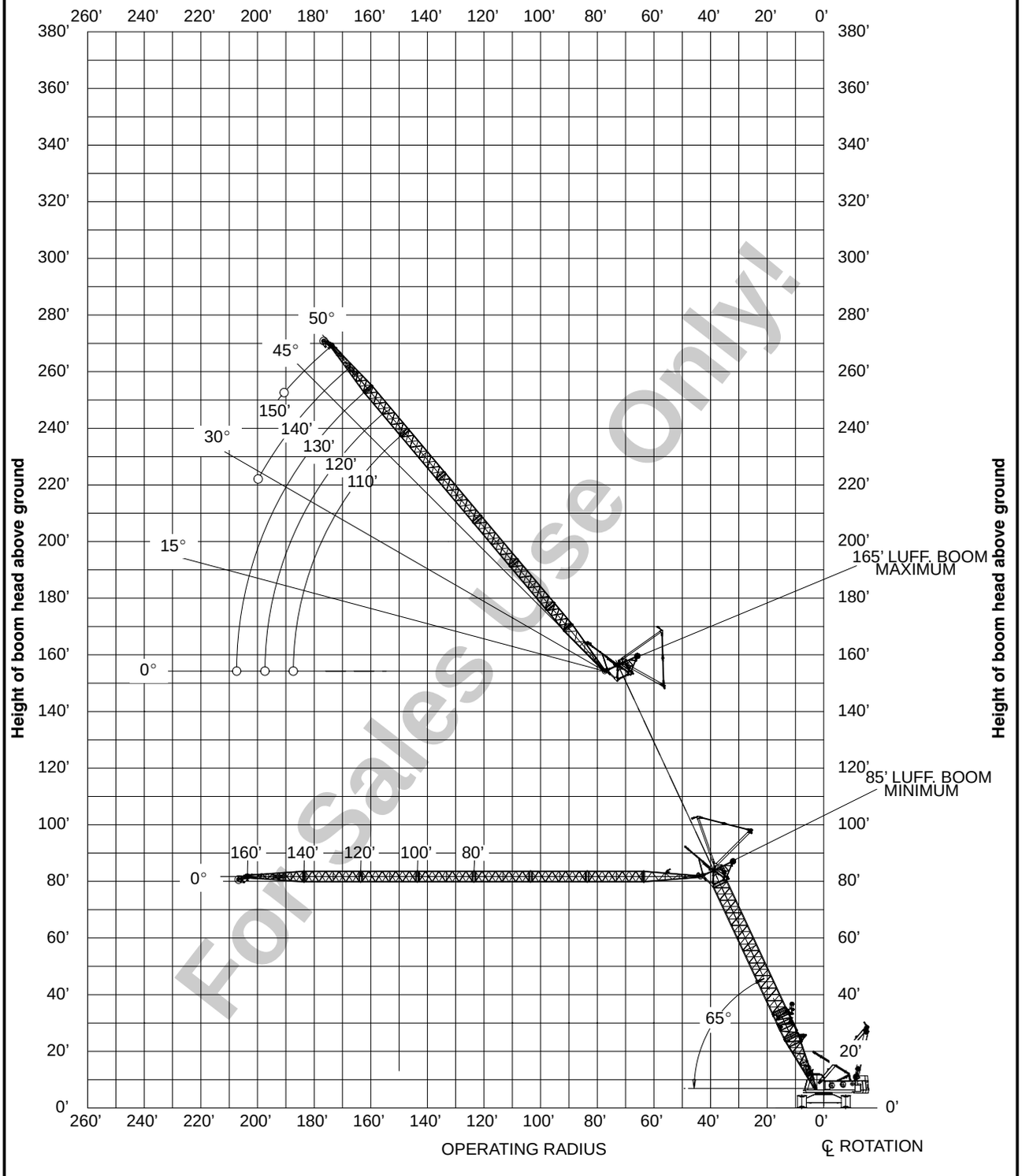
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WORKING RANGE DIAGRAM

65° LUFFING BOOM ANGLE – 360°
LUFFING JIB



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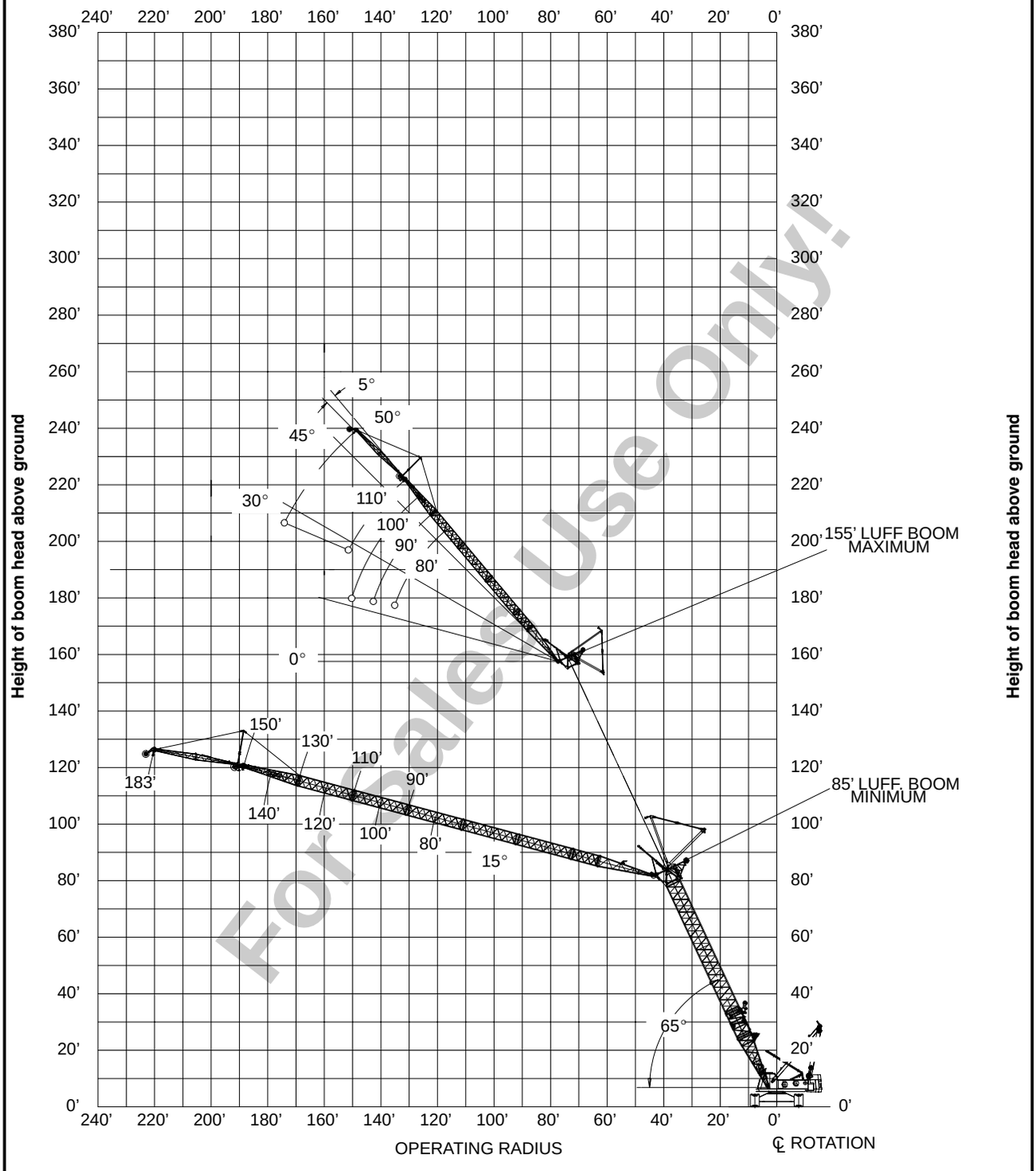
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WORKING RANGE DIAGRAM

65° LUFFING BOOM ANGLE – 360°
LUFFING JIB + FIXED JIB



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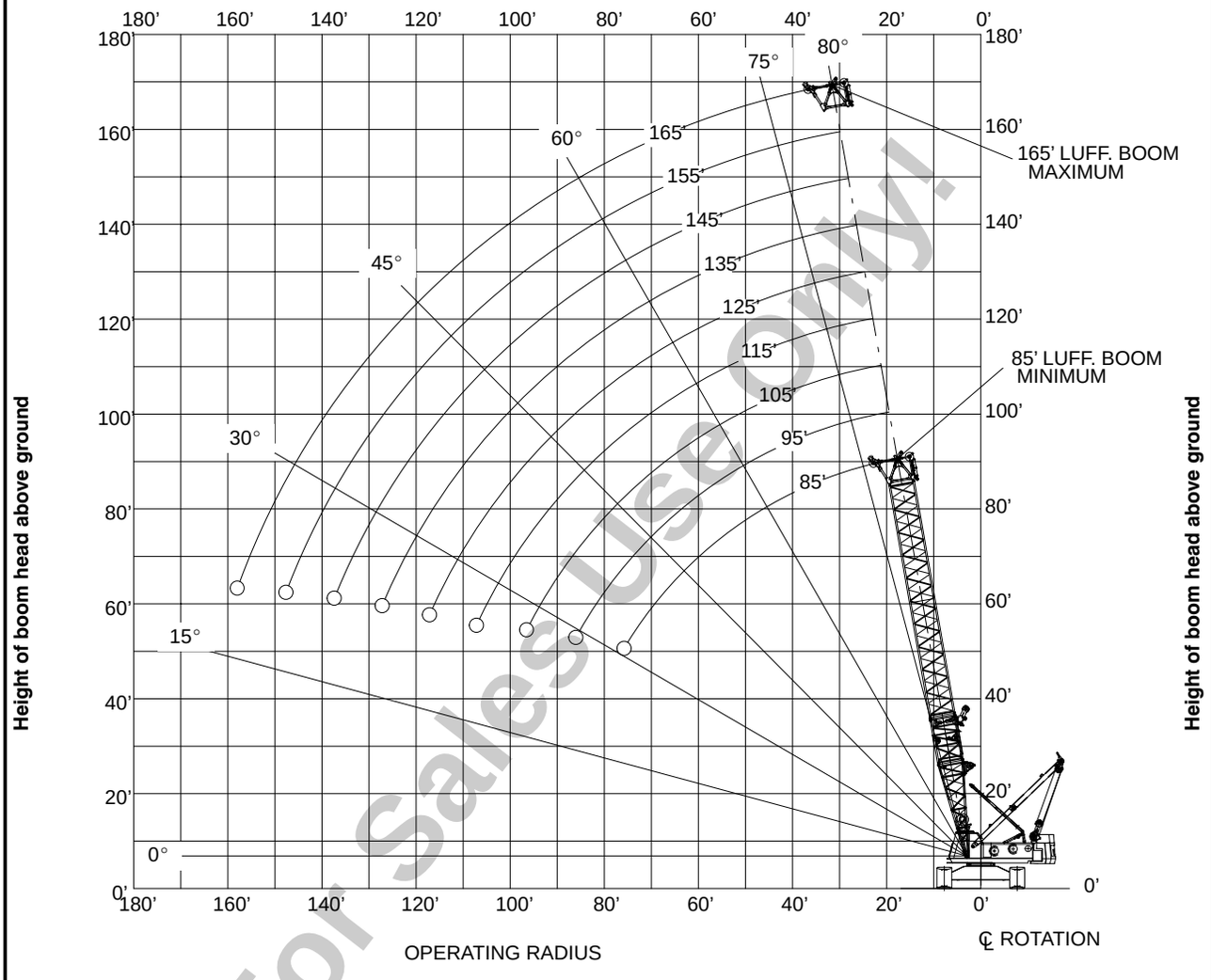
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WORKING RANGE DIAGRAM

AUXILIARY SHEAVES — 360°



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Luffing Jib Only Lengths - 360 Degree Capacities						
Luffing Boom Length	Luffing Boom Angles					
	90	85	80	75	70	65
	Allowable Luffing Jib Length					
85'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'
95'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'
105'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'
115'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'
125'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'
135'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'
145'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'
155'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'
165'	110' - 160'	110' - 160'	110' - 160'	110' - 160'	110' - 160'	110' - 150'

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
85	80	29	75.0	169.1	**54.0**	*																									29
85	80	30	74.1	168.8	**52.7**	*																									30
85	80	35	70.4	167.2	**48.3**	*																									35
85	80	40	66.5	165.2	**43.8**	*																									40
85	80	43					70.0	166.3	**47.2**	*																					43
85	80	50	58.4	160.0	**38.5**	*	64.5	163.3	**41.3**	*																					50
85	80	57									65.0	162.2	**38.9**																		57
85	80	60	49.6	152.8	**35.0**	*	56.2	157.6	**36.4**	*	62.3	160.5	**36.1**																		60
85	80	70	39.3	142.6	**32.5**		47.1	149.7	**31.1**		53.8	154.3	**29.7**		60.0	156.9	**28.4**														70
85	80	80	26.0	127.0	**26.7**	*	36.3	138.4	**26.3**		44.4	145.6	**25.1**		51.3	150.0	**23.9**														80
85	80	83																	55.0	150.5	**22.0**										83
85	80	88	0.0	91.9	**15.6**	*																									88
85	80	90					21.4	120.3	**22.6**		32.9	133.1	**21.7**		41.3	140.5	**20.7**		48.4	144.8	**19.7**										90
85	80	95					0.0	91.1	**17.8**	*													50.0	143.0	**17.5**						95
85	80	100									15.2	110.7	**19.0**		28.9	126.3	**18.1**		37.9	134.1	**17.2**		45.1	138.4	**16.3**						100
85	80	103									0.0	89.7	**18.3**																		103
85	80	110													0.0	87.7	**15.9**		23.9	117.4	**15.2**		33.8	126.3	**14.4**						110
85	80	117																	0.0	85.0	**13.9**										117
85	80	120																					17.2	105.3	**12.8**						120
85	80	124																					0.0	81.7	**12.2**						124
85	90	31	75.0	178.8	**49.3**	*																									31
85	90	35	72.6	177.8	**46.3**	*																									35
85	90	40	69.3	176.0	**42.1**	*																									40
85	90	46					70.0	175.7	**42.1**	*																					46
85	90	50	62.3	171.5	**36.5**	*	67.5	174.2	**39.7**	*																					50
85	90	60	54.8	165.4	**32.8**	*	60.4	169.3	**34.5**	*																					60
85	90	61									65.0	171.2	**35.2**																		61
85	90	70	46.6	157.2	**30.3**	*	52.7	162.7	**30.9**		58.4	166.3	**29.5**																		70
85	90	75													60.0	165.6	**25.8**														75
85	90	80	37.0	146.0	**27.3**		44.2	153.9	**26.1**		50.5	159.2	**24.9**		56.2	162.4	**23.7**														80
85	90	88																	55.0	158.7	**19.9**										88
85	90	90	24.5	129.2	**22.5**	*	34.1	141.6	**22.4**		41.7	149.6	**21.5**		48.1	154.7	**20.5**		53.8	157.6	**19.5**										90
85	90	98	0.0	91.9	**13.4**	*																									98
85	90	100					20.1	122.1	**19.7**		30.9	135.9	**18.8**		38.9	144.1	**17.9**		45.5	149.1	**17.0**										100
85	90	101																					50.0	150.7	**15.8**						101

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
85	90	105					0.0	91.1	**15.4**	*																					105
85	90	110									14.3	112.0	**16.6**		27.2	128.8	**15.8**		35.7	137.4	**14.9**		42.4	142.4	**14.1**						110
85	90	113									0.0	89.7	**16.0**																		113
85	90	120													0.0	87.7	**14.0**		22.5	119.5	**13.3**		31.9	129.2	**12.5**						120
85	90	127																	0.0	85.0	**12.2**										127
85	90	130																					16.2	106.8	**11.2**						130
85	90	134																					0.0	81.7	**10.7**						134
85	100	34	75.0	188.5	**44.4**	*																									34
85	100	35	74.4	188.2	**43.7**	*																									35
85	100	40	71.4	186.7	**40.4**	*																									40
85	100	50	65.2	182.7	**34.8**	*	70.0	185.1	**38.3**	*																					50
85	100	60	58.7	177.4	**31.0**	*	63.6	180.7	**33.1**	*																					60
85	100	65									65.0	180.3	**32.1**																		65
85	100	70	51.8	170.4	**28.3**	*	57.0	174.9	**29.4**	*	61.8	177.8	**29.2**																		70
85	100	80	44.0	161.4	**26.4**	*	49.8	167.5	**25.9**		55.1	171.7	**24.6**		60.0	174.2	**23.4**														80
85	100	90	35.0	149.3	**23.3**		41.8	157.8	**22.4**		47.8	163.7	**21.3**		53.1	167.6	**20.3**														90
85	100	94																	55.0	166.9	**18.1**										94
85	100	100	23.2	131.3	**19.8**	*	32.3	144.6	**19.5**		39.5	153.2	**18.6**		45.5	159.0	**17.6**		50.9	162.5	**16.7**										100
85	100	108	0.0	91.9	**11.6**	*																	50.0	158.3	**14.3**						108
85	100	110					19.1	123.8	**17.2**		29.3	138.6	**16.4**		36.8	147.6	**15.5**		43.0	153.2	**14.7**		48.4	156.5	**13.9**						110
85	100	115					0.0	91.1	**13.4**	*																					115
85	100	120									13.6	113.2	**14.6**		25.8	131.1	**13.8**		33.8	140.6	**13.0**		40.1	146.2	**12.3**						120
85	100	123									0.0	89.7	**14.1**																		123
85	100	130													0.0	87.7	**12.3**		21.4	121.4	**11.6**		30.2	132.0	**11.0**						130
85	100	137																	0.0	85.0	**10.8**										137
85	100	140																					15.3	108.2	**9.8**						140
85	100	144																					0.0	81.7	**9.4**						144
85	110	37	75.0	198.1	**40.8**	*																									37
85	110	40	73.2	197.1	**38.7**	*																									40
85	110	50	67.6	193.6	**33.3**	*																									50
85	110	53					70.0	194.5	**34.9**	*																					53
85	110	60	61.9	188.9	**29.4**	*	66.1	191.7	**31.7**	*																					60
85	110	69									65.0	189.4	**29.4**																		69
85	110	70	55.8	182.8	**26.6**	*	60.3	186.7	**27.9**	*	64.6	189.0	**29.0**																		70

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle 90 Degrees Jib Angle (deg)	90 Degrees Tip Height (ft)	90 Degrees Capacity (kips)		85 Degrees Jib Angle (deg)	85 Degrees Tip Height (ft)	85 Degrees Capacity (kips)		80 Degrees Jib Angle (deg)	80 Degrees Tip Height (ft)	80 Degrees Capacity (kips)	75 Degrees Jib Angle (deg)	75 Degrees Tip Height (ft)	75 Degrees Capacity (kips)	70 Degrees Jib Angle (deg)	70 Degrees Tip Height (ft)	70 Degrees Capacity (kips)	65 Degrees Jib Angle (deg)	65 Degrees Tip Height (ft)	65 Degrees Capacity (kips)	Load Radius (ft)
85	110	80	49.2	175.1	**24.6**	*	54.1	180.2	**25.4**	*	58.7	183.6	**24.4**											80
85	110	85												60.0	182.9	**21.6**								85
85	110	90	41.9	165.3	**23.1**	*	47.4	172.0	**22.2**		52.3	176.8	**21.1**	56.9	179.8	**20.0**								90
85	110	100	33.4	152.4	**20.3**		39.8	161.5	**19.4**		45.4	168.0	**18.4**	50.4	172.4	**17.4**	55.0	175.1	**16.5**					100
85	110	110	22.2	133.3	**17.0**	*	30.8	147.4	**17.0**		37.6	156.7	**16.2**	43.3	163.1	**15.3**	48.3	167.2	**14.5**					110
85	110	114																		50.0	166.0	**12.9**		114
85	110	118	0.0	91.9	**10.0**	*																		118
85	110	120					18.2	125.5	**15.2**		27.9	141.2	**14.4**	35.0	150.8	**13.6**	40.9	157.0	**12.8**	46.0	160.8	**12.1**		120
85	110	125					0.0	91.1	**11.6**	*														125
85	110	130									13.0	114.3	**12.8**	24.5	133.3	**12.1**	32.2	143.5	**11.4**	38.2	149.8	**10.7**		130
85	110	133									0.0	89.7	**12.4**											133
85	110	140												0.0	87.7	**10.9**	20.4	123.3	**10.2**	28.7	134.6	**9.6**		140
85	110	147															0.0	85.0	**9.5**					147
85	110	150																		14.6	109.5	**8.6**		150
85	110	154																		0.0	81.7	**8.3**		154
85	120	39	75.0	207.8	**37.5**	*																		39
85	120	40	74.6	207.6	**37.0**	*																		40
85	120	50	69.6	204.3	**31.9**	*																		50
85	120	57					70.0	203.9	**31.8**	*														57
85	120	60	64.4	200.1	**28.0**	*	68.2	202.5	**30.3**	*														60
85	120	70	59.0	194.7	**25.2**	*	63.0	198.0	**26.7**	*														70
85	120	73									65.0	198.4	**27.0**											73
85	120	80	53.2	188.0	**23.0**	*	57.5	192.3	**24.0**	*	61.5	195.2	**24.1**											80
85	120	90	47.0	179.6	**21.0**	*	51.6	185.2	**21.5**	*	55.9	189.1	**20.9**	60.0	191.6	**19.8**								90
85	120	100	40.0	169.1	**20.0**	*	45.2	176.3	**19.1**		50.0	181.6	**18.2**	54.3	185.1	**17.2**								100
85	120	106															55.0	183.3	**15.0**					106
85	120	110	31.9	155.3	**17.7**		38.1	165.1	**16.9**		43.4	172.1	**16.0**	48.2	177.0	**15.1**	52.5	180.1	**14.2**					110
85	120	120	21.2	135.3	**14.6**	*	29.5	150.1	**15.0**		35.9	160.1	**14.2**	41.4	166.9	**13.4**	46.2	171.5	**12.6**					120
85	120	121																		50.0	173.6	**11.7**		121
85	120	128	0.0	91.9	**8.6**	*																		128
85	120	130					17.4	127.0	**13.4**		26.7	143.6	**12.6**	33.5	153.9	**11.9**	39.1	160.7	**11.2**	43.9	165.0	**10.5**		130
85	120	135					0.0	91.1	**10.1**	*														135
85	120	140									12.4	115.5	**11.3**	23.5	135.5	**10.7**	30.8	146.3	**10.0**	36.5	153.1	**9.4**		140
85	120	143									0.0	89.7	**11.0**											143
85	120	150												0.0	87.7	**9.6**	19.5	125.0	**9.0**	27.5	137.1	**8.4**		150

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
85	120	157																	0.0	85.0	**8.4**										157
85	120	160																					14.0	110.7	**7.6**						160
85	120	164																					0.0	81.8	**7.3**						164
85	130	42	75.0	217.4	**34.3**	*																									42
85	130	50	71.2	214.9	**30.4**	*																									50
85	130	60	66.5	211.1	**26.7**	*	70.0	213.3	**28.9**	*																					60
85	130	70	61.6	206.2	**23.8**	*	65.2	209.1	**25.5**	*																					70
85	130	78									65.0	207.5	**24.8**																		78
85	130	80	56.4	200.2	**21.2**	*	60.3	204.0	**22.1**	*	63.9	206.4	**23.9**																		80
85	130	90	51.0	192.8	**19.7**	*	55.0	197.6	**20.3**	*	58.9	201.0	**20.6**																		90
85	130	95													60.0	200.2	**18.2**														95
85	130	100	45.0	183.8	**18.5**	*	49.5	189.9	**18.8**	*	53.6	194.3	**17.9**		57.4	197.1	**16.9**														100
85	130	110	38.4	172.6	**17.6**		43.4	180.4	**16.6**		47.9	186.1	**15.7**		52.0	190.1	**14.8**														110
85	130	111																	55.0	191.5	**13.7**										111
85	130	120	30.6	158.1	**15.4**	*	36.5	168.4	**14.8**		41.6	176.0	**13.9**		46.2	181.4	**13.1**		50.3	184.9	**12.3**										120
85	130	127																					50.0	181.3	**10.6**						127
85	130	130	20.4	137.1	**12.6**	*	28.3	152.7	**13.2**		34.5	163.2	**12.4**		39.7	170.6	**11.7**		44.2	175.7	**11.0**		48.3	178.8	**10.2**						130
85	130	138	0.0	91.9	**7.4**	*																									138
85	130	140					16.7	128.5	**11.9**		25.6	145.9	**11.2**		32.2	156.8	**10.5**		37.5	164.1	**9.8**		42.1	168.9	**9.1**						140
85	130	145					0.0	91.1	**8.8**	*																					145
85	130	150									11.9	116.5	**10.0**		22.6	137.5	**9.4**		29.5	149.0	**8.8**		35.0	156.4	**8.2**						150
85	130	153									0.0	89.7	**9.8**																		153
85	130	160													0.0	87.7	**8.5**		18.7	126.7	**7.9**		26.4	139.5	**7.3**						160
85	130	167																	0.0	85.0	**7.4**										167
85	130	170																					13.4	111.9	**6.6**						170
85	130	174																					0.0	81.8	**6.4**						174
85	140	44	75.0	227.1	**31.3**	*																									44
85	140	50	72.6	225.5	**28.9**	*																									50
85	140	60	68.2	221.9	**25.4**	*																									60
85	140	63					70.0	222.7	**26.3**	*																					63
85	140	70	63.8	217.5	**22.0**	*	67.1	220.1	**24.3**	*																					70
85	140	80	59.1	212.0	**20.1**	*	62.6	215.4	**21.1**	*																					80
85	140	82									65.0	216.6	**22.1**	*																	82
85	140	90	54.2	205.4	**18.5**	*	57.9	209.6	**19.2**	*	61.3	212.5	**20.3**	*																	90

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																														Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees										
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)									
85	140	100	49.0	197.5	**17.3**	*	52.9	202.7	**17.7**	*	56.5	206.5	**17.7**		60.0	208.9	**16.7**																100
85	140	110	43.3	187.9	**16.3**	*	47.6	194.4	**16.4**		51.5	199.2	**15.5**		55.1	202.5	**14.6**																110
85	140	117																	55.0	199.7	**12.5**												117
85	140	120	37.0	176.0	**15.4**		41.7	184.3	**14.6**		46.0	190.4	**13.7**		50.0	194.8	**12.9**		53.6	197.6	**12.1**												120
85	140	130	29.5	160.8	**13.3**	*	35.1	171.7	**13.0**		40.0	179.7	**12.2**		44.4	185.6	**11.5**		48.3	189.5	**10.7**												130
85	140	133																					50.0	189.0	**9.6**								133
85	140	140	19.6	138.9	**10.9**	*	27.2	155.1	**11.7**		33.2	166.3	**10.9**		38.2	174.2	**10.2**		42.6	179.7	**9.6**		46.5	183.2	**8.9**								140
85	140	148	0.0	91.9	**6.3**	*																											148
85	140	150					16.1	130.0	**10.5**		24.7	148.2	**9.8**		31.0	159.7	**9.2**		36.1	167.5	**8.6**		40.5	172.7	**7.9**								150
85	140	155					0.0	91.1	**7.5**	*																							155
85	140	160									11.5	117.5	**8.9**		21.7	139.5	**8.3**		28.4	151.6	**7.7**		33.7	159.4	**7.1**								160
85	140	163									0.0	89.7	**8.6**																				163
85	140	170													0.0	87.7	**7.5**		18.0	128.3	**6.9**		25.4	141.8	**6.4**								170
85	140	177																	0.0	85.0	**6.4**												177
85	140	180																					12.9	113.1	**5.7**								180
85	140	184																					0.0	81.8	**5.5**								184
85	150	47	75.0	236.8	**28.6**	*																											47
85	150	50	73.8	235.9	**27.4**	*																											50
85	150	60	69.8	232.6	**24.1**	*																											60
85	150	67					70.0	232.1	**23.9**	*																							67
85	150	70	65.6	228.5	**20.9**	*	68.7	230.8	**23.0**	*																							70
85	150	80	61.4	223.5	**18.9**	*	64.5	226.5	**20.1**	*																							80
85	150	86									65.0	225.6	**20.0**	*																			86
85	150	90	56.9	217.6	**17.4**	*	60.2	221.3	**18.1**	*	63.4	223.8	**19.3**	*																			90
85	150	100	52.2	210.4	**16.1**	*	55.7	215.0	**16.6**	*	59.0	218.3	**17.5**																				100
85	150	105													60.0	217.5	**15.4**																105
85	150	110	47.2	202.0	**15.1**	*	51.0	207.6	**15.4**	*	54.5	211.7	**15.3**		57.7	214.5	**14.4**																110
85	150	120	41.8	191.8	**14.3**	*	45.8	198.7	**14.4**		49.6	203.9	**13.5**		53.1	207.6	**12.7**																120
85	150	123																	55.0	207.8	**11.4**												123
85	150	130	35.7	179.3	**13.6**		40.2	188.0	**12.8**		44.4	194.6	**12.0**		48.2	199.4	**11.2**		51.6	202.6	**10.5**												130
85	150	140	28.5	163.3	**11.5**	*	33.9	174.8	**11.5**		38.6	183.3	**10.7**		42.8	189.6	**10.0**		46.6	193.9	**9.3**		50.0	196.6	**8.6**								140
85	150	150	18.9	140.6	**9.4**	*	26.3	157.5	**10.3**		32.0	169.2	**9.6**		36.8	177.6	**9.0**		41.1	183.5	**8.3**		44.8	187.4	**7.7**								150
85	150	158	0.0	91.9	**5.3**	*																											158
85	150	160					15.6	131.4	**9.3**		23.8	150.3	**8.7**		29.9	162.4	**8.1**		34.8	170.7	**7.5**		39.1	176.3	**6.9**								160
85	150	165					0.0	91.1	**6.5**	*																							165

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

| Luffing Boom Length (ft) | Luffing Jib Length (ft) | Load Radius (ft) | Luffing Boom Angle | | |

62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																																Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees													
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)											
95	80	44					70.0	176.2	**46.6**	*																									44
95	80	50	58.4	170.0	**38.2**	*	65.1	173.7	**41.5**	*																									50
95	80	58									65.0	172.0	**37.1**																						58
95	80	60	49.6	162.8	**34.8**	*	57.0	168.1	**36.4**	*	63.7	171.2	**35.8**																						60
95	80	70	39.3	152.6	**32.5**		47.9	160.4	**31.0**		55.4	165.4	**29.5**																						70
95	80	72													60.0	166.6	**26.7**																		72
95	80	80	26.0	137.0	**26.7**	*	37.3	149.6	**26.2**		46.1	157.2	**24.9**		53.6	161.7	**23.6**																		80
95	80	86																	55.0	159.9	**20.4**														86
95	80	88	0.0	101.9	**16.0**	*																													88
95	80	90					23.0	132.4	**22.5**		35.1	145.5	**21.6**		44.1	152.9	**20.4**		51.6	157.1	**19.3**																90
95	80	96					0.0	101.1	**18.2**	*																									96
95	80	99																					50.0	152.1	**16.0**										99
95	80	100									19.4	126.1	**18.8**		32.5	140.3	**17.8**		41.7	147.6	**16.8**		49.3	151.4	**15.8**										100
95	80	104									0.0	99.5	**17.7**																						104
95	80	110													14.5	117.3	**15.7**		29.4	133.6	**14.8**		38.9	141.1	**13.9**										110
95	80	112													0.0	97.3	**15.2**																		112
95	80	120																	5.0	101.3	**13.1**		25.5	125.2	**12.4**										120
95	80	128																					0.0	90.8	**11.3**										128
95	90	31	75.0	188.8	**48.5**	*																													31
95	90	35	72.6	187.8	**44.9**	*																													35
95	90	40	69.3	186.0	**41.5**	*																													40
95	90	47					70.0	185.6	**41.5**	*																									47
95	90	50	62.3	181.5	**36.2**	*	68.1	184.5	**39.8**	*																									50
95	90	60	54.8	175.4	**32.6**	*	61.0	179.8	**34.6**	*																									60
95	90	63									65.0	181.1	**33.7**																						63
95	90	70	46.6	167.2	**30.1**	*	53.4	173.3	**30.8**		59.7	177.2	**29.2**																						70
95	90	77													60.0	175.2	**24.3**																		77
95	90	80	37.0	156.0	**27.3**		45.0	164.7	**26.0**		52.0	170.4	**24.6**		58.2	173.8	**23.3**																		80
95	90	90	24.5	139.2	**22.5**	*	35.1	152.8	**22.4**		43.3	161.3	**21.3**		50.3	166.6	**20.2**																		90
95	90	92																	55.0	168.1	**18.5**														92
95	90	98	0.0	101.9	**13.8**	*																													98
95	90	100					21.7	134.3	**19.6**		33.0	148.6	**18.6**		41.4	156.9	**17.6**		48.4	161.7	**16.6**																100
95	90	106					0.0	101.1	**15.8**	*													50.0	159.7	**14.5**										106
95	90	110									18.3	127.7	**16.4**		30.6	143.1	**15.5**		39.2	151.3	**14.6**		46.3	155.8	**13.7**										110
95	90	114									0.0	99.5	**15.5**																						114

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

| Luffing Boom Length (ft) | Luffing Jib Length (ft) | Load Radius (ft) | Luffing Boom Angle | | |

62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
95	110	80	49.2	185.1	**24.3**	*	54.7	190.8	**25.3**	*	59.7	194.5	**24.1**																		80
95	110	87													60.0	192.6	**20.4**														87
95	110	90	41.9	175.3	**22.9**	*	48.0	182.8	**22.1**		53.5	187.9	**20.9**		58.5	191.1	**19.7**														90
95	110	100	33.4	162.4	**20.4**		40.5	172.5	**19.3**		46.7	179.6	**18.2**		52.2	184.2	**17.1**														100
95	110	103																	55.0	184.5	**15.3**										103
95	110	110	22.2	143.3	**17.0**	*	31.7	158.8	**17.0**		39.0	168.8	**16.0**		45.2	175.4	**15.0**		50.7	179.5	**14.1**										110
95	110	118	0.0	101.9	**10.3**	*																	50.0	175.1	**11.8**						118
95	110	120					19.6	138.0	**15.1**		29.8	154.2	**14.2**		37.3	164.0	**13.3**		43.6	170.2	**12.5**		49.0	173.8	**11.6**						120
95	110	126					0.0	101.1	**12.0**	*																					126
95	110	130									16.5	130.8	**12.7**		27.6	148.3	**11.9**		35.4	158.0	**11.1**		41.6	163.9	**10.3**						130
95	110	134									0.0	99.6	**12.1**																		134
95	110	140													12.3	120.8	**10.7**		25.0	140.8	**9.9**		33.0	150.8	**9.2**						140
95	110	142													0.0	97.3	**10.4**														142
95	110	150																	4.2	102.5	**8.9**		21.7	131.4	**8.3**						150
95	110	158																					0.0	90.8	**7.6**						158
95	120	39	75.0	217.8	**36.8**	*																									39
95	120	40	74.6	217.6	**36.3**	*																									40
95	120	50	69.6	214.3	**31.4**	*																									50
95	120	57					70.0	213.8	**31.3**	*																					57
95	120	60	64.4	210.1	**27.6**	*	68.7	212.8	**30.2**	*																					60
95	120	70	59.0	204.7	**24.9**	*	63.5	208.4	**26.7**	*																					70
95	120	75									65.0	208.3	**25.9**																		75
95	120	80	53.2	198.0	**22.3**	*	58.0	202.8	**23.9**	*	62.5	205.9	**23.9**																		80
95	120	90	47.0	189.6	**20.9**	*	52.2	195.8	**21.4**	*	56.9	200.1	**20.7**																		90
95	120	92													60.0	201.2	**18.7**														92
95	120	100	40.0	179.1	**19.9**	*	45.8	187.1	**19.1**		51.0	192.8	**18.0**		55.8	196.5	**16.9**														100
95	120	109																	55.0	192.7	**14.0**										109
95	120	110	31.9	165.3	**17.8**		38.7	176.1	**16.8**		44.6	183.8	**15.8**		49.8	188.9	**14.8**		54.5	192.1	**13.8**										110
95	120	120	21.2	145.3	**14.6**	*	30.3	161.6	**14.9**		37.3	172.2	**14.0**		43.2	179.4	**13.1**		48.4	184.1	**12.2**										120
95	120	125																					50.0	182.7	**10.7**						125
95	120	128	0.0	101.9	**8.9**	*																									128
95	120	130					18.8	139.7	**13.3**		28.5	156.8	**12.5**		35.7	167.3	**11.7**		41.6	174.1	**10.9**		46.8	178.2	**10.1**						130
95	120	136					0.0	101.1	**10.4**	*																					136
95	120	140									15.8	132.2	**11.2**		26.4	150.7	**10.5**		33.8	161.2	**9.7**		39.8	167.6	**9.0**						140
95	120	144									0.0	99.6	**10.7**																		144

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| Luffing Boom Length (ft) | Luffing Jib Length (ft) | Load Radius (ft) | Luffing Boom Angle | | |

62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																														Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees										
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)									
95	140	84									65.0	226.4	**21.7**	*																			84
95	140	90	54.2	215.4	**18.3**	*	58.3	220.1	**19.1**	*	62.1	223.3	**20.2**																				90
95	140	100	49.0	207.5	**17.1**	*	53.3	213.3	**17.6**	*	57.4	217.5	**17.5**																				100
95	140	102													60.0	218.5	**15.8**																102
95	140	110	43.3	197.9	**16.1**	*	48.0	205.2	**16.4**		52.4	210.4	**15.3**		56.4	213.9	**14.3**																110
95	140	120	37.0	186.0	**15.4**		42.3	195.2	**14.5**		47.0	201.9	**13.6**		51.3	206.6	**12.6**																120
95	140	121																	55.0	209.1	**11.6**												121
95	140	130	29.5	170.8	**13.3**	*	35.7	182.9	**12.9**		41.1	191.6	**12.1**		45.9	197.8	**11.2**		50.2	201.9	**10.4**												130
95	140	138																					50.0	198.0	**8.7**								138
95	140	140	19.6	148.9	**10.9**	*	28.0	166.8	**11.6**		34.4	178.7	**10.8**		39.9	187.0	**10.0**		44.6	192.7	**9.2**		48.8	196.1	**8.5**								140
95	140	148	0.0	101.9	**6.5**	*																											148
95	140	150					17.4	142.8	**10.5**		26.3	161.7	**9.7**		33.0	173.5	**9.0**		38.4	181.4	**8.3**		43.1	186.5	**7.6**								150
95	140	156					0.0	101.1	**7.8**	*																							156
95	140	160									14.6	134.9	**8.8**		24.4	155.2	**8.1**		31.2	167.0	**7.4**		36.7	174.5	**6.8**								160
95	140	164									0.0	99.6	**8.4**																				164
95	140	170													10.9	123.8	**7.3**		22.1	147.1	**6.7**		29.2	159.1	**6.1**								170
95	140	172													0.0	97.3	**7.1**																172
95	140	180																	3.8	103.5	**6.0**		19.2	136.8	**5.4**								180
95	140	188																					0.0	90.8	**5.0**								188
95	150	47	75.0	246.8	**28.0**	*																											47
95	150	50	73.8	245.9	**26.8**	*																											50
95	150	60	69.8	242.6	**23.6**	*																											60
95	150	68					70.0	242.0	**23.5**	*																							68
95	150	70	65.6	238.5	**20.5**	*	69.1	241.1	**22.3**	*																							70
95	150	80	61.4	233.5	**18.7**	*	64.9	236.9	**19.9**	*																							80
95	150	88									65.0	235.5	**19.7**	*																			88
95	150	90	56.9	227.6	**17.1**	*	60.6	231.7	**18.0**	*	64.1	234.5	**19.3**	*																			90
95	150	100	52.2	220.4	**15.9**	*	56.1	225.6	**16.5**	*	59.8	229.2	**17.3**																				100
95	150	107													60.0	227.2	**14.5**																107
95	150	110	47.2	212.0	**14.9**	*	51.4	218.3	**15.3**	*	55.3	222.8	**15.1**		58.9	225.7	**14.1**																110
95	150	120	41.8	201.8	**14.2**	*	46.3	209.5	**14.3**		50.5	215.2	**13.3**		54.3	219.2	**12.4**																120
95	150	126																	55.0	217.2	**10.6**												126
95	150	130	35.7	189.3	**13.6**		40.8	199.0	**12.7**		45.3	206.2	**11.8**		49.5	211.3	**11.0**		53.3	214.6	**10.1**												130
95	150	140	28.5	173.3	**11.5**	*	34.5	186.0	**11.4**		39.7	195.3	**10.6**		44.2	201.9	**9.8**		48.3	206.4	**9.0**												140
95	150	144																					50.0	205.7	**7.8**								144

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																																Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees													
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)											
95	150	150	18.9	150.6	**9.4**	*	27.0	169.2	**10.3**		33.2	181.7	**9.5**		38.5	190.6	**8.7**		43.0	196.7	**8.0**		47.0	200.6	**7.3**											150
95	150	158	0.0	101.9	**5.5**	*																														158
95	150	160					16.8	144.3	**9.3**		25.4	163.9	**8.6**		31.8	176.4	**7.9**		37.1	184.8	**7.2**		41.6	190.3	**6.5**											160
95	150	166					0.0	101.1	**6.7**	*																										166
95	150	170									14.1	136.1	**7.7**		23.6	157.3	**7.1**		30.2	169.7	**6.4**		35.4	177.8	**5.8**											170
95	150	174									0.0	99.6	**7.4**																							174
95	150	180													10.5	124.7	**6.4**		21.4	149.0	**5.8**		28.2	161.6	**5.2**											180
95	150	182													0.0	97.4	**6.2**																			182
95	150	190																	3.6	103.9	**5.2**		18.5	138.5	**4.6**											190
95	150	198																					0.0	90.8	**4.3**											198
95	160	49	75.0	256.4	**25.4**	*																														49
95	160	50	74.8	256.3	**25.3**	*																														50
95	160	60	71.1	253.2	**21.8**	*																														60
95	160	70	67.2	249.4	**19.4**	*																														70
95	160	71					70.0	251.4	**20.8**	*																										71
95	160	80	63.3	244.8	**17.6**	*	66.6	247.9	**18.9**	*																										80
95	160	90	59.2	239.3	**16.1**	*	62.6	243.1	**17.0**	*																										90
95	160	92									65.0	244.5	**17.9**	*																						92
95	160	100	55.0	232.9	**14.8**	*	58.5	237.5	**15.5**	*	61.9	240.6	**16.6**	*																						100
95	160	110	50.4	225.2	**13.8**	*	54.2	230.8	**14.3**	*	57.7	234.8	**14.9**																							110
95	160	112													60.0	235.9	**13.4**																			112
95	160	120	45.6	216.2	**13.0**	*	49.6	223.0	**13.3**	*	53.4	227.9	**13.1**		56.9	231.3	**12.1**																			120
95	160	130	40.4	205.5	**12.4**	*	44.8	213.7	**12.5**		48.8	219.9	**11.6**		52.5	224.2	**10.7**																			130
95	160	132																	55.0	225.4	**9.6**															132
95	160	140	34.5	192.5	**11.7**	*	39.4	202.6	**11.2**		43.8	210.3	**10.4**		47.8	215.8	**9.5**		51.5	219.5	**8.7**															140
95	160	150	27.5	175.8	**9.9**	*	33.4	189.1	**10.0**		38.4	198.8	**9.3**		42.8	205.9	**8.5**		46.7	210.8	**7.8**															150
95	160	151																					50.0	213.4	**7.0**											151
95	160	160	18.3	152.2	**8.1**	*	26.2	171.6	**9.1**		32.2	184.7	**8.3**		37.2	194.0	**7.6**		41.6	200.5	**6.9**		45.5	204.8	**6.3**											160
95	160	168	0.0	101.9	**4.6**	*																														168
95	160	170					16.2	145.8	**8.1**	*	24.6	166.2	**7.5**		30.8	179.2	**6.8**		35.8	188.1	**6.2**		40.2	194.0	**5.6**											170
95	160	176					0.0	101.1	**5.7**	*																										176
95	160	180									13.7	137.4	**6.8**		22.8	159.4	**6.2**		29.2	172.4	**5.5**		34.3	180.9	**5.0**											180
95	160	184									0.0	99.6	**6.5**																							184
95	160	190													10.2	125.6	**5.5**		20.7	150.9	**5.0**		27.3	164.1	**4.4**											190
95	160	192													0.0	97.4	**5.4**																			192

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

| Luffing Boom Length (ft) | Luffing Jib Length (ft) | Load Radius (ft) | Luffing Boom Angle | | |

62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

| Luffing Boom Length (ft) | Luffing Jib Length (ft) | Load Radius (ft) | Luffing Boom Angle | | |

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
105	100	150																					11.5	119.8	**8.2**		150
105	100	152																					0.0	99.9	**8.0**		152
105	110	37	75.0	218.1	**39.3**	*																					37
105	110	40	73.2	217.1	**37.4**	*																					40
105	110	50	67.6	213.6	**32.4**	*																					50
105	110	55					70.0	214.4	**33.8**	*																	55
105	110	60	61.9	208.9	**28.7**	*	67.1	212.4	**31.5**	*																	60
105	110	70	55.8	202.8	**26.0**	*	61.3	207.5	**27.8**	*																	70
105	110	73									65.0	209.1	**27.0**														73
105	110	80	49.2	195.1	**24.1**	*	55.2	201.4	**25.2**	*	60.8	205.4	**23.9**														80
105	110	90	41.9	185.3	**22.3**	*	48.6	193.5	**22.0**		54.6	199.0	**20.7**		60.0	202.2	**19.3**										90
105	110	100	33.4	172.4	**20.4**		41.2	183.5	**19.2**		47.9	191.0	**18.0**		53.9	195.8	**16.8**										100
105	110	107																	55.0	193.9	**14.2**						107
105	110	110	22.2	153.3	**16.9**	*	32.5	170.2	**16.9**		40.4	180.7	**15.8**		47.1	187.5	**14.7**		52.9	191.6	**13.7**						110
105	110	118	0.0	111.9	**10.6**	*																					118
105	110	120					20.9	150.3	**15.0**		31.6	167.0	**14.0**		39.5	176.9	**13.1**		46.1	183.0	**12.1**						120
105	110	123																					50.0	184.1	**10.8**		123
105	110	127					0.0	111.0	**12.2**	*																	127
105	110	130									19.4	146.0	**12.5**		30.4	162.6	**11.6**		38.3	172.0	**10.8**		44.8	177.4	**9.9**		130
105	110	136									0.0	109.4	**11.7**														136
105	110	140													17.5	140.1	**10.4**		28.9	157.0	**9.6**		36.9	165.9	**8.8**		140
105	110	145													0.0	107.0	**9.9**										145
105	110	150																	14.9	132.1	**8.7**		27.0	149.8	**7.9**		150
105	110	154																	0.0	103.8	**8.3**						154
105	110	160																					11.0	120.8	**7.1**		160
105	110	162																					0.0	99.9	**7.0**		162
105	120	39	75.0	227.8	**36.0**	*																					39
105	120	40	74.6	227.6	**35.6**	*																					40
105	120	50	69.6	224.3	**30.8**	*																					50
105	120	58					70.0	223.8	**30.8**	*																	58
105	120	60	64.4	220.1	**27.2**	*	69.1	223.1	**30.1**	*																	60
105	120	70	59.0	214.7	**24.5**	*	63.9	218.8	**26.5**	*																	70
105	120	77									65.0	218.1	**24.8**														77
105	120	80	53.2	208.0	**22.0**	*	58.5	213.3	**23.8**	*	63.4	216.7	**23.6**														80

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
105	120	90	47.0	199.6	**20.6**	*	52.7	206.5	**21.3**	*	57.9	211.1	**20.4**													90
105	120	95													60.0	210.9	**17.7**									95
105	120	100	40.0	189.1	**19.7**	*	46.4	197.9	**19.0**		52.1	204.1	**17.7**		57.3	207.9	**16.5**									100
105	120	110	31.9	175.3	**17.8**		39.4	187.2	**16.7**		45.8	195.3	**15.6**		51.4	200.7	**14.5**									110
105	120	112																	55.0	202.1	**13.0**					112
105	120	120	21.2	155.3	**14.6**	*	31.1	173.0	**14.8**		38.6	184.3	**13.8**		45.0	191.8	**12.8**		50.5	196.4	**11.8**					120
105	120	128	0.0	111.9	**9.1**	*																				128
105	120	129																					50.0	191.8	**9.7**	129
105	120	130					20.0	152.1	**13.3**		30.2	169.7	**12.3**		37.8	180.4	**11.4**		44.0	187.2	**10.5**		49.5	191.0	**9.6**	130
105	120	137					0.0	111.0	**10.6**	*																137
105	120	140									18.6	147.7	**11.1**		29.1	165.3	**10.2**		36.6	175.4	**9.4**		42.8	181.4	**8.6**	140
105	120	146									0.0	109.4	**10.3**													146
105	120	150													16.8	141.6	**9.2**		27.7	159.5	**8.4**		35.3	169.1	**7.7**	150
105	120	155													0.0	107.0	**8.7**									155
105	120	160																	14.3	133.4	**7.6**		25.9	152.2	**6.9**	160
105	120	164																	0.0	103.8	**7.3**					164
105	120	170																					10.5	121.7	**6.2**	170
105	120	172																					0.0	99.9	**6.0**	172
105	130	42	75.0	237.4	**32.9**	*																				42
105	130	50	71.2	234.9	**29.3**	*																				50
105	130	60	66.5	231.1	**25.8**	*																				60
105	130	62					70.0	233.2	**28.0**	*																62
105	130	70	61.6	226.2	**23.1**	*	66.1	229.8	**25.2**	*																70
105	130	80	56.4	220.2	**20.7**	*	61.1	224.9	**21.9**	*																80
105	130	81									65.0	227.2	**22.9**													81
105	130	90	51.0	212.8	**19.2**	*	56.0	218.8	**20.1**	*	60.6	222.7	**20.2**													90
105	130	100	45.0	203.8	**18.1**	*	50.5	211.3	**18.6**	*	55.5	216.4	**17.5**		60.0	219.5	**16.2**									100
105	130	110	38.4	192.6	**17.4**	*	44.5	202.1	**16.5**		49.9	208.8	**15.4**		54.8	213.2	**14.2**									110
105	130	118																	55.0	210.3	**11.8**					118
105	130	120	30.6	178.1	**15.4**	*	37.8	190.7	**14.6**		43.9	199.5	**13.6**		49.2	205.4	**12.6**		54.1	209.0	**11.6**					120
105	130	130	20.4	157.1	**12.6**	*	29.9	175.7	**13.1**		37.1	187.7	**12.1**		43.1	195.8	**11.2**		48.4	201.0	**10.3**					130
105	130	136																					50.0	199.4	**8.8**	136
105	130	138	0.0	111.9	**7.9**	*																				138
105	130	140					19.2	153.8	**11.7**		29.0	172.4	**10.9**		36.2	183.8	**10.0**		42.2	191.1	**9.1**		47.4	195.5	**8.3**	140
105	130	147					0.0	111.0	**9.2**	*																147

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

| Luffing Boom Length (ft) | Luffing Jib Length (ft) | Load Radius (ft) | Luffing Boom Angle | | |

62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
105	150	47	75.0	256.8	**27.3**	*																									47
105	150	50	73.8	255.9	**26.2**	*																									50
105	150	60	69.8	252.6	**23.1**	*																									60
105	150	69					70.0	252.0	**23.0**	*																					69
105	150	70	65.6	248.5	**20.2**	*	69.4	251.4	**22.1**	*																					70
105	150	80	61.4	243.5	**18.3**	*	65.3	247.3	**19.8**	*																					80
105	150	90	56.9	237.6	**16.9**	*	61.0	242.2	**17.9**	*	65.0	245.3	**19.4**	*																	90
105	150	100	52.2	230.4	**15.7**	*	56.5	236.1	**16.4**	*	60.6	240.0	**17.0**																		100
105	150	110	47.2	222.0	**14.7**	*	51.8	228.9	**15.2**	*	56.1	233.8	**14.9**		60.0	236.9	**13.7**														110
105	150	120	41.8	211.8	**14.0**	*	46.8	220.3	**14.2**		51.3	226.5	**13.1**		55.5	230.6	**12.1**														120
105	150	130	35.7	199.3	**13.5**	*	41.3	210.0	**12.7**		46.3	217.7	**11.7**		50.8	223.1	**10.7**		55.0	226.6	**9.8**										130
105	150	140	28.5	183.3	**11.4**	*	35.1	197.2	**11.3**		40.7	207.2	**10.4**		45.6	214.2	**9.5**		50.1	218.8	**8.6**										140
105	150	148																					50.0	214.8	**7.0**						148
105	150	150	18.9	160.6	**9.4**	*	27.7	180.9	**10.2**		34.4	194.2	**9.3**		40.0	203.4	**8.5**		44.9	209.6	**7.7**		49.2	213.4	**6.9**						150
105	150	158	0.0	111.9	**5.7**	*																									158
105	150	160					17.9	157.1	**9.2**		26.9	177.3	**8.4**		33.6	190.1	**7.6**		39.2	198.5	**6.9**		44.0	204.0	**6.1**						160
105	150	167					0.0	111.0	**6.9**	*																					167
105	150	170									16.6	152.3	**7.6**		25.9	172.6	**6.9**		32.7	184.7	**6.2**		38.1	192.5	**5.5**						170
105	150	176									0.0	109.4	**7.1**																		176
105	150	180													15.0	145.8	**6.2**		24.7	166.4	**5.5**		31.4	178.1	**4.9**						180
105	150	185													0.0	107.0	**5.9**														185
105	150	190																	12.8	137.0	**4.9**		23.1	158.7	**4.3**						190
105	150	194																	0.0	103.8	**4.7**										194
105	150	200																					9.4	124.3	**3.9**						200
105	150	202																					0.0	99.9	**3.8**						202
105	160	49	75.0	266.4	**24.8**	*																									49
105	160	50	74.8	266.3	**24.6**	*																									50
105	160	60	71.1	263.2	**21.3**	*																									60
105	160	70	67.2	259.4	**19.0**	*																									70
105	160	72					70.0	261.4	**20.4**	*																					72
105	160	80	63.3	254.8	**17.2**	*	66.9	258.2	**18.7**	*																					80
105	160	90	59.2	249.3	**15.8**	*	63.0	253.5	**16.9**	*																					90
105	160	94									65.0	254.4	**17.6**	*																	94
105	160	100	55.0	242.9	**14.6**	*	58.9	248.0	**15.3**	*	62.6	251.4	**16.5**	*																	100

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
105	160	110	50.4	235.2	**13.6**	*	54.6	241.4	**14.2**	*	58.4	245.7	**14.7**													110
105	160	115													60.0	245.5	**12.6**									115
105	160	120	45.6	226.2	**12.8**	*	50.0	233.7	**13.2**	*	54.1	239.1	**12.9**		58.0	242.6	**11.8**									120
105	160	130	40.4	215.5	**12.2**	*	45.2	224.5	**12.4**		49.6	231.2	**11.4**		53.6	235.8	**10.5**									130
105	160	135																	55.0	234.8	**8.9**					135
105	160	140	34.5	202.5	**11.7**	*	39.9	213.6	**11.1**		44.7	221.9	**10.2**		49.0	227.8	**9.3**		53.0	231.6	**8.4**					140
105	160	150	27.5	185.8	**9.8**	*	33.9	200.3	**10.0**		39.3	210.8	**9.1**		44.1	218.3	**8.3**		48.4	223.4	**7.4**					150
105	160	155																					50.0	222.4	**6.3**	155
105	160	160	18.3	162.2	**8.1**	*	26.9	183.3	**9.0**		33.3	197.2	**8.2**		38.7	207.0	**7.4**		43.4	213.7	**6.6**		47.6	217.9	**5.9**	160
105	160	168	0.0	111.9	**4.7**	*																				168
105	160	170					17.3	158.6	**8.1**		26.1	179.7	**7.4**		32.5	193.0	**6.6**		37.9	202.0	**5.9**		42.5	207.9	**5.2**	170
105	160	177					0.0	111.1	**5.9**	*																177
105	160	180									16.1	153.7	**6.7**		25.1	174.8	**6.0**		31.6	187.6	**5.3**		36.9	195.9	**4.6**	180
105	160	186									0.0	109.4	**6.2**													186
105	160	190													14.5	147.1	**5.4**		23.9	168.6	**4.7**		30.4	180.8	**4.1**	190
105	160	195													0.0	107.0	**5.1**									195
105	160	200																	12.4	138.1	**4.2**		22.3	160.7	**3.6**	200
105	160	204																	0.0	103.8	**4.0**					204
105	160	210																					9.1	125.1	**3.2**	210
105	160	212																					0.0	99.9	**3.1**	212
115	80	29	75.0	199.1	**51.2**	*																				29
115	80	30	74.1	198.8	**50.1**	*																				30
115	80	35	70.4	197.2	**46.2**	*																				35
115	80	40	66.5	195.2	**42.1**	*																				40
115	80	45					70.0	196.2	**44.5**	*																45
115	80	50	58.4	190.0	**37.3**	*	66.5	194.4	**41.5**	*																50
115	80	60	49.6	182.8	**34.1**	*	58.4	189.1	**36.3**	*																60
115	80	62									65.0	191.7	**33.8**													62
115	80	70	39.3	172.6	**32.3**	*	49.6	181.9	**30.8**		58.3	187.3	**28.8**													70
115	80	78													60.0	185.9	**23.6**									78
115	80	80	26.0	157.0	**26.6**	*	39.3	171.7	**26.0**		49.5	180.0	**24.3**		58.1	184.5	**22.7**									80
115	80	88	0.0	121.9	**16.6**	*																				88
115	80	90					26.0	156.1	**22.4**		39.2	169.8	**21.1**		49.2	177.2	**19.7**									90
115	80	93																	55.0	178.7	**17.5**					93
115	80	98					0.0	121.0	**18.9**	*																98

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																														Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees										
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)									
115	80	100									25.9	154.1	**18.4**		38.9	166.8	**17.2**		48.6	173.2	**15.9**												100
115	80	108									0.0	119.3	**16.6**										50.0	170.2	**13.3**								108
115	80	110													25.4	150.9	**15.1**		38.2	162.7	**14.0**		47.8	168.2	**12.9**								110
115	80	118													0.0	116.6	**13.7**																118
115	80	120																	24.4	146.2	**12.4**		37.2	157.2	**11.5**								120
115	80	127																	0.0	113.2	**11.4**												127
115	80	130																					22.8	139.9	**10.2**								130
115	80	136																					0.0	108.9	**9.5**								136
115	90	31	75.0	208.8	**46.7**	*																											31
115	90	35	72.6	207.8	**43.3**	*																											35
115	90	40	69.3	206.0	**40.3**	*																											40
115	90	49					70.0	205.6	**40.3**	*																							49
115	90	50	62.3	201.5	**35.2**	*	69.3	205.1	**39.6**	*																							50
115	90	60	54.8	195.4	**31.8**	*	62.3	200.6	**34.5**	*																							60
115	90	66									65.0	200.8	**30.8**																				66
115	90	70	46.6	187.2	**29.5**	*	54.8	194.5	**30.5**		62.2	198.8	**28.6**																				70
115	90	80	37.0	176.0	**27.4**		46.6	186.3	**25.8**		54.7	192.7	**24.1**																				80
115	90	83													60.0	194.6	**21.7**																83
115	90	90	24.5	159.2	**22.4**	*	37.0	175.1	**22.3**		46.5	184.5	**20.9**		54.5	189.9	**19.4**																90
115	90	98	0.0	121.9	**14.3**	*																											98
115	90	99																	55.0	186.9	**15.9**												99
115	90	100					24.5	158.3	**19.5**		36.9	173.2	**18.2**		46.2	181.6	**16.9**		54.0	186.0	**15.7**												100
115	90	108					0.0	121.0	**16.3**	*																							108
115	90	110									24.4	156.3	**16.0**		36.6	170.2	**14.9**		45.7	177.6	**13.8**												110
115	90	114																					50.0	177.9	**12.0**								114
115	90	118									0.0	119.3	**14.5**																				118
115	90	120													23.9	153.1	**13.2**		35.9	166.0	**12.2**		44.9	172.4	**11.2**								120
115	90	128													0.0	116.6	**12.1**																128
115	90	130																	23.0	148.3	**10.9**		35.0	160.5	**10.0**								130
115	90	137																	0.0	113.2	**10.0**												137
115	90	140																					21.5	141.8	**8.9**								140
115	90	146																					0.0	108.9	**8.3**								146
115	100	34	75.0	218.5	**42.0**	*																											34
115	100	35	74.4	218.2	**41.4**	*																											35

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
115	100	40	71.4	216.7	**38.4**	*																				40
115	100	50	65.2	212.7	**33.4**	*																				50
115	100	52					70.0	215.0	**36.6**	*																52
115	100	60	58.7	207.4	**29.9**	*	65.2	211.8	**32.9**	*																60
115	100	70	51.8	200.4	**27.4**	*	58.7	206.5	**29.2**	*	65.0	209.9	**28.2**													70
115	100	80	44.0	191.4	**25.6**	*	51.8	199.5	**25.5**		58.7	204.6	**23.8**													80
115	100	88													60.0	203.2	**19.8**									88
115	100	90	35.0	179.3	**23.4**		44.0	190.5	**22.1**		51.7	197.7	**20.7**		58.5	201.9	**19.2**									90
115	100	100	23.2	161.3	**19.7**	*	35.0	178.4	**19.3**		44.0	188.6	**18.0**		51.5	194.8	**16.7**									100
115	100	104																	55.0	195.1	**14.5**					104
115	100	108	0.0	121.9	**12.4**	*																				108
115	100	110					23.3	160.5	**17.0**		34.9	176.5	**15.8**		43.7	185.7	**14.7**		51.1	190.9	**13.5**					110
115	100	118					0.0	121.0	**14.2**	*																118
115	100	120									23.1	158.4	**14.1**		34.6	173.4	**13.0**		43.2	181.7	**12.0**		50.0	185.5	**10.9**	120
115	100	128									0.0	119.3	**12.8**													128
115	100	130													22.6	155.1	**11.6**		34.0	169.2	**10.7**		42.5	176.4	**9.7**	130
115	100	138													0.0	116.6	**10.6**									138
115	100	140																	21.8	150.3	**9.5**		33.1	163.5	**8.7**	140
115	100	147																	0.0	113.2	**8.8**					147
115	100	150																					20.3	143.7	**7.8**	150
115	100	156																					0.0	108.9	**7.3**	156
115	110	37	75.0	228.1	**38.5**	*																				37
115	110	40	73.2	227.1	**36.6**	*																				40
115	110	50	67.6	223.6	**31.8**	*																				50
115	110	56					70.0	224.3	**33.2**	*																56
115	110	60	61.9	218.9	**28.2**	*	67.6	222.7	**31.4**	*																60
115	110	70	55.8	212.8	**25.6**	*	61.9	218.0	**27.7**	*																70
115	110	74									65.0	218.9	**25.9**													74
115	110	80	49.2	205.1	**23.7**	*	55.8	211.9	**25.0**	*	61.8	216.2	**23.6**													80
115	110	90	41.9	195.3	**22.0**	*	49.2	204.3	**21.9**		55.7	210.1	**20.4**													90
115	110	93													60.0	211.9	**18.2**									93
115	110	100	33.4	182.4	**20.5**		41.9	194.4	**19.1**		49.1	202.4	**17.8**		55.5	207.3	**16.4**									100
115	110	110	22.2	163.3	**16.9**	*	33.4	181.5	**16.8**		41.8	192.6	**15.6**		48.9	199.5	**14.4**		55.0	203.3	**13.2**					110
115	110	118	0.0	121.9	**10.8**	*																				118
115	110	120					22.2	162.5	**15.0**		33.3	179.5	**13.9**		41.6	189.6	**12.8**		48.5	195.6	**11.7**					120

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

| Luffing Boom Length (ft) | Luffing Jib Length (ft) | Load Radius (ft) | Luffing Boom Angle | | |

62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																													Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees									
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)							
115	120	176																					0.0	108.9	**5.5**						176
115	130	42	75.0	247.4	**32.1**	*																									42
115	130	50	71.2	244.9	**28.7**	*																									50
115	130	60	66.5	241.1	**25.3**	*																									60
115	130	63					70.0	243.1	**27.4**	*																					63
115	130	70	61.6	236.2	**22.2**	*	66.5	240.2	**25.0**	*																					70
115	130	80	56.4	230.2	**20.4**	*	61.6	235.3	**21.8**	*																					80
115	130	83									65.0	237.0	**22.2**																		83
115	130	90	51.0	222.8	**18.9**	*	56.4	229.3	**19.9**	*	61.5	233.5	**19.9**																		90
115	130	100	45.0	213.8	**17.8**	*	51.0	222.0	**18.4**	*	56.4	227.5	**17.3**																		100
115	130	103													60.0	229.2	**15.3**														103
115	130	110	38.4	202.6	**17.1**	*	45.0	213.0	**16.4**		50.9	220.1	**15.2**		56.2	224.7	**13.9**														110
115	130	120	30.6	188.1	**15.4**	*	38.4	201.7	**14.6**		45.0	211.1	**13.4**		50.7	217.3	**12.3**														120
115	130	122																	55.0	219.7	**10.9**										122
115	130	130	20.4	167.1	**12.6**	*	30.6	187.2	**13.0**		38.3	199.8	**11.9**		44.8	208.2	**10.9**		50.4	213.3	**9.9**										130
115	130	138	0.0	121.9	**8.0**	*																									138
115	130	140					20.4	166.2	**11.7**		30.5	185.2	**10.7**		38.1	196.8	**9.7**		44.4	204.1	**8.8**		50.0	208.5	**7.9**						140
115	130	148					0.0	121.0	**9.4**	*																					148
115	130	150									20.2	164.2	**9.6**		30.3	182.1	**8.7**		37.7	192.7	**7.9**		43.8	199.0	**7.0**						150
115	130	158									0.0	119.3	**8.9**																		158
115	130	160													19.8	160.7	**7.9**		29.8	177.7	**7.1**		37.0	187.2	**6.3**						160
115	130	168													0.0	116.6	**7.3**														168
115	130	170																	19.1	155.7	**6.3**		28.9	171.8	**5.6**						170
115	130	177																	0.0	113.2	**5.9**										177
115	130	180																					17.8	148.7	**5.0**						180
115	130	186																					0.0	108.9	**4.7**						186
115	140	44	75.0	257.1	**29.2**	*																									44
115	140	50	72.6	255.5	**27.1**	*																									50
115	140	60	68.2	251.9	**23.9**	*																									60
115	140	66					70.0	252.5	**24.8**	*																					66
115	140	70	63.8	247.5	**20.9**	*	68.3	251.0	**23.7**	*																					70
115	140	80	59.1	242.0	**19.1**	*	63.8	246.6	**20.7**	*																					80
115	140	87									65.0	246.1	**20.5**																		87
115	140	90	54.2	235.4	**17.7**	*	59.1	241.1	**18.7**	*	63.7	244.8	**19.7**																		90

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
115	140	100	49.0	227.5	**16.5**	*	54.2	234.5	**17.3**	*	59.1	239.3	**17.0**													100
115	140	108													60.0	237.9	**14.1**									108
115	140	110	43.3	217.9	**15.7**	*	49.0	226.6	**16.1**	*	54.2	232.7	**14.9**		58.9	236.5	**13.7**									110
115	140	120	37.0	206.0	**15.1**	*	43.3	217.0	**14.3**		48.9	224.8	**13.2**		54.0	229.9	**12.0**									120
115	140	127																	55.0	227.8	**9.9**					127
115	140	130	29.5	190.8	**13.3**	*	37.0	205.1	**12.8**		43.2	215.1	**11.7**		48.8	221.9	**10.7**		53.7	226.0	**9.6**					130
115	140	140	19.6	168.9	**10.9**	*	29.5	189.9	**11.5**		36.9	203.2	**10.5**		43.1	212.2	**9.5**		48.4	217.9	**8.5**					140
115	140	146																					50.0	216.2	**7.1**	146
115	140	148	0.0	121.9	**6.9**	*																				148
115	140	150					19.6	168.0	**10.3**		29.4	187.9	**9.4**		36.7	200.2	**8.5**		42.7	208.1	**7.6**		48.0	212.9	**6.8**	150
115	140	158					0.0	121.0	**8.2**	*																158
115	140	160									19.5	165.9	**8.5**		29.1	184.8	**7.6**		36.3	196.0	**6.8**		42.2	202.9	**6.0**	160
115	140	168									0.0	119.3	**7.8**													168
115	140	170													19.1	162.4	**6.9**		28.6	180.3	**6.1**		35.6	190.5	**5.4**	170
115	140	178													0.0	116.7	**6.3**									178
115	140	180																	18.4	157.3	**5.5**		27.9	174.4	**4.8**	180
115	140	187																	0.0	113.2	**5.1**					187
115	140	190																					17.2	150.2	**4.3**	190
115	140	196																					0.0	108.9	**3.9**	196
115	150	47	75.0	266.8	**26.6**	*																				47
115	150	50	73.8	265.9	**25.6**	*																				50
115	150	60	69.8	262.6	**22.1**	*																				60
115	150	69					70.0	261.9	**22.0**	*																69
115	150	70	65.6	258.5	**19.7**	*	69.8	261.7	**21.8**	*																70
115	150	80	61.4	253.5	**18.0**	*	65.6	257.6	**19.6**	*																80
115	150	90	56.9	247.6	**16.5**	*	61.4	252.6	**17.7**	*																90
115	150	91									65.0	255.2	**19.0**													91
115	150	100	52.2	240.4	**15.4**	*	56.9	246.7	**16.2**	*	61.3	250.8	**16.8**													100
115	150	110	47.2	232.0	**14.4**	*	52.2	239.6	**15.0**	*	56.9	244.8	**14.7**													110
115	150	113													60.0	246.5	**12.9**									113
115	150	120	41.8	221.8	**13.7**	*	47.2	231.1	**14.1**	*	52.2	237.7	**12.9**		56.7	242.0	**11.8**									120
115	150	130	35.7	209.3	**13.3**	*	41.8	220.9	**12.6**		47.2	229.2	**11.5**		52.0	234.9	**10.4**									130
115	150	133																	55.0	236.0	**9.0**					133
115	150	140	28.5	193.3	**11.4**	*	35.7	208.4	**11.3**		41.7	219.0	**10.3**		47.0	226.3	**9.3**		51.8	231.0	**8.3**					140
115	150	150	18.9	170.6	**9.4**	*	28.5	192.5	**10.1**		35.6	206.5	**9.2**		41.5	216.1	**8.3**		46.7	222.3	**7.4**					150

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

| Luffing Boom Length (ft) | Luffing Jib Length (ft) | Load Radius (ft) | Luffing Boom Angle | | |

62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle: 90 Degrees Jib Angle (deg)	90 Degrees Tip Height (ft)	90 Degrees Capacity (kips)		85 Degrees Jib Angle (deg)	85 Degrees Tip Height (ft)	85 Degrees Capacity (kips)		80 Degrees Jib Angle (deg)	80 Degrees Tip Height (ft)	80 Degrees Capacity (kips)		75 Degrees Jib Angle (deg)	75 Degrees Tip Height (ft)	75 Degrees Capacity (kips)		70 Degrees Jib Angle (deg)	70 Degrees Tip Height (ft)	70 Degrees Capacity (kips)		65 Degrees Jib Angle (deg)	65 Degrees Tip Height (ft)	65 Degrees Capacity (kips)		Load Radius (ft)
115	160	190													17.9	165.7	**5.2**		26.8	185.2	**4.5**		33.3	196.7	**3.8**		190
115	160	198													0.0	116.7	**4.8**										198
115	160	200																	17.2	160.4	**4.0**		26.0	179.1	**3.3**		200
115	160	207																	0.0	113.2	**3.6**						207
115	160	210																					16.0	153.1	**2.9**		210
115	160	216																					0.0	108.9	**2.7**		216
125	80	29	75.0	209.1	**50.1**	*																					29
125	80	30	74.1	208.8	**49.1**	*																					30
125	80	35	70.4	207.2	**44.5**	*																					35
125	80	40	66.5	205.2	**41.4**	*																					40
125	80	46					70.0	206.1	**43.7**	*																	46
125	80	50	58.4	200.0	**36.7**	*	67.2	204.7	**41.3**	*																	50
125	80	60	49.6	192.8	**33.6**	*	59.2	199.6	**36.1**	*																	60
125	80	64									65.0	201.6	**32.2**														64
125	80	70	39.3	182.6	**31.9**	*	50.4	192.6	**30.6**		59.8	198.2	**28.5**														70
125	80	80	26.0	167.0	**26.6**	*	40.3	182.7	**25.9**		51.1	191.3	**24.1**		60.0	195.6	**22.4**										80
125	80	88	0.0	131.9	**16.8**	*																					88
125	80	90					27.4	167.8	**22.4**		41.1	181.7	**20.9**		51.6	189.0	**19.3**										90
125	80	96																	55.0	188.1	**16.2**						96
125	80	99					0.0	131.0	**19.1**	*																	99
125	80	100									28.6	167.3	**18.2**		41.7	179.5	**16.8**		51.8	185.5	**15.5**						100
125	80	110									0.0	129.1	**16.0**		29.4	165.5	**14.8**		42.0	176.1	**13.6**						110
125	80	112																					50.0	179.3	**12.1**		112
125	80	120													4.9	133.1	**13.1**		29.8	162.3	**12.1**		41.9	171.4	**11.0**		120
125	80	130																	6.8	132.0	**10.7**		29.6	157.5	**9.8**		130
125	80	131																	0.0	122.6	**10.6**						131
125	80	140																					6.2	126.6	**8.7**		140
125	90	31	75.0	218.8	**45.6**	*																					31
125	90	35	72.6	217.8	**42.5**	*																					35
125	90	40	69.3	216.0	**39.5**	*																					40
125	90	50	62.3	211.5	**34.6**	*	70.0	215.5	**39.6**	*																	50
125	90	60	54.8	205.4	**31.3**	*	62.9	211.1	**34.3**	*																	60
125	90	68									65.0	210.6	**29.4**														68
125	90	70	46.6	197.2	**29.0**	*	55.5	205.1	**30.4**		63.4	209.6	**28.2**														70

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
125	90	80	37.0	186.0	**27.5**		47.3	197.1	**25.6**		56.1	203.7	**23.8**													80
125	90	85													60.0	204.2	**20.4**									85
125	90	90	24.5	169.2	**22.4**	*	37.9	186.2	**22.2**		48.0	195.9	**20.6**		56.5	201.3	**19.0**									90
125	90	98	0.0	131.9	**14.5**	*																				98
125	90	100					25.8	170.2	**19.4**		38.7	185.3	**18.0**		48.4	193.6	**16.6**									100
125	90	102																	55.0	196.3	**14.7**					102
125	90	109					0.0	131.0	**16.5**	*																109
125	90	110									26.9	169.8	**15.8**		39.2	183.2	**14.6**		48.7	190.1	**13.3**					110
125	90	118																					50.0	186.9	**10.9**	118
125	90	120									0.0	129.1	**14.1**		27.7	168.1	**12.9**		39.5	179.8	**11.8**		48.6	185.5	**10.7**	120
125	90	130													4.6	133.6	**11.5**		28.0	164.9	**10.5**		39.4	175.1	**9.5**	130
125	90	140																	6.4	132.6	**9.4**		27.9	160.1	**8.5**	140
125	90	141																	0.0	122.6	**9.3**					141
125	90	150																					5.8	127.1	**7.6**	150
125	100	34	75.0	228.5	**41.0**	*																				34
125	100	35	74.4	228.2	**40.4**	*																				35
125	100	40	71.4	226.7	**37.7**	*																				40
125	100	50	65.2	222.7	**32.8**	*																				50
125	100	53					70.0	224.9	**35.9**	*																53
125	100	60	58.7	217.4	**29.4**	*	65.8	222.1	**32.7**	*																60
125	100	70	51.8	210.4	**26.9**	*	59.3	217.0	**29.0**	*																70
125	100	72									65.0	219.7	**27.0**													72
125	100	80	44.0	201.4	**25.2**	*	52.4	210.2	**25.4**		59.8	215.5	**23.5**													80
125	100	90	35.0	189.3	**23.5**		44.8	201.4	**22.0**		52.9	208.9	**20.4**		60.0	212.9	**18.7**									90
125	100	100	23.2	171.3	**19.7**	*	35.9	189.6	**19.2**		45.4	200.2	**17.8**		53.3	206.5	**16.3**									100
125	100	108	0.0	131.9	**12.6**	*													55.0	204.5	**13.4**					108
125	100	110					24.5	172.4	**16.9**		36.6	188.7	**15.6**		45.8	198.0	**14.3**		53.5	203.0	**13.1**					110
125	100	119					0.0	131.0	**14.4**	*																119
125	100	120									25.5	172.1	**13.9**		37.2	186.7	**12.7**		46.0	194.5	**11.5**					120
125	100	125																					50.0	194.6	**9.8**	125
125	100	130									0.0	129.1	**12.4**		26.2	170.5	**11.3**		37.4	183.3	**10.3**		45.9	189.8	**9.2**	130
125	100	140													4.4	134.0	**10.1**		26.6	167.3	**9.2**		37.3	178.6	**8.2**	140
125	100	150																	6.1	133.1	**8.2**		26.4	162.5	**7.4**	150
125	100	151																	0.0	122.6	**8.2**					151
125	100	160																					5.5	127.6	**6.6**	160

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																														Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees										
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)									
125	110	37	75.0	238.1	**37.5**	*																											37
125	110	40	73.2	237.1	**35.8**	*																											40
125	110	50	67.6	233.6	**31.1**	*																											50
125	110	57					70.0	234.3	**32.5**	*																							57
125	110	60	61.9	228.9	**27.7**	*	68.1	233.0	**31.1**	*																							60
125	110	70	55.8	222.8	**25.2**	*	62.4	228.4	**27.5**	*																							70
125	110	76									65.0	228.8	**24.8**																				76
125	110	80	49.2	215.1	**23.3**	*	56.3	222.5	**24.8**	*	62.8	226.9	**23.3**																				80
125	110	90	41.9	205.3	**21.7**	*	49.8	215.0	**21.8**		56.8	221.1	**20.2**																				90
125	110	95													60.0	221.5	**17.1**																95
125	110	100	33.4	192.4	**20.5**		42.6	205.4	**19.0**		50.3	213.7	**17.5**		57.1	218.7	**16.1**																100
125	110	110	22.2	173.3	**16.9**	*	34.2	192.7	**16.7**		43.1	204.3	**15.4**		50.7	211.4	**14.1**																110
125	110	114																	55.0	212.7	**12.2**												114
125	110	118	0.0	131.9	**10.9**	*																											118
125	110	120					23.3	174.5	**14.9**		34.9	192.0	**13.7**		43.6	202.1	**12.5**		50.9	207.9	**11.3**												120
125	110	129					0.0	131.0	**12.6**	*																							129
125	110	130									24.3	174.3	**12.2**		35.4	189.9	**11.1**		43.8	198.7	**10.0**												130
125	110	131																					50.0	202.2	**8.8**								131
125	110	140									0.0	129.1	**11.0**		25.0	172.7	**9.9**		35.6	186.6	**8.9**		43.7	194.0	**8.0**								140
125	110	150													4.2	134.3	**8.9**		25.3	169.6	**8.0**		35.5	181.9	**7.1**								150
125	110	160																	5.8	133.7	**7.2**		25.2	164.8	**6.4**								160
125	110	161																	0.0	122.6	**7.1**												161
125	110	170																					5.3	128.1	**5.7**								170
125	120	39	75.0	247.8	**34.3**	*																											39
125	120	40	74.6	247.6	**33.9**	*																											40
125	120	50	69.6	244.3	**29.6**	*																											50
125	120	60	64.4	240.1	**26.1**	*	70.0	243.7	**29.5**	*																							60
125	120	70	59.0	234.7	**23.7**	*	64.8	239.6	**26.1**	*																							70
125	120	80	53.2	228.0	**21.3**	*	59.4	234.3	**23.4**	*	65.0	237.8	**22.8**																				80
125	120	90	47.0	219.6	**20.0**	*	53.7	227.7	**20.9**	*	59.9	232.9	**19.9**																				90
125	120	100	40.0	209.1	**19.1**	*	47.5	219.5	**18.8**		54.2	226.4	**17.3**		60.0	230.2	**15.7**																100
125	120	110	31.9	195.3	**17.9**		40.7	209.2	**16.5**		48.0	218.3	**15.2**		54.5	224.0	**13.8**																110
125	120	119																	55.0	220.9	**11.1**												119
125	120	120	21.2	175.3	**14.6**	*	32.7	195.7	**14.7**		41.2	208.2	**13.4**		48.4	216.0	**12.2**		54.6	220.4	**11.0**												120

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle: 90 Degrees Jib Angle (deg)	90 Degrees Tip Height (ft)	90 Degrees Capacity (kips)		85 Degrees Jib Angle (deg)	85 Degrees Tip Height (ft)	85 Degrees Capacity (kips)		80 Degrees Jib Angle (deg)	80 Degrees Tip Height (ft)	80 Degrees Capacity (kips)		75 Degrees Jib Angle (deg)	75 Degrees Tip Height (ft)	75 Degrees Capacity (kips)		70 Degrees Jib Angle (deg)	70 Degrees Tip Height (ft)	70 Degrees Capacity (kips)		65 Degrees Jib Angle (deg)	65 Degrees Tip Height (ft)	65 Degrees Capacity (kips)		Load Radius (ft)
125	120	128	0.0	131.9	**9.4**	*																					128
125	120	130					22.3	176.5	**13.1**		33.3	195.0	**12.0**		41.6	206.0	**10.9**		48.5	212.5	**9.8**						130
125	120	138																					50.0	209.9	**7.9**		138
125	120	139					0.0	131.0	**11.0**	*																	139
125	120	140									23.3	176.4	**10.7**		33.8	193.0	**9.7**		41.8	202.6	**8.7**		48.5	207.8	**7.7**		140
125	120	150									0.0	129.1	**9.7**		23.9	174.9	**8.7**		34.0	189.7	**7.8**		41.7	197.9	**6.9**		150
125	120	160													4.0	134.7	**7.8**		24.2	171.8	**7.0**		34.0	185.0	**6.1**		160
125	120	170																	5.5	134.1	**6.3**		24.1	167.0	**5.5**		170
125	120	171																	0.0	122.6	**6.2**						171
125	120	180																					5.0	128.5	**4.9**		180
125	130	42	75.0	257.4	**31.3**	*																					42
125	130	50	71.2	254.9	**28.0**	*																					50
125	130	60	66.5	251.1	**24.7**	*																					60
125	130	63					70.0	253.1	**26.8**	*																	63
125	130	70	61.6	246.2	**21.8**	*	66.9	250.5	**24.8**	*																	70
125	130	80	56.4	240.2	**20.0**	*	62.0	245.7	**21.6**	*																	80
125	130	85									65.0	246.9	**21.3**														85
125	130	90	51.0	232.8	**18.6**	*	56.9	239.8	**19.7**	*	62.4	244.3	**19.7**														90
125	130	100	45.0	223.8	**17.5**	*	51.5	232.6	**18.2**	*	57.3	238.5	**17.0**														100
125	130	105													60.0	238.9	**14.4**										105
125	130	110	38.4	212.6	**16.8**	*	45.6	223.8	**16.3**		51.9	231.3	**14.9**		57.6	236.0	**13.6**										110
125	130	120	30.6	198.1	**15.4**	*	39.0	212.8	**14.5**		46.0	222.6	**13.2**		52.2	229.0	**12.0**										120
125	130	125																	55.0	229.1	**10.1**						125
125	130	130	20.4	177.1	**12.6**	*	31.4	198.6	**12.9**		39.5	211.8	**11.8**		46.4	220.4	**10.6**		52.3	225.5	**9.5**						130
125	130	138	0.0	131.9	**8.1**	*																					138
125	130	140					21.4	178.5	**11.6**		32.0	198.0	**10.5**		39.9	209.7	**9.5**		46.5	216.9	**8.4**						140
125	130	144																					50.0	217.6	**7.1**		144
125	130	149					0.0	131.0	**9.5**	*																	149
125	130	150									22.3	178.5	**9.5**		32.4	196.0	**8.5**		40.1	206.3	**7.5**		46.5	212.2	**6.6**		150
125	130	160									0.0	129.1	**8.6**		23.0	177.0	**7.6**		32.7	192.7	**6.7**		40.0	201.6	**5.9**		160
125	130	170													3.9	135.0	**6.9**		23.3	173.9	**6.0**		32.6	188.0	**5.2**		170
125	130	180																	5.3	134.6	**5.4**		23.1	169.1	**4.7**		180
125	130	181																	0.0	122.6	**5.4**						181
125	130	190																					4.8	128.9	**4.2**		190

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
125	140	44	75.0	267.1	**28.4**	*																									44
125	140	50	72.6	265.5	**26.4**	*																									50
125	140	60	68.2	261.9	**23.4**	*																									60
125	140	67					70.0	262.5	**24.3**	*																					67
125	140	70	63.8	257.5	**20.5**	*	68.6	261.3	**23.4**	*																					70
125	140	80	59.1	252.0	**18.7**	*	64.2	257.0	**20.5**	*																					80
125	140	89									65.0	256.0	**19.7**																		89
125	140	90	54.2	245.4	**17.3**	*	59.5	251.6	**18.5**	*	64.5	255.4	**19.4**																		90
125	140	100	49.0	237.5	**16.2**	*	54.6	245.1	**17.1**	*	59.9	250.2	**16.8**																		100
125	140	110	43.3	227.9	**15.4**	*	49.5	237.3	**15.9**	*	55.0	243.8	**14.7**		60.0	247.5	**13.3**														110
125	140	120	37.0	216.0	**14.8**	*	43.8	227.9	**14.3**		49.9	236.1	**13.0**		55.3	241.4	**11.7**														120
125	140	130	29.5	200.8	**13.2**	*	37.5	216.3	**12.7**		44.3	226.8	**11.5**		50.2	233.8	**10.4**														130
125	140	131																	55.0	237.2	**9.1**										131
125	140	140	19.6	178.9	**10.9**	*	30.2	201.4	**11.4**		38.0	215.4	**10.3**		44.6	224.6	**9.2**		50.3	230.3	**8.2**										140
125	140	148	0.0	131.9	**7.0**	*																									148
125	140	150					20.6	180.3	**10.3**		30.8	200.8	**9.2**		38.4	213.3	**8.3**		44.7	221.1	**7.3**		50.0	225.2	**6.3**						150
125	140	159					0.0	131.0	**8.3**	*																					159
125	140	160									21.5	180.4	**8.3**		31.2	198.9	**7.4**		38.6	209.9	**6.5**		44.7	216.4	**5.6**						160
125	140	170									0.0	129.1	**7.5**		22.1	179.0	**6.7**		31.4	195.6	**5.8**		38.5	205.2	**5.0**						170
125	140	180													3.7	135.4	**6.0**		22.4	175.9	**5.2**		31.4	190.9	**4.4**						180
125	140	190																	5.1	135.1	**4.6**		22.3	171.1	**3.9**						190
125	140	191																	0.0	122.6	**4.6**										191
125	140	200																					4.7	129.3	**3.5**						200
125	150	47	75.0	276.8	**25.8**	*																									47
125	150	50	73.8	275.9	**24.8**	*																									50
125	150	60	69.8	272.6	**21.5**	*																									60
125	150	70	65.6	268.5	**19.3**	*	70.0	271.9	**21.5**	*																					70
125	150	80	61.4	263.5	**17.6**	*	66.0	268.0	**19.3**	*																					80
125	150	90	56.9	257.6	**16.2**	*	61.7	263.1	**17.4**	*																					90
125	150	93									65.0	265.0	**18.3**																		93
125	150	100	52.2	250.4	**15.0**	*	57.3	257.2	**16.0**	*	62.1	261.6	**16.6**																		100
125	150	110	47.2	242.0	**14.1**	*	52.6	250.2	**14.8**	*	57.7	255.8	**14.5**																		110
125	150	115													60.0	256.2	**12.2**														115
125	150	120	41.8	231.8	**13.4**	*	47.7	241.8	**13.9**	*	53.0	248.9	**12.7**		57.9	253.3	**11.4**														120
125	150	130	35.7	219.3	**13.0**	*	42.3	231.8	**12.5**		48.1	240.7	**11.3**		53.3	246.5	**10.1**														130

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
125	150	137																	55.0	245.4	**8.2**										137
125	150	140	28.5	203.3	**11.4**	*	36.2	219.6	**11.2**		42.7	230.8	**10.1**		48.3	238.3	**9.0**		53.4	243.0	**7.9**												140
125	150	150	18.9	180.6	**9.4**	*	29.1	204.0	**10.1**		36.7	218.7	**9.0**		43.0	228.6	**8.0**		48.5	234.9	**7.0**												150
125	150	157																					50.0	232.9	**5.6**						157
125	150	158	0.0	131.9	**5.9**	*																											158
125	150	160					19.9	182.1	**9.1**		29.7	203.5	**8.1**		37.1	216.7	**7.2**		43.1	225.1	**6.2**		48.4	230.2	**5.3**								160
125	150	169					0.0	131.0	**7.1**	*																							169
125	150	170									20.8	182.3	**7.3**		30.2	201.6	**6.4**		37.2	213.3	**5.6**		43.1	220.5	**4.7**								170
125	150	180									0.0	129.1	**6.6**		21.4	180.9	**5.8**		30.4	198.4	**5.0**		37.2	208.6	**4.2**								180
125	150	190													3.6	135.7	**5.2**		21.6	177.9	**4.4**		30.3	193.6	**3.7**								190
125	150	200																	5.0	135.5	**3.9**		21.5	173.0	**3.2**								200
125	150	201																	0.0	122.6	**3.9**												201
125	150	210																					4.5	129.7	**2.8**								210
125	160	49	75.0	286.4	**23.2**	*																											49
125	160	50	74.8	286.3	**23.2**	*																											50
125	160	60	71.1	283.2	**20.2**	*																											60
125	160	70	67.2	279.4	**18.2**	*																											70
125	160	74					70.0	281.3	**19.5**	*																							74
125	160	80	63.3	274.8	**16.4**	*	67.6	278.9	**18.2**	*																							80
125	160	90	59.2	269.3	**15.1**	*	63.7	274.3	**16.4**	*																							90
125	160	97									65.0	274.1	**16.9**	*																			97
125	160	100	55.0	262.9	**13.9**	*	59.6	268.9	**14.9**	*	64.0	272.8	**16.3**																				100
125	160	110	50.4	255.2	**13.0**	*	55.3	262.5	**13.8**	*	59.9	267.5	**14.2**																				110
125	160	120	45.6	246.2	**12.3**	*	50.9	255.0	**12.8**	*	55.7	261.2	**12.5**		60.0	264.8	**11.1**																120
125	160	130	40.4	235.5	**11.7**	*	46.1	246.2	**12.0**	*	51.2	253.8	**11.1**		55.9	258.8	**9.9**																130
125	160	140	34.5	222.5	**11.4**	*	40.9	235.6	**11.0**		46.4	245.0	**9.8**		51.5	251.4	**8.7**																140
125	160	142																	55.0	253.6	**7.4**												142
125	160	150	27.5	205.8	**9.8**	*	35.0	222.8	**9.8**		41.3	234.6	**8.8**		46.7	242.7	**7.8**		51.6	247.9	**6.8**												150
125	160	160	18.3	182.2	**8.0**	*	28.2	206.6	**8.9**		35.5	222.0	**7.9**		41.6	232.4	**6.9**		46.8	239.3	**6.0**												160
125	160	163																					50.0	240.5	**4.9**								163
125	160	168	0.0	131.9	**5.0**	*																											168
125	160	170					19.3	183.8	**8.0**		28.8	206.1	**7.1**		35.8	220.0	**6.2**		41.7	229.0	**5.3**		46.8	234.6	**4.4**								170
125	160	179					0.0	131.0	**6.1**	*																							179
125	160	180									20.1	184.1	**6.4**		29.2	204.3	**5.5**		36.0	216.6	**4.7**		41.7	224.3	**3.9**								180
125	160	190									0.0	129.1	**5.8**		20.7	182.7	**5.0**		29.4	201.0	**4.2**		35.9	211.9	**3.4**								190

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

| Luffing Boom Length (ft) | Luffing Jib Length (ft) | Load Radius (ft) | Luffing Boom Angle | | |

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																														Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees										
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)									
135	90	70	46.6	207.2	**28.6**	*	56.1	215.6	**30.2**		64.7	220.3	**27.9**																				70
135	90	80	37.0	196.0	**26.5**	*	48.1	207.9	**25.5**		57.4	214.7	**23.5**																				80
135	90	88													60.0	213.9	**19.2**																88
135	90	90	24.5	179.2	**22.4**	*	38.8	197.3	**22.1**		49.4	207.3	**20.4**		58.4	212.6	**18.6**																90
135	90	98	0.0	141.9	**14.6**	*																											98
135	90	100					27.1	181.9	**19.3**		40.4	197.3	**17.8**		50.6	205.5	**16.2**																100
135	90	106																	55.0	205.7	**13.6**												106
135	90	110					0.0	140.9	**16.7**	*	29.3	182.9	**15.6**		41.8	195.9	**14.2**		51.5	202.4	**12.9**												110
135	90	120									10.4	155.2	**13.9**		31.0	182.3	**12.6**		42.8	193.1	**11.4**												120
135	90	121									0.0	138.9	**13.6**																				121
135	90	122																					50.0	196.0	**9.9**								122
135	90	130													14.5	158.5	**11.3**		32.4	180.1	**10.1**		43.5	189.0	**9.0**								130
135	90	133													0.0	135.9	**10.9**																133
135	90	140																	17.1	158.4	**9.1**		33.2	176.3	**8.1**								140
135	90	144																	0.0	132.0	**8.7**												144
135	90	150																					18.6	155.7	**7.2**								150
135	90	155																					0.0	127.1	**6.8**								155
135	100	34	75.0	238.5	**39.8**	*																											34
135	100	35	74.4	238.2	**39.4**	*																											35
135	100	40	71.4	236.7	**36.8**	*																											40
135	100	50	65.2	232.7	**32.1**	*																											50
135	100	54					70.0	234.9	**35.1**	*																							54
135	100	60	58.7	227.4	**28.8**	*	66.3	232.5	**32.4**	*																							60
135	100	70	51.8	220.4	**26.5**	*	59.9	227.4	**28.7**	*																							70
135	100	74									65.0	229.6	**25.8**																				74
135	100	80	44.0	211.4	**24.8**	*	53.0	220.8	**25.3**		61.0	226.4	**23.2**																				80
135	100	90	35.0	199.3	**23.1**	*	45.5	212.2	**21.9**		54.2	220.0	**20.1**																				90
135	100	93													60.0	222.5	**17.6**																93
135	100	100	23.2	181.3	**19.7**	*	36.7	200.7	**19.1**		46.8	211.8	**17.5**		55.2	218.0	**15.9**																100
135	100	108	0.0	141.9	**12.7**	*																											108
135	100	110					25.7	184.2	**16.8**		38.3	200.9	**15.4**		47.8	210.1	**14.0**																110
135	100	111																	55.0	213.9	**12.4**												111
135	100	120					0.0	140.9	**14.5**	*	27.7	185.4	**13.7**		39.5	199.6	**12.4**		48.7	207.1	**11.1**												120
135	100	129																					50.0	203.6	**8.9**								129
135	100	130									9.9	156.1	**12.2**		29.4	185.0	**11.0**		40.5	196.9	**9.9**		49.2	202.8	**8.8**								130

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																														Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees										
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)									
135	100	131									0.0	138.9	**12.0**																				131
135	100	140													13.8	159.8	**9.9**		30.7	183.0	**8.8**		41.1	192.8	**7.8**								140
135	100	143													0.0	135.9	**9.6**																143
135	100	150																	16.2	159.9	**7.9**		31.4	179.2	**7.0**								150
135	100	154																	0.0	132.0	**7.6**												154
135	100	160																					17.6	157.3	**6.2**								160
135	100	165																					0.0	127.1	**5.9**								165
135	110	37	75.0	248.1	**36.5**	*																											37
135	110	40	73.2	247.1	**34.9**	*																											40
135	110	50	67.6	243.6	**30.5**	*																											50
135	110	57					70.0	244.3	**31.8**	*																							57
135	110	60	61.9	238.9	**27.1**	*	68.6	243.3	**30.8**	*																							60
135	110	70	55.8	232.8	**24.7**	*	62.9	238.8	**27.2**	*																							70
135	110	78									65.0	238.6	**23.7**																				78
135	110	80	49.2	225.1	**22.9**	*	56.9	233.0	**24.5**	*	63.8	237.6	**22.9**																				80
135	110	90	41.9	215.3	**21.3**	*	50.4	225.6	**21.7**		57.9	232.1	**19.9**																				90
135	110	98													60.0	231.2	**16.1**																98
135	110	100	33.4	202.4	**20.1**	*	43.2	216.3	**18.9**		51.5	225.0	**17.3**		58.7	229.9	**15.7**																100
135	110	110	22.2	183.3	**16.9**	*	35.0	204.0	**16.7**		44.5	216.0	**15.2**		52.4	223.1	**13.7**																110
135	110	117																	55.0	222.1	**11.2**												117
135	110	118	0.0	141.9	**11.0**	*																											118
135	110	120					24.5	186.4	**14.8**		36.4	204.2	**13.5**		45.5	214.4	**12.1**		53.1	219.9	**10.8**												120
135	110	130					0.0	140.9	**12.7**	*	26.4	187.9	**12.0**		37.6	203.1	**10.8**		46.3	211.5	**9.6**												130
135	110	135																					50.0	211.3	**7.9**								135
135	110	140									9.4	156.9	**10.8**		28.0	187.6	**9.7**		38.6	200.5	**8.6**		46.8	207.2	**7.5**								140
135	110	141									0.0	138.9	**10.6**																				141
135	110	150													13.1	161.0	**8.7**		29.2	185.6	**7.7**		39.1	196.5	**6.7**								150
135	110	153													0.0	135.9	**8.4**																153
135	110	160																	15.5	161.3	**6.9**		29.9	182.0	**6.0**								160
135	110	164																	0.0	132.0	**6.6**												164
135	110	170																					16.8	158.8	**5.4**								170
135	110	175																					0.0	127.1	**5.1**								175
135	120	39	75.0	257.8	**33.4**	*																											39
135	120	40	74.6	257.6	**33.0**	*																											40

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																														Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees										
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)									
135	120	50	69.6	254.3	**28.9**	*																											50
135	120	60	64.4	250.1	**25.6**	*																											60
135	120	61					70.0	253.7	**28.8**	*																							61
135	120	70	59.0	244.7	**23.2**	*	65.3	249.9	**25.8**	*																							70
135	120	80	53.2	238.0	**20.9**	*	59.9	244.8	**23.1**	*																							80
135	120	82									65.0	247.7	**22.1**																				82
135	120	90	47.0	229.6	**19.6**	*	54.2	238.3	**20.7**	*	60.8	243.7	**19.6**																				90
135	120	100	40.0	219.1	**18.8**	*	48.1	230.2	**18.7**		55.2	237.4	**17.0**																				100
135	120	103													60.0	239.9	**14.8**																103
135	120	110	31.9	205.3	**17.6**	*	41.3	220.1	**16.4**		49.1	229.7	**15.0**		56.0	235.4	**13.5**																110
135	120	120	21.2	185.3	**14.6**	*	33.4	207.0	**14.6**		42.5	219.9	**13.2**		50.0	227.9	**11.9**																120
135	120	123																	55.0	230.3	**10.2**												123
135	120	128	0.0	141.9	**9.5**	*																											128
135	120	130					23.4	188.6	**13.0**		34.8	207.4	**11.8**		43.5	218.5	**10.6**		50.7	224.8	**9.4**												130
135	120	140					0.0	140.9	**11.1**	*	25.3	190.1	**10.6**		36.0	206.4	**9.4**		44.2	215.6	**8.3**												140
135	120	142																					50.0	219.0	**7.1**								142
135	120	150									9.0	157.7	**9.5**		26.8	190.0	**8.5**		36.9	203.9	**7.4**		44.7	211.4	**6.4**								150
135	120	151									0.0	138.9	**9.3**																				151
135	120	160													12.6	162.1	**7.6**		27.9	188.2	**6.7**		37.4	199.9	**5.7**								160
135	120	163													0.0	135.9	**7.4**																163
135	120	170																	14.8	162.6	**6.0**		28.6	184.6	**5.1**								170
135	120	174																	0.0	132.0	**5.7**												174
135	120	180																					16.1	160.3	**4.6**								180
135	120	185																					0.0	127.1	**4.3**								185
135	130	42	75.0	267.4	**30.4**	*																											42
135	130	50	71.2	264.9	**27.3**	*																											50
135	130	60	66.5	261.1	**24.1**	*																											60
135	130	64					70.0	263.1	**26.1**	*																							64
135	130	70	61.6	256.2	**21.3**	*	67.3	260.8	**24.4**	*																							70
135	130	80	56.4	250.2	**19.6**	*	62.4	256.2	**21.3**	*																							80
135	130	86									65.0	256.7	**20.5**																				86
135	130	90	51.0	242.8	**18.2**	*	57.4	250.4	**19.4**	*	63.2	255.0	**19.4**																				90
135	130	100	45.0	233.8	**17.2**	*	51.9	243.3	**18.0**	*	58.2	249.4	**16.8**																				100
135	130	108													60.0	248.5	**13.6**																108
135	130	110	38.4	222.6	**16.5**	*	46.1	234.6	**16.2**		52.8	242.5	**14.7**		58.9	247.3	**13.2**																110

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle: 90 Degrees Jib Angle (deg)	90 Degrees Tip Height (ft)	90 Degrees Capacity (kips)		85 Degrees Jib Angle (deg)	85 Degrees Tip Height (ft)	85 Degrees Capacity (kips)		80 Degrees Jib Angle (deg)	80 Degrees Tip Height (ft)	80 Degrees Capacity (kips)	75 Degrees Jib Angle (deg)	75 Degrees Tip Height (ft)	75 Degrees Capacity (kips)	70 Degrees Jib Angle (deg)	70 Degrees Tip Height (ft)	70 Degrees Capacity (kips)	65 Degrees Jib Angle (deg)	65 Degrees Tip Height (ft)	65 Degrees Capacity (kips)	Load Radius (ft)
135	130	120	30.6	208.1	**15.4**	*	39.6	223.8	**14.4**		47.1	234.1	**13.0**	53.6	240.6	**11.6**								120
135	130	128															55.0	238.5	**9.2**					128
135	130	130	20.4	187.1	**12.6**	*	32.1	210.0	**12.8**		40.7	223.7	**11.6**	47.9	232.4	**10.3**	54.2	237.4	**9.1**					130
135	130	138	0.0	141.9	**8.2**	*																		138
135	130	140					22.5	190.6	**11.5**		33.4	210.5	**10.4**	41.7	222.4	**9.2**	48.6	229.4	**8.1**					140
135	130	148																		50.0	226.6	**6.3**		148
135	130	150					0.0	140.9	**9.6**	*	24.3	192.3	**9.3**	34.5	209.6	**8.2**	42.4	219.6	**7.2**	49.0	225.1	**6.2**		150
135	130	160									8.7	158.5	**8.4**	25.7	192.4	**7.4**	35.4	207.2	**6.4**	42.8	215.4	**5.5**		160
135	130	161									0.0	138.9	**8.3**											161
135	130	170												12.1	163.2	**6.6**	26.8	190.6	**5.7**	35.9	203.3	**4.8**		170
135	130	173												0.0	136.0	**6.4**								173
135	130	180															14.2	163.9	**5.1**	27.5	187.1	**4.3**		180
135	130	184															0.0	132.0	**4.9**					184
135	130	190																		15.4	161.6	**3.8**		190
135	130	195																		0.0	127.1	**3.6**		195
135	140	44	75.0	277.1	**27.6**	*																		44
135	140	50	72.6	275.5	**25.7**	*																		50
135	140	60	68.2	271.9	**22.2**	*																		60
135	140	68					70.0	272.5	**23.6**	*														68
135	140	70	63.8	267.5	**20.0**	*	69.0	271.6	**23.0**	*														70
135	140	80	59.1	262.0	**18.3**	*	64.6	267.3	**20.2**	*														80
135	140	90	54.2	255.4	**17.0**	*	59.9	262.1	**18.2**	*														90
135	140	91									65.0	265.8	**18.9**											91
135	140	100	49.0	247.5	**15.9**	*	55.1	255.7	**16.8**	*	60.7	261.0	**16.5**											100
135	140	110	43.3	237.9	**15.0**	*	49.9	248.0	**15.7**	*	55.9	254.8	**14.5**											110
135	140	113												60.0	257.2	**12.5**								113
135	140	120	37.0	226.0	**14.5**	*	44.3	238.7	**14.2**		50.8	247.4	**12.8**	56.6	252.8	**11.4**								120
135	140	130	29.5	210.8	**13.2**	*	38.1	227.3	**12.6**		45.3	238.4	**11.3**	51.5	245.5	**10.1**								130
135	140	134															55.0	246.6	**8.4**					134
135	140	140	19.6	188.9	**10.9**	*	30.9	212.8	**11.3**		39.2	227.4	**10.1**	46.1	236.8	**8.9**	52.1	242.4	**7.8**					140
135	140	148	0.0	141.9	**7.1**	*																		148
135	140	150					21.6	192.5	**10.2**		32.2	213.4	**9.1**	40.1	226.1	**8.0**	46.7	233.8	**6.9**					150
135	140	155																		50.0	234.3	**5.5**		155
135	140	160					0.0	140.9	**8.4**	*	23.4	194.5	**8.2**	33.2	212.6	**7.2**	40.8	223.4	**6.2**	47.1	229.6	**5.2**		160
135	140	170									8.3	159.2	**7.4**	24.8	194.6	**6.4**	34.0	210.3	**5.5**	41.2	219.3	**4.6**		170

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																														Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees										
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)									
135	140	171									0.0	138.9	**7.3**																				171
135	140	180													11.6	164.2	**5.8**		25.8	192.9	**4.9**		34.5	206.4	**4.0**								180
135	140	183													0.0	135.9	**5.6**																183
135	140	190																	13.7	165.1	**4.4**		26.5	189.5	**3.6**								190
135	140	194																	0.0	132.0	**4.2**												194
135	140	200																					14.9	163.0	**3.1**								200
135	140	205																					0.0	127.1	**2.9**								205
135	150	47	75.0	286.8	**24.3**	*																											47
135	150	50	73.8	285.9	**23.9**	*																											50
135	150	60	69.8	282.6	**20.9**	*																											60
135	150	70	65.6	278.5	**18.8**	*																											70
135	150	71					70.0	281.9	**20.9**	*																							71
135	150	80	61.4	273.5	**17.1**	*	66.4	278.3	**19.0**	*																							80
135	150	90	56.9	267.6	**15.8**	*	62.1	273.5	**17.2**	*																							90
135	150	95									65.0	274.9	**17.5**																				95
135	150	100	52.2	260.4	**14.7**	*	57.7	267.7	**15.7**	*	62.8	272.4	**16.3**																				100
135	150	110	47.2	252.0	**13.8**	*	53.1	260.8	**14.6**	*	58.4	266.7	**14.2**																				110
135	150	118													60.0	265.8	**11.4**																118
135	150	120	41.8	241.8	**13.1**	*	48.1	252.6	**13.6**	*	53.8	260.0	**12.5**		59.1	264.6	**11.1**																120
135	150	130	35.7	229.3	**12.6**	*	42.8	242.7	**12.4**		48.9	252.0	**11.1**		54.5	258.0	**9.8**																130
135	150	140	28.5	213.3	**11.4**	*	36.8	230.7	**11.1**		43.7	242.5	**9.9**		49.7	250.3	**8.7**		55.0	254.8	**7.5**												140
135	150	150	18.9	190.6	**9.4**	*	29.8	215.5	**10.0**		37.8	230.9	**8.9**		44.4	240.9	**7.7**		50.2	247.2	**6.7**												150
135	150	158	0.0	141.9	**6.0**	*																											158
135	150	160					20.9	194.4	**9.0**		31.0	216.3	**8.0**		38.7	229.7	**6.9**		45.0	238.1	**5.9**												160
135	150	161																					50.0	241.9	**4.8**								161
135	150	170					0.0	140.9	**7.2**	*	22.6	196.5	**7.2**		32.1	215.6	**6.2**		39.3	227.0	**5.2**		45.4	233.9	**4.3**								170
135	150	180									8.1	160.0	**6.5**		23.9	196.8	**5.5**		32.8	213.3	**4.6**		39.8	223.0	**3.8**								180
135	150	181									0.0	139.0	**6.4**																				181
135	150	190													11.3	165.2	**5.0**		24.9	195.2	**4.1**		33.3	209.5	**3.3**								190
135	150	193													0.0	135.9	**4.8**																193
135	150	200																	13.2	166.3	**3.7**		25.6	191.8	**2.9**								200
135	150	204																	0.0	132.0	**3.5**												204
135	150	210																					14.4	164.2	**2.5**								210
135	150	215																					0.0	127.1	**2.3**								215

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
135	160	49	75.0	296.4	**21.1**	*																									49
135	160	50	74.8	296.3	**21.1**	*																									50
135	160	60	71.1	293.2	**19.7**	*																									60
135	160	70	67.2	289.4	**17.7**	*																									70
135	160	75					70.0	291.3	**18.9**	*																					75
135	160	80	63.3	284.8	**16.0**	*	67.9	289.2	**17.9**	*																					80
135	160	90	59.2	279.3	**14.7**	*	64.0	284.7	**16.2**	*																					90
135	160	99									65.0	283.9	**16.2**																		99
135	160	100	55.0	272.9	**13.6**	*	59.9	279.4	**14.7**	*	64.6	283.5	**16.0**																		100
135	160	110	50.4	265.2	**12.7**	*	55.7	273.1	**13.5**	*	60.6	278.3	**14.0**																		110
135	160	120	45.6	256.2	**12.0**	*	51.3	265.7	**12.6**	*	56.4	272.2	**12.3**																		120
135	160	123													60.0	274.5	**10.4**														123
135	160	130	40.4	245.5	**11.4**	*	46.5	257.0	**11.8**	*	52.0	265.0	**10.9**		57.0	270.1	**9.5**														130
135	160	140	34.5	232.5	**11.0**	*	41.3	246.6	**10.9**		47.3	256.5	**9.7**		52.6	263.1	**8.4**														140
135	160	146																	55.0	263.0	**6.7**										146
135	160	150	27.5	215.8	**9.8**	*	35.6	234.0	**9.8**		42.2	246.4	**8.6**		48.0	254.8	**7.5**		53.1	259.9	**6.4**										150
135	160	160	18.3	192.2	**8.0**	*	28.9	218.1	**8.8**		36.6	234.2	**7.7**		42.9	244.9	**6.7**		48.5	251.8	**5.6**										160
135	160	167																					50.0	249.6	**4.2**						167
135	160	168	0.0	141.9	**5.0**	*																									168
135	160	170					20.2	196.2	**7.9**		30.0	219.0	**6.9**		37.4	233.1	**5.9**		43.5	242.1	**5.0**		48.8	247.5	**4.0**						170
135	160	180					0.0	141.0	**6.2**	*	21.8	198.4	**6.2**		31.0	218.4	**5.3**		38.0	230.5	**4.4**		43.9	238.0	**3.5**						180
135	160	190									7.8	160.7	**5.6**		23.2	198.8	**4.7**		31.8	216.2	**3.9**		38.4	226.5	**3.0**						190
135	160	191									0.0	139.0	**5.5**																		191
135	160	200													10.9	166.2	**4.2**		24.1	197.4	**3.4**		32.3	212.4	**2.6**						200
135	160	203													0.0	135.9	**4.1**														203
135	160	210																	12.8	167.4	**3.0**		24.7	194.0	**2.3**						210
135	160	214																	0.0	132.0	**2.8**										214
145	80	29	75.0	229.1	**43.8**	*																									29
145	80	30	74.1	228.8	**43.3**	*																									30
145	80	35	70.4	227.2	**41.3**	*																									35
145	80	40	66.5	225.2	**39.4**	*																									40
145	80	48					70.0	226.0	**39.6**	*																					48
145	80	50	58.4	220.0	**35.2**	*	68.5	225.3	**38.8**	*																					50
145	80	60	49.6	212.8	**31.8**	*	60.6	220.6	**34.8**	*																					60
145	80	67									65.0	221.3	**29.4**																		67

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
145	80	70	39.3	202.6	**28.9**	*	52.0	213.9	**30.3**		62.6	219.8	**27.8**																		70
145	80	80	26.0	187.0	**26.5**	*	42.2	204.6	**25.6**		54.2	213.7	**23.4**																		80
145	80	85													60.0	214.9	**19.7**														85
145	80	88	0.0	151.9	**17.1**	*																									88
145	80	90					30.0	190.9	**22.2**		44.8	205.1	**20.3**		56.2	212.1	**18.5**														90
145	80	100					7.8	161.7	**19.4**		33.4	192.8	**17.7**		47.0	204.1	**16.1**														100
145	80	101					0.0	150.9	**19.1**																						101
145	80	103																	55.0	206.9	**13.8**										103
145	80	110									16.3	171.2	**15.6**		36.2	192.9	**14.1**		48.9	201.6	**12.7**										110
145	80	113									0.0	148.8	**15.0**																		113
145	80	120													21.3	174.7	**12.5**		38.5	191.2	**11.2**		50.0	197.4	**9.9**						120
145	80	125													0.0	145.6	**11.7**														125
145	80	130																	24.8	175.0	**10.0**		40.2	187.8	**8.8**						130
145	80	137																	0.0	141.4	**9.2**										137
145	80	140																					27.3	172.8	**7.9**						140
145	80	149																					0.0	136.1	**7.1**						149
145	90	31	75.0	238.8	**40.3**	*																									31
145	90	35	72.6	237.8	**39.0**	*																									35
145	90	40	69.3	236.0	**37.2**	*																									40
145	90	50	62.3	231.5	**33.2**	*																									50
145	90	51					70.0	235.4	**36.1**	*																					51
145	90	60	54.8	225.4	**30.1**	*	64.1	231.9	**33.0**	*																					60
145	90	70	46.6	217.2	**27.4**	*	56.8	226.2	**29.9**	*																					70
145	90	71									65.0	230.3	**26.9**																		71
145	90	80	37.0	206.0	**25.1**	*	48.8	218.6	**25.4**		58.7	225.7	**23.2**																		80
145	90	90	24.5	189.2	**22.3**	*	39.7	208.3	**22.0**		50.9	218.6	**20.1**		60.0	223.5	**18.1**														90
145	90	98	0.0	151.9	**14.8**	*																									98
145	90	100					28.3	193.5	**19.2**		42.1	209.1	**17.5**		52.7	217.2	**15.8**														100
145	90	109																	55.0	215.1	**12.5**										109
145	90	110					7.3	162.4	**16.9**		31.4	195.7	**15.4**		44.2	208.3	**13.9**		54.2	214.4	**12.4**										110
145	90	111					0.0	150.9	**16.7**																						111
145	90	120									15.4	172.6	**13.7**		34.1	196.0	**12.3**		45.9	206.0	**11.0**										120
145	90	123									0.0	148.8	**13.1**																		123
145	90	127																					50.0	205.0	**8.9**						127
145	90	130													20.1	176.5	**11.0**		36.2	194.5	**9.7**		47.3	202.2	**8.5**						130

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
145	90	135													0.0	145.6	**10.3**														135
145	90	140																	23.4	177.1	**8.7**		37.8	191.3	**7.6**						140
145	90	147																	0.0	141.4	**8.0**										147
145	90	150																					25.7	175.2	**6.8**						150
145	90	159																					0.0	136.1	**6.1**						159
145	100	34	75.0	248.5	**37.0**	*																									34
145	100	35	74.4	248.2	**36.7**	*																									35
145	100	40	71.4	246.7	**35.1**	*																									40
145	100	50	65.2	242.7	**31.3**	*																									50
145	100	55					70.0	244.8	**32.9**	*																					55
145	100	60	58.7	237.4	**28.2**	*	66.9	242.8	**31.3**	*																					60
145	100	70	51.8	230.4	**25.9**	*	60.5	237.9	**28.3**	*																					70
145	100	75									65.0	239.4	**24.7**																		75
145	100	80	44.0	221.4	**23.7**	*	53.7	231.4	**25.1**		62.1	237.2	**22.9**																		80
145	100	90	35.0	209.3	**21.7**	*	46.2	223.0	**21.8**		55.4	231.1	**19.8**																		90
145	100	95													60.0	232.2	**16.5**														95
145	100	100	23.2	191.3	**19.7**	*	37.6	211.8	**19.0**		48.1	223.2	**17.3**		57.0	229.4	**15.5**														100
145	100	108	0.0	151.9	**12.8**	*																									108
145	100	110					26.8	195.9	**16.8**		39.8	212.8	**15.2**		49.8	222.0	**13.6**														110
145	100	115																	55.0	223.3	**11.4**										115
145	100	120					7.0	163.0	**14.9**		29.8	198.5	**13.5**		41.8	212.3	**12.1**		51.2	219.3	**10.7**										120
145	100	121					0.0	150.9	**14.6**	*																					121
145	100	130									14.6	173.9	**12.0**		32.3	199.0	**10.7**		43.4	210.1	**9.5**										130
145	100	133									0.0	148.8	**11.6**																		133
145	100	140													19.0	178.2	**9.6**		34.3	197.7	**8.5**		44.7	206.4	**7.3**						140
145	100	145													0.0	145.6	**9.0**														145
145	100	150																	22.2	179.1	**7.6**		35.8	194.6	**6.5**						150
145	100	157																	0.0	141.4	**7.0**										157
145	100	160																					24.4	177.4	**5.8**						160
145	100	169																					0.0	136.1	**5.3**						169
145	110	37	75.0	258.1	**34.0**	*																									37
145	110	40	73.2	257.1	**33.0**	*																									40
145	110	50	67.6	253.6	**29.7**	*																									50
145	110	58					70.0	254.2	**29.9**	*																					58

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
145	110	60	61.9	248.9	**26.5**	*	69.1	253.6	**29.5**	*																					60
145	110	70	55.8	242.8	**24.2**	*	63.4	249.2	**26.8**	*																					70
145	110	80	49.2	235.1	**22.0**	*	57.4	243.5	**24.2**	*	65.0	248.5	**22.7**																		80
145	110	90	41.9	225.3	**20.5**	*	51.0	236.3	**21.6**		58.9	243.0	**19.6**																		90
145	110	100	33.4	212.4	**19.0**	*	43.9	227.1	**18.8**		52.6	236.2	**17.0**		60.0	240.9	**15.2**														100
145	110	110	22.2	193.3	**16.9**	*	35.8	215.1	**16.6**		45.7	227.5	**15.0**		54.1	234.7	**13.4**														110
145	110	118	0.0	151.9	**11.1**	*																									118
145	110	120					25.5	198.3	**14.7**		37.9	216.4	**13.3**		47.3	226.5	**11.8**		55.0	231.5	**10.3**										120
145	110	130					6.6	163.6	**13.1**		28.4	201.1	**11.8**		39.8	216.0	**10.5**		48.7	224.0	**9.2**										130
145	110	131					0.0	150.9	**12.8**	*																					131
145	110	140									13.9	175.2	**10.6**		30.8	201.8	**9.4**		41.3	214.0	**8.2**		50.0	220.4	**7.1**						140
145	110	143									0.0	148.8	**10.2**																		143
145	110	150													18.1	179.9	**8.4**		32.7	200.7	**7.3**		42.5	210.4	**6.3**						150
145	110	155													0.0	145.6	**7.9**														155
145	110	160																	21.1	181.0	**6.6**		34.1	197.8	**5.6**						160
145	110	167																	0.0	141.4	**6.0**										167
145	110	170																					23.2	179.5	**5.0**						170
145	110	179																					0.0	136.2	**4.5**						179
145	120	39	75.0	267.8	**31.1**	*																									39
145	120	40	74.6	267.6	**30.9**	*																									40
145	120	50	69.6	264.3	**27.9**	*																									50
145	120	60	64.4	260.1	**24.9**	*																									60
145	120	62					70.0	263.6	**27.2**	*																					62
145	120	70	59.0	254.7	**22.1**	*	65.8	260.3	**25.2**	*																					70
145	120	80	53.2	248.0	**20.5**	*	60.4	255.2	**22.2**	*																					80
145	120	84									65.0	257.5	**21.2**																		84
145	120	90	47.0	239.6	**19.2**	*	54.7	248.9	**20.4**	*	61.8	254.5	**19.3**																		90
145	120	100	40.0	229.1	**17.9**	*	48.7	241.0	**18.6**		56.2	248.5	**16.8**																		100
145	120	105													60.0	249.5	**13.9**														105
145	120	110	31.9	215.3	**16.7**	*	41.9	231.1	**16.4**		50.2	241.0	**14.7**		57.5	246.8	**13.1**														110
145	120	120	21.2	195.3	**14.6**	*	34.2	218.3	**14.5**		43.7	231.7	**13.0**		51.6	239.6	**11.5**														120
145	120	126																	55.0	239.7	**9.3**										126
145	120	128	0.0	151.9	**9.6**	*																									128
145	120	130					24.4	200.5	**13.0**		36.2	219.7	**11.6**		45.2	230.8	**10.3**		52.8	236.9	**8.9**										130
145	120	140					6.4	164.2	**11.6**		27.1	203.5	**10.4**		38.0	219.5	**9.1**		46.5	228.4	**7.9**										140

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																														Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees										
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)									
145	120	141					0.0	150.9	**11.2**	*																							141
145	120	146																					50.0	228.0	**6.3**								146
145	120	150									13.3	176.4	**9.3**		29.4	204.5	**8.2**		39.5	217.7	**7.1**		47.5	224.6	**6.0**								150
145	120	153									0.0	148.8	**9.0**																				153
145	120	160													17.4	181.4	**7.4**		31.2	203.6	**6.3**		40.6	214.2	**5.3**								160
145	120	165													0.0	145.6	**6.9**																165
145	120	170																	20.2	182.8	**5.7**		32.6	200.8	**4.7**								170
145	120	177																	0.0	141.4	**5.2**												177
145	120	180																					22.2	181.5	**4.2**								180
145	120	189																					0.0	136.2	**3.7**								189
145	130	42	75.0	277.4	**28.3**	*																											42
145	130	50	71.2	274.9	**26.2**	*																											50
145	130	60	66.5	271.1	**23.5**	*																											60
145	130	65					70.0	273.0	**24.7**	*																							65
145	130	70	61.6	266.2	**20.8**	*	67.7	271.2	**23.7**	*																							70
145	130	80	56.4	260.2	**19.1**	*	62.9	266.6	**21.0**	*																							80
145	130	88									65.0	266.6	**19.6**																				88
145	130	90	51.0	252.8	**17.8**	*	57.8	260.9	**19.1**	*	64.1	265.7	**19.1**																				90
145	130	100	45.0	243.8	**16.8**	*	52.4	253.9	**17.7**	*	59.1	260.3	**16.5**																				100
145	130	110	38.4	232.6	**15.6**	*	46.6	245.4	**16.1**		53.8	253.7	**14.5**		60.0	258.2	**12.7**																110
145	130	120	30.6	218.1	**14.6**	*	40.2	234.8	**14.3**		48.1	245.6	**12.8**		55.0	252.1	**11.3**																120
145	130	130	20.4	197.1	**12.6**	*	32.8	221.3	**12.8**		41.9	235.6	**11.4**		49.4	244.4	**10.0**																130
145	130	132																	55.0	247.8	**8.4**												132
145	130	138	0.0	151.9	**8.3**	*																											138
145	130	140					23.5	202.6	**11.4**		34.8	222.9	**10.2**		43.4	234.8	**8.9**		50.6	241.7	**7.7**												140
145	130	150					6.1	164.7	**10.3**		26.1	205.9	**9.1**		36.5	222.9	**8.0**		44.6	232.6	**6.8**												150
145	130	151					0.0	150.9	**9.7**	*																							151
145	130	152																					50.0	235.7	**5.5**								152
145	130	160									12.8	177.5	**8.2**		28.2	207.1	**7.1**		37.9	221.2	**6.1**		45.5	228.9	**5.0**								160
145	130	163									0.0	148.8	**7.9**																				163
145	130	170													16.7	182.9	**6.4**		30.0	206.3	**5.4**		39.0	217.8	**4.4**								170
145	130	175													0.0	145.6	**6.0**																175
145	130	180																	19.4	184.6	**4.8**		31.3	203.6	**3.9**								180
145	130	187																	0.0	141.4	**4.4**												187
145	130	190																					21.3	183.4	**3.5**								190

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
145	130	199																					0.0	136.2	**3.1**		199
145	140	44	75.0	287.1	**25.1**	*																					44
145	140	50	72.6	285.5	**24.4**	*																					50
145	140	60	68.2	281.9	**21.6**	*																					60
145	140	69					70.0	282.4	**22.3**	*																	69
145	140	70	63.8	277.5	**19.5**	*	69.4	281.9	**22.0**	*																	70
145	140	80	59.1	272.0	**17.9**	*	65.0	277.7	**19.8**	*																	80
145	140	90	54.2	265.4	**16.5**	*	60.3	272.5	**17.9**	*																	90
145	140	92									65.0	275.7	**18.1**														92
145	140	100	49.0	257.5	**15.5**	*	55.5	266.3	**16.5**	*	61.5	271.8	**16.3**														100
145	140	110	43.3	247.9	**14.7**	*	50.4	258.7	**15.4**	*	56.7	265.8	**14.2**														110
145	140	115													60.0	266.8	**11.7**										115
145	140	120	37.0	236.0	**13.6**	*	44.8	249.6	**14.1**		51.7	258.6	**12.5**		57.8	264.1	**11.0**										120
145	140	130	29.5	220.8	**12.8**	*	38.7	238.4	**12.5**		46.3	249.9	**11.1**		52.9	257.2	**9.7**										130
145	140	138																	55.0	256.0	**7.6**						138
145	140	140	19.6	198.9	**10.8**	*	31.6	224.2	**11.2**		40.3	239.3	**9.9**		47.5	248.9	**8.6**		53.8	254.4	**7.4**						140
145	140	148	0.0	151.9	**7.1**	*																					148
145	140	150					22.6	204.6	**10.1**		33.5	226.0	**8.9**		41.7	238.7	**7.7**		48.6	246.4	**6.5**						150
145	140	159																					50.0	243.3	**4.8**		159
145	140	160					5.9	165.2	**9.1**		25.1	208.2	**8.0**		35.1	226.1	**6.9**		42.9	236.6	**5.8**		49.4	242.4	**4.7**		160
145	140	161					0.0	150.9	**8.4**	*																	161
145	140	170									12.3	178.6	**7.2**		27.2	209.6	**6.2**		36.5	224.6	**5.2**		43.8	233.0	**4.2**		170
145	140	173									0.0	148.8	**7.0**														173
145	140	180													16.1	184.4	**5.5**		28.9	209.0	**4.6**		37.5	221.3	**3.7**		180
145	140	185													0.0	145.6	**5.2**										185
145	140	190																	18.7	186.3	**4.1**		30.1	206.4	**3.2**		190
145	140	197																	0.0	141.4	**3.7**						197
145	140	200																					20.6	185.3	**2.8**		200
145	140	209																					0.0	136.2	**2.4**		209
145	150	47	75.0	296.8	**21.9**	*																					47
145	150	50	73.8	295.9	**21.6**	*																					50
145	150	60	69.8	292.6	**20.3**	*																					60
145	150	70	65.6	288.5	**18.3**	*																					70
145	150	72					70.0	291.8	**20.2**	*																	72

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
145	150	80	61.4	283.5	**16.7**	*	66.7	288.7	**18.7**	*															80
145	150	90	56.9	277.6	**15.4**	*	62.5	283.9	**16.9**	*															90
145	150	97									65.0	284.7	**16.8**												97
145	150	100	52.2	270.4	**14.3**	*	58.1	278.2	**15.4**	*	63.6	283.1	**16.0**												100
145	150	110	47.2	262.0	**13.4**	*	53.5	271.4	**14.3**	*	59.2	277.6	**14.0**												110
145	150	120	41.8	251.8	**12.7**	*	48.6	263.3	**13.4**	*	54.7	271.1	**12.3**		60.0	275.5	**10.7**								120
145	150	130	35.7	239.3	**11.9**	*	43.2	253.6	**12.3**		49.8	263.4	**10.9**		55.7	269.5	**9.5**								130
145	150	140	28.5	223.3	**11.1**	*	37.3	241.8	**11.0**		44.6	254.1	**9.7**		50.9	262.1	**8.4**								140
145	150	143																	55.0	264.2	**6.8**				143
145	150	150	18.9	200.6	**9.3**	*	30.5	227.0	**9.9**		38.9	242.9	**8.7**		45.8	253.2	**7.5**		51.9	259.4	**6.3**				150
145	150	158	0.0	151.9	**6.1**	*																			158
145	150	160					21.8	206.6	**8.9**		32.3	228.9	**7.8**		40.2	242.5	**6.7**		46.8	250.8	**5.5**				160
145	150	165																					50.0	251.0	**4.2**	165
145	150	170					5.7	165.7	**7.9**	*	24.2	210.3	**7.0**		33.9	229.2	**5.9**		41.4	240.5	**4.9**		47.6	246.9	**3.9**	170
145	150	171					0.0	150.9	**7.3**	*															171
145	150	180									11.9	179.7	**6.3**		26.3	211.9	**5.3**		35.2	227.8	**4.3**		42.2	236.9	**3.4**	180
145	150	183									0.0	148.8	**6.1**												183
145	150	190													15.5	185.7	**4.8**		27.9	211.5	**3.8**		36.2	224.6	**2.9**	190
145	150	195													0.0	145.7	**4.5**								195
145	150	200																	18.1	187.9	**3.4**		29.1	209.0	**2.5**	200
145	150	207																	0.0	141.4	**3.1**					207
145	150	210																					19.9	187.0	**2.2**	210
145	160	49	75.0	306.4	**19.0**	*																			49
145	160	50	74.8	306.3	**18.9**	*																			50
145	160	60	71.1	303.2	**18.1**	*																			60
145	160	70	67.2	299.4	**17.1**	*																			70
145	160	75					70.0	301.2	**18.2**	*															75
145	160	80	63.3	294.8	**15.5**	*	68.3	299.5	**17.5**	*															80
145	160	90	59.2	289.3	**14.3**	*	64.3	295.1	**15.8**	*															90
145	160	100	55.0	282.9	**13.2**	*	60.3	289.9	**14.4**	*															100
145	160	101									65.0	293.8	**15.6**												101
145	160	110	50.4	275.2	**12.3**	*	56.1	283.7	**13.3**	*	61.3	289.1	**13.7**												110
145	160	120	45.6	266.2	**11.6**	*	51.7	276.4	**12.3**	*	57.2	283.2	**12.1**												120
145	160	125													60.0	284.2	**9.8**								125
145	160	130	40.4	255.5	**10.8**	*	46.9	267.8	**11.6**	*	52.8	276.2	**10.7**		58.1	281.4	**9.2**								130

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
145	160	140	34.5	242.5	**9.9**	*	41.8	257.5	**10.8**		48.1	267.9	**9.5**		53.8	274.7	**8.1**														140
145	160	149																	55.0	272.4	**6.1**										149
145	160	150	27.5	225.8	**9.2**	*	36.1	245.2	**9.7**		43.1	258.1	**8.4**		49.2	266.7	**7.2**		54.6	271.8	**6.0**										150
145	160	160	18.3	202.2	**8.0**	*	29.5	229.6	**8.7**		37.6	246.4	**7.6**		44.3	257.3	**6.4**		50.1	264.1	**5.3**										160
145	160	168	0.0	151.9	**5.1**	*																									168
145	160	170					21.1	208.5	**7.9**		31.3	231.8	**6.8**		38.9	246.1	**5.7**		45.3	255.0	**4.6**										170
145	160	172																					50.0	258.7	**3.5**						172
145	160	180					5.5	166.2	**6.8**	*	23.5	212.5	**6.1**		32.8	232.2	**5.1**		40.0	244.2	**4.1**		46.0	251.3	**3.1**						180
145	160	181					0.0	150.9	**6.2**	*																					181
145	160	190									11.5	180.7	**5.5**		25.4	214.2	**4.5**		34.0	230.9	**3.6**		40.8	240.7	**2.7**						190
145	160	193									0.0	148.8	**5.3**																		193
145	160	200													15.0	187.1	**4.0**		27.0	213.9	**3.1**		35.0	227.8	**2.3**						200
145	160	205													0.0	145.7	**3.8**														205
145	160	210																	17.5	189.5	**2.7**										210
145	160	217																	0.0	141.4	**2.5**										217
155	80	29	75.0	239.1	**40.5**	*																									29
155	80	30	74.1	238.8	**40.1**	*																									30
155	80	35	70.4	237.2	**38.3**	*																									35
155	80	40	66.5	235.2	**36.6**	*																									40
155	80	49					70.0	236.0	**36.7**	*																					49
155	80	50	58.4	230.0	**33.0**	*	69.2	235.6	**36.3**	*																					50
155	80	60	49.6	222.8	**29.8**	*	61.3	231.0	**32.8**	*																					60
155	80	69									65.0	231.1	**28.0**																		69
155	80	70	39.3	212.6	**27.2**	*	52.8	224.5	**29.7**	*	64.0	230.5	**27.4**																		70
155	80	80	26.0	197.0	**25.0**	*	43.1	215.5	**25.5**		55.7	224.7	**23.1**																		80
155	80	88	0.0	161.9	**17.2**	*									60.0	224.5	**18.5**														88
155	80	90					31.3	202.3	**22.1**		46.5	216.7	**20.1**		58.4	223.4	**18.0**														90
155	80	100					11.5	176.8	**19.3**		35.6	205.2	**17.5**		49.5	216.1	**15.7**														100
155	80	102					0.0	160.8	**18.8**																						102
155	80	107																	55.0	216.3	**12.7**										107
155	80	110									20.3	186.3	**15.4**		39.3	205.9	**13.8**		52.1	213.9	**12.2**										110
155	80	115									0.0	158.6	**14.4**																		115
155	80	120													25.9	190.2	**12.2**		42.3	204.6	**10.8**										120
155	80	125																					50.0	206.4	**8.9**						125
155	80	128													0.0	155.3	**11.1**														128

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																																Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees													
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)											
155	80	130																	30.1	190.9	**9.6**		44.7	201.4	**8.3**											130
155	80	140																	8.2	162.2	**8.5**		33.3	189.1	**7.4**											140
155	80	141																	0.0	150.8	**8.4**															141
155	80	150																					16.1	167.4	**6.6**											150
155	80	153																					0.0	145.2	**6.3**											153
155	90	31	75.0	248.8	**37.3**	*																														31
155	90	35	72.6	247.8	**36.1**	*																														35
155	90	40	69.3	246.0	**34.6**	*																														40
155	90	50	62.3	241.5	**31.1**	*																														50
155	90	52					70.0	245.4	**33.5**	*																										52
155	90	60	54.8	235.4	**28.2**	*	64.8	242.2	**31.0**	*																										60
155	90	70	46.6	227.2	**25.7**	*	57.5	236.7	**28.1**	*																										70
155	90	73									65.0	240.2	**25.7**																							73
155	90	80	37.0	216.0	**23.6**	*	49.5	229.3	**25.2**		60.0	236.5	**22.8**																							80
155	90	90	24.5	199.2	**21.7**	*	40.5	219.3	**21.9**		52.3	229.8	**19.8**																							90
155	90	93													60.0	233.2	**17.0**																			93
155	90	98	0.0	161.9	**14.9**	*																														98
155	90	100					29.4	205.0	**19.1**		43.7	220.8	**17.3**		54.8	228.8	**15.4**																			100
155	90	110					10.8	177.8	**16.8**		33.5	208.3	**15.2**		46.5	220.5	**13.5**																			110
155	90	112					0.0	160.8	**16.5**										55.0	224.5	**11.5**															112
155	90	120									19.1	188.1	**13.5**		36.9	209.3	**12.0**		48.9	218.6	**10.5**															120
155	90	125									0.0	158.6	**12.7**																							125
155	90	130													24.4	192.5	**10.7**		39.8	208.3	**9.3**															130
155	90	131																					50.0	214.1	**7.9**											131
155	90	138													0.0	155.3	**9.7**																			138
155	90	140																	28.4	193.5	**8.3**		42.0	205.4	**7.1**											140
155	90	150																	7.7	162.9	**7.4**		31.4	192.0	**6.3**											150
155	90	151																	0.0	150.8	**7.4**															151
155	90	160																					15.2	168.7	**5.7**											160
155	90	163																					0.0	145.2	**5.4**											163
155	100	34	75.0	258.5	**34.2**	*																														34
155	100	35	74.4	258.2	**34.0**	*																														35
155	100	40	71.4	256.7	**32.6**	*																														40
155	100	50	65.2	252.7	**29.4**	*																														50

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	
155	100	56					70.0	254.8	**30.5**	*															56
155	100	60	58.7	247.4	**26.7**	*	67.4	253.2	**29.3**	*															60
155	100	70	51.8	240.4	**24.3**	*	61.1	248.3	**26.6**	*															70
155	100	77									65.0	249.2	**23.6**												77
155	100	80	44.0	231.4	**22.1**	*	54.3	242.0	**24.3**	*	63.2	247.9	**22.5**												80
155	100	90	35.0	219.3	**20.5**	*	46.8	233.8	**21.7**		56.6	242.1	**19.5**												90
155	100	98													60.0	241.9	**15.5**								98
155	100	100	23.2	201.3	**19.1**	*	38.4	222.9	**18.9**		49.4	234.6	**17.0**		58.7	240.7	**15.1**								100
155	100	108	0.0	161.9	**12.9**	*																			108
155	100	110					27.9	207.6	**16.7**		41.4	224.7	**15.0**		51.7	233.8	**13.3**								110
155	100	118																	55.0	232.7	**10.4**				118
155	100	120					10.3	178.7	**14.8**		31.7	211.2	**13.3**		44.0	224.7	**11.7**		53.7	231.4	**10.2**				120
155	100	122					0.0	160.8	**14.5**																122
155	100	130									18.1	189.7	**11.8**		35.0	212.6	**10.4**		46.2	223.0	**9.1**				130
155	100	135									0.0	158.6	**11.2**												135
155	100	137																					50.0	221.8	**7.0**	137
155	100	140													23.2	194.6	**9.3**		37.6	211.8	**8.1**		48.0	219.5	**6.8**	140
155	100	148													0.0	155.3	**8.5**								148
155	100	150																	26.9	196.0	**7.2**		39.8	209.1	**6.1**	150
155	100	160																	7.3	163.5	**6.4**		29.7	194.7	**5.4**	160
155	100	161																	0.0	150.8	**6.4**					161
155	100	170																					14.4	170.0	**4.8**	170
155	100	173																					0.0	145.2	**4.6**	173
155	110	37	75.0	268.1	**31.4**	*																			37
155	110	40	73.2	267.1	**30.6**	*																			40
155	110	50	67.6	263.6	**27.7**	*																			50
155	110	59					70.0	264.2	**27.8**	*															59
155	110	60	61.9	258.9	**25.1**	*	69.6	263.9	**27.6**	*															60
155	110	70	55.8	252.8	**22.9**	*	63.9	259.6	**25.1**	*															70
155	110	80	49.2	245.1	**20.9**	*	57.9	254.1	**23.0**	*															80
155	110	81									65.0	258.3	**22.0**												81
155	110	90	41.9	235.3	**19.3**	*	51.6	247.0	**21.0**	*	60.0	253.9	**19.3**												90
155	110	100	33.4	222.4	**17.9**	*	44.5	238.0	**18.7**		53.8	247.3	**16.8**												100
155	110	103													60.0	250.5	**14.2**								103
155	110	110	22.2	203.3	**16.7**	*	36.5	226.3	**16.5**		47.0	239.0	**14.7**		55.7	246.2	**13.0**								110

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																														Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees										
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)									
155	110	118	0.0	161.9	**11.2**	*																											118
155	110	120					26.6	210.0	**14.6**		39.4	228.4	**13.0**		49.2	238.5	**11.5**																120
155	110	124																	55.0	240.9	**9.4**												124
155	110	130					9.8	179.6	**13.0**		30.2	214.0	**11.6**		41.8	228.6	**10.2**		51.0	236.3	**8.8**												130
155	110	132					0.0	160.8	**12.8**																								132
155	110	140									17.3	191.3	**10.4**		33.3	215.6	**9.1**		44.0	227.1	**7.8**												140
155	110	144																					50.0	229.4	**6.2**								144
155	110	145									0.0	158.6	**9.9**																				145
155	110	150													22.1	196.6	**8.2**		35.8	215.2	**7.0**		45.7	223.9	**5.8**								150
155	110	158													0.0	155.3	**7.5**																158
155	110	160																	25.6	198.3	**6.2**		37.8	212.7	**5.1**								160
155	110	170																	7.0	164.2	**5.6**		28.3	197.3	**4.6**								170
155	110	171																	0.0	150.8	**5.5**												171
155	110	180																					13.7	171.3	**4.0**								180
155	110	183																					0.0	145.2	**3.9**								183
155	120	39	75.0	277.8	**28.8**	*																											39
155	120	40	74.6	277.6	**28.6**	*																											40
155	120	50	69.6	274.3	**26.0**	*																											50
155	120	60	64.4	270.1	**23.6**	*																											60
155	120	63					70.0	273.6	**25.2**	*																							63
155	120	70	59.0	264.7	**21.4**	*	66.2	270.6	**23.6**	*																							70
155	120	80	53.2	258.0	**19.7**	*	60.9	265.7	**21.5**	*																							80
155	120	86									65.0	267.4	**20.3**																				86
155	120	90	47.0	249.6	**18.2**	*	55.3	259.4	**19.8**	*	62.7	265.2	**19.0**																				90
155	120	100	40.0	239.1	**16.8**	*	49.2	251.7	**18.3**	*	57.2	259.5	**16.5**																				100
155	120	108													60.0	259.2	**13.0**																108
155	120	110	31.9	225.3	**15.7**	*	42.6	242.0	**16.2**		51.3	252.3	**14.5**		58.9	258.0	**12.7**																110
155	120	120	21.2	205.3	**14.5**	*	34.9	229.5	**14.4**		44.9	243.3	**12.8**		53.2	251.3	**11.2**																120
155	120	128	0.0	161.9	**9.7**	*																											128
155	120	130					25.4	212.3	**12.9**		37.6	231.9	**11.4**		46.9	242.9	**9.9**		55.0	249.1	**8.5**												130
155	120	140					9.4	180.4	**11.5**		28.9	216.6	**10.2**		40.0	232.4	**8.8**		48.7	240.9	**7.5**												140
155	120	142					0.0	160.8	**11.2**	*																							142
155	120	150									16.5	192.7	**9.2**		31.8	218.6	**7.9**		42.0	231.0	**6.7**		50.0	237.1	**5.5**								150
155	120	155									0.0	158.6	**8.7**																				155
155	120	160													21.1	198.5	**7.1**		34.3	218.3	**6.0**		43.6	228.0	**4.9**								160

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
155	120	168													0.0	155.3	**6.5**									168
155	120	170																	24.5	200.6	**5.3**		36.2	216.0	**4.3**		170
155	120	180																	6.7	164.8	**4.7**		27.1	199.8	**3.8**		180
155	120	181																	0.0	150.8	**4.7**						181
155	120	190																					13.1	172.4	**3.3**		190
155	120	193																					0.0	145.2	**3.2**		193
155	130	42	75.0	287.4	**25.6**	*																					42
155	130	50	71.2	284.9	**24.3**	*																					50
155	130	60	66.5	281.1	**22.0**	*																					60
155	130	66					70.0	283.0	**22.9**	*																	66
155	130	70	61.6	276.2	**20.1**	*	68.1	281.5	**22.0**	*																	70
155	130	80	56.4	270.2	**18.5**	*	63.3	277.0	**20.2**	*																	80
155	130	90	51.0	262.8	**17.1**	*	58.3	271.4	**18.6**	*	65.0	276.4	**18.8**														90
155	130	100	45.0	253.8	**15.8**	*	52.9	264.5	**17.2**	*	60.0	271.2	**16.2**														100
155	130	110	38.4	242.6	**14.7**	*	47.2	256.2	**15.9**	*	54.7	264.8	**14.2**														110
155	130	113													60.0	267.8	**11.9**										113
155	130	120	30.6	228.1	**13.7**	*	40.8	245.8	**14.2**		49.1	256.9	**12.6**		56.4	263.5	**10.9**										120
155	130	130	20.4	207.1	**12.5**	*	33.5	232.6	**12.7**		43.0	247.3	**11.2**		50.9	256.2	**9.7**										130
155	130	135																	55.0	257.2	**7.7**						135
155	130	138	0.0	161.9	**8.4**	*																					138
155	130	140					24.4	214.5	**11.4**		36.1	235.2	**10.0**		45.0	247.2	**8.6**		52.5	253.9	**7.2**						140
155	130	150					9.0	181.2	**10.2**		27.8	219.2	**8.9**		38.4	235.9	**7.7**		46.7	245.3	**6.4**						150
155	130	152					0.0	160.8	**9.8**	*																	152
155	130	157																					50.0	244.7	**4.8**		157
155	130	160									15.9	194.2	**8.1**		30.6	221.4	**6.9**		40.3	234.8	**5.7**		48.1	241.9	**4.6**		160
155	130	165									0.0	158.6	**7.6**														165
155	130	170													20.3	200.3	**6.2**		32.9	221.3	**5.1**		41.8	231.9	**4.0**		170
155	130	178													0.0	155.3	**5.6**										178
155	130	180																	23.5	202.7	**4.5**		34.7	219.2	**3.5**		180
155	130	190																	6.4	165.3	**4.0**		26.0	202.1	**3.1**		190
155	130	191																	0.0	150.8	**4.0**						191
155	130	200																					12.6	173.6	**2.7**		200
155	130	203																					0.0	145.2	**2.6**		203
155	140	44	75.0	297.1	**22.4**	*																					44

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
155	140	50	72.6	295.5	**21.9**	*																				50
155	140	60	68.2	291.9	**20.6**	*																				60
155	140	69					70.0	292.4	**20.7**	*																69
155	140	70	63.8	287.5	**18.8**	*	69.8	292.2	**20.6**	*																70
155	140	80	59.1	282.0	**17.3**	*	65.3	288.1	**18.9**	*																80
155	140	90	54.2	275.4	**16.0**	*	60.8	283.0	**17.4**	*																90
155	140	94									65.0	285.5	**17.4**													94
155	140	100	49.0	267.5	**14.8**	*	55.9	276.8	**16.1**	*	62.3	282.6	**16.0**													100
155	140	110	43.3	257.9	**13.7**	*	50.8	269.4	**14.9**	*	57.6	276.8	**14.0**													110
155	140	118													60.0	276.5	**10.9**									118
155	140	120	37.0	246.0	**12.8**	*	45.3	260.4	**13.8**	*	52.6	269.8	**12.3**		59.1	275.4	**10.7**									120
155	140	130	29.5	230.8	**11.9**	*	39.3	249.4	**12.4**		47.2	261.4	**10.9**		54.2	268.8	**9.4**									130
155	140	140	19.6	208.9	**10.8**	*	32.3	235.6	**11.1**		41.4	251.2	**9.7**		49.0	260.8	**8.3**									140
155	140	141																	55.0	265.4	**6.9**					141
155	140	148	0.0	161.9	**7.2**	*																				148
155	140	150					23.5	216.6	**10.0**		34.7	238.4	**8.7**		43.3	251.2	**7.4**		50.4	258.7	**6.2**					150
155	140	160					8.7	182.0	**9.1**		26.7	221.6	**7.8**		36.9	239.3	**6.6**		44.9	249.6	**5.4**					160
155	140	162					0.0	160.8	**8.5**	*																162
155	140	163																					50.0	252.4	**4.1**		163
155	140	170									15.3	195.5	**7.1**		29.4	224.0	**5.9**		38.8	238.4	**4.8**		46.2	246.3	**3.7**	170
155	140	175									0.0	158.7	**6.7**													175
155	140	180													19.5	202.1	**5.3**		31.6	224.2	**4.3**		40.2	235.6	**3.2**	180
155	140	188													0.0	155.3	**4.8**									188
155	140	190																	22.7	204.7	**3.8**		33.4	222.3	**2.8**	190
155	140	200																	6.2	165.9	**3.3**		25.0	204.4	**2.4**	200
155	140	201																	0.0	150.8	**3.3**					201
155	140	210																					12.2	174.7	**2.1**	210
155	140	213																					0.0	145.2	**2.0**	213
155	150	47	75.0	306.8	**19.5**	*																				47
155	150	50	73.8	305.9	**19.3**	*																				50
155	150	60	69.8	302.6	**18.3**	*																				60
155	150	70	65.6	298.5	**17.3**	*																				70
155	150	73					70.0	301.8	**18.7**	*																73
155	150	80	61.4	293.5	**16.1**	*	67.1	299.0	**17.7**	*																80
155	150	90	56.9	287.6	**14.9**	*	62.9	294.3	**16.3**	*																90

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																														Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees										
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)									
155	150	98									65.0	294.6	**16.1**																				98
155	150	100	52.2	280.4	**13.8**	*	58.5	288.7	**15.0**	*	64.3	293.8	**15.7**																				100
155	150	110	47.2	272.0	**12.7**	*	53.9	282.0	**13.9**	*	60.0	288.5	**13.7**																				110
155	150	120	41.8	261.8	**11.7**	*	49.0	274.1	**12.9**	*	55.5	282.2	**12.1**																				120
155	150	123													60.0	285.2	**10.0**																123
155	150	130	35.7	249.3	**10.8**	*	43.7	264.5	**12.0**	*	50.7	274.7	**10.7**		56.9	280.9	**9.1**																130
155	150	140	28.5	233.3	**10.0**	*	37.9	252.9	**10.9**		45.5	265.7	**9.5**		52.2	273.8	**8.1**																140
155	150	147																	55.0	273.6	**6.1**												147
155	150	150	18.9	210.6	**9.3**	*	31.1	238.4	**9.8**		39.9	254.9	**8.5**		47.2	265.3	**7.2**		53.5	271.4	**5.9**												150
155	150	158	0.0	161.9	**6.1**	*																											158
155	150	160					22.7	218.7	**8.9**		33.5	241.5	**7.6**		41.7	255.1	**6.4**		48.6	263.3	**5.2**												160
155	150	170					8.4	182.7	**8.0**		25.8	223.9	**6.8**		35.6	242.6	**5.7**		43.3	253.6	**4.6**		50.0	260.1	**3.5**								170
155	150	172					0.0	160.8	**7.3**	*																							172
155	150	180									14.8	196.9	**6.2**		28.4	226.6	**5.1**		37.4	241.8	**4.0**		44.6	250.4	**3.0**								180
155	150	185									0.0	158.7	**5.8**																				185
155	150	190													18.9	203.8	**4.5**		30.5	227.0	**3.5**		38.8	239.2	**2.5**								190
155	150	198													0.0	155.3	**4.1**																198
155	150	200																	21.9	206.7	**3.1**		32.3	225.2	**2.2**								200
155	150	210																	6.0	166.4	**2.7**												210
155	150	211																	0.0	150.8	**2.7**												211
155	160	49	75.0	316.4	**16.9**	*																											49
155	160	50	74.8	316.3	**16.9**	*																											50
155	160	60	71.1	313.2	**16.1**	*																											60
155	160	70	67.2	309.4	**15.2**	*																											70
155	160	76					70.0	311.2	**16.9**	*																							76
155	160	80	63.3	304.8	**14.3**	*	68.6	309.8	**16.4**	*																							80
155	160	90	59.2	299.3	**13.3**	*	64.7	305.5	**15.1**	*																							90
155	160	100	55.0	292.9	**12.3**	*	60.7	300.3	**14.0**	*																							100
155	160	103									65.0	303.6	**14.9**																				103
155	160	110	50.4	285.2	**11.3**	*	56.5	294.2	**12.9**	*	62.0	299.9	**13.5**																				110
155	160	120	45.6	276.2	**10.4**	*	52.1	287.0	**12.0**	*	57.9	294.1	**11.8**																				120
155	160	128													60.0	293.8	**9.1**																128
155	160	130	40.4	265.5	**9.6**	*	47.4	278.5	**11.1**	*	53.6	287.3	**10.4**		59.2	292.7	**8.9**																130
155	160	140	34.5	252.5	**8.8**	*	42.3	268.5	**10.3**	*	49.0	279.3	**9.3**		54.9	286.2	**7.8**																140
155	160	150	27.5	235.8	**8.2**	*	36.6	256.3	**9.6**		44.0	269.8	**8.3**		50.4	278.6	**6.9**																150

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																														Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees										
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)									
155	160	153																	55.0	281.8	**5.4**												153
155	160	160	18.3	212.2	**7.8**	*	30.1	241.1	**8.6**		38.6	258.4	**7.4**		45.6	269.6	**6.1**		51.7	276.3	**4.9**												160
155	160	168	0.0	161.9	**5.1**	*																											168
155	160	170					22.0	220.7	**7.8**		32.4	244.4	**6.6**		40.3	258.8	**5.4**		47.0	267.7	**4.3**												170
155	160	176																					50.0	267.7	**2.9**								176
155	160	180					8.1	183.5	**7.0**		25.0	226.2	**5.9**		34.4	245.8	**4.8**		41.9	257.5	**3.7**		48.1	264.2	**2.7**								180
155	160	182					0.0	160.9	**6.3**	*																							182
155	160	190									14.3	198.1	**5.3**		27.5	229.1	**4.3**		36.2	245.2	**3.3**		43.1	254.5	**2.3**								190
155	160	195									0.0	158.7	**5.0**																				195
155	160	200													18.3	205.4	**3.8**		29.6	229.7	**2.8**												200
155	160	208													0.0	155.3	**3.4**																208
155	160	210																	21.2	208.6	**2.4**												210
155	160	220																	5.8	166.9	**2.1**												220
155	160	221																	0.0	150.8	**2.1**												221
165	110	37	75.0	278.1	**28.9**	*																											37
165	110	40	73.2	277.1	**28.2**	*																											40
165	110	50	67.6	273.6	**25.6**	*																											50
165	110	60	61.9	268.9	**23.3**	*	70.0	274.2	**25.6**	*																							60
165	110	70	55.8	262.8	**21.2**	*	64.4	270.0	**23.4**	*																							70
165	110	80	49.2	255.1	**19.5**	*	58.5	264.6	**21.3**	*																							80
165	110	83									65.0	268.2	**21.1**																				83
165	110	90	41.9	245.3	**18.1**	*	52.1	257.6	**19.7**	*	61.0	264.7	**19.0**																				90
165	110	100	33.4	232.4	**16.8**	*	45.2	248.8	**18.2**	*	54.9	258.4	**16.5**																				100
165	110	106													60.0	260.2	**13.3**																106
165	110	110	22.2	213.3	**15.7**	*	37.3	237.4	**16.4**		48.2	250.5	**14.5**		57.3	257.5	**12.6**																110
165	110	118	0.0	171.9	**11.3**	*																											118
165	110	120					27.6	221.7	**14.5**		40.8	240.3	**12.8**		50.9	250.3	**11.1**																120
165	110	127																	55.0	250.3	**8.6**												127
165	110	130					12.2	194.0	**13.0**		32.0	226.7	**11.4**		43.8	241.1	**9.9**		53.3	248.3	**8.3**												130
165	110	132					0.0	170.8	**12.0**	*																							132
165	110	140									20.1	206.3	**10.2**		35.7	229.1	**8.8**		46.5	239.9	**7.4**												140
165	110	147									0.0	168.5	**9.5**																				147
165	110	148																					50.0	238.5	**5.4**								148
165	110	150													25.4	212.1	**7.9**		38.8	229.0	**6.6**		48.7	236.8	**5.3**								150
165	110	160													6.2	176.8	**7.1**		29.5	214.3	**5.9**		41.3	226.8	**4.7**								160

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																														Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees										
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)									
165	110	161													0.0	164.9	**7.0**																161
165	110	170																	16.0	190.4	**5.2**		32.6	213.6	**4.1**								170
165	110	174																	0.0	160.2	**5.0**												174
165	110	180																					21.1	193.8	**3.6**								180
165	110	187																					0.0	154.3	**3.3**								187
165	120	39	75.0	287.8	**25.9**	*																											39
165	120	40	74.6	287.6	**25.8**	*																											40
165	120	50	69.6	284.3	**24.0**	*																											50
165	120	60	64.4	280.1	**21.8**	*																											60
165	120	63					70.0	283.6	**23.3**	*																							63
165	120	70	59.0	274.7	**20.0**	*	66.7	281.0	**21.9**	*																							70
165	120	80	53.2	268.0	**18.4**	*	61.4	276.1	**20.1**	*																							80
165	120	87									65.0	277.2	**19.5**																				87
165	120	90	47.0	259.6	**17.0**	*	55.8	270.0	**18.5**	*	63.6	276.0	**18.7**																				90
165	120	100	40.0	249.1	**15.7**	*	49.8	262.4	**17.1**	*	58.2	270.4	**16.2**																				100
165	120	110	31.9	235.3	**14.7**	*	43.2	252.9	**15.9**	*	52.3	263.5	**14.2**																				110
165	120	111													60.0	268.8	**12.2**																111
165	120	120	21.2	215.3	**13.8**	*	35.6	240.7	**14.3**		46.0	254.8	**12.6**		54.7	262.8	**10.8**																120
165	120	128	0.0	171.9	**9.8**	*																											128
165	120	130					26.4	224.1	**12.8**		39.0	243.9	**11.2**		48.6	254.9	**9.6**																130
165	120	133																	55.0	258.5	**7.7**												133
165	120	140					11.7	195.1	**11.5**		30.6	229.5	**10.0**		41.9	245.0	**8.5**		50.9	253.2	**7.1**												140
165	120	142					0.0	170.8	**10.5**	*																							142
165	120	150									19.2	208.0	**9.0**		34.1	232.2	**7.6**		44.4	244.1	**6.3**												150
165	120	154																					50.0	246.2	**4.7**								154
165	120	157									0.0	168.5	**8.4**																				157
165	120	160													24.3	214.3	**6.8**		37.1	232.5	**5.6**		46.5	241.2	**4.4**								160
165	120	170													6.0	177.4	**6.1**		28.2	216.9	**5.0**		39.5	230.5	**3.9**								170
165	120	171													0.0	164.9	**6.1**																171
165	120	180																	15.3	191.8	**4.4**		31.2	216.4	**3.4**								180
165	120	184																	0.0	160.2	**4.2**												184
165	120	190																					20.2	195.6	**3.0**								190
165	120	197																					0.0	154.3	**2.6**								197
165	130	42	75.0	297.4	**22.7**	*																											42

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
165	130	50	71.2	294.9	**21.9**	*																									50
165	130	60	66.5	291.1	**20.4**	*																									60
165	130	67					70.0	293.0	**21.0**	*																					67
165	130	70	61.6	286.2	**18.7**	*	68.6	291.8	**20.5**	*																					70
165	130	80	56.4	280.2	**17.2**	*	63.7	287.4	**18.9**	*																					80
165	130	90	51.0	272.8	**15.9**	*	58.7	281.9	**17.4**	*																					90
165	130	92									65.0	286.3	**18.0**																		92
165	130	100	45.0	263.8	**14.7**	*	53.4	275.2	**16.1**	*	60.9	282.0	**16.0**																		100
165	130	110	38.4	252.6	**13.7**	*	47.7	266.9	**14.9**	*	55.7	275.8	**14.0**																		110
165	130	116													60.0	277.5	**11.2**														116
165	130	120	30.6	238.1	**12.8**	*	41.4	256.8	**13.8**	*	50.1	268.3	**12.3**		57.8	274.9	**10.6**														120
165	130	130	20.4	217.1	**12.0**	*	34.2	243.9	**12.6**		44.1	259.0	**10.9**		52.4	267.9	**9.3**														130
165	130	138	0.0	171.9	**8.4**	*																									138
165	130	139																	55.0	266.6	**6.9**										139
165	130	140					25.3	226.4	**11.3**		37.4	247.4	**9.8**		46.6	259.3	**8.3**		54.4	265.8	**6.8**										140
165	130	150					11.2	196.1	**10.1**		29.4	232.2	**8.8**		40.2	248.8	**7.4**		48.7	257.9	**6.0**										150
165	130	152					0.0	170.8	**9.1**	*																					152
165	130	160									18.5	209.6	**7.9**		32.7	235.2	**6.6**		42.6	248.1	**5.3**										160
165	130	161																					50.0	253.8	**4.0**						161
165	130	167									0.0	168.5	**7.3**																		167
165	130	170													23.4	216.4	**5.9**		35.6	235.8	**4.7**		44.6	245.4	**3.6**						170
165	130	180													5.7	177.9	**5.3**		27.1	219.3	**4.2**		37.9	234.0	**3.1**						180
165	130	181													0.0	164.9	**5.2**														181
165	130	190																	14.7	193.1	**3.7**		30.0	219.1	**2.7**						190
165	130	194																	0.0	160.2	**3.5**										194
165	130	200																					19.4	197.4	**2.3**						200
165	130	207																					0.0	154.3	**2.0**						207
165	140	44	75.0	307.1	**19.9**	*																									44
165	140	50	72.6	305.5	**19.4**	*																									50
165	140	60	68.2	301.9	**18.4**	*																									60
165	140	70	63.8	297.5	**17.3**	*	70.0	302.3	**19.1**	*																					70
165	140	80	59.1	292.0	**16.1**	*	65.7	298.4	**17.6**	*																					80
165	140	90	54.2	285.4	**14.8**	*	61.2	293.4	**16.3**	*																					90
165	140	96									65.0	295.3	**16.6**																		96
165	140	100	49.0	277.5	**13.7**	*	56.4	287.4	**15.0**	*	63.1	293.3	**15.7**																		100

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
165	140	110	43.3	267.9	**12.7**	*	51.3	280.1	**13.9**	*	58.4	287.7	**13.7**													110
165	140	120	37.0	256.0	**11.7**	*	45.8	271.2	**12.9**	*	53.5	281.0	**12.1**													120
165	140	121													60.0	286.2	**10.2**									121
165	140	130	29.5	240.8	**10.9**	*	39.8	260.5	**12.0**	*	48.2	272.8	**10.7**		55.5	280.3	**9.1**									130
165	140	140	19.6	218.9	**10.3**	*	32.9	246.9	**11.1**		42.4	263.0	**9.5**		50.3	272.7	**8.0**									140
165	140	144																	55.0	274.8	**6.2**					144
165	140	148	0.0	171.9	**7.3**	*																				148
165	140	150					24.4	228.6	**9.9**		36.0	250.7	**8.5**		44.8	263.5	**7.1**		52.2	270.8	**5.7**					150
165	140	160					10.8	197.0	**9.0**		28.3	234.8	**7.7**		38.6	252.3	**6.3**		46.8	262.3	**5.1**					160
165	140	162					0.0	170.8	**7.9**	*																162
165	140	167																					50.0	261.5	**3.4**	167
165	140	170									17.8	211.2	**6.9**		31.5	238.1	**5.7**		40.9	251.9	**4.5**		48.6	259.2	**3.3**	170
165	140	177									0.0	168.5	**6.4**													177
165	140	180													22.5	218.5	**5.1**		34.2	238.9	**3.9**		42.9	249.4	**2.8**	180
165	140	190													5.5	178.4	**4.5**		26.1	221.7	**3.5**		36.4	237.4	**2.4**	190
165	140	191													0.0	164.9	**4.5**									191
165	140	200																	14.1	194.4	**3.0**		28.8	221.8	**2.0**	200
165	140	204																	0.0	160.2	**2.8**					204
165	150	47	75.0	316.8	**17.3**	*																				47
165	150	50	73.8	315.9	**17.1**	*																				50
165	150	60	69.8	312.6	**16.2**	*																				60
165	150	70	65.6	308.5	**15.3**	*																				70
165	150	74					70.0	311.7	**17.2**	*																74
165	150	80	61.4	303.5	**14.3**	*	67.5	309.3	**16.4**	*																80
165	150	90	56.9	297.6	**13.3**	*	63.2	304.7	**15.1**	*																90
165	150	100	52.2	290.4	**12.3**	*	58.9	299.2	**14.0**	*	65.0	304.4	**15.3**	*												100
165	150	110	47.2	282.0	**11.3**	*	54.3	292.6	**13.0**	*	60.7	299.3	**13.4**													110
165	150	120	41.8	271.8	**10.4**	*	49.4	284.8	**12.0**	*	56.3	293.2	**11.8**													120
165	150	126													60.0	294.8	**9.3**									126
165	150	130	35.7	259.3	**9.6**	*	44.2	275.4	**11.2**	*	51.5	285.9	**10.4**		58.1	292.2	**8.8**									130
165	150	140	28.5	243.3	**9.0**	*	38.4	264.0	**10.4**	*	46.5	277.2	**9.3**		53.4	285.4	**7.7**									140
165	150	150	18.9	220.6	**8.5**	*	31.8	249.8	**9.7**		40.9	266.8	**8.3**		48.5	277.3	**6.9**		55.0	283.0	**5.4**					150
165	150	158	0.0	171.9	**6.2**	*																				158
165	150	160					23.5	230.7	**8.8**		34.7	253.9	**7.4**		43.2	267.6	**6.1**		50.3	275.6	**4.8**					160
165	150	170					10.4	198.0	**7.7**	*	27.3	237.2	**6.7**		37.3	255.8	**5.4**		45.2	266.5	**4.2**					170

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
165	150	172					0.0	170.8	**6.8**	*																					172
165	150	174																					50.0	269.1	**2.8**						174
165	150	180									17.2	212.8	**6.0**		30.4	240.9	**4.8**		39.5	255.5	**3.7**		46.8	263.6	**2.5**						180
165	150	187									0.0	168.5	**5.6**																		187
165	150	190													21.7	220.4	**4.3**		33.0	241.9	**3.2**		41.3	253.3	**2.1**						190
165	150	200													5.3	178.8	**3.8**		25.2	223.9	**2.8**										200
165	150	201													0.0	164.9	**3.8**														201
165	150	210																	13.7	195.6	**2.4**										210
165	150	214																	0.0	160.2	**2.2**										214
165	160	49	75.0	326.4	**14.9**	*																									49
165	160	50	74.8	326.3	**14.8**	*																									50
165	160	60	71.1	323.2	**14.2**	*																									60
165	160	70	67.2	319.4	**13.4**	*																									70
165	160	77					70.0	321.1	**15.5**	*																					77
165	160	80	63.3	314.8	**12.6**	*	68.9	320.1	**15.2**	*																					80
165	160	90	59.2	309.3	**11.7**	*	65.0	315.8	**14.0**	*																					90
165	160	100	55.0	302.9	**10.8**	*	61.0	310.8	**13.0**	*																					100
165	160	104									65.0	313.5	**13.8**	*																	104
165	160	110	50.4	295.2	**10.0**	*	56.8	304.7	**12.0**	*	62.7	310.7	**13.2**																		110
165	160	120	45.6	286.2	**9.2**	*	52.4	297.6	**11.1**	*	58.6	305.1	**11.6**																		120
165	160	130	40.4	275.5	**8.4**	*	47.8	289.3	**10.3**	*	54.3	298.4	**10.2**																		130
165	160	131													60.0	303.5	**8.4**														131
165	160	140	34.5	262.5	**7.8**	*	42.7	279.4	**9.6**	*	49.8	290.6	**9.0**		56.1	297.6	**7.5**														140
165	160	150	27.5	245.8	**7.3**	*	37.2	267.4	**8.9**	*	44.9	281.4	**8.1**		51.6	290.3	**6.6**														150
165	160	156																	55.0	291.2	**4.8**										156
165	160	160	18.3	222.2	**6.9**	*	30.7	252.6	**8.4**	*	39.6	270.4	**7.2**		46.9	281.7	**5.8**		53.2	288.3	**4.5**										160
165	160	168	0.0	171.9	**5.2**	*																									168
165	160	170					22.8	232.7	**7.7**		33.6	256.9	**6.4**		41.8	271.5	**5.2**		48.6	280.2	**3.9**										170
165	160	180					10.1	198.9	**6.6**	*	26.4	239.6	**5.8**		36.1	259.1	**4.6**		43.7	270.6	**3.4**										180
165	160	182					0.0	170.8	**5.8**	*																					182
165	160	190									16.6	214.3	**5.2**		29.4	243.5	**4.0**		38.2	259.1	**2.9**										190
165	160	197									0.0	168.5	**4.8**																		197
165	160	200													21.0	222.3	**3.6**		32.0	244.8	**2.5**										200
165	160	210													5.2	179.3	**3.1**		24.4	226.1	**2.1**										210
165	160	211													0.0	165.0	**3.1**														211

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Luffing Jib Only Lengths - Over End Blocked Capacities						
Luffing Boom Length	Luffing Boom Angles					
	90	85	80	75	70	65
	Allowable Luffing Jib Length					
85'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'
95'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'
105'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'
115'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'
125'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'
135'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'
145'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'
155'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'	80' - 160'
165'	110' - 160'	110' - 160'	110' - 160'	110' - 160'	110' - 160'	110' - 160'

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees							
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)					
85	80	29	75.0	169.1	**54.0**	*																			29
85	80	30	74.1	168.8	**52.7**	*																			30
85	80	35	70.4	167.2	**48.3**	*																			35
85	80	40	66.5	165.2	**43.8**	*																			40
85	80	43					70.0	166.3	**47.2**	*															43
85	80	50	58.4	160.0	**38.5**	*	64.5	163.3	**41.3**	*															50
85	80	57									65.0	162.2	**41.1**	*											57
85	80	60	49.6	152.8	**35.0**	*	56.2	157.6	**36.4**	*	62.3	160.5	**39.2**	*											60
85	80	70	39.3	142.6	**33.0**	*	47.1	149.7	**33.2**	*	53.8	154.3	**34.5**	*	60.0	156.9	**35.3**								70
85	80	80	26.0	127.0	**26.7**	*	36.3	138.4	**31.5**	*	44.4	145.6	**30.9**		51.3	150.0	**29.7**								80
85	80	83																55.0	150.5	**27.3**					83
85	80	88	0.0	91.9	**15.6**	*																			88
85	80	90					21.4	120.3	**25.6**	*	32.9	133.1	**26.6**		41.3	140.5	**25.5**	48.4	144.8	**24.5**					90
85	80	95					0.0	91.1	**17.8**	*											50.0	143.0	**22.1**		95
85	80	100									15.2	110.7	**23.2**		28.9	126.3	**22.4**	37.9	134.1	**21.5**	45.1	138.4	**20.6**		100
85	80	103									0.0	89.7	**20.1**	*											103
85	80	110													0.0	87.7	**19.8**	23.9	117.4	**19.0**	33.8	126.3	**18.2**		110
85	80	117																0.0	85.0	**17.5**					117
85	80	120																			17.2	105.3	**16.2**		120
85	80	124																			0.0	81.7	**15.6**		124
85	90	31	75.0	178.8	**49.3**	*																			31
85	90	35	72.6	177.8	**46.3**	*																			35
85	90	40	69.3	176.0	**42.1**	*																			40
85	90	46					70.0	175.7	**42.1**	*															46
85	90	50	62.3	171.5	**36.5**	*	67.5	174.2	**39.7**	*															50
85	90	60	54.8	165.4	**32.8**	*	60.4	169.3	**34.5**	*															60
85	90	61									65.0	171.2	**37.1**	*											61
85	90	70	46.6	157.2	**30.3**	*	52.7	162.7	**31.1**	*	58.4	166.3	**32.9**	*											70
85	90	75													60.0	165.6	**32.0**								75
85	90	80	37.0	146.0	**28.3**	*	44.2	153.9	**28.8**	*	50.5	159.2	**29.7**	*	56.2	162.4	**29.4**								80
85	90	88																55.0	158.7	**24.8**					88
85	90	90	24.5	129.2	**22.5**	*	34.1	141.6	**27.4**		41.7	149.6	**26.4**		48.1	154.7	**25.3**	53.8	157.6	**24.2**					90
85	90	98	0.0	91.9	**13.4**	*																			98
85	90	100					20.1	122.1	**22.4**	*	30.9	135.9	**23.0**		38.9	144.1	**22.2**	45.5	149.1	**21.3**					100
85	90	101																			50.0	150.7	**20.0**		101

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees							
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)					
85	90	105				0.0	91.1	**15.4**	*																105
85	90	110								14.3	112.0	**20.4**		27.2	128.8	**19.6**		35.7	137.4	**18.8**		42.4	142.4	**18.0**	110
85	90	113								0.0	89.7	**17.4**	*												113
85	90	120												0.0	87.7	**17.5**		22.5	119.5	**16.7**		31.9	129.2	**16.0**	120
85	90	127																0.0	85.0	**15.5**					127
85	90	130																				16.2	106.8	**14.3**	130
85	90	134																				0.0	81.7	**13.8**	134
85	100	34	75.0	188.5	**44.4**	*																			34
85	100	35	74.4	188.2	**43.7**	*																			35
85	100	40	71.4	186.7	**40.4**	*																			40
85	100	50	65.2	182.7	**34.8**	*	70.0	185.1	**38.3**	*															50
85	100	60	58.7	177.4	**31.0**	*	63.6	180.7	**33.1**	*															60
85	100	65									65.0	180.3	**33.6**	*											65
85	100	70	51.8	170.4	**28.3**	*	57.0	174.9	**29.4**	*	61.8	177.8	**31.5**	*											70
85	100	80	44.0	161.4	**26.4**	*	49.8	167.5	**26.9**	*	55.1	171.7	**28.0**	*	60.0	174.2	**29.2**								80
85	100	90	35.0	149.3	**23.8**	*	41.8	157.8	**25.2**	*	47.8	163.7	**25.7**	*	53.1	167.6	**25.0**								90
85	100	94																55.0	166.9	**22.6**					94
85	100	100	23.2	131.3	**19.8**	*	32.3	144.6	**23.2**	*	39.5	153.2	**22.8**		45.5	159.0	**22.0**	50.9	162.5	**21.1**					100
85	100	108	0.0	91.9	**11.6**	*																50.0	158.3	**18.2**	108
85	100	110				19.1	123.8	**19.2**	*	29.3	138.6	**20.3**		36.8	147.6	**19.4**		43.0	153.2	**18.6**		48.4	156.5	**17.7**	110
85	100	115				0.0	91.1	**13.4**	*																115
85	100	120								13.6	113.2	**18.1**		25.8	131.1	**17.3**		33.8	140.6	**16.5**		40.1	146.2	**15.8**	120
85	100	123								0.0	89.7	**15.2**	*												123
85	100	130												0.0	87.7	**15.5**		21.4	121.4	**14.8**		30.2	132.0	**14.1**	130
85	100	137																0.0	85.0	**13.8**					137
85	100	140																				15.3	108.2	**12.7**	140
85	100	144																				0.0	81.7	**12.3**	144
85	110	37	75.0	198.1	**40.8**	*																			37
85	110	40	73.2	197.1	**38.7**	*																			40
85	110	50	67.6	193.6	**33.3**	*																			50
85	110	53				70.0	194.5	**34.9**	*																53
85	110	60	61.9	188.9	**29.4**	*	66.1	191.7	**31.7**	*															60
85	110	69								65.0	189.4	**30.4**	*												69
85	110	70	55.8	182.8	**26.6**	*	60.3	186.7	**27.9**	*	64.6	189.0	**30.1**	*											70

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
85	110	80	49.2	175.1	**24.6**	*	54.1	180.2	**25.4**	*	58.7	183.6	**26.8**	*											80
85	110	85													60.0	182.9	**26.7**								85
85	110	90	41.9	165.3	**23.1**	*	47.4	172.0	**23.4**	*	52.3	176.8	**24.2**	*	56.9	179.8	**24.8**								90
85	110	100	33.4	152.4	**21.0**	*	39.8	161.5	**21.7**	*	45.4	168.0	**21.9**	*	50.4	172.4	**21.8**		55.0	175.1	**20.8**				100
85	110	110	22.2	133.3	**17.0**	*	30.8	147.4	**20.5**	*	37.6	156.7	**20.1**		43.3	163.1	**19.2**		48.3	167.2	**18.3**				110
85	110	114																					50.0	166.0	**16.6**		114
85	110	118	0.0	91.9	**10.0**	*																			118
85	110	120					18.2	125.5	**16.5**	*	27.9	141.2	**17.9**		35.0	150.8	**17.1**		40.9	157.0	**16.3**		46.0	160.8	**15.5**		120
85	110	125					0.0	91.1	**11.6**	*															125
85	110	130									13.0	114.3	**16.0**	*	24.5	133.3	**15.3**		32.2	143.5	**14.6**		38.2	149.8	**13.9**		130
85	110	133									0.0	89.7	**13.3**	*											133
85	110	140													0.0	87.7	**13.8**		20.4	123.3	**13.1**		28.7	134.6	**12.5**		140
85	110	147																	0.0	85.0	**12.3**						147
85	110	150																					14.6	109.5	**11.3**		150
85	110	154																					0.0	81.7	**10.9**		154
85	120	39	75.0	207.8	**37.5**	*																			39
85	120	40	74.6	207.6	**37.0**	*																			40
85	120	50	69.6	204.3	**31.9**	*																			50
85	120	57					70.0	203.9	**31.8**	*															57
85	120	60	64.4	200.1	**28.0**	*	68.2	202.5	**30.3**	*															60
85	120	70	59.0	194.7	**25.2**	*	63.0	198.0	**26.7**	*															70
85	120	73									65.0	198.4	**27.6**	*											73
85	120	80	53.2	188.0	**23.0**	*	57.5	192.3	**24.0**	*	61.5	195.2	**25.6**	*											80
85	120	90	47.0	179.6	**21.0**	*	51.6	185.2	**21.5**	*	55.9	189.1	**22.3**	*	60.0	191.6	**24.4**	*							90
85	120	100	40.0	169.1	**20.0**	*	45.2	176.3	**20.1**	*	50.0	181.6	**20.6**	*	54.3	185.1	**21.5**	*							100
85	120	106																	55.0	183.3	**19.1**				106
85	120	110	31.9	155.3	**18.0**	*	38.1	165.1	**19.2**	*	43.4	172.1	**19.3**	*	48.2	177.0	**19.0**		52.5	180.1	**18.1**				110
85	120	120	21.2	135.3	**14.6**	*	29.5	150.1	**17.6**	*	35.9	160.1	**17.7**		41.4	166.9	**16.9**		46.2	171.5	**16.1**				120
85	120	121																					50.0	173.6	**15.2**		121
85	120	128	0.0	91.9	**8.6**	*																			128
85	120	130					17.4	127.0	**14.3**	*	26.7	143.6	**15.8**		33.5	153.9	**15.1**		39.1	160.7	**14.4**		43.9	165.0	**13.6**		130
85	120	135					0.0	91.1	**10.1**	*															135
85	120	140									12.4	115.5	**13.8**	*	23.5	135.5	**13.6**		30.8	146.3	**12.9**		36.5	153.1	**12.3**		140
85	120	143									0.0	89.7	**11.6**	*											143
85	120	150													0.0	87.7	**12.3**		19.5	125.0	**11.7**		27.5	137.1	**11.1**		150

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
85	120	157																	0.0	85.0	**10.9**					157
85	120	160																					14.0	110.7	**10.1**	160
85	120	164																					0.0	81.8	**9.7**	164
85	130	42	75.0	217.4	**34.3**	*																				42
85	130	50	71.2	214.9	**30.4**	*																				50
85	130	60	66.5	211.1	**26.7**	*	70.0	213.3	**28.9**	*																60
85	130	70	61.6	206.2	**23.8**	*	65.2	209.1	**25.5**	*																70
85	130	78									65.0	207.5	**25.0**	*												78
85	130	80	56.4	200.2	**21.2**	*	60.3	204.0	**22.1**	*	63.9	206.4	**24.4**	*												80
85	130	90	51.0	192.8	**19.7**	*	55.0	197.6	**20.3**	*	58.9	201.0	**21.3**	*												90
85	130	95													60.0	200.2	**21.5**	*								95
85	130	100	45.0	183.8	**18.5**	*	49.5	189.9	**18.8**	*	53.6	194.3	**19.4**	*	57.4	197.1	**20.4**	*								100
85	130	110	38.4	172.6	**17.7**	*	43.4	180.4	**17.7**	*	47.9	186.1	**18.0**	*	52.0	190.1	**18.7**	*								110
85	130	111																	55.0	191.5	**17.5**					111
85	130	120	30.6	158.1	**15.4**	*	36.5	168.4	**16.9**	*	41.6	176.0	**17.0**	*	46.2	181.4	**16.6**		50.3	184.9	**15.8**					120
85	130	127																					50.0	181.3	**13.8**	127
85	130	130	20.4	137.1	**12.6**	*	28.3	152.7	**15.2**	*	34.5	163.2	**15.6**		39.7	170.6	**14.9**		44.2	175.7	**14.1**		48.3	178.8	**13.4**	130
85	130	138	0.0	91.9	**7.4**	*																				138
85	130	140					16.7	128.5	**12.4**	*	25.6	145.9	**14.1**		32.2	156.8	**13.4**		37.5	164.1	**12.7**		42.1	168.9	**12.0**	140
85	130	145					0.0	91.1	**8.8**	*																145
85	130	150									11.9	116.5	**12.0**	*	22.6	137.5	**12.1**		29.5	149.0	**11.5**		35.0	156.4	**10.9**	150
85	130	153									0.0	89.7	**10.1**	*												153
85	130	160													0.0	87.7	**11.0**		18.7	126.7	**10.4**		26.4	139.5	**9.8**	160
85	130	167																	0.0	85.0	**9.7**					167
85	130	170																					13.4	111.9	**8.9**	170
85	130	174																					0.0	81.8	**8.6**	174
85	140	44	75.0	227.1	**31.3**	*																				44
85	140	50	72.6	225.5	**28.9**	*																				50
85	140	60	68.2	221.9	**25.4**	*																				60
85	140	63					70.0	222.7	**26.3**	*																63
85	140	70	63.8	217.5	**22.0**	*	67.1	220.1	**24.3**	*																70
85	140	80	59.1	212.0	**20.1**	*	62.6	215.4	**21.1**	*																80
85	140	82									65.0	216.6	**22.1**	*												82
85	140	90	54.2	205.4	**18.5**	*	57.9	209.6	**19.2**	*	61.3	212.5	**20.3**	*												90

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
85	140	100	49.0	197.5	**17.3**	*	52.9	202.7	**17.7**	*	56.5	206.5	**18.4**	*	60.0	208.9	**19.5**	*													100
85	140	110	43.3	187.9	**16.3**	*	47.6	194.4	**16.5**	*	51.5	199.2	**16.9**	*	55.1	202.5	**17.7**	*													110
85	140	117																	55.0	199.7	**16.1**										117
85	140	120	37.0	176.0	**15.7**	*	41.7	184.3	**15.6**	*	46.0	190.4	**15.8**	*	50.0	194.8	**16.3**	*	53.6	197.6	**15.6**										120
85	140	130	29.5	160.8	**13.3**	*	35.1	171.7	**15.0**	*	40.0	179.7	**15.0**	*	44.4	185.6	**14.6**		48.3	189.5	**13.9**										130
85	140	133																					50.0	189.0	**12.6**						133
85	140	140	19.6	138.9	**10.9**	*	27.2	155.1	**13.1**	*	33.2	166.3	**13.9**		38.2	174.2	**13.2**		42.6	179.7	**12.5**		46.5	183.2	**11.8**						140
85	140	148	0.0	91.9	**6.3**	*																									148
85	140	150					16.1	130.0	**10.7**	*	24.7	148.2	**12.6**		31.0	159.7	**11.9**		36.1	167.5	**11.2**		40.5	172.7	**10.6**						150
85	140	155					0.0	91.1	**7.5**	*																					155
85	140	160									11.5	117.5	**10.4**	*	21.7	139.5	**10.8**		28.4	151.6	**10.2**		33.7	159.4	**9.6**						160
85	140	163									0.0	89.7	**8.8**	*																	163
85	140	170													0.0	87.7	**9.6**	*	18.0	128.3	**9.3**		25.4	141.8	**8.7**						170
85	140	177																	0.0	85.0	**8.7**										177
85	140	180																					12.9	113.1	**7.9**						180
85	140	184																					0.0	81.8	**7.7**						184
85	150	47	75.0	236.8	**28.6**	*																									47
85	150	50	73.8	235.9	**27.4**	*																									50
85	150	60	69.8	232.6	**24.1**	*																									60
85	150	67					70.0	232.1	**23.9**	*																					67
85	150	70	65.6	228.5	**20.9**	*	68.7	230.8	**23.0**	*																					70
85	150	80	61.4	223.5	**18.9**	*	64.5	226.5	**20.1**	*																					80
85	150	86									65.0	225.6	**20.0**	*																	86
85	150	90	56.9	217.6	**17.4**	*	60.2	221.3	**18.1**	*	63.4	223.8	**19.3**	*																	90
85	150	100	52.2	210.4	**16.1**	*	55.7	215.0	**16.6**	*	59.0	218.3	**17.5**	*																	100
85	150	105													60.0	217.5	**17.6**	*													105
85	150	110	47.2	202.0	**15.1**	*	51.0	207.6	**15.4**	*	54.5	211.7	**15.9**	*	57.7	214.5	**16.8**	*													110
85	150	120	41.8	191.8	**14.3**	*	45.8	198.7	**14.5**	*	49.6	203.9	**14.8**	*	53.1	207.6	**15.4**	*													120
85	150	123																	55.0	207.8	**14.8**										123
85	150	130	35.7	179.3	**13.6**	*	40.2	188.0	**13.7**	*	44.4	194.6	**13.9**	*	48.2	199.4	**14.2**	*	51.6	202.6	**13.6**										130
85	150	140	28.5	163.3	**11.5**	*	33.9	174.8	**13.2**	*	38.6	183.3	**13.2**	*	42.8	189.6	**12.9**		46.6	193.9	**12.2**		50.0	196.6	**11.5**						140
85	150	150	18.9	140.6	**9.4**	*	26.3	157.5	**11.4**	*	32.0	169.2	**12.3**		36.8	177.6	**11.7**		41.1	183.5	**11.0**		44.8	187.4	**10.4**						150
85	150	158	0.0	91.9	**5.3**	*																									158
85	150	160					15.6	131.4	**9.3**	*	23.8	150.3	**11.2**		29.9	162.4	**10.6**		34.8	170.7	**10.0**		39.1	176.3	**9.4**						160
85	150	165					0.0	91.1	**6.5**	*																					165

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																							Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
85	150	170									11.1	118.5	**9.0**	*	21.0	141.3	**9.6**		27.4	154.1	**9.0**		32.5	162.4	**8.5**		170
85	150	173									0.0	89.7	**7.6**	*													173
85	150	180													0.0	87.7	**8.3**	*	17.4	129.9	**8.2**		24.5	144.0	**7.7**		180
85	150	187																	0.0	85.0	**7.7**						187
85	150	190																					12.5	114.2	**7.0**		190
85	150	194																					0.0	81.8	**6.8**		194
85	160	49	75.0	246.4	**26.0**	*																					49
85	160	50	74.8	246.3	**25.9**	*																					50
85	160	60	71.1	243.2	**22.2**	*																					60
85	160	70	67.2	239.4	**19.8**	*	70.0	241.4	**21.2**	*																	70
85	160	80	63.3	234.8	**17.9**	*	66.2	237.5	**19.0**	*																	80
85	160	90	59.2	229.3	**16.3**	*	62.3	232.7	**17.2**	*	65.0	234.7	**18.2**	*													90
85	160	100	55.0	222.9	**15.1**	*	58.1	227.0	**15.6**	*	61.2	229.8	**16.5**	*													100
85	160	110	50.4	215.2	**14.0**	*	53.8	220.2	**14.4**	*	57.0	223.8	**15.0**	*	60.0	226.2	**15.9**	*									110
85	160	120	45.6	206.2	**13.2**	*	49.2	212.3	**13.5**	*	52.6	216.8	**13.9**	*	55.7	219.9	**14.5**	*									120
85	160	129																	55.0	216.0	**13.6**						129
85	160	130	40.4	195.5	**12.6**	*	44.3	202.9	**12.7**	*	47.9	208.5	**12.9**	*	51.3	212.5	**13.3**	*	54.4	215.1	**13.4**						130
85	160	140	34.5	182.5	**11.7**	*	38.9	191.6	**12.1**	*	42.9	198.6	**12.2**	*	46.5	203.8	**12.4**	*	49.9	207.3	**12.0**						140
85	160	146																					50.0	204.3	**10.5**		146
85	160	150	27.5	165.8	**9.9**	*	32.8	177.8	**11.6**	*	37.3	186.7	**11.6**	*	41.4	193.4	**11.4**		45.0	198.1	**10.8**		48.3	201.2	**10.1**		150
85	160	160	18.3	142.2	**8.1**	*	25.4	159.8	**9.8**	*	31.0	172.0	**11.0**		35.6	180.8	**10.4**		39.7	187.2	**9.7**		43.3	191.5	**9.1**		160
85	160	168	0.0	91.9	**4.4**	*																					168
85	160	170					15.1	132.7	**8.0**	*	23.1	152.4	**9.7**	*	28.9	165.0	**9.4**		33.7	173.7	**8.8**		37.8	179.8	**8.2**		170
85	160	175					0.0	91.1	**5.5**	*																	175
85	160	180									10.7	119.5	**7.8**	*	20.3	143.2	**8.6**		26.6	156.5	**8.0**		31.5	165.3	**7.5**		180
85	160	183									0.0	89.7	**6.6**	*													183
85	160	190													0.0	87.7	**7.2**	*	16.9	131.4	**7.3**		23.8	146.2	**6.8**		190
85	160	197																	0.0	85.0	**6.8**						197
85	160	200																					12.1	115.3	**6.2**		200
85	160	204																					0.0	81.8	**6.0**		204
95	80	29	75.0	179.1	**53.1**	*																					29
95	80	30	74.1	178.8	**52.0**	*																					30
95	80	35	70.4	177.2	**47.7**	*																					35
95	80	40	66.5	175.2	**43.3**	*																					40

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees							
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)					
95	80	44				70.0	176.2	**46.6** *																	44
95	80	50	58.4	170.0	**38.2** *	65.1	173.7	**41.5** *																	50
95	80	58							65.0	172.0	**40.7** *														58
95	80	60	49.6	162.8	**34.8** *	57.0	168.1	**36.4** *	63.7	171.2	**39.8** *														60
95	80	70	39.3	152.6	**32.8** *	47.9	160.4	**33.3** *	55.4	165.4	**34.9** *														70
95	80	72										60.0	166.6	**33.2**											72
95	80	80	26.0	137.0	**26.7** *	37.3	149.6	**31.5** *	46.1	157.2	**30.7**	53.6	161.7	**29.3**											80
95	80	86													55.0	159.9	**25.4**								86
95	80	88	0.0	101.9	**16.0** *																				88
95	80	90				23.0	132.4	**26.2** *	35.1	145.5	**26.4**	44.1	152.9	**25.2**	51.6	157.1	**24.1**								90
95	80	96				0.0	101.1	**18.2** *																	96
95	80	99																50.0	152.1	**20.4**					99
95	80	100							19.4	126.1	**23.0**	32.5	140.3	**22.2**	41.7	147.6	**21.1**	49.3	151.4	**20.1**					100
95	80	104							0.0	99.5	**20.5** *														104
95	80	110										14.5	117.3	**19.5**	29.4	133.6	**18.7**	38.9	141.1	**17.8**					110
95	80	112										0.0	97.3	**18.9**											112
95	80	120													5.0	101.3	**16.6**	25.5	125.2	**15.8**					120
95	80	128																0.0	90.8	**14.5**					128
95	90	31	75.0	188.8	**48.5** *																				31
95	90	35	72.6	187.8	**44.9** *																				35
95	90	40	69.3	186.0	**41.5** *																				40
95	90	47				70.0	185.6	**41.5** *																	47
95	90	50	62.3	181.5	**36.2** *	68.1	184.5	**39.8** *																	50
95	90	60	54.8	175.4	**32.6** *	61.0	179.8	**34.6** *																	60
95	90	63							65.0	181.1	**36.7** *														63
95	90	70	46.6	167.2	**30.1** *	53.4	173.3	**31.1** *	59.7	177.2	**33.3** *														70
95	90	77										60.0	175.2	**30.2**											77
95	90	80	37.0	156.0	**28.3** *	45.0	164.7	**28.8** *	52.0	170.4	**29.9** *	58.2	173.8	**29.0**											80
95	90	90	24.5	139.2	**22.5** *	35.1	152.8	**27.4**	43.3	161.3	**26.2**	50.3	166.6	**25.0**											90
95	90	92													55.0	168.1	**23.1**								92
95	90	98	0.0	101.9	**13.8** *																				98
95	90	100				21.7	134.3	**22.3** *	33.0	148.6	**22.8**	41.4	156.9	**21.9**	48.4	161.7	**20.9**								100
95	90	106				0.0	101.1	**15.8** *										50.0	159.7	**18.5**					106
95	90	110							18.3	127.7	**20.3**	30.6	143.1	**19.4**	39.2	151.3	**18.4**	46.3	155.8	**17.5**					110
95	90	114							0.0	99.5	**17.8** *														114

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																							Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
95	90	120													13.6	118.5	**17.2**		27.7	136.2	**16.4**		36.6	144.5	**15.6**		120
95	90	122													0.0	97.3	**16.7**										122
95	90	130																	4.7	101.7	**14.7**		24.0	127.4	**14.0**		130
95	90	138																					0.0	90.8	**12.8**		138
95	100	34	75.0	198.5	**43.7**	*																					34
95	100	35	74.4	198.2	**43.0**	*																					35
95	100	40	71.4	196.7	**39.8**	*																					40
95	100	50	65.2	192.7	**34.4**	*																					50
95	100	51					70.0	195.0	**37.8**	*																	51
95	100	60	58.7	187.4	**30.7**	*	64.1	191.0	**33.1**	*																	60
95	100	67									65.0	190.2	**33.2**	*													67
95	100	70	51.8	180.4	**28.0**	*	57.6	185.5	**29.4**	*	63.0	188.6	**31.9**	*													70
95	100	80	44.0	171.4	**26.2**	*	50.5	178.2	**26.9**	*	56.3	182.7	**28.3**	*													80
95	100	82													60.0	183.9	**27.6**										82
95	100	90	35.0	159.3	**23.8**	*	42.6	168.7	**25.1**	*	49.1	175.1	**25.9**	*	54.9	179.1	**24.7**										90
95	100	98																	55.0	176.3	**21.3**						98
95	100	100	23.2	141.3	**19.8**	*	33.3	155.9	**23.6**	*	41.0	165.1	**22.6**		47.6	171.1	**21.7**		53.3	174.6	**20.6**						100
95	100	108	0.0	101.9	**11.9**	*																					108
95	100	110					20.6	136.2	**19.6**	*	31.3	151.5	**20.1**		39.2	160.5	**19.1**		45.8	166.1	**18.2**						110
95	100	112																					50.0	167.4	**16.8**		112
95	100	116					0.0	101.1	**13.7**	*																	116
95	100	120									17.3	129.3	**17.9**		29.0	145.8	**17.0**		37.2	154.8	**16.2**		43.8	160.0	**15.3**		120
95	100	124									0.0	99.5	**15.6**	*													124
95	100	130													12.9	119.7	**15.3**		26.2	138.6	**14.5**		34.7	147.7	**13.7**		130
95	100	132													0.0	97.3	**14.9**										132
95	100	140																	4.4	102.1	**13.1**		22.8	129.5	**12.4**		140
95	100	148																					0.0	90.8	**11.4**		148
95	110	37	75.0	208.1	**40.1**	*																					37
95	110	40	73.2	207.1	**38.1**	*																					40
95	110	50	67.6	203.6	**32.9**	*																					50
95	110	54					70.0	204.4	**34.4**	*																	54
95	110	60	61.9	198.9	**29.1**	*	66.6	202.0	**31.6**	*																	60
95	110	70	55.8	192.8	**26.4**	*	60.8	197.1	**27.9**	*																	70
95	110	71									65.0	199.2	**30.0**	*													71

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
95	110	80	49.2	185.1	**24.3**	*	54.7	190.8	**25.3**	*	59.7	194.5	**27.0**	*																	80
95	110	87													60.0	192.6	**25.3**														87
95	110	90	41.9	175.3	**22.9**	*	48.0	182.8	**23.4**	*	53.5	187.9	**24.3**	*	58.5	191.1	**24.4**														90
95	110	100	33.4	162.4	**21.0**	*	40.5	172.5	**21.6**	*	46.7	179.6	**22.0**	*	52.2	184.2	**21.5**														100
95	110	103																	55.0	184.5	**19.5**										103
95	110	110	22.2	143.3	**17.0**	*	31.7	158.8	**20.9**		39.0	168.8	**19.9**		45.2	175.4	**18.9**		50.7	179.5	**17.9**										110
95	110	118	0.0	101.9	**10.3**	*																	50.0	175.1	**15.3**						118
95	110	120					19.6	138.0	**16.9**	*	29.8	154.2	**17.7**		37.3	164.0	**16.8**		43.6	170.2	**15.9**		49.0	173.8	**15.1**						120
95	110	126					0.0	101.1	**12.0**	*																					126
95	110	130									16.5	130.8	**15.9**		27.6	148.3	**15.1**		35.4	158.0	**14.3**		41.6	163.9	**13.5**						130
95	110	134									0.0	99.6	**13.6**	*																	134
95	110	140													12.3	120.8	**13.6**		25.0	140.8	**12.9**		33.0	150.8	**12.1**						140
95	110	142													0.0	97.3	**13.2**														142
95	110	150																	4.2	102.5	**11.6**		21.7	131.4	**11.0**						150
95	110	158																					0.0	90.8	**10.2**						158
95	120	39	75.0	217.8	**36.8**	*																									39
95	120	40	74.6	217.6	**36.3**	*																									40
95	120	50	69.6	214.3	**31.4**	*																									50
95	120	57					70.0	213.8	**31.3**	*																					57
95	120	60	64.4	210.1	**27.6**	*	68.7	212.8	**30.2**	*																					60
95	120	70	59.0	204.7	**24.9**	*	63.5	208.4	**26.7**	*																					70
95	120	75									65.0	208.3	**27.2**	*																	75
95	120	80	53.2	198.0	**22.3**	*	58.0	202.8	**23.9**	*	62.5	205.9	**25.8**	*																	80
95	120	90	47.0	189.6	**20.9**	*	52.2	195.8	**21.4**	*	56.9	200.1	**23.1**	*																	90
95	120	92													60.0	201.2	**23.3**														92
95	120	100	40.0	179.1	**19.9**	*	45.8	187.1	**20.0**	*	51.0	192.8	**20.7**	*	55.8	196.5	**21.2**														100
95	120	109																	55.0	192.7	**17.9**										109
95	120	110	31.9	165.3	**17.9**	*	38.7	176.1	**19.1**	*	44.6	183.8	**19.3**	*	49.8	188.9	**18.7**		54.5	192.1	**17.7**										110
95	120	120	21.2	145.3	**14.6**	*	30.3	161.6	**17.9**	*	37.3	172.2	**17.5**		43.2	179.4	**16.6**		48.4	184.1	**15.7**										120
95	120	125																					50.0	182.7	**14.0**						125
95	120	128	0.0	101.9	**8.9**	*																									128
95	120	130					18.8	139.7	**14.6**	*	28.5	156.8	**15.7**		35.7	167.3	**14.9**		41.6	174.1	**14.0**		46.8	178.2	**13.2**						130
95	120	136					0.0	101.1	**10.4**	*																					136
95	120	140									15.8	132.2	**14.2**		26.4	150.7	**13.4**		33.8	161.2	**12.6**		39.8	167.6	**11.9**						140
95	120	144									0.0	99.6	**11.9**	*																	144

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
95	120	150													11.8	121.8	**12.1**		23.9	143.0	**11.4**		31.6	153.6	**10.7**						150
95	120	152													0.0	97.3	**11.8**														152
95	120	160																	4.1	102.9	**10.4**		20.8	133.3	**9.7**						160
95	120	168																					0.0	90.8	**9.0**						168
95	130	42	75.0	227.4	**33.6**	*																									42
95	130	50	71.2	224.9	**29.9**	*																									50
95	130	60	66.5	221.1	**26.2**	*																									60
95	130	61					70.0	223.2	**28.5**	*																					61
95	130	70	61.6	216.2	**23.5**	*	65.6	219.5	**25.4**	*																					70
95	130	79									65.0	217.3	**24.6**	*																	79
95	130	80	56.4	210.2	**21.0**	*	60.7	214.4	**22.1**	*	64.7	217.1	**24.5**	*																	80
95	130	90	51.0	202.8	**19.5**	*	55.5	208.2	**20.2**	*	59.8	211.8	**21.4**	*																	90
95	130	97													60.0	209.9	**21.2**	*													97
95	130	100	45.0	193.8	**18.3**	*	50.0	200.6	**18.7**	*	54.5	205.4	**19.5**	*	58.7	208.4	**20.7**	*													100
95	130	110	38.4	182.6	**17.6**	*	43.9	191.3	**17.6**	*	48.9	197.5	**18.1**	*	53.4	201.7	**18.4**														110
95	130	115																	55.0	200.9	**16.4**										115
95	130	120	30.6	168.1	**15.4**	*	37.1	179.6	**16.9**	*	42.7	187.8	**17.0**	*	47.7	193.5	**16.4**		52.2	197.1	**15.4**										120
95	130	130	20.4	147.1	**12.6**	*	29.1	164.2	**15.4**	*	35.8	175.5	**15.5**		41.4	183.3	**14.6**		46.4	188.5	**13.8**										130
95	130	131																					50.0	190.4	**12.8**						131
95	130	138	0.0	101.9	**7.7**	*																									138
95	130	140					18.0	141.3	**12.6**	*	27.4	159.3	**14.0**		34.2	170.4	**13.2**		39.9	177.8	**12.4**		44.8	182.4	**11.6**						140
95	130	146					0.0	101.1	**9.0**	*																					146
95	130	150									15.2	133.6	**12.6**	*	25.4	153.0	**11.9**		32.5	164.1	**11.2**		38.2	171.1	**10.5**						150
95	130	154									0.0	99.6	**10.4**	*																	154
95	130	160													11.3	122.8	**10.8**		23.0	145.1	**10.1**		30.3	156.4	**9.5**						160
95	130	162													0.0	97.3	**10.5**														162
95	130	170																	3.9	103.2	**9.2**		19.9	135.1	**8.6**						170
95	130	178																					0.0	90.8	**8.0**						178
95	140	44	75.0	237.1	**30.7**	*																									44
95	140	50	72.6	235.5	**28.4**	*																									50
95	140	60	68.2	231.9	**24.9**	*																									60
95	140	64					70.0	232.6	**25.9**	*																					64
95	140	70	63.8	227.5	**21.7**	*	67.5	230.4	**24.1**	*																					70
95	140	80	59.1	222.0	**19.8**	*	63.0	225.8	**21.0**	*																					80

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																							Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
95	140	84									65.0	226.4	**21.7**	*												84
95	140	90	54.2	215.4	**18.3**	*	58.3	220.1	**19.1**	*	62.1	223.3	**20.4**	*												90
95	140	100	49.0	207.5	**17.1**	*	53.3	213.3	**17.6**	*	57.4	217.5	**18.5**	*												100
95	140	102													60.0	218.5	**19.2**	*								102
95	140	110	43.3	197.9	**16.1**	*	48.0	205.2	**16.4**	*	52.4	210.4	**17.0**	*	56.4	213.9	**17.9**	*								110
95	140	120	37.0	186.0	**15.5**	*	42.3	195.2	**15.5**	*	47.0	201.9	**15.9**	*	51.3	206.6	**16.1**									120
95	140	121																	55.0	209.1	**15.1**					121
95	140	130	29.5	170.8	**13.3**	*	35.7	182.9	**14.9**	*	41.1	191.6	**15.0**	*	45.9	197.8	**14.4**		50.2	201.9	**13.5**					130
95	140	138																					50.0	198.0	**11.7**	138
95	140	140	19.6	148.9	**10.9**	*	28.0	166.8	**13.3**	*	34.4	178.7	**13.7**		39.9	187.0	**12.9**		44.6	192.7	**12.2**		48.8	196.1	**11.4**	140
95	140	148	0.0	101.9	**6.5**	*																				148
95	140	150					17.4	142.8	**10.9**	*	26.3	161.7	**12.4**		33.0	173.5	**11.7**		38.4	181.4	**11.0**		43.1	186.5	**10.2**	150
95	140	156					0.0	101.1	**7.8**	*																156
95	140	160									14.6	134.9	**10.9**	*	24.4	155.2	**10.6**		31.2	167.0	**9.9**		36.7	174.5	**9.3**	160
95	140	164									0.0	99.6	**9.1**	*												164
95	140	170													10.9	123.8	**9.6**		22.1	147.1	**9.0**		29.2	159.1	**8.4**	170
95	140	172													0.0	97.3	**9.4**									172
95	140	180																	3.8	103.5	**8.2**		19.2	136.8	**7.6**	180
95	140	188																					0.0	90.8	**7.1**	188
95	150	47	75.0	246.8	**28.0**	*																				47
95	150	50	73.8	245.9	**26.8**	*																				50
95	150	60	69.8	242.6	**23.6**	*																				60
95	150	68					70.0	242.0	**23.5**	*																68
95	150	70	65.6	238.5	**20.5**	*	69.1	241.1	**22.3**	*																70
95	150	80	61.4	233.5	**18.7**	*	64.9	236.9	**19.9**	*																80
95	150	88									65.0	235.5	**19.7**	*												88
95	150	90	56.9	227.6	**17.1**	*	60.6	231.7	**18.0**	*	64.1	234.5	**19.3**	*												90
95	150	100	52.2	220.4	**15.9**	*	56.1	225.6	**16.5**	*	59.8	229.2	**17.5**	*												100
95	150	107													60.0	227.2	**17.4**	*								107
95	150	110	47.2	212.0	**14.9**	*	51.4	218.3	**15.3**	*	55.3	222.8	**16.0**	*	58.9	225.7	**17.0**	*								110
95	150	120	41.8	201.8	**14.2**	*	46.3	209.5	**14.4**	*	50.5	215.2	**14.8**	*	54.3	219.2	**15.5**	*								120
95	150	126																	55.0	217.2	**13.9**					126
95	150	130	35.7	189.3	**13.6**	*	40.8	199.0	**13.6**	*	45.3	206.2	**13.9**	*	49.5	211.3	**14.2**		53.3	214.6	**13.3**					130
95	150	140	28.5	173.3	**11.5**	*	34.5	186.0	**13.1**	*	39.7	195.3	**13.2**	*	44.2	201.9	**12.7**		48.3	206.4	**11.9**					140
95	150	144																					50.0	205.7	**10.6**	144

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)							
95	150	150	18.9	150.6	**9.4**	*	27.0	169.2	**11.5**	*	33.2	181.7	**12.2**		38.5	190.6	**11.5**		43.0	196.7	**10.7**		47.0	200.6	**10.0**							150
95	150	158	0.0	101.9	**5.5**	*																										158
95	150	160					16.8	144.3	**9.5**	*	25.4	163.9	**11.1**		31.8	176.4	**10.4**		37.1	184.8	**9.7**		41.6	190.3	**9.0**							160
95	150	166					0.0	101.1	**6.7**	*																						166
95	150	170									14.1	136.1	**9.5**	*	23.6	157.3	**9.4**		30.2	169.7	**8.8**		35.4	177.8	**8.2**							170
95	150	174									0.0	99.6	**7.9**	*																		174
95	150	180													10.5	124.7	**8.6**		21.4	149.0	**8.0**		28.2	161.6	**7.4**							180
95	150	182													0.0	97.4	**8.3**	*														182
95	150	190																	3.6	103.9	**7.3**		18.5	138.5	**6.7**							190
95	150	198																					0.0	90.8	**6.2**							198
95	160	49	75.0	256.4	**25.4**	*																										49
95	160	50	74.8	256.3	**25.3**	*																										50
95	160	60	71.1	253.2	**21.8**	*																										60
95	160	70	67.2	249.4	**19.4**	*																										70
95	160	71					70.0	251.4	**20.8**	*																						71
95	160	80	63.3	244.8	**17.6**	*	66.6	247.9	**18.9**	*																						80
95	160	90	59.2	239.3	**16.1**	*	62.6	243.1	**17.0**	*																						90
95	160	92									65.0	244.5	**17.9**	*																		92
95	160	100	55.0	232.9	**14.8**	*	58.5	237.5	**15.5**	*	61.9	240.6	**16.6**	*																		100
95	160	110	50.4	225.2	**13.8**	*	54.2	230.8	**14.3**	*	57.7	234.8	**15.1**	*																		110
95	160	112													60.0	235.9	**15.6**	*														112
95	160	120	45.6	216.2	**13.0**	*	49.6	223.0	**13.3**	*	53.4	227.9	**13.8**	*	56.9	231.3	**14.7**	*														120
95	160	130	40.4	205.5	**12.4**	*	44.8	213.7	**12.6**	*	48.8	219.9	**12.9**	*	52.5	224.2	**13.5**	*														130
95	160	132																	55.0	225.4	**12.7**											132
95	160	140	34.5	192.5	**11.7**	*	39.4	202.6	**11.9**	*	43.8	210.3	**12.1**	*	47.8	215.8	**12.5**		51.5	219.5	**11.7**											140
95	160	150	27.5	175.8	**9.9**	*	33.4	189.1	**11.5**	*	38.4	198.8	**11.5**	*	42.8	205.9	**11.2**		46.7	210.8	**10.5**											150
95	160	151																					50.0	213.4	**9.7**							151
95	160	160	18.3	152.2	**8.1**	*	26.2	171.6	**9.9**	*	32.2	184.7	**10.9**		37.2	194.0	**10.2**		41.6	200.5	**9.4**		45.5	204.8	**8.8**							160
95	160	168	0.0	101.9	**4.6**	*																										168
95	160	170					16.2	145.8	**8.1**	*	24.6	166.2	**9.9**		30.8	179.2	**9.2**		35.8	188.1	**8.5**		40.2	194.0	**7.9**							170
95	160	176					0.0	101.1	**5.7**	*																						176
95	160	180									13.7	137.4	**8.1**	*	22.8	159.4	**8.4**		29.2	172.4	**7.7**		34.3	180.9	**7.1**							180
95	160	184									0.0	99.6	**6.8**	*																		184
95	160	190													10.2	125.6	**7.6**		20.7	150.9	**7.0**		27.3	164.1	**6.5**							190
95	160	192													0.0	97.4	**7.1**	*														192

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																					Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	
95	160	200																	3.5	104.2	**6.4**		17.9	140.1	**5.9**		200
95	160	208																					0.0	90.8	**5.4**		208
105	80	29	75.0	189.1	**52.2**	*																					29
105	80	30	74.1	188.8	**51.1**	*																					30
105	80	35	70.4	187.2	**47.0**	*																					35
105	80	40	66.5	185.2	**42.8**	*																					40
105	80	45					70.0	186.2	**46.0**	*																	45
105	80	50	58.4	180.0	**37.8**	*	65.8	184.0	**41.5**	*																	50
105	80	60	49.6	172.8	**34.5**	*	57.7	178.6	**36.4**	*	65.0	181.9	**40.3**	*													60
105	80	70	39.3	162.6	**32.6**	*	48.7	171.2	**33.2**	*	56.9	176.4	**35.3**	*													70
105	80	75													60.0	176.2	**31.3**										75
105	80	80	26.0	147.0	**26.6**	*	38.3	160.6	**31.3**	*	47.8	168.7	**30.4**		55.9	173.2	**28.9**										80
105	80	88	0.0	111.9	**16.3**	*																					88
105	80	90					24.6	144.3	**26.8**	*	37.2	157.7	**26.2**		46.7	165.2	**24.9**		55.0	169.3	**23.7**						90
105	80	97					0.0	111.0	**18.6**	*																	97
105	80	100									22.8	140.4	**22.8**		35.8	153.8	**21.9**		45.3	160.6	**20.7**						100
105	80	103																					50.0	161.1	**18.8**		103
105	80	106									0.0	109.4	**20.9**	*													106
105	80	110													20.6	135.1	**19.3**		34.1	148.6	**18.3**		43.5	155.0	**17.3**		110
105	80	115													0.0	107.0	**18.1**										115
105	80	120																	17.5	127.9	**16.3**		31.8	142.0	**15.4**		120
105	80	124																	0.0	103.8	**15.6**						124
105	80	130																					12.9	117.7	**13.8**		130
105	80	132																					0.0	99.9	**13.5**		132
105	90	31	75.0	198.8	**47.7**	*																					31
105	90	35	72.6	197.8	**44.2**	*																					35
105	90	40	69.3	196.0	**40.9**	*																					40
105	90	48					70.0	195.6	**41.0**	*																	48
105	90	50	62.3	191.5	**35.7**	*	68.7	194.9	**39.7**	*																	50
105	90	60	54.8	185.4	**32.2**	*	61.6	190.2	**34.6**	*																	60
105	90	64									65.0	190.9	**36.3**	*													64
105	90	70	46.6	177.2	**29.8**	*	54.1	183.9	**31.1**	*	60.9	188.0	**33.7**	*													70
105	90	80	37.0	166.0	**28.3**	*	45.8	175.5	**28.7**	*	53.3	181.6	**30.1**	*	60.0	184.9	**28.6**										80
105	90	90	24.5	149.2	**22.5**	*	36.1	164.0	**27.3**		44.9	172.9	**25.9**		52.4	178.3	**24.6**										90

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
105	90	95																	55.0	177.5	**21.8**					
105	90	98	0.0	111.9	**14.1**	*																				98
105	90	100					23.2	146.4	**22.7**	*	35.0	161.0	**22.6**		43.9	169.3	**21.6**		51.3	174.0	**20.5**					100
105	90	107					0.0	111.0	**16.1**	*																107
105	90	110									21.5	142.4	**20.1**		33.7	156.9	**19.1**		42.6	164.7	**18.0**		50.0	168.8	**17.1**	110
105	90	116									0.0	109.4	**18.2**	*												116
105	90	120													19.4	136.9	**17.0**		32.1	151.5	**16.1**		40.9	158.8	**15.1**	120
105	90	125													0.0	107.0	**16.0**									125
105	90	130																	16.5	129.4	**14.4**		29.9	144.8	**13.6**	130
105	90	134																	0.0	103.8	**13.8**					134
105	90	140																					12.1	118.8	**12.2**	140
105	90	142																					0.0	99.9	**11.9**	142
105	100	34	75.0	208.5	**42.9**	*																				34
105	100	35	74.4	208.2	**42.2**	*																				35
105	100	40	71.4	206.7	**39.2**	*																				40
105	100	50	65.2	202.7	**33.9**	*																				50
105	100	51					70.0	205.0	**37.2**	*																51
105	100	60	58.7	197.4	**30.3**	*	64.7	201.4	**33.0**	*																60
105	100	68									65.0	200.0	**32.8**	*												68
105	100	70	51.8	190.4	**27.7**	*	58.2	196.0	**29.3**	*	64.1	199.3	**32.2**	*												70
105	100	80	44.0	181.4	**25.9**	*	51.1	188.9	**26.8**	*	57.5	193.7	**28.5**	*												80
105	100	85													60.0	193.6	**26.2**									85
105	100	90	35.0	169.3	**23.8**	*	43.3	179.6	**25.0**	*	50.4	186.4	**25.7**		56.7	190.5	**24.3**									90
105	100	100	23.2	151.3	**19.8**	*	34.2	167.2	**23.6**		42.5	176.9	**22.4**		49.5	183.1	**21.4**									100
105	100	101																	55.0	185.7	**19.9**					101
105	100	108	0.0	111.9	**12.2**	*																				108
105	100	110					22.0	148.4	**20.0**	*	33.1	164.1	**19.9**		41.5	173.2	**18.9**		48.5	178.7	**17.8**					110
105	100	116																					50.0	176.5	**15.5**	116
105	100	117					0.0	111.0	**14.0**	*																117
105	100	120									20.4	144.2	**17.8**		31.9	159.8	**16.8**		40.3	168.4	**15.8**		47.2	173.2	**14.9**	120
105	100	126									0.0	109.4	**15.8**	*												126
105	100	130													18.4	138.5	**15.0**		30.4	154.3	**14.2**		38.7	162.4	**13.3**	130
105	100	135													0.0	107.0	**14.2**									135
105	100	140																	15.7	130.8	**12.8**		28.4	147.4	**12.0**	140
105	100	144																	0.0	103.8	**12.3**					144

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																							Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
105	100	150																					11.5	119.8	**10.8**	150
105	100	152																					0.0	99.9	**10.6**	152
105	110	37	75.0	218.1	**39.3**	*																				37
105	110	40	73.2	217.1	**37.4**	*																				40
105	110	50	67.6	213.6	**32.4**	*																				50
105	110	55					70.0	214.4	**33.8**	*																55
105	110	60	61.9	208.9	**28.7**	*	67.1	212.4	**31.5**	*																60
105	110	70	55.8	202.8	**26.0**	*	61.3	207.5	**27.8**	*																70
105	110	73									65.0	209.1	**29.6**	*												73
105	110	80	49.2	195.1	**24.1**	*	55.2	201.4	**25.2**	*	60.8	205.4	**27.2**	*												80
105	110	90	41.9	185.3	**22.3**	*	48.6	193.5	**23.3**	*	54.6	199.0	**24.4**	*	60.0	202.2	**24.0**									90
105	110	100	33.4	172.4	**21.0**	*	41.2	183.5	**21.5**	*	47.9	191.0	**22.0**	*	53.9	195.8	**21.1**									100
105	110	107																	55.0	193.9	**18.2**					107
105	110	110	22.2	153.3	**16.9**	*	32.5	170.2	**20.8**		40.4	180.7	**19.7**		47.1	187.5	**18.6**		52.9	191.6	**17.5**					110
105	110	118	0.0	111.9	**10.6**	*																				118
105	110	120					20.9	150.3	**17.2**	*	31.6	167.0	**17.6**		39.5	176.9	**16.6**		46.1	183.0	**15.6**					120
105	110	123																					50.0	184.1	**14.2**	123
105	110	127					0.0	111.0	**12.2**	*																127
105	110	130									19.4	146.0	**15.7**		30.4	162.6	**14.8**		38.3	172.0	**13.9**		44.8	177.4	**13.1**	130
105	110	136									0.0	109.4	**13.9**	*												136
105	110	140													17.5	140.1	**13.4**		28.9	157.0	**12.5**		36.9	165.9	**11.7**	140
105	110	145													0.0	107.0	**12.7**									145
105	110	150																	14.9	132.1	**11.3**		27.0	149.8	**10.6**	150
105	110	154																	0.0	103.8	**10.9**					154
105	110	160																					11.0	120.8	**9.6**	160
105	110	162																					0.0	99.9	**9.4**	162
105	120	39	75.0	227.8	**36.0**	*																				39
105	120	40	74.6	227.6	**35.6**	*																				40
105	120	50	69.6	224.3	**30.8**	*																				50
105	120	58					70.0	223.8	**30.8**	*																58
105	120	60	64.4	220.1	**27.2**	*	69.1	223.1	**30.1**	*																60
105	120	70	59.0	214.7	**24.5**	*	63.9	218.8	**26.5**	*																70
105	120	77									65.0	218.1	**26.8**	*												77
105	120	80	53.2	208.0	**22.0**	*	58.5	213.3	**23.8**	*	63.4	216.7	**25.9**	*												80

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
105	120	90	47.0	199.6	**20.6**	*	52.7	206.5	**21.3**	*	57.9	211.1	**23.2**	*											90
105	120	95													60.0	210.9	**22.3**								95
105	120	100	40.0	189.1	**19.7**	*	46.4	197.9	**19.9**	*	52.1	204.1	**20.7**	*	57.3	207.9	**20.9**								100
105	120	110	31.9	175.3	**17.9**	*	39.4	187.2	**19.0**	*	45.8	195.3	**19.3**	*	51.4	200.7	**18.4**								110
105	120	112																	55.0	202.1	**16.7**				112
105	120	120	21.2	155.3	**14.6**	*	31.1	173.0	**18.2**	*	38.6	184.3	**17.3**		45.0	191.8	**16.3**		50.5	196.4	**15.3**						120
105	120	128	0.0	111.9	**9.1**	*																			128
105	120	129																					50.0	191.8	**12.9**		129
105	120	130					20.0	152.1	**14.9**	*	30.2	169.7	**15.5**		37.8	180.4	**14.6**		44.0	187.2	**13.7**		49.5	191.0	**12.8**		130
105	120	137					0.0	111.0	**10.6**	*															137
105	120	140									18.6	147.7	**14.0**		29.1	165.3	**13.2**		36.6	175.4	**12.3**		42.8	181.4	**11.5**		140
105	120	146									0.0	109.4	**12.1**	*											146
105	120	150													16.8	141.6	**11.9**		27.7	159.5	**11.1**		35.3	169.1	**10.4**		150
105	120	155													0.0	107.0	**11.3**								155
105	120	160																	14.3	133.4	**10.1**		25.9	152.2	**9.4**		160
105	120	164																	0.0	103.8	**9.7**						164
105	120	170																					10.5	121.7	**8.5**		170
105	120	172																					0.0	99.9	**8.4**		172
105	130	42	75.0	237.4	**32.9**	*																					42
105	130	50	71.2	234.9	**29.3**	*																					50
105	130	60	66.5	231.1	**25.8**	*																					60
105	130	62					70.0	233.2	**28.0**	*																	62
105	130	70	61.6	226.2	**23.1**	*	66.1	229.8	**25.2**	*																	70
105	130	80	56.4	220.2	**20.7**	*	61.1	224.9	**21.9**	*																	80
105	130	81									65.0	227.2	**24.3**	*													81
105	130	90	51.0	212.8	**19.2**	*	56.0	218.8	**20.1**	*	60.6	222.7	**21.5**	*													90
105	130	100	45.0	203.8	**18.1**	*	50.5	211.3	**18.6**	*	55.5	216.4	**19.5**	*	60.0	219.5	**20.6**										100
105	130	110	38.4	192.6	**17.4**	*	44.5	202.1	**17.5**	*	49.9	208.8	**18.1**	*	54.8	213.2	**18.1**										110
105	130	118																	55.0	210.3	**15.4**						118
105	130	120	30.6	178.1	**15.4**	*	37.8	190.7	**16.7**	*	43.9	199.5	**17.0**	*	49.2	205.4	**16.1**		54.1	209.0	**15.1**						120
105	130	130	20.4	157.1	**12.6**	*	29.9	175.7	**15.7**	*	37.1	187.7	**15.3**		43.1	195.8	**14.4**		48.4	201.0	**13.4**						130
105	130	136																					50.0	199.4	**11.8**		136
105	130	138	0.0	111.9	**7.9**	*																					138
105	130	140					19.2	153.8	**12.9**	*	29.0	172.4	**13.8**		36.2	183.8	**12.9**		42.2	191.1	**12.1**		47.4	195.5	**11.2**		140
105	130	147					0.0	111.0	**9.2**	*																	147

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																							Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
105	130	150									17.9	149.3	**12.5**		27.9	167.8	**11.7**		35.2	178.6	**10.9**		41.1	185.3	**10.1**		150
105	130	156									0.0	109.4	**10.5**	*													156
105	130	160													16.1	143.1	**10.6**		26.6	161.9	**9.9**		33.8	172.2	**9.1**		160
105	130	165													0.0	107.0	**10.1**										165
105	130	170																	13.7	134.6	**9.0**		24.8	154.4	**8.3**		170
105	130	174																	0.0	103.8	**8.6**						174
105	130	180																					10.1	122.6	**7.5**		180
105	130	182																					0.0	99.9	**7.4**		182
105	140	44	75.0	247.1	**30.0**	*																					44
105	140	50	72.6	245.5	**27.8**	*																					50
105	140	60	68.2	241.9	**24.5**	*																					60
105	140	65					70.0	242.6	**25.4**	*																	65
105	140	70	63.8	237.5	**21.3**	*	67.9	240.7	**23.9**	*																	70
105	140	80	59.1	232.0	**19.5**	*	63.4	236.2	**20.9**	*																	80
105	140	85									65.0	236.3	**21.4**	*													85
105	140	90	54.2	225.4	**18.0**	*	58.7	230.6	**18.9**	*	62.9	234.0	**20.4**	*													90
105	140	100	49.0	217.5	**16.8**	*	53.8	223.9	**17.5**	*	58.2	228.4	**18.5**	*													100
105	140	105													60.0	228.2	**19.0**	*									105
105	140	110	43.3	207.9	**15.9**	*	48.5	215.9	**16.3**	*	53.3	221.6	**17.0**	*	57.7	225.2	**17.9**										110
105	140	120	37.0	196.0	**15.3**	*	42.8	206.1	**15.4**	*	48.0	213.4	**15.8**	*	52.7	218.3	**15.8**										120
105	140	124																	55.0	218.5	**14.1**						124
105	140	130	29.5	180.8	**13.3**	*	36.4	194.0	**14.8**	*	42.2	203.4	**14.9**	*	47.3	209.9	**14.1**		52.0	214.0	**13.2**						130
105	140	140	19.6	158.9	**10.9**	*	28.7	178.3	**13.5**	*	35.7	191.0	**13.6**		41.5	199.7	**12.7**		46.6	205.4	**11.8**						140
105	140	142																					50.0	207.1	**10.7**		142
105	140	148	0.0	111.9	**6.7**	*																					148
105	140	150					18.5	155.5	**11.1**	*	27.9	174.9	**12.3**		34.9	187.0	**11.5**		40.6	194.9	**10.6**		45.6	199.8	**9.9**		150
105	140	157					0.0	111.0	**8.0**	*																	157
105	140	160									17.2	150.8	**11.2**		26.9	170.2	**10.4**		33.8	181.7	**9.6**		39.5	188.9	**8.9**		160
105	140	166									0.0	109.4	**9.1**	*													166
105	140	170													15.5	144.5	**9.4**		25.6	164.2	**8.7**		32.6	175.2	**8.1**		170
105	140	175													0.0	107.0	**9.0**										175
105	140	180																	13.2	135.8	**7.9**		23.9	156.6	**7.3**		180
105	140	184																	0.0	103.8	**7.7**						184
105	140	190																					9.7	123.5	**6.6**		190
105	140	192																					0.0	99.9	**6.5**		192

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
105	150	47	75.0	256.8	**27.3**	*																			47
105	150	50	73.8	255.9	**26.2**	*																			50
105	150	60	69.8	252.6	**23.1**	*																			60
105	150	69					70.0	252.0	**23.0**	*															69
105	150	70	65.6	248.5	**20.2**	*	69.4	251.4	**22.1**	*															70
105	150	80	61.4	243.5	**18.3**	*	65.3	247.3	**19.8**	*															80
105	150	90	56.9	237.6	**16.9**	*	61.0	242.2	**17.9**	*	65.0	245.3	**19.4**	*											90
105	150	100	52.2	230.4	**15.7**	*	56.5	236.1	**16.4**	*	60.6	240.0	**17.5**	*											100
105	150	110	47.2	222.0	**14.7**	*	51.8	228.9	**15.2**	*	56.1	233.8	**16.0**	*	60.0	236.9	**17.1**	*							110
105	150	120	41.8	211.8	**14.0**	*	46.8	220.3	**14.2**	*	51.3	226.5	**14.8**	*	55.5	230.6	**15.6**								120
105	150	130	35.7	199.3	**13.5**	*	41.3	210.0	**13.5**	*	46.3	217.7	**13.8**	*	50.8	223.1	**13.9**		55.0	226.6	**13.0**				130
105	150	140	28.5	183.3	**11.4**	*	35.1	197.2	**13.0**	*	40.7	207.2	**13.1**	*	45.6	214.2	**12.5**		50.1	218.8	**11.6**				140
105	150	148																					50.0	214.8	**9.8**		148
105	150	150	18.9	160.6	**9.4**	*	27.7	180.9	**11.7**	*	34.4	194.2	**12.1**		40.0	203.4	**11.2**		44.9	209.6	**10.4**		49.2	213.4	**9.6**		150
105	150	158	0.0	111.9	**5.7**	*																			158
105	150	160					17.9	157.1	**9.6**	*	26.9	177.3	**10.9**		33.6	190.1	**10.2**		39.2	198.5	**9.4**		44.0	204.0	**8.6**		160
105	150	167					0.0	111.0	**6.9**	*															167
105	150	170									16.6	152.3	**9.8**	*	25.9	172.6	**9.2**		32.7	184.7	**8.5**		38.1	192.5	**7.8**		170
105	150	176									0.0	109.4	**7.9**	*											176
105	150	180													15.0	145.8	**8.4**		24.7	166.4	**7.7**		31.4	178.1	**7.1**		180
105	150	185													0.0	107.0	**8.0**										185
105	150	190																	12.8	137.0	**7.0**		23.1	158.7	**6.4**		190
105	150	194																	0.0	103.8	**6.8**						194
105	150	200																					9.4	124.3	**5.8**		200
105	150	202																					0.0	99.9	**5.7**		202
105	160	49	75.0	266.4	**24.8**	*																			49
105	160	50	74.8	266.3	**24.6**	*																			50
105	160	60	71.1	263.2	**21.3**	*																			60
105	160	70	67.2	259.4	**19.0**	*																			70
105	160	72					70.0	261.4	**20.4**	*															72
105	160	80	63.3	254.8	**17.2**	*	66.9	258.2	**18.7**	*															80
105	160	90	59.2	249.3	**15.8**	*	63.0	253.5	**16.9**	*															90
105	160	94									65.0	254.4	**17.6**	*											94
105	160	100	55.0	242.9	**14.6**	*	58.9	248.0	**15.3**	*	62.6	251.4	**16.5**	*											100

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
105	160	110	50.4	235.2	**13.6**	*	54.6	241.4	**14.2**	*	58.4	245.7	**15.1**	*												110
105	160	115													60.0	245.5	**15.4**	*								115
105	160	120	45.6	226.2	**12.8**	*	50.0	233.7	**13.2**	*	54.1	239.1	**13.8**	*	58.0	242.6	**14.8**	*								120
105	160	130	40.4	215.5	**12.2**	*	45.2	224.5	**12.4**	*	49.6	231.2	**12.9**	*	53.6	235.8	**13.6**	*								130
105	160	135																	55.0	234.8	**11.9**					135
105	160	140	34.5	202.5	**11.7**	*	39.9	213.6	**11.8**	*	44.7	221.9	**12.1**	*	49.0	227.8	**12.2**		53.0	231.6	**11.3**					140
105	160	150	27.5	185.8	**9.8**	*	33.9	200.3	**11.4**	*	39.3	210.8	**11.5**	*	44.1	218.3	**11.0**		48.4	223.4	**10.2**					150
105	160	155																					50.0	222.4	**8.9**	155
105	160	160	18.3	162.2	**8.1**	*	26.9	183.3	**10.1**	*	33.3	197.2	**10.7**		38.7	207.0	**9.9**		43.4	213.7	**9.1**		47.6	217.9	**8.4**	160
105	160	168	0.0	111.9	**4.7**	*																				168
105	160	170					17.3	158.6	**8.3**	*	26.1	179.7	**9.7**		32.5	193.0	**9.0**		37.9	202.0	**8.3**		42.5	207.9	**7.6**	170
105	160	177					0.0	111.1	**5.9**	*																177
105	160	180									16.1	153.7	**8.5**	*	25.1	174.8	**8.2**		31.6	187.6	**7.5**		36.9	195.9	**6.8**	180
105	160	186									0.0	109.4	**6.7**	*												186
105	160	190													14.5	147.1	**7.4**		23.9	168.6	**6.8**		30.4	180.8	**6.2**	190
105	160	195													0.0	107.0	**7.1**									195
105	160	200																	12.4	138.1	**6.2**		22.3	160.7	**5.6**	200
105	160	204																	0.0	103.8	**6.0**					204
105	160	210																					9.1	125.1	**5.0**	210
105	160	212																					0.0	99.9	**4.9**	212
115	80	29	75.0	199.1	**51.2**	*																				29
115	80	30	74.1	198.8	**50.1**	*																				30
115	80	35	70.4	197.2	**46.2**	*																				35
115	80	40	66.5	195.2	**42.1**	*																				40
115	80	45					70.0	196.2	**44.5**	*																45
115	80	50	58.4	190.0	**37.3**	*	66.5	194.4	**41.5**	*																50
115	80	60	49.6	182.8	**34.1**	*	58.4	189.1	**36.3**	*																60
115	80	62									65.0	191.7	**39.8**	*												62
115	80	70	39.3	172.6	**32.3**	*	49.6	181.9	**33.1**	*	58.3	187.3	**35.6**	*												70
115	80	78													60.0	185.9	**29.6**									78
115	80	80	26.0	157.0	**26.6**	*	39.3	171.7	**31.1**	*	49.5	180.0	**30.2**		58.1	184.5	**28.5**									80
115	80	88	0.0	121.9	**16.6**	*																				88
115	80	90					26.0	156.1	**27.4**		39.2	169.8	**25.9**		49.2	177.2	**24.5**									90
115	80	93																	55.0	178.7	**22.3**					93
115	80	98					0.0	121.0	**18.9**	*																98

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																							Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
115	80	100									25.9	154.1	**22.6**		38.9	166.8	**21.5**		48.6	173.2	**20.3**						100
115	80	108									0.0	119.3	**20.6**										50.0	170.2	**17.3**		108
115	80	110													25.4	150.9	**19.0**		38.2	162.7	**17.9**		47.8	168.2	**16.8**		110
115	80	118													0.0	116.6	**17.3**										118
115	80	120																	24.4	146.2	**15.9**		37.2	157.2	**14.9**		120
115	80	127																	0.0	113.2	**14.7**						127
115	80	130																					22.8	139.9	**13.4**		130
115	80	136																					0.0	108.9	**12.5**		136
115	90	31	75.0	208.8	**46.7**	*																					31
115	90	35	72.6	207.8	**43.3**	*																					35
115	90	40	69.3	206.0	**40.3**	*																					40
115	90	49					70.0	205.6	**40.3**	*																	49
115	90	50	62.3	201.5	**35.2**	*	69.3	205.1	**39.6**	*																	50
115	90	60	54.8	195.4	**31.8**	*	62.3	200.6	**34.5**	*																	60
115	90	66									65.0	200.8	**35.8**	*													66
115	90	70	46.6	187.2	**29.5**	*	54.8	194.5	**30.9**	*	62.2	198.8	**34.0**	*													70
115	90	80	37.0	176.0	**28.1**	*	46.6	186.3	**28.6**	*	54.7	192.7	**29.9**														80
115	90	83													60.0	194.6	**27.0**										83
115	90	90	24.5	159.2	**22.4**	*	37.0	175.1	**27.1**	*	46.5	184.5	**25.7**		54.5	189.9	**24.2**										90
115	90	98	0.0	121.9	**14.3**	*																					98
115	90	99																	55.0	186.9	**20.3**						99
115	90	100					24.5	158.3	**23.1**	*	36.9	173.2	**22.4**		46.2	181.6	**21.3**		54.0	186.0	**20.0**						100
115	90	108					0.0	121.0	**16.3**	*																	108
115	90	110									24.4	156.3	**20.0**		36.6	170.2	**18.8**		45.7	177.6	**17.6**						110
115	90	114																					50.0	177.9	**15.7**		114
115	90	118									0.0	119.3	**18.1**														118
115	90	120													23.9	153.1	**16.7**		35.9	166.0	**15.7**		44.9	172.4	**14.7**		120
115	90	128													0.0	116.6	**15.3**										128
115	90	130																	23.0	148.3	**14.1**		35.0	160.5	**13.1**		130
115	90	137																	0.0	113.2	**13.0**						137
115	90	140																					21.5	141.8	**11.8**		140
115	90	146																					0.0	108.9	**11.1**		146
115	100	34	75.0	218.5	**42.0**	*																					34
115	100	35	74.4	218.2	**41.4**	*																					35

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
115	100	40	71.4	216.7	**38.4**	*																			40
115	100	50	65.2	212.7	**33.4**	*																			50
115	100	52					70.0	215.0	**36.6**	*															52
115	100	60	58.7	207.4	**29.9**	*	65.2	211.8	**32.9**	*															60
115	100	70	51.8	200.4	**27.4**	*	58.7	206.5	**29.2**	*	65.0	209.9	**32.3**	*											70
115	100	80	44.0	191.4	**25.6**	*	51.8	199.5	**26.6**	*	58.7	204.6	**28.7**	*											80
115	100	88													60.0	203.2	**24.8**								88
115	100	90	35.0	179.3	**23.7**	*	44.0	190.5	**24.8**	*	51.7	197.7	**25.5**		58.5	201.9	**23.9**								90
115	100	100	23.2	161.3	**19.7**	*	35.0	178.4	**23.5**		44.0	188.6	**22.4**		51.5	194.8	**21.0**								100
115	100	104																	55.0	195.1	**18.6**				104
115	100	108	0.0	121.9	**12.4**	*																			108
115	100	110					23.3	160.5	**20.4**	*	34.9	176.5	**19.8**		43.7	185.7	**18.6**		51.1	190.9	**17.4**				110
115	100	118					0.0	121.0	**14.2**	*															118
115	100	120									23.1	158.4	**17.6**		34.6	173.4	**16.5**		43.2	181.7	**15.4**		50.0	185.5	**14.3**	120
115	100	128									0.0	119.3	**16.0**	*											128
115	100	130													22.6	155.1	**14.8**		34.0	169.2	**13.8**		42.5	176.4	**12.9**	130
115	100	138													0.0	116.6	**13.6**								138
115	100	140																	21.8	150.3	**12.5**		33.1	163.5	**11.6**	140
115	100	147																	0.0	113.2	**11.6**					147
115	100	150																					20.3	143.7	**10.5**	150
115	100	156																					0.0	108.9	**9.8**	156
115	110	37	75.0	228.1	**38.5**	*																			37
115	110	40	73.2	227.1	**36.6**	*																			40
115	110	50	67.6	223.6	**31.8**	*																			50
115	110	56					70.0	224.3	**33.2**	*															56
115	110	60	61.9	218.9	**28.2**	*	67.6	222.7	**31.4**	*															60
115	110	70	55.8	212.8	**25.6**	*	61.9	218.0	**27.7**	*															70
115	110	74									65.0	218.9	**29.2**	*											74
115	110	80	49.2	205.1	**23.7**	*	55.8	211.9	**25.0**	*	61.8	216.2	**27.4**	*											80
115	110	90	41.9	195.3	**22.0**	*	49.2	204.3	**23.1**	*	55.7	210.1	**24.5**	*											90
115	110	93													60.0	211.9	**22.7**								93
115	110	100	33.4	182.4	**21.0**	*	41.9	194.4	**21.3**	*	49.1	202.4	**22.0**	*	55.5	207.3	**20.8**								100
115	110	110	22.2	163.3	**16.9**	*	33.4	181.5	**20.6**	*	41.8	192.6	**19.5**		48.9	199.5	**18.3**		55.0	203.3	**17.1**				110
115	110	118	0.0	121.9	**10.8**	*																			118
115	110	120					22.2	162.5	**17.6**	*	33.3	179.5	**17.4**		41.6	189.6	**16.3**		48.5	195.6	**15.2**					120

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																					Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees						
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)				
115	110	127																50.0	193.2	**13.1**		127
115	110	128				0.0	121.0	**12.4** *														128
115	110	130							22.0	160.4	**15.6**	33.0	176.5	**14.6**	41.1	185.5	**13.6**	47.9	190.5	**12.6**		130
115	110	138							0.0	119.3	**13.9** *											138
115	110	140										21.6	157.1	**13.1**	32.4	172.1	**12.2**	40.4	180.2	**11.3**		140
115	110	148										0.0	116.6	**12.1**								148
115	110	150													20.8	152.2	**11.0**	31.5	166.4	**10.2**		150
115	110	157													0.0	113.2	**10.3**					157
115	110	160																19.4	145.4	**9.3**		160
115	110	166																0.0	108.9	**8.7**		166
115	120	39	75.0	237.8	**35.2** *																	39
115	120	40	74.6	237.6	**34.8** *																	40
115	120	50	69.6	234.3	**30.2** *																	50
115	120	59				70.0	233.7	**30.2** *														59
115	120	60	64.4	230.1	**26.7** *	69.6	233.4	**29.8** *														60
115	120	70	59.0	224.7	**24.1** *	64.4	229.2	**26.3** *														70
115	120	79							65.0	228.0	**26.4** *											79
115	120	80	53.2	218.0	**21.7** *	59.0	223.8	**23.6** *	64.3	227.4	**26.0** *											80
115	120	90	47.0	209.6	**20.3** *	53.2	217.1	**21.2** *	58.9	222.0	**23.3** *											90
115	120	98										60.0	220.5	**21.2**								98
115	120	100	40.0	199.1	**19.4** *	47.0	208.7	**19.8** *	53.1	215.2	**20.7** *	58.7	219.2	**20.5**								100
115	120	110	31.9	185.3	**17.9** *	40.0	198.2	**18.8** *	46.9	206.8	**19.3**	53.0	212.4	**18.1**								110
115	120	116													55.0	211.5	**15.7**					116
115	120	120	21.2	165.3	**14.6** *	31.9	184.4	**18.2** *	40.0	196.3	**17.2**	46.7	204.0	**16.0**	52.6	208.5	**14.9**					120
115	120	128	0.0	121.9	**9.3** *																	128
115	120	130				21.2	164.4	**15.1** *	31.8	182.5	**15.4**	39.7	193.3	**14.3**	46.3	200.0	**13.3**					130
115	120	133																50.0	200.8	**11.9**		133
115	120	138				0.0	121.0	**10.8** *														138
115	120	140							21.1	162.3	**13.9**	31.5	179.4	**12.9**	39.3	189.2	**12.0**	45.7	194.8	**11.1**		140
115	120	148							0.0	119.3	**12.1** *											148
115	120	150										20.6	158.9	**11.7**	31.0	175.0	**10.8**	38.6	183.8	**10.0**		150
115	120	158										0.0	116.6	**10.8**								158
115	120	160													19.9	153.9	**9.8**	30.2	169.2	**9.0**		160
115	120	167													0.0	113.2	**9.1**					167
115	120	170																18.6	147.1	**8.2**		170

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																					Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees						
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)				
115	120	176																0.0	108.9	**7.7**				176
115	130	42	75.0	247.4	**32.1**	*																		42
115	130	50	71.2	244.9	**28.7**	*																		50
115	130	60	66.5	241.1	**25.3**	*																		60
115	130	63					70.0	243.1	**27.4**	*														63
115	130	70	61.6	236.2	**22.2**	*	66.5	240.2	**25.0**	*														70
115	130	80	56.4	230.2	**20.4**	*	61.6	235.3	**21.8**	*														80
115	130	83									65.0	237.0	**23.9**	*										83
115	130	90	51.0	222.8	**18.9**	*	56.4	229.3	**19.9**	*	61.5	233.5	**21.5**	*										90
115	130	100	45.0	213.8	**17.8**	*	51.0	222.0	**18.4**	*	56.4	227.5	**19.5**	*										100
115	130	103													60.0	229.2	**19.6**							103
115	130	110	38.4	202.6	**17.1**	*	45.0	213.0	**17.3**	*	50.9	220.1	**18.0**	*	56.2	224.7	**17.8**							110
115	130	120	30.6	188.1	**15.4**	*	38.4	201.7	**16.5**	*	45.0	211.1	**16.9**		50.7	217.3	**15.8**							120
115	130	122																55.0	219.7	**14.4**				122
115	130	130	20.4	167.1	**12.6**	*	30.6	187.2	**15.9**	*	38.3	199.8	**15.2**		44.8	208.2	**14.1**	50.4	213.3	**13.1**				130
115	130	138	0.0	121.9	**8.0**	*																		138
115	130	140					20.4	166.2	**13.1**	*	30.5	185.2	**13.7**		38.1	196.8	**12.7**	44.4	204.1	**11.7**	50.0	208.5	**10.8**	140
115	130	148					0.0	121.0	**9.4**	*														148
115	130	150									20.2	164.2	**12.4**		30.3	182.1	**11.5**	37.7	192.7	**10.6**	43.8	199.0	**9.7**	150
115	130	158									0.0	119.3	**10.5**	*										158
115	130	160													19.8	160.7	**10.4**	29.8	177.7	**9.6**	37.0	187.2	**8.8**	160
115	130	168													0.0	116.6	**9.6**							168
115	130	170																19.1	155.7	**8.7**	28.9	171.8	**7.9**	170
115	130	177																0.0	113.2	**8.1**				177
115	130	180																			17.8	148.7	**7.2**	180
115	130	186																			0.0	108.9	**6.8**	186
115	140	44	75.0	257.1	**29.2**	*																		44
115	140	50	72.6	255.5	**27.1**	*																		50
115	140	60	68.2	251.9	**23.9**	*																		60
115	140	66					70.0	252.5	**24.8**	*														66
115	140	70	63.8	247.5	**20.9**	*	68.3	251.0	**23.7**	*														70
115	140	80	59.1	242.0	**19.1**	*	63.8	246.6	**20.7**	*														80
115	140	87									65.0	246.1	**21.0**	*										87
115	140	90	54.2	235.4	**17.7**	*	59.1	241.1	**18.7**	*	63.7	244.8	**20.4**	*										90

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle: 90 Degrees Jib Angle (deg)	90 Degrees Tip Height (ft)	90 Degrees Capacity (kips)	85 Degrees Jib Angle (deg)	85 Degrees Tip Height (ft)	85 Degrees Capacity (kips)	80 Degrees Jib Angle (deg)	80 Degrees Tip Height (ft)	80 Degrees Capacity (kips)	75 Degrees Jib Angle (deg)	75 Degrees Tip Height (ft)	75 Degrees Capacity (kips)	70 Degrees Jib Angle (deg)	70 Degrees Tip Height (ft)	70 Degrees Capacity (kips)	65 Degrees Jib Angle (deg)	65 Degrees Tip Height (ft)	65 Degrees Capacity (kips)	Load Radius (ft)
115	140	100	49.0	227.5	**16.5** *	54.2	234.5	**17.3** *	59.1	239.3	**18.5** *										100
115	140	108										60.0	237.9	**18.1**							108
115	140	110	43.3	217.9	**15.7** *	49.0	226.6	**16.1** *	54.2	232.7	**16.9** *	58.9	236.5	**17.6**							110
115	140	120	37.0	206.0	**15.1** *	43.3	217.0	**15.2** *	48.9	224.8	**15.8** *	54.0	229.9	**15.5**							120
115	140	127													55.0	227.8	**13.2**				127
115	140	130	29.5	190.8	**13.3** *	37.0	205.1	**14.6** *	43.2	215.1	**14.8** *	48.8	221.9	**13.9**	53.7	226.0	**12.8**				130
115	140	140	19.6	168.9	**10.9** *	29.5	189.9	**13.7** *	36.9	203.2	**13.4**	43.1	212.2	**12.4**	48.4	217.9	**11.5**				140
115	140	146																50.0	216.2	**9.8**	146
115	140	148	0.0	121.9	**6.9** *																148
115	140	150				19.6	168.0	**11.3** *	29.4	187.9	**12.1**	36.7	200.2	**11.2**	42.7	208.1	**10.3**	48.0	212.9	**9.5**	150
115	140	158				0.0	121.0	**8.2** *													158
115	140	160							19.5	165.9	**11.0**	29.1	184.8	**10.2**	36.3	196.0	**9.3**	42.2	202.9	**8.5**	160
115	140	168							0.0	119.3	**9.1** *										168
115	140	170										19.1	162.4	**9.2**	28.6	180.3	**8.5**	35.6	190.5	**7.7**	170
115	140	178										0.0	116.7	**8.6**							178
115	140	180													18.4	157.3	**7.7**	27.9	174.4	**7.0**	180
115	140	187													0.0	113.2	**7.2**				187
115	140	190																17.2	150.2	**6.3**	190
115	140	196																0.0	108.9	**5.9**	196
115	150	47	75.0	266.8	**26.6** *																47
115	150	50	73.8	265.9	**25.6** *																50
115	150	60	69.8	262.6	**22.1** *																60
115	150	69				70.0	261.9	**22.0** *													69
115	150	70	65.6	258.5	**19.7** *	69.8	261.7	**21.8** *													70
115	150	80	61.4	253.5	**18.0** *	65.6	257.6	**19.6** *													80
115	150	90	56.9	247.6	**16.5** *	61.4	252.6	**17.7** *													90
115	150	91							65.0	255.2	**19.1** *										91
115	150	100	52.2	240.4	**15.4** *	56.9	246.7	**16.2** *	61.3	250.8	**17.5** *										100
115	150	110	47.2	232.0	**14.4** *	52.2	239.6	**15.0** *	56.9	244.8	**15.9** *										110
115	150	113										60.0	246.5	**16.7**							113
115	150	120	41.8	221.8	**13.7** *	47.2	231.1	**14.1** *	52.2	237.7	**14.7** *	56.7	242.0	**15.3**							120
115	150	130	35.7	209.3	**13.3** *	41.8	220.9	**13.3** *	47.2	229.2	**13.8** *	52.0	234.9	**13.6**							130
115	150	133													55.0	236.0	**12.1**				133
115	150	140	28.5	193.3	**11.4** *	35.7	208.4	**12.8** *	41.7	219.0	**13.0** *	47.0	226.3	**12.2**	51.8	231.0	**11.2**				140
115	150	150	18.9	170.6	**9.4** *	28.5	192.5	**11.8** *	35.6	206.5	**11.9**	41.5	216.1	**11.0**	46.7	222.3	**10.1**				150

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
115	150	153																					50.0	223.8	**8.9**		153
115	150	158	0.0	121.9	**5.8**	*																					158
115	150	160					18.9	169.7	**9.8**	*	28.4	190.5	**10.8**		35.4	203.5	**9.9**		41.2	212.0	**9.1**		46.2	217.2	**8.3**		160
115	150	168					0.0	121.0	**7.0**	*																	168
115	150	170									18.8	167.6	**9.8**		28.1	187.3	**9.0**		35.0	199.2	**8.2**		40.7	206.7	**7.4**		170
115	150	178									0.0	119.3	**7.9**	*													178
115	150	180													18.4	164.1	**8.2**		27.7	182.8	**7.5**		34.4	193.7	**6.7**		180
115	150	188													0.0	116.7	**7.6**										188
115	150	190																	17.7	158.9	**6.8**		26.9	176.8	**6.1**		190
115	150	197																	0.0	113.2	**6.3**						197
115	150	200																					16.6	151.7	**5.5**		200
115	150	206																					0.0	108.9	**5.2**		206
115	160	49	75.0	276.4	**24.1**	*																					49
115	160	50	74.8	276.3	**24.0**	*																					50
115	160	60	71.1	273.2	**20.8**	*																					60
115	160	70	67.2	269.4	**18.6**	*																					70
115	160	73					70.0	271.3	**19.9**	*																	73
115	160	80	63.3	264.8	**16.8**	*	67.2	268.5	**18.5**	*																	80
115	160	90	59.2	259.3	**15.4**	*	63.3	263.9	**16.7**	*																	90
115	160	96									65.0	264.2	**17.2**	*													96
115	160	100	55.0	252.9	**14.3**	*	59.2	258.4	**15.2**	*	63.3	262.1	**16.5**	*													100
115	160	110	50.4	245.2	**13.3**	*	55.0	252.0	**14.0**	*	59.2	256.6	**15.0**	*													110
115	160	118													60.0	255.2	**15.2**	*									118
115	160	120	45.6	236.2	**12.6**	*	50.5	244.4	**13.0**	*	54.9	250.1	**13.7**	*	59.0	253.8	**14.9**	*									120
115	160	130	40.4	225.5	**12.0**	*	45.6	235.4	**12.2**	*	50.4	242.5	**12.8**	*	54.8	247.3	**13.4**										130
115	160	139																	55.0	244.2	**11.1**						139
115	160	140	34.5	212.5	**11.6**	*	40.4	224.6	**11.6**	*	45.6	233.5	**12.0**	*	50.3	239.6	**12.0**		54.5	243.5	**11.0**						140
115	160	150	27.5	195.8	**9.8**	*	34.5	211.6	**11.2**	*	40.3	222.8	**11.4**	*	45.4	230.6	**10.8**		50.0	235.7	**9.8**						150
115	160	159																					50.0	231.5	**8.1**		159
115	160	160	18.3	172.2	**8.0**	*	27.5	194.9	**10.2**	*	34.4	209.7	**10.6**		40.2	219.8	**9.7**		45.1	226.6	**8.8**		49.6	230.7	**8.0**		160
115	160	168	0.0	121.9	**4.9**	*																					168
115	160	170					18.3	171.3	**8.4**	*	27.4	193.0	**9.6**		34.2	206.6	**8.8**		39.8	215.7	**8.0**		44.7	221.4	**7.2**		170
115	160	178					0.0	121.0	**6.0**	*																	178
115	160	180									18.2	169.2	**8.8**		27.2	189.8	**8.0**		33.9	202.3	**7.2**		39.3	210.3	**6.5**		180
115	160	188									0.0	119.3	**6.7**	*													188

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																					Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	
115	160	190													17.9	165.7	**7.3**		26.8	185.2	**6.5**		33.3	196.7	**5.8**		190
115	160	198													0.0	116.7	**6.7**										198
115	160	200																	17.2	160.4	**5.9**		26.0	179.1	**5.3**		200
115	160	207																	0.0	113.2	**5.5**						207
115	160	210																					16.0	153.1	**4.8**		210
115	160	216																					0.0	108.9	**4.5**		216
125	80	29	75.0	209.1	**50.1**	*																					29
125	80	30	74.1	208.8	**49.1**	*																					30
125	80	35	70.4	207.2	**44.5**	*																					35
125	80	40	66.5	205.2	**41.4**	*																					40
125	80	46					70.0	206.1	**43.7**	*																	46
125	80	50	58.4	200.0	**36.7**	*	67.2	204.7	**41.3**	*																	50
125	80	60	49.6	192.8	**33.6**	*	59.2	199.6	**36.1**	*																	60
125	80	64									65.0	201.6	**39.2**	*													64
125	80	70	39.3	182.6	**31.9**	*	50.4	192.6	**32.9**	*	59.8	198.2	**35.4**														70
125	80	80	26.0	167.0	**26.6**	*	40.3	182.7	**30.8**	*	51.1	191.3	**29.9**		60.0	195.6	**27.9**										80
125	80	88	0.0	131.9	**16.8**	*																					88
125	80	90					27.4	167.8	**27.3**		41.1	181.7	**25.7**		51.6	189.0	**24.1**										90
125	80	96																	55.0	188.1	**20.8**						96
125	80	99					0.0	131.0	**19.1**	*																	99
125	80	100									28.6	167.3	**22.4**		41.7	179.5	**21.2**		51.8	185.5	**19.8**						100
125	80	110									0.0	129.1	**20.0**		29.4	165.5	**18.7**		42.0	176.1	**17.5**						110
125	80	112																					50.0	179.3	**15.9**		112
125	80	120													4.9	133.1	**16.6**		29.8	162.3	**15.5**		41.9	171.4	**14.5**		120
125	80	130																	6.8	132.0	**13.9**		29.6	157.5	**12.9**		130
125	80	131																	0.0	122.6	**13.8**						131
125	80	140																					6.2	126.6	**11.6**		140
125	90	31	75.0	218.8	**45.6**	*																					31
125	90	35	72.6	217.8	**42.5**	*																					35
125	90	40	69.3	216.0	**39.5**	*																					40
125	90	50	62.3	211.5	**34.6**	*	70.0	215.5	**39.6**	*																	50
125	90	60	54.8	205.4	**31.3**	*	62.9	211.1	**34.3**	*																	60
125	90	68									65.0	210.6	**35.2**	*													68
125	90	70	46.6	197.2	**29.0**	*	55.5	205.1	**30.7**	*	63.4	209.6	**34.2**	*													70

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees							
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)					
125	90	80	37.0	186.0	**27.8** *	47.3	197.1	**28.3** *	56.1	203.7	**29.6**														80
125	90	85										60.0	204.2	**25.5**											85
125	90	90	24.5	169.2	**22.4** *	37.9	186.2	**26.8** *	48.0	195.9	**25.4**	56.5	201.3	**23.8**											90
125	90	98	0.0	131.9	**14.5** *																				98
125	90	100				25.8	170.2	**23.6** *	38.7	185.3	**22.4**	48.4	193.6	**20.9**											100
125	90	102													55.0	196.3	**19.0**								102
125	90	109				0.0	131.0	**16.5** *																	109
125	90	110							26.9	169.8	**19.8**	39.2	183.2	**18.5**	48.7	190.1	**17.2**								110
125	90	118																50.0	186.9	**14.5**					118
125	90	120							0.0	129.1	**17.6**	27.7	168.1	**16.4**	39.5	179.8	**15.3**	48.6	185.5	**14.2**					120
125	90	130										4.6	133.6	**14.7**	28.0	164.9	**13.7**	39.4	175.1	**12.7**					130
125	90	140													6.4	132.6	**12.3**	27.9	160.1	**11.4**					140
125	90	141													0.0	122.6	**12.2**								141
125	90	150																5.8	127.1	**10.3**					150
125	100	34	75.0	228.5	**41.0** *																				34
125	100	35	74.4	228.2	**40.4** *																				35
125	100	40	71.4	226.7	**37.7** *																				40
125	100	50	65.2	222.7	**32.8** *																				50
125	100	53				70.0	224.9	**35.9** *																	53
125	100	60	58.7	217.4	**29.4** *	65.8	222.1	**32.7** *																	60
125	100	70	51.8	210.4	**26.9** *	59.3	217.0	**29.0** *																	70
125	100	72							65.0	219.7	**31.8** *														72
125	100	80	44.0	201.4	**25.2** *	52.4	210.2	**26.4** *	59.8	215.5	**28.9** *														80
125	100	90	35.0	189.3	**23.7** *	44.8	201.4	**24.6** *	52.9	208.9	**25.2**	60.0	212.9	**23.4**											90
125	100	100	23.2	171.3	**19.7** *	35.9	189.6	**23.5**	45.4	200.2	**22.2**	53.3	206.5	**20.7**											100
125	100	108	0.0	131.9	**12.6** *										55.0	204.5	**17.4**								108
125	100	110				24.5	172.4	**20.9**	36.6	188.7	**19.6**	45.8	198.0	**18.2**	53.5	203.0	**16.9**								110
125	100	119				0.0	131.0	**14.4** *																	119
125	100	120							25.5	172.1	**17.4**	37.2	186.7	**16.2**	46.0	194.5	**15.0**								120
125	100	125																50.0	194.6	**13.2**					125
125	100	130							0.0	129.1	**15.6**	26.2	170.5	**14.5**	37.4	183.3	**13.5**	45.9	189.8	**12.4**					130
125	100	140										4.4	134.0	**13.1**	26.6	167.3	**12.1**	37.3	178.6	**11.2**					140
125	100	150													6.1	133.1	**10.9**	26.4	162.5	**10.1**					150
125	100	151													0.0	122.6	**10.9**								151
125	100	160																5.5	127.6	**9.1**					160

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle 90 Degrees Jib Angle (deg)	90 Degrees Tip Height (ft)	90 Degrees Capacity (kips)		85 Degrees Jib Angle (deg)	85 Degrees Tip Height (ft)	85 Degrees Capacity (kips)		80 Degrees Jib Angle (deg)	80 Degrees Tip Height (ft)	80 Degrees Capacity (kips)		75 Degrees Jib Angle (deg)	75 Degrees Tip Height (ft)	75 Degrees Capacity (kips)		70 Degrees Jib Angle (deg)	70 Degrees Tip Height (ft)	70 Degrees Capacity (kips)		65 Degrees Jib Angle (deg)	65 Degrees Tip Height (ft)	65 Degrees Capacity (kips)		Load Radius (ft)
125	110	37	75.0	238.1	**37.5**	*																				37
125	110	40	73.2	237.1	**35.8**	*																				40
125	110	50	67.6	233.6	**31.1**	*																				50
125	110	57					70.0	234.3	**32.5**	*																57
125	110	60	61.9	228.9	**27.7**	*	68.1	233.0	**31.1**	*																60
125	110	70	55.8	222.8	**25.2**	*	62.4	228.4	**27.5**	*																70
125	110	76									65.0	228.8	**28.7**	*												76
125	110	80	49.2	215.1	**23.3**	*	56.3	222.5	**24.8**	*	62.8	226.9	**27.4**	*												80
125	110	90	41.9	205.3	**21.7**	*	49.8	215.0	**22.4**	*	56.8	221.1	**24.6**	*												90
125	110	95													60.0	221.5	**21.8**									95
125	110	100	33.4	192.4	**21.0**	*	42.6	205.4	**21.1**	*	50.3	213.7	**21.9**		57.1	218.7	**20.4**									100
125	110	110	22.2	173.3	**16.9**	*	34.2	192.7	**20.4**	*	43.1	204.3	**19.3**		50.7	211.4	**18.0**									110
125	110	114																	55.0	212.7	**15.9**					114
125	110	118	0.0	131.9	**10.9**	*																				118
125	110	120					23.3	174.5	**17.9**	*	34.9	192.0	**17.2**		43.6	202.1	**16.0**		50.9	207.9	**14.8**					120
125	110	129					0.0	131.0	**12.6**	*																129
125	110	130									24.3	174.3	**15.4**		35.4	189.9	**14.3**		43.8	198.7	**13.2**					130
125	110	131																					50.0	202.2	**12.0**	131
125	110	140									0.0	129.1	**13.9**		25.0	172.7	**12.9**		35.6	186.6	**11.9**		43.7	194.0	**10.9**	140
125	110	150													4.2	134.3	**11.6**		25.3	169.6	**10.7**		35.5	181.9	**9.8**	150
125	110	160																	5.8	133.7	**9.7**		25.2	164.8	**8.9**	160
125	110	161																	0.0	122.6	**9.7**					161
125	110	170																					5.3	128.1	**8.1**	170
125	120	39	75.0	247.8	**34.3**	*																				39
125	120	40	74.6	247.6	**33.9**	*																				40
125	120	50	69.6	244.3	**29.6**	*																				50
125	120	60	64.4	240.1	**26.1**	*	70.0	243.7	**29.5**	*																60
125	120	70	59.0	234.7	**23.7**	*	64.8	239.6	**26.1**	*																70
125	120	80	53.2	228.0	**21.3**	*	59.4	234.3	**23.4**	*	65.0	237.8	**25.9**	*												80
125	120	90	47.0	219.6	**20.0**	*	53.7	227.7	**20.9**	*	59.9	232.9	**23.3**	*												90
125	120	100	40.0	209.1	**19.1**	*	47.5	219.5	**19.6**	*	54.2	226.4	**20.6**	*	60.0	230.2	**20.1**									100
125	120	110	31.9	195.3	**17.9**	*	40.7	209.2	**18.5**	*	48.0	218.3	**19.1**		54.5	224.0	**17.7**									110
125	120	119																	55.0	220.9	**14.6**					119
125	120	120	21.2	175.3	**14.6**	*	32.7	195.7	**18.0**	*	41.2	208.2	**17.0**		48.4	216.0	**15.7**		54.6	220.4	**14.5**					120

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																										Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees					
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)			
125	120	128	0.0	131.9	**9.4**	*																							128
125	120	130					22.3	176.5	**15.4**	*	33.3	195.0	**15.2**		41.6	206.0	**14.1**		48.5	212.5	**13.0**								130
125	120	138																					50.0	209.9	**10.9**				138
125	120	139					0.0	131.0	**11.0**	*																			139
125	120	140									23.3	176.4	**13.7**		33.8	193.0	**12.7**		41.8	202.6	**11.6**		48.5	207.8	**10.6**				140
125	120	150									0.0	129.1	**12.1**	*	23.9	174.9	**11.4**		34.0	189.7	**10.5**		41.7	197.9	**9.6**				150
125	120	160													4.0	134.7	**10.4**		24.2	171.8	**9.5**		34.0	185.0	**8.6**				160
125	120	170																	5.5	134.1	**8.6**		24.1	167.0	**7.8**				170
125	120	171																	0.0	122.6	**8.6**								171
125	120	180																					5.0	128.5	**7.1**				180
125	130	42	75.0	257.4	**31.3**	*																							42
125	130	50	71.2	254.9	**28.0**	*																							50
125	130	60	66.5	251.1	**24.7**	*																							60
125	130	63					70.0	253.1	**26.8**	*																			63
125	130	70	61.6	246.2	**21.8**	*	66.9	250.5	**24.8**	*																			70
125	130	80	56.4	240.2	**20.0**	*	62.0	245.7	**21.6**	*																			80
125	130	85									65.0	246.9	**23.4**	*															85
125	130	90	51.0	232.8	**18.6**	*	56.9	239.8	**19.7**	*	62.4	244.3	**21.6**	*															90
125	130	100	45.0	223.8	**17.5**	*	51.5	232.6	**18.2**	*	57.3	238.5	**19.5**	*															100
125	130	105													60.0	238.9	**18.6**												105
125	130	110	38.4	212.6	**16.8**	*	45.6	223.8	**17.1**	*	51.9	231.3	**18.0**	*	57.6	236.0	**17.5**												110
125	130	120	30.6	198.1	**15.4**	*	39.0	212.8	**16.3**	*	46.0	222.6	**16.8**		52.2	229.0	**15.5**												120
125	130	125																	55.0	229.1	**13.4**								125
125	130	130	20.4	177.1	**12.6**	*	31.4	198.6	**15.9**	*	39.5	211.8	**15.0**		46.4	220.4	**13.8**		52.3	225.5	**12.7**								130
125	130	138	0.0	131.9	**8.1**	*																							138
125	130	140					21.4	178.5	**13.3**	*	32.0	198.0	**13.5**		39.9	209.7	**12.4**		46.5	216.9	**11.4**								140
125	130	144																					50.0	217.6	**9.9**				144
125	130	149					0.0	131.0	**9.5**	*																			149
125	130	150									22.3	178.5	**12.2**		32.4	196.0	**11.2**		40.1	206.3	**10.2**		46.5	212.2	**9.3**				150
125	130	160									0.0	129.1	**10.5**	*	23.0	177.0	**10.2**		32.7	192.7	**9.3**		40.0	201.6	**8.4**				160
125	130	170													3.9	135.0	**9.2**		23.3	173.9	**8.4**		32.6	188.0	**7.6**				170
125	130	180																	5.3	134.6	**7.6**		23.1	169.1	**6.9**				180
125	130	181																	0.0	122.6	**7.6**								181
125	130	190																					4.8	128.9	**6.2**				190

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
125	140	44	75.0	267.1	**28.4**	*																			44
125	140	50	72.6	265.5	**26.4**	*																			50
125	140	60	68.2	261.9	**23.4**	*																			60
125	140	67					70.0	262.5	**24.3**	*															67
125	140	70	63.8	257.5	**20.5**	*	68.6	261.3	**23.4**	*															70
125	140	80	59.1	252.0	**18.7**	*	64.2	257.0	**20.5**	*															80
125	140	89									65.0	256.0	**20.7**	*											89
125	140	90	54.2	245.4	**17.3**	*	59.5	251.6	**18.5**	*	64.5	255.4	**20.4**	*											90
125	140	100	49.0	237.5	**16.2**	*	54.6	245.1	**17.1**	*	59.9	250.2	**18.5**	*											100
125	140	110	43.3	227.9	**15.4**	*	49.5	237.3	**15.9**	*	55.0	243.8	**16.9**	*	60.0	247.5	**17.2**								110
125	140	120	37.0	216.0	**14.8**	*	43.8	227.9	**15.0**	*	49.9	236.1	**15.7**	*	55.3	241.4	**15.2**								120
125	140	130	29.5	200.8	**13.2**	*	37.5	216.3	**14.3**	*	44.3	226.8	**14.7**		50.2	233.8	**13.6**								130
125	140	131																	55.0	237.2	**12.3**				131
125	140	140	19.6	178.9	**10.9**	*	30.2	201.4	**13.9**	*	38.0	215.4	**13.3**		44.6	224.6	**12.2**		50.3	230.3	**11.1**				140
125	140	148	0.0	131.9	**7.0**	*																			148
125	140	150					20.6	180.3	**11.5**	*	30.8	200.8	**12.0**		38.4	213.3	**11.0**		44.7	221.1	**10.0**		50.0	225.2	**9.0**		150
125	140	159					0.0	131.0	**8.3**	*															159
125	140	160									21.5	180.4	**10.9**		31.2	198.9	**9.9**		38.6	209.9	**9.0**		44.7	216.4	**8.1**		160
125	140	170									0.0	129.1	**9.1**	*	22.1	179.0	**9.0**		31.4	195.6	**8.2**		38.5	205.2	**7.3**		170
125	140	180													3.7	135.4	**8.2**		22.4	175.9	**7.4**		31.4	190.9	**6.6**		180
125	140	190																	5.1	135.1	**6.7**		22.3	171.1	**6.0**		190
125	140	191																	0.0	122.6	**6.7**						191
125	140	200																					4.7	129.3	**5.4**		200
125	150	47	75.0	276.8	**25.8**	*																			47
125	150	50	73.8	275.9	**24.8**	*																			50
125	150	60	69.8	272.6	**21.5**	*																			60
125	150	70	65.6	268.5	**19.3**	*	70.0	271.9	**21.5**	*															70
125	150	80	61.4	263.5	**17.6**	*	66.0	268.0	**19.3**	*															80
125	150	90	56.9	257.6	**16.2**	*	61.7	263.1	**17.4**	*															90
125	150	93									65.0	265.0	**18.7**	*											93
125	150	100	52.2	250.4	**15.0**	*	57.3	257.2	**16.0**	*	62.1	261.6	**17.5**	*											100
125	150	110	47.2	242.0	**14.1**	*	52.6	250.2	**14.8**	*	57.7	255.8	**15.9**	*											110
125	150	115													60.0	256.2	**15.9**								115
125	150	120	41.8	231.8	**13.4**	*	47.7	241.8	**13.9**	*	53.0	248.9	**14.6**	*	57.9	253.3	**15.0**								120
125	150	130	35.7	219.3	**13.0**	*	42.3	231.8	**13.1**	*	48.1	240.7	**13.7**	*	53.3	246.5	**13.3**								130

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																							Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
125	150	137																	55.0	245.4	**11.3**					137
125	150	140	28.5	203.3	**11.4**	*	36.2	219.6	**12.6**	*	42.7	230.8	**12.9**	*	48.3	238.3	**11.9**		53.4	243.0	**10.9**					140
125	150	150	18.9	180.6	**9.4**	*	29.1	204.0	**12.0**	*	36.7	218.7	**11.8**		43.0	228.6	**10.7**		48.5	234.9	**9.7**					150
125	150	157																					50.0	232.9	**8.1**	157
125	150	158	0.0	131.9	**5.9**	*																				158
125	150	160					19.9	182.1	**10.0**	*	29.7	203.5	**10.7**		37.1	216.7	**9.7**		43.1	225.1	**8.8**		48.4	230.2	**7.8**	160
125	150	169					0.0	131.0	**7.1**	*																169
125	150	170									20.8	182.3	**9.7**		30.2	201.6	**8.8**		37.2	213.3	**7.9**		43.1	220.5	**7.1**	170
125	150	180									0.0	129.1	**7.8**	*	21.4	180.9	**8.0**		30.4	198.4	**7.2**		37.2	208.6	**6.4**	180
125	150	190													3.6	135.7	**7.3**		21.6	177.9	**6.5**		30.3	193.6	**5.7**	190
125	150	200																	5.0	135.5	**5.9**		21.5	173.0	**5.2**	200
125	150	201																	0.0	122.6	**5.9**					201
125	150	210																					4.5	129.7	**4.7**	210
125	160	49	75.0	286.4	**23.2**	*																				49
125	160	50	74.8	286.3	**23.2**	*																				50
125	160	60	71.1	283.2	**20.2**	*																				60
125	160	70	67.2	279.4	**18.2**	*																				70
125	160	74					70.0	281.3	**19.5**	*																74
125	160	80	63.3	274.8	**16.4**	*	67.6	278.9	**18.2**	*																80
125	160	90	59.2	269.3	**15.1**	*	63.7	274.3	**16.4**	*																90
125	160	97									65.0	274.1	**16.9**	*												97
125	160	100	55.0	262.9	**13.9**	*	59.6	268.9	**14.9**	*	64.0	272.8	**16.4**	*												100
125	160	110	50.4	255.2	**13.0**	*	55.3	262.5	**13.8**	*	59.9	267.5	**15.0**	*												110
125	160	120	45.6	246.2	**12.3**	*	50.9	255.0	**12.8**	*	55.7	261.2	**13.7**	*	60.0	264.8	**14.7**									120
125	160	130	40.4	235.5	**11.7**	*	46.1	246.2	**12.0**	*	51.2	253.8	**12.7**	*	55.9	258.8	**13.1**									130
125	160	140	34.5	222.5	**11.4**	*	40.9	235.6	**11.4**	*	46.4	245.0	**11.9**	*	51.5	251.4	**11.7**									140
125	160	142																	55.0	253.6	**10.3**					142
125	160	150	27.5	205.8	**9.8**	*	35.0	222.8	**11.0**	*	41.3	234.6	**11.2**	*	46.7	242.7	**10.5**		51.6	247.9	**9.5**					150
125	160	160	18.3	182.2	**8.0**	*	28.2	206.6	**10.4**	*	35.5	222.0	**10.4**		41.6	232.4	**9.5**		46.8	239.3	**8.5**					160
125	160	163																					50.0	240.5	**7.3**	163
125	160	168	0.0	131.9	**5.0**	*																				168
125	160	170					19.3	183.8	**8.6**	*	28.8	206.1	**9.5**		35.8	220.0	**8.6**		41.7	229.0	**7.7**		46.8	234.6	**6.8**	170
125	160	179					0.0	131.0	**6.1**	*																179
125	160	180									20.1	184.1	**8.6**		29.2	204.3	**7.8**		36.0	216.6	**6.9**		41.7	224.3	**6.1**	180
125	160	190									0.0	129.1	**6.7**	*	20.7	182.7	**7.1**		29.4	201.0	**6.3**		35.9	211.9	**5.5**	190

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																					Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	
125	160	200													3.5	136.0	**6.4**		20.9	179.7	**5.7**		29.3	196.3	**4.9**		200
125	160	210																	4.8	135.9	**5.1**		20.8	174.9	**4.4**		210
125	160	211																	0.0	122.6	**5.1**						211
125	160	220																					4.4	130.1	**4.0**		220
135	80	29	75.0	219.1	**47.5**	*																					29
135	80	30	74.1	218.8	**46.9**	*																					30
135	80	35	70.4	217.2	**43.6**	*																					35
135	80	40	66.5	215.2	**40.6**	*																					40
135	80	47					70.0	216.1	**42.6**	*																	47
135	80	50	58.4	210.0	**36.1**	*	67.9	215.0	**41.0**	*																	50
135	80	60	49.6	202.8	**33.1**	*	59.9	210.1	**35.8**	*																	60
135	80	65									65.0	211.4	**38.1**	*													65
135	80	70	39.3	192.6	**30.6**	*	51.2	203.2	**32.6**	*	61.2	209.0	**35.1**														70
135	80	80	26.0	177.0	**26.6**	*	41.3	193.7	**30.2**	*	52.7	202.5	**29.6**														80
135	80	83													60.0	205.2	**26.3**										83
135	80	88	0.0	141.9	**16.9**	*																					88
135	80	90					28.8	179.4	**27.2**		43.0	193.5	**25.4**		53.9	200.6	**23.7**										90
135	80	100					0.0	140.9	**19.2**	*	31.1	180.2	**22.4**		44.4	191.9	**20.8**		55.0	197.5	**19.3**						100
135	80	110									11.1	154.3	**19.7**		33.0	179.5	**18.4**		45.6	189.1	**17.0**						110
135	80	111									0.0	138.9	**19.4**														111
135	80	116																					50.0	188.3	**14.6**		116
135	80	120													15.4	157.2	**16.4**		34.4	177.1	**15.1**		46.3	184.8	**13.9**		120
135	80	123													0.0	135.9	**15.8**										123
135	80	130																	18.2	156.9	**13.6**		35.3	173.2	**12.5**		130
135	80	134																	0.0	132.0	**13.0**						134
135	80	140																					19.7	154.0	**11.2**		140
135	80	145																					0.0	127.1	**10.7**		145
135	90	31	75.0	228.8	**43.4**	*																					31
135	90	35	72.6	227.8	**41.5**	*																					35
135	90	40	69.3	226.0	**38.7**	*																					40
135	90	50	62.3	221.5	**34.0**	*																					50
135	90	51					70.0	225.5	**38.7**	*																	51
135	90	60	54.8	215.4	**30.8**	*	63.5	221.5	**34.0**	*																	60
135	90	69									65.0	220.5	**34.6**	*													69

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																							Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
135	90	70	46.6	207.2	**28.6**	*	56.1	215.6	**30.4**	*	64.7	220.3	**34.4**	*												70
135	90	80	37.0	196.0	**26.5**	*	48.1	207.9	**28.1**	*	57.4	214.7	**29.3**													80
135	90	88													60.0	213.9	**24.1**									88
135	90	90	24.5	179.2	**22.4**	*	38.8	197.3	**26.3**	*	49.4	207.3	**25.2**		58.4	212.6	**23.4**									90
135	90	98	0.0	141.9	**14.6**	*																				98
135	90	100					27.1	181.9	**23.6**		40.4	197.3	**22.2**		50.6	205.5	**20.6**									100
135	90	106																	55.0	205.7	**17.7**					106
135	90	110					0.0	140.9	**16.7**	*	29.3	182.9	**19.6**		41.8	195.9	**18.2**		51.5	202.4	**16.8**					110
135	90	120									10.4	155.2	**17.4**		31.0	182.3	**16.2**		42.8	193.1	**14.9**					120
135	90	121									0.0	138.9	**17.1**													121
135	90	122																					50.0	196.0	**13.3**	122
135	90	130													14.5	158.5	**14.5**		32.4	180.1	**13.3**		43.5	189.0	**12.2**	130
135	90	133													0.0	135.9	**14.0**									133
135	90	140																	17.1	158.4	**12.0**		33.2	176.3	**11.0**	140
135	90	144																	0.0	132.0	**11.5**					144
135	90	150																					18.6	155.7	**9.9**	150
135	90	155																					0.0	127.1	**9.4**	155
135	100	34	75.0	238.5	**39.8**	*																				34
135	100	35	74.4	238.2	**39.4**	*																				35
135	100	40	71.4	236.7	**36.8**	*																				40
135	100	50	65.2	232.7	**32.1**	*																				50
135	100	54					70.0	234.9	**35.1**	*																54
135	100	60	58.7	227.4	**28.8**	*	66.3	232.5	**32.4**	*																60
135	100	70	51.8	220.4	**26.5**	*	59.9	227.4	**28.7**	*																70
135	100	74									65.0	229.6	**31.2**	*												74
135	100	80	44.0	211.4	**24.8**	*	53.0	220.8	**26.2**	*	61.0	226.4	**28.9**	*												80
135	100	90	35.0	199.3	**23.1**	*	45.5	212.2	**24.3**	*	54.2	220.0	**24.9**													90
135	100	93													60.0	222.5	**22.1**									93
135	100	100	23.2	181.3	**19.7**	*	36.7	200.7	**22.9**	*	46.8	211.8	**21.9**		55.2	218.0	**20.3**									100
135	100	108	0.0	141.9	**12.7**	*																				108
135	100	110					25.7	184.2	**20.8**		38.3	200.9	**19.4**		47.8	210.1	**17.9**									110
135	100	111																	55.0	213.9	**16.2**					111
135	100	120					0.0	140.9	**14.5**	*	27.7	185.4	**17.2**		39.5	199.6	**15.9**		48.7	207.1	**14.6**					120
135	100	129																					50.0	203.6	**12.1**	129
135	100	130									9.9	156.1	**15.4**		29.4	185.0	**14.3**		40.5	196.9	**13.1**		49.2	202.8	**11.9**	130

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																					Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees						
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)				
135	100	131							0.0	138.9	**15.2**												131
135	100	140										13.8	159.8	**12.8**	30.7	183.0	**11.8**	41.1	192.8	**10.7**			140
135	100	143										0.0	135.9	**12.4**									143
135	100	150													16.2	159.9	**10.6**	31.4	179.2	**9.7**			150
135	100	154													0.0	132.0	**10.2**						154
135	100	160																17.6	157.3	**8.7**			160
135	100	165																0.0	127.1	**8.3**			165
135	110	37	75.0	248.1	**36.5** *																		37
135	110	40	73.2	247.1	**34.9** *																		40
135	110	50	67.6	243.6	**30.5** *																		50
135	110	57				70.0	244.3	**31.8** *															57
135	110	60	61.9	238.9	**27.1** *	68.6	243.3	**30.8** *															60
135	110	70	55.8	232.8	**24.7** *	62.9	238.8	**27.2** *															70
135	110	78							65.0	238.6	**28.1** *												78
135	110	80	49.2	225.1	**22.9** *	56.9	233.0	**24.5** *	63.8	237.6	**27.5** *												80
135	110	90	41.9	215.3	**21.3** *	50.4	225.6	**22.1** *	57.9	232.1	**24.6** *												90
135	110	98										60.0	231.2	**20.6**									98
135	110	100	33.4	202.4	**20.1** *	43.2	216.3	**20.8** *	51.5	225.0	**21.7**	58.7	229.9	**20.0**									100
135	110	110	22.2	183.3	**16.9** *	35.0	204.0	**20.0** *	44.5	216.0	**19.1**	52.4	223.1	**17.6**									110
135	110	117													55.0	222.1	**14.9**						117
135	110	118	0.0	141.9	**11.0** *																		118
135	110	120				24.5	186.4	**18.2** *	36.4	204.2	**17.0**	45.5	214.4	**15.7**	53.1	219.9	**14.3**						120
135	110	130				0.0	140.9	**12.7** *	26.4	187.9	**15.2**	37.6	203.1	**14.0**	46.3	211.5	**12.8**						130
135	110	135																50.0	211.3	**11.0**			135
135	110	140							9.4	156.9	**13.7**	28.0	187.6	**12.6**	38.6	200.5	**11.5**	46.8	207.2	**10.4**			140
135	110	141							0.0	138.9	**13.5**												141
135	110	150										13.1	161.0	**11.4**	29.2	185.6	**10.4**	39.1	196.5	**9.4**			150
135	110	153										0.0	135.9	**11.1**									153
135	110	160													15.5	161.3	**9.4**	29.9	182.0	**8.5**			160
135	110	164													0.0	132.0	**9.0**						164
135	110	170																16.8	158.8	**7.7**			170
135	110	175																0.0	127.1	**7.3**			175
135	120	39	75.0	257.8	**33.4** *																		39
135	120	40	74.6	257.6	**33.0** *																		40

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle 90 Degrees Jib Angle (deg)	90 Degrees Tip Height (ft)	90 Degrees Capacity (kips)		85 Degrees Jib Angle (deg)	85 Degrees Tip Height (ft)	85 Degrees Capacity (kips)		80 Degrees Jib Angle (deg)	80 Degrees Tip Height (ft)	80 Degrees Capacity (kips)		75 Degrees Jib Angle (deg)	75 Degrees Tip Height (ft)	75 Degrees Capacity (kips)		70 Degrees Jib Angle (deg)	70 Degrees Tip Height (ft)	70 Degrees Capacity (kips)		65 Degrees Jib Angle (deg)	65 Degrees Tip Height (ft)	65 Degrees Capacity (kips)		Load Radius (ft)
135	120	50	69.6	254.3	**28.9**	*																				50
135	120	60	64.4	250.1	**25.6**	*																				60
135	120	61					70.0	253.7	**28.8**	*																61
135	120	70	59.0	244.7	**23.2**	*	65.3	249.9	**25.8**	*																70
135	120	80	53.2	238.0	**20.9**	*	59.9	244.8	**23.1**	*																80
135	120	82									65.0	247.7	**25.4**	*												82
135	120	90	47.0	229.6	**19.6**	*	54.2	238.3	**20.7**	*	60.8	243.7	**23.3**	*												90
135	120	100	40.0	219.1	**18.8**	*	48.1	230.2	**19.3**	*	55.2	237.4	**20.6**	*												100
135	120	103													60.0	239.9	**19.0**									103
135	120	110	31.9	205.3	**17.6**	*	41.3	220.1	**18.3**	*	49.1	229.7	**18.9**		56.0	235.4	**17.4**									110
135	120	120	21.2	185.3	**14.6**	*	33.4	207.0	**17.6**	*	42.5	219.9	**16.8**		50.0	227.9	**15.4**									120
135	120	123																	55.0	230.3	**13.6**					123
135	120	128	0.0	141.9	**9.5**	*																				128
135	120	130					23.4	188.6	**15.7**	*	34.8	207.4	**15.0**		43.5	218.5	**13.8**		50.7	224.8	**12.6**					130
135	120	140					0.0	140.9	**11.1**	*	25.3	190.1	**13.5**		36.0	206.4	**12.4**		44.2	215.6	**11.3**					140
135	120	142																					50.0	219.0	**10.0**	142
135	120	150									9.0	157.7	**12.2**		26.8	190.0	**11.2**		36.9	203.9	**10.1**		44.7	211.4	**9.1**	150
135	120	151									0.0	138.9	**12.1**													151
135	120	160													12.6	162.1	**10.1**		27.9	188.2	**9.2**		37.4	199.9	**8.2**	160
135	120	163													0.0	135.9	**9.9**									163
135	120	170																	14.8	162.6	**8.3**		28.6	184.6	**7.4**	170
135	120	174																	0.0	132.0	**8.0**					174
135	120	180																					16.1	160.3	**6.8**	180
135	120	185																					0.0	127.1	**6.4**	185
135	130	42	75.0	267.4	**30.4**	*																				42
135	130	50	71.2	264.9	**27.3**	*																				50
135	130	60	66.5	261.1	**24.1**	*																				60
135	130	64					70.0	263.1	**26.1**	*																64
135	130	70	61.6	256.2	**21.3**	*	67.3	260.8	**24.4**	*																70
135	130	80	56.4	250.2	**19.6**	*	62.4	256.2	**21.3**	*																80
135	130	86									65.0	256.7	**22.3**	*												86
135	130	90	51.0	242.8	**18.2**	*	57.4	250.4	**19.4**	*	63.2	255.0	**21.5**	*												90
135	130	100	45.0	233.8	**17.2**	*	51.9	243.3	**18.0**	*	58.2	249.4	**19.5**	*												100
135	130	108													60.0	248.5	**17.6**									108
135	130	110	38.4	222.6	**16.5**	*	46.1	234.6	**16.9**	*	52.8	242.5	**17.9**	*	58.9	247.3	**17.1**									110

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
135	130	120	30.6	208.1	**15.4**	*	39.6	223.8	**16.1**	*	47.1	234.1	**16.6**		53.6	240.6	**15.2**									120
135	130	128																	55.0	238.5	**12.5**					128
135	130	130	20.4	187.1	**12.6**	*	32.1	210.0	**15.5**	*	40.7	223.7	**14.8**		47.9	232.4	**13.5**		54.2	237.4	**12.3**					130
135	130	138	0.0	141.9	**8.2**	*																				138
135	130	140					22.5	190.6	**13.6**	*	33.4	210.5	**13.3**		41.7	222.4	**12.1**		48.6	229.4	**11.0**					140
135	130	148																					50.0	226.6	**9.0**	148
135	130	150					0.0	140.9	**9.6**	*	24.3	192.3	**12.0**		34.5	209.6	**11.0**		42.4	219.6	**9.9**		49.0	225.1	**8.9**	150
135	130	160									8.7	158.5	**10.9**		25.7	192.4	**9.9**		35.4	207.2	**8.9**		42.8	215.4	**8.0**	160
135	130	161									0.0	138.9	**10.5**	*												161
135	130	170													12.1	163.2	**9.0**		26.8	190.6	**8.1**		35.9	203.3	**7.2**	170
135	130	173													0.0	136.0	**8.8**									173
135	130	180																	14.2	163.9	**7.3**		27.5	187.1	**6.5**	180
135	130	184																	0.0	132.0	**7.1**					184
135	130	190																					15.4	161.6	**5.9**	190
135	130	195																					0.0	127.1	**5.6**	195
135	140	44	75.0	277.1	**27.6**	*																				44
135	140	50	72.6	275.5	**25.7**	*																				50
135	140	60	68.2	271.9	**22.2**	*																				60
135	140	68					70.0	272.5	**23.6**	*																68
135	140	70	63.8	267.5	**20.0**	*	69.0	271.6	**23.0**	*																70
135	140	80	59.1	262.0	**18.3**	*	64.6	267.3	**20.2**	*																80
135	140	90	54.2	255.4	**17.0**	*	59.9	262.1	**18.2**	*																90
135	140	91									65.0	265.8	**20.2**	*												91
135	140	100	49.0	247.5	**15.9**	*	55.1	255.7	**16.8**	*	60.7	261.0	**18.4**	*												100
135	140	110	43.3	237.9	**15.0**	*	49.9	248.0	**15.7**	*	55.9	254.8	**16.8**	*												110
135	140	113													60.0	257.2	**16.3**									113
135	140	120	37.0	226.0	**14.5**	*	44.3	238.7	**14.8**	*	50.8	247.4	**15.6**	*	56.6	252.8	**14.9**									120
135	140	130	29.5	210.8	**13.2**	*	38.1	227.3	**14.1**	*	45.3	238.4	**14.6**		51.5	245.5	**13.3**									130
135	140	134																	55.0	246.6	**11.4**					134
135	140	140	19.6	188.9	**10.9**	*	30.9	212.8	**13.6**	*	39.2	227.4	**13.1**		46.1	236.8	**11.9**		52.1	242.4	**10.7**					140
135	140	148	0.0	141.9	**7.1**	*																				148
135	140	150					21.6	192.5	**11.7**	*	32.2	213.4	**11.8**		40.1	226.1	**10.7**		46.7	233.8	**9.6**					150
135	140	155																					50.0	234.3	**8.1**	155
135	140	160					0.0	140.9	**8.4**	*	23.4	194.5	**10.7**		33.2	212.6	**9.7**		40.8	223.4	**8.7**		47.1	229.6	**7.7**	160
135	140	170									8.3	159.2	**9.8**		24.8	194.6	**8.8**		34.0	210.3	**7.8**		41.2	219.3	**6.9**	170

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																				Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees					
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)			
135	140	171							0.0	138.9	**9.1** *												171
135	140	180										11.6	164.2	**8.0**	25.8	192.9	**7.1**	34.5	206.4	**6.2**			180
135	140	183										0.0	135.9	**7.8**									183
135	140	190													13.7	165.1	**6.5**	26.5	189.5	**5.6**			190
135	140	194													0.0	132.0	**6.2**						194
135	140	200																14.9	163.0	**5.1**			200
135	140	205																0.0	127.1	**4.9**			205
135	150	47	75.0	286.8	**24.3** *																		47
135	150	50	73.8	285.9	**23.9** *																		50
135	150	60	69.8	282.6	**20.9** *																		60
135	150	70	65.6	278.5	**18.8** *																		70
135	150	71				70.0	281.9	**20.9** *															71
135	150	80	61.4	273.5	**17.1** *	66.4	278.3	**19.0** *															80
135	150	90	56.9	267.6	**15.8** *	62.1	273.5	**17.2** *															90
135	150	95							65.0	274.9	**18.3** *												95
135	150	100	52.2	260.4	**14.7** *	57.7	267.7	**15.7** *	62.8	272.4	**17.4** *												100
135	150	110	47.2	252.0	**13.8** *	53.1	260.8	**14.6** *	58.4	266.7	**15.8** *												110
135	150	118										60.0	265.8	**15.0**									118
135	150	120	41.8	241.8	**13.1** *	48.1	252.6	**13.6** *	53.8	260.0	**14.5** *	59.1	264.6	**14.6**									120
135	150	130	35.7	229.3	**12.6** *	42.8	242.7	**12.9** *	48.9	252.0	**13.5** *	54.5	258.0	**13.0**									130
135	150	140	28.5	213.3	**11.4** *	36.8	230.7	**12.3** *	43.7	242.5	**12.7** *	49.7	250.3	**11.7**	55.0	254.8	**10.5**						140
135	150	150	18.9	190.6	**9.4** *	29.8	215.5	**11.9** *	37.8	230.9	**11.6**	44.4	240.9	**10.5**	50.2	247.2	**9.4**						150
135	150	158	0.0	141.9	**6.0** *																		158
135	150	160				20.9	194.4	**10.1** *	31.0	216.3	**10.5**	38.7	229.7	**9.5**	45.0	238.1	**8.4**						160
135	150	161																50.0	241.9	**7.3**			161
135	150	170				0.0	140.9	**7.2** *	22.6	196.5	**9.5**	32.1	215.6	**8.6**	39.3	227.0	**7.6**	45.4	233.9	**6.7**			170
135	150	180							8.1	160.0	**8.6** *	23.9	196.8	**7.8**	32.8	213.3	**6.9**	39.8	223.0	**6.0**			180
135	150	181							0.0	139.0	**7.8** *												181
135	150	190										11.3	165.2	**7.1**	24.9	195.2	**6.2**	33.3	209.5	**5.4**			190
135	150	193										0.0	135.9	**6.9**									193
135	150	200													13.2	166.3	**5.6**	25.6	191.8	**4.8**			200
135	150	204													0.0	132.0	**5.4**						204
135	150	210																14.4	164.2	**4.4**			210
135	150	215																0.0	127.1	**4.1**			215

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
135	160	49	75.0	296.4	**21.1**	*																									49
135	160	50	74.8	296.3	**21.1**	*																									50
135	160	60	71.1	293.2	**19.7**	*																									60
135	160	70	67.2	289.4	**17.7**	*																									70
135	160	75					70.0	291.3	**18.9**	*																					75
135	160	80	63.3	284.8	**16.0**	*	67.9	289.2	**17.9**	*																					80
135	160	90	59.2	279.3	**14.7**	*	64.0	284.7	**16.2**	*																					90
135	160	99									65.0	283.9	**16.5**	*																	99
135	160	100	55.0	272.9	**13.6**	*	59.9	279.4	**14.7**	*	64.6	283.5	**16.3**	*																	100
135	160	110	50.4	265.2	**12.7**	*	55.7	273.1	**13.5**	*	60.6	278.3	**14.9**	*																	110
135	160	120	45.6	256.2	**12.0**	*	51.3	265.7	**12.6**	*	56.4	272.2	**13.6**	*																	120
135	160	123													60.0	274.5	**13.9**														123
135	160	130	40.4	245.5	**11.4**	*	46.5	257.0	**11.8**	*	52.0	265.0	**12.5**	*	57.0	270.1	**12.8**														130
135	160	140	34.5	232.5	**11.0**	*	41.3	246.6	**11.2**	*	47.3	256.5	**11.7**	*	52.6	263.1	**11.4**														140
135	160	146																	55.0	263.0	**9.5**										146
135	160	150	27.5	215.8	**9.8**	*	35.6	234.0	**10.8**	*	42.2	246.4	**11.1**	*	48.0	254.8	**10.2**		53.1	259.9	**9.1**										150
135	160	160	18.3	192.2	**8.0**	*	28.9	218.1	**10.3**	*	36.6	234.2	**10.3**		42.9	244.9	**9.2**		48.5	251.8	**8.2**										160
135	160	167																					50.0	249.6	**6.6**						167
135	160	168	0.0	141.9	**5.0**	*																									168
135	160	170					20.2	196.2	**8.7**	*	30.0	219.0	**9.3**		37.4	233.1	**8.3**		43.5	242.1	**7.3**		48.8	247.5	**6.4**						170
135	160	180					0.0	141.0	**6.2**	*	21.8	198.4	**8.5**		31.0	218.4	**7.5**		38.0	230.5	**6.6**		43.9	238.0	**5.7**						180
135	160	190									7.8	160.7	**7.4**	*	23.2	198.8	**6.8**		31.8	216.2	**6.0**		38.4	226.5	**5.1**						190
135	160	191									0.0	139.0	**6.7**	*																	191
135	160	200													10.9	166.2	**6.2**		24.1	197.4	**5.4**		32.3	212.4	**4.6**						200
135	160	203													0.0	135.9	**6.0**														203
135	160	210																	12.8	167.4	**4.9**		24.7	194.0	**4.1**						210
135	160	214																	0.0	132.0	**4.7**										214
135	160	220																					13.9	165.5	**3.7**						220
135	160	225																					0.0	127.1	**3.5**						225
145	80	29	75.0	229.1	**43.8**	*																									29
145	80	30	74.1	228.8	**43.3**	*																									30
145	80	35	70.4	227.2	**41.3**	*																									35
145	80	40	66.5	225.2	**39.4**	*																									40
145	80	48					70.0	226.0	**39.6**	*																					48
145	80	50	58.4	220.0	**35.2**	*	68.5	225.3	**38.8**	*																					50

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																							Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
145	80	60	49.6	212.8	**31.8**	*	60.6	220.6	**34.8**	*																60
145	80	67									65.0	221.3	**35.6**	*												67
145	80	70	39.3	202.6	**28.9**	*	52.0	213.9	**31.5**	*	62.6	219.8	**34.6**	*												70
145	80	80	26.0	187.0	**26.5**	*	42.2	204.6	**28.7**	*	54.2	213.7	**29.3**													80
145	80	85													60.0	214.9	**24.8**									85
145	80	88	0.0	151.9	**17.1**	*																				88
145	80	90					30.0	190.9	**26.4**	*	44.8	205.1	**25.2**		56.2	212.1	**23.2**									90
145	80	100					7.8	161.7	**21.7**	*	33.4	192.8	**22.2**		47.0	204.1	**20.5**									100
145	80	101					0.0	150.9	**19.4**	*																101
145	80	103																	55.0	206.9	**18.0**					103
145	80	110									16.3	171.2	**19.5**		36.2	192.9	**18.0**		48.9	201.6	**16.6**					110
145	80	113									0.0	148.8	**18.8**													113
145	80	120													21.3	174.7	**16.1**		38.5	191.2	**14.7**		50.0	197.4	**13.3**	120
145	80	125													0.0	145.6	**15.1**									125
145	80	130																	24.8	175.0	**13.2**		40.2	187.8	**12.0**	130
145	80	137																	0.0	141.4	**12.1**					137
145	80	140																					27.3	172.8	**10.8**	140
145	80	149																					0.0	136.1	**9.8**	149
145	90	31	75.0	238.8	**40.3**	*																				31
145	90	35	72.6	237.8	**39.0**	*																				35
145	90	40	69.3	236.0	**37.2**	*																				40
145	90	50	62.3	231.5	**33.2**	*																				50
145	90	51					70.0	235.4	**36.1**	*																51
145	90	60	54.8	225.4	**30.1**	*	64.1	231.9	**33.0**	*																60
145	90	70	46.6	217.2	**27.4**	*	56.8	226.2	**29.9**	*																70
145	90	71									65.0	230.3	**32.4**	*												71
145	90	80	37.0	206.0	**25.1**	*	48.8	218.6	**27.2**	*	58.7	225.7	**29.0**													80
145	90	90	24.5	189.2	**22.3**	*	39.7	208.3	**25.0**	*	50.9	218.6	**24.9**		60.0	223.5	**22.8**									90
145	90	98	0.0	151.9	**14.8**	*																				98
145	90	100					28.3	193.5	**23.0**	*	42.1	209.1	**21.9**		52.7	217.2	**20.2**									100
145	90	109																	55.0	215.1	**16.5**					109
145	90	110					7.3	162.4	**19.0**	*	31.4	195.7	**19.4**		44.2	208.3	**17.8**		54.2	214.4	**16.3**					110
145	90	111					0.0	150.9	**16.8**	*																111
145	90	120									15.4	172.6	**17.2**		34.1	196.0	**15.8**		45.9	206.0	**14.5**					120
145	90	123									0.0	148.8	**16.6**													123

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																					Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	
145	90	127																					50.0	205.0	**12.1**	127
145	90	130													20.1	176.5	**14.2**		36.2	194.5	**12.9**		47.3	202.2	**11.7**	130
145	90	135													0.0	145.6	**13.4**									135
145	90	140																	23.4	177.1	**11.6**		37.8	191.3	**10.5**	140
145	90	147																	0.0	141.4	**10.8**					147
145	90	150																					25.7	175.2	**9.5**	150
145	90	159																					0.0	136.1	**8.6**	159
145	100	34	75.0	248.5	**37.0**	*																				34
145	100	35	74.4	248.2	**36.7**	*																				35
145	100	40	71.4	246.7	**35.1**	*																				40
145	100	50	65.2	242.7	**31.3**	*																				50
145	100	55					70.0	244.8	**32.9**	*																55
145	100	60	58.7	237.4	**28.2**	*	66.9	242.8	**31.3**	*																60
145	100	70	51.8	230.4	**25.9**	*	60.5	237.9	**28.3**	*																70
145	100	75									65.0	239.4	**29.4**	*												75
145	100	80	44.0	221.4	**23.7**	*	53.7	231.4	**25.8**	*	62.1	237.2	**28.2**	*												80
145	100	90	35.0	209.3	**21.7**	*	46.2	223.0	**23.7**	*	55.4	231.1	**24.6**													90
145	100	95													60.0	232.2	**21.2**									95
145	100	100	23.2	191.3	**19.7**	*	37.6	211.8	**21.6**	*	48.1	223.2	**21.7**		57.0	229.4	**19.9**									100
145	100	108	0.0	151.9	**12.8**	*																				108
145	100	110					26.8	195.9	**20.1**	*	39.8	212.8	**19.1**		49.8	222.0	**17.5**									110
145	100	115																	55.0	223.3	**15.1**					115
145	100	120					7.0	163.0	**16.3**	*	29.8	198.5	**17.0**		41.8	212.3	**15.6**		51.2	219.3	**14.2**					120
145	100	121					0.0	150.9	**14.6**	*																121
145	100	130									14.6	173.9	**15.3**		32.3	199.0	**14.0**		43.4	210.1	**12.7**					130
145	100	133									0.0	148.8	**14.7**										50.0	212.7	**11.0**	133
145	100	140													19.0	178.2	**12.6**		34.3	197.7	**11.4**		44.7	206.4	**10.2**	140
145	100	145													0.0	145.6	**11.9**									145
145	100	150																	22.2	179.1	**10.3**		35.8	194.6	**9.2**	150
145	100	157																	0.0	141.4	**9.5**					157
145	100	160																					24.4	177.4	**8.3**	160
145	100	169																					0.0	136.1	**7.6**	169
145	110	37	75.0	258.1	**34.0**	*																				37
145	110	40	73.2	257.1	**33.0**	*																				40

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
145	110	50	67.6	253.6	**29.7**	*																									50
145	110	58					70.0	254.2	**29.9**	*																					58
145	110	60	61.9	248.9	**26.5**	*	69.1	253.6	**29.5**	*																					60
145	110	70	55.8	242.8	**24.2**	*	63.4	249.2	**26.8**	*																					70
145	110	80	49.2	235.1	**22.0**	*	57.4	243.5	**24.2**	*	65.0	248.5	**26.7**	*																	80
145	110	90	41.9	225.3	**20.5**	*	51.0	236.3	**21.8**	*	58.9	243.0	**24.4**																		90
145	110	100	33.4	212.4	**19.0**	*	43.9	227.1	**20.5**	*	52.6	236.2	**21.5**		60.0	240.9	**19.5**														100
145	110	110	22.2	193.3	**16.9**	*	35.8	215.1	**19.0**	*	45.7	227.5	**18.9**		54.1	234.7	**17.3**														110
145	110	118	0.0	151.9	**11.1**	*																									118
145	110	120					25.5	198.3	**17.7**	*	37.9	216.4	**16.8**		47.3	226.5	**15.3**		55.0	231.5	**13.8**										120
145	110	130					6.6	163.6	**14.2**	*	28.4	201.1	**15.1**		39.8	216.0	**13.7**		48.7	224.0	**12.4**										130
145	110	131					0.0	150.9	**12.8**	*																					131
145	110	140									13.9	175.2	**13.6**		30.8	201.8	**12.3**		41.3	214.0	**11.1**		50.0	220.4	**10.0**						140
145	110	143									0.0	148.8	**13.1**																		143
145	110	150													18.1	179.9	**11.2**		32.7	200.7	**10.0**		42.5	210.4	**9.0**						150
145	110	155													0.0	145.6	**10.6**														155
145	110	160																	21.1	181.0	**9.1**		34.1	197.8	**8.1**						160
145	110	167																	0.0	141.4	**8.4**										167
145	110	170																					23.2	179.5	**7.3**						170
145	110	179																					0.0	136.2	**6.7**						179
145	120	39	75.0	267.8	**31.1**	*																									39
145	120	40	74.6	267.6	**30.9**	*																									40
145	120	50	69.6	264.3	**27.9**	*																									50
145	120	60	64.4	260.1	**24.9**	*																									60
145	120	62					70.0	263.6	**27.2**	*																					62
145	120	70	59.0	254.7	**22.1**	*	65.8	260.3	**25.2**	*																					70
145	120	80	53.2	248.0	**20.5**	*	60.4	255.2	**22.2**	*																					80
145	120	84									65.0	257.5	**24.2**	*																	84
145	120	90	47.0	239.6	**19.2**	*	54.7	248.9	**20.4**	*	61.8	254.5	**23.0**	*																	90
145	120	100	40.0	229.1	**17.9**	*	48.7	241.0	**19.0**	*	56.2	248.5	**20.5**	*																	100
145	120	105													60.0	249.5	**18.0**														105
145	120	110	31.9	215.3	**16.7**	*	41.9	231.1	**17.9**	*	50.2	241.0	**18.7**		57.5	246.8	**17.0**														110
145	120	120	21.2	195.3	**14.6**	*	34.2	218.3	**16.7**	*	43.7	231.7	**16.6**		51.6	239.6	**15.1**														120
145	120	126																	55.0	239.7	**12.7**										126
145	120	128	0.0	151.9	**9.6**	*																									128

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																							Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
145	120	130					24.4	200.5	**15.6**	*	36.2	219.7	**14.8**		45.2	230.8	**13.5**		52.8	236.9	**12.1**						130
145	120	140					6.4	164.2	**12.3**	*	27.1	203.5	**13.4**		38.0	219.5	**12.1**		46.5	228.4	**10.9**						140
145	120	141					0.0	150.9	**11.2**	*																	141
145	120	146																					50.0	228.0	**9.0**		146
145	120	150									13.3	176.4	**12.1**		29.4	204.5	**10.9**		39.5	217.7	**9.8**		47.5	224.6	**8.7**		150
145	120	153									0.0	148.8	**11.7**														153
145	120	160													17.4	181.4	**9.9**		31.2	203.6	**8.8**		40.6	214.2	**7.8**		160
145	120	165													0.0	145.6	**9.4**										165
145	120	170																	20.2	182.8	**8.0**		32.6	200.8	**7.1**		170
145	120	177																	0.0	141.4	**7.4**						177
145	120	180																					22.2	181.5	**6.4**		180
145	120	189																					0.0	136.2	**5.8**		189
145	130	42	75.0	277.4	**28.3**	*																					42
145	130	50	71.2	274.9	**26.2**	*																					50
145	130	60	66.5	271.1	**23.5**	*																					60
145	130	65					70.0	273.0	**24.7**	*																	65
145	130	70	61.6	266.2	**20.8**	*	67.7	271.2	**23.7**	*																	70
145	130	80	56.4	260.2	**19.1**	*	62.9	266.6	**21.0**	*																	80
145	130	88									65.0	266.6	**21.8**	*													88
145	130	90	51.0	252.8	**17.8**	*	57.8	260.9	**19.1**	*	64.1	265.7	**21.4**	*													90
145	130	100	45.0	243.8	**16.8**	*	52.4	253.9	**17.7**	*	59.1	260.3	**19.4**	*													100
145	130	110	38.4	232.6	**15.6**	*	46.6	245.4	**16.6**	*	53.8	253.7	**17.7**	*	60.0	258.2	**16.6**										110
145	130	120	30.6	218.1	**14.6**	*	40.2	234.8	**15.7**	*	48.1	245.6	**16.3**		55.0	252.1	**14.8**										120
145	130	130	20.4	197.1	**12.6**	*	32.8	221.3	**14.6**	*	41.9	235.6	**14.6**		49.4	244.4	**13.2**										130
145	130	132																	55.0	247.8	**11.6**						132
145	130	138	0.0	151.9	**8.3**	*																					138
145	130	140					23.5	202.6	**13.7**	*	34.8	222.9	**13.1**		43.4	234.8	**11.9**		50.6	241.7	**10.6**						140
145	130	150					6.1	164.7	**10.6**	*	26.1	205.9	**11.9**		36.5	222.9	**10.7**		44.6	232.6	**9.5**						150
145	130	151					0.0	150.9	**9.7**	*																	151
145	130	152																					50.0	235.7	**8.2**		152
145	130	160									12.8	177.5	**10.8**		28.2	207.1	**9.7**		37.9	221.2	**8.6**		45.5	228.9	**7.5**		160
145	130	163									0.0	148.8	**10.3**	*													163
145	130	170													16.7	182.9	**8.8**		30.0	206.3	**7.8**		39.0	217.8	**6.8**		170
145	130	175													0.0	145.6	**8.3**										175
145	130	180																	19.4	184.6	**7.0**		31.3	203.6	**6.1**		180

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																							Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
145	130	187																	0.0	141.4	**6.6**						187
145	130	190																					21.3	183.4	**5.5**		190
145	130	199																					0.0	136.2	**5.0**		199
145	140	44	75.0	287.1	**25.1**	*																					44
145	140	50	72.6	285.5	**24.4**	*																					50
145	140	60	68.2	281.9	**21.6**	*																					60
145	140	69					70.0	282.4	**22.3**	*																	69
145	140	70	63.8	277.5	**19.5**	*	69.4	281.9	**22.0**	*																	70
145	140	80	59.1	272.0	**17.9**	*	65.0	277.7	**19.8**	*																	80
145	140	90	54.2	265.4	**16.5**	*	60.3	272.5	**17.9**	*																	90
145	140	92									65.0	275.7	**19.7**	*													92
145	140	100	49.0	257.5	**15.5**	*	55.5	266.3	**16.5**	*	61.5	271.8	**18.3**	*													100
145	140	110	43.3	247.9	**14.7**	*	50.4	258.7	**15.4**	*	56.7	265.8	**16.7**	*													110
145	140	115													60.0	266.8	**15.4**										115
145	140	120	37.0	236.0	**13.6**	*	44.8	249.6	**14.5**	*	51.7	258.6	**15.4**	*	57.8	264.1	**14.6**										120
145	140	130	29.5	220.8	**12.8**	*	38.7	238.4	**13.7**	*	46.3	249.9	**14.4**		52.9	257.2	**13.0**										130
145	140	138																	55.0	256.0	**10.6**						138
145	140	140	19.6	198.9	**10.8**	*	31.6	224.2	**12.8**	*	40.3	239.3	**12.9**		47.5	248.9	**11.6**		53.8	254.4	**10.3**						140
145	140	148	0.0	151.9	**7.1**	*																					148
145	140	150					22.6	204.6	**11.9**	*	33.5	226.0	**11.7**		41.7	238.7	**10.4**		48.6	246.4	**9.3**						150
145	140	159																					50.0	243.3	**7.3**		159
145	140	160					5.9	165.2	**9.2**	*	25.1	208.2	**10.6**		35.1	226.1	**9.4**		42.9	236.6	**8.3**		49.4	242.4	**7.3**		160
145	140	161					0.0	150.9	**8.4**	*																	161
145	140	170									12.3	178.6	**9.6**		27.2	209.6	**8.6**		36.5	224.6	**7.5**		43.8	233.0	**6.5**		170
145	140	173									0.0	148.8	**9.0**	*													173
145	140	180													16.1	184.4	**7.8**		28.9	209.0	**6.8**		37.5	221.3	**5.9**		180
145	140	185													0.0	145.6	**7.4**										185
145	140	190																	18.7	186.3	**6.2**		30.1	206.4	**5.3**		190
145	140	197																	0.0	141.4	**5.7**						197
145	140	200																					20.6	185.3	**4.8**		200
145	140	209																					0.0	136.2	**4.3**		209
145	150	47	75.0	296.8	**21.9**	*																					47
145	150	50	73.8	295.9	**21.6**	*																					50
145	150	60	69.8	292.6	**20.3**	*																					60

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
145	150	70	65.6	288.5	**18.3**	*																									70
145	150	72					70.0	291.8	**20.2**	*																					72
145	150	80	61.4	283.5	**16.7**	*	66.7	288.7	**18.7**	*																					80
145	150	90	56.9	277.6	**15.4**	*	62.5	283.9	**16.9**	*																					90
145	150	97									65.0	284.7	**17.8**	*																	97
145	150	100	52.2	270.4	**14.3**	*	58.1	278.2	**15.4**	*	63.6	283.1	**17.2**	*																	100
145	150	110	47.2	262.0	**13.4**	*	53.5	271.4	**14.3**	*	59.2	277.6	**15.7**	*																	110
145	150	120	41.8	251.8	**12.7**	*	48.6	263.3	**13.4**	*	54.7	271.1	**14.4**	*	60.0	275.5	**14.2**														120
145	150	130	35.7	239.3	**11.9**	*	43.2	253.6	**12.6**	*	49.8	263.4	**13.4**	*	55.7	269.5	**12.7**														130
145	150	140	28.5	223.3	**11.1**	*	37.3	241.8	**11.9**	*	44.6	254.1	**12.6**	*	50.9	262.1	**11.4**														140
145	150	143																	55.0	264.2	**9.7**										143
145	150	150	18.9	200.6	**9.3**	*	30.5	227.0	**11.2**	*	38.9	242.9	**11.4**		45.8	253.2	**10.2**		51.9	259.4	**9.0**										150
145	150	158	0.0	151.9	**6.1**	*																									158
145	150	160					21.8	206.6	**10.3**	*	32.3	228.9	**10.3**		40.2	242.5	**9.2**		46.8	250.8	**8.1**										160
145	150	165																					50.0	251.0	**6.6**						165
145	150	170					5.7	165.7	**7.9**	*	24.2	210.3	**9.4**		33.9	229.2	**8.3**		41.4	240.5	**7.3**		47.6	246.9	**6.2**						170
145	150	171					0.0	150.9	**7.3**	*																					171
145	150	180									11.9	179.7	**8.5**		26.3	211.9	**7.5**		35.2	227.8	**6.6**		42.2	236.9	**5.6**						180
145	150	183									0.0	148.8	**7.8**	*																	183
145	150	190													15.5	185.7	**6.9**		27.9	211.5	**5.9**		36.2	224.6	**5.0**						190
145	150	195													0.0	145.7	**6.5**														195
145	150	200																	18.1	187.9	**5.4**		29.1	209.0	**4.5**						200
145	150	207																	0.0	141.4	**5.0**										207
145	150	210																					19.9	187.0	**4.0**						210
145	150	219																					0.0	136.2	**3.6**						219
145	160	49	75.0	306.4	**19.0**	*																									49
145	160	50	74.8	306.3	**18.9**	*																									50
145	160	60	71.1	303.2	**18.1**	*																									60
145	160	70	67.2	299.4	**17.1**	*																									70
145	160	75					70.0	301.2	**18.2**	*																					75
145	160	80	63.3	294.8	**15.5**	*	68.3	299.5	**17.5**	*																					80
145	160	90	59.2	289.3	**14.3**	*	64.3	295.1	**15.8**	*																					90
145	160	100	55.0	282.9	**13.2**	*	60.3	289.9	**14.4**	*																					100
145	160	101									65.0	293.8	**16.0**	*																	101
145	160	110	50.4	275.2	**12.3**	*	56.1	283.7	**13.3**	*	61.3	289.1	**14.7**	*																	110

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
145	160	120	45.6	266.2	**11.6**	*	51.7	276.4	**12.3**	*	57.2	283.2	**13.4**	*												120
145	160	125													60.0	284.2	**13.1**									125
145	160	130	40.4	255.5	**10.8**	*	46.9	267.8	**11.6**	*	52.8	276.2	**12.4**	*	58.1	281.4	**12.4**									130
145	160	140	34.5	242.5	**9.9**	*	41.8	257.5	**10.9**	*	48.1	267.9	**11.6**	*	53.8	274.7	**11.1**									140
145	160	149																	55.0	272.4	**8.8**					149
145	160	150	27.5	225.8	**9.2**	*	36.1	245.2	**10.3**	*	43.1	258.1	**10.9**	*	49.2	266.7	**9.9**		54.6	271.8	**8.7**					150
145	160	160	18.3	202.2	**8.0**	*	29.5	229.6	**9.7**	*	37.6	246.4	**10.1**		44.3	257.3	**9.0**		50.1	264.1	**7.8**					160
145	160	168	0.0	151.9	**5.1**	*																				168
145	160	170					21.1	208.5	**8.9**	*	31.3	231.8	**9.2**		38.9	246.1	**8.1**		45.3	255.0	**7.0**					170
145	160	172																					50.0	258.7	**5.9**	172
145	160	180					5.5	166.2	**6.8**	*	23.5	212.5	**8.3**		32.8	232.2	**7.3**		40.0	244.2	**6.3**		46.0	251.3	**5.3**	180
145	160	181					0.0	150.9	**6.2**	*																181
145	160	190									11.5	180.7	**7.6**		25.4	214.2	**6.6**		34.0	230.9	**5.7**		40.8	240.7	**4.8**	190
145	160	193									0.0	148.8	**6.7**	*												193
145	160	200													15.0	187.1	**6.0**		27.0	213.9	**5.1**		35.0	227.8	**4.2**	200
145	160	205													0.0	145.7	**5.7**									205
145	160	210																	17.5	189.5	**4.6**		28.1	211.6	**3.8**	210
145	160	217																	0.0	141.4	**4.3**					217
145	160	220																					19.2	188.8	**3.4**	220
145	160	229																					0.0	136.2	**3.0**	229
155	80	29	75.0	239.1	**40.5**	*																				29
155	80	30	74.1	238.8	**40.1**	*																				30
155	80	35	70.4	237.2	**38.3**	*																				35
155	80	40	66.5	235.2	**36.6**	*																				40
155	80	49					70.0	236.0	**36.7**	*																49
155	80	50	58.4	230.0	**33.0**	*	69.2	235.6	**36.3**	*																50
155	80	60	49.6	222.8	**29.8**	*	61.3	231.0	**32.8**	*																60
155	80	69									65.0	231.1	**33.1**	*												69
155	80	70	39.3	212.6	**27.2**	*	52.8	224.5	**29.7**	*	64.0	230.5	**32.7**	*												70
155	80	80	26.0	197.0	**25.0**	*	43.1	215.5	**27.1**	*	55.7	224.7	**28.9**													80
155	80	88	0.0	161.9	**17.2**	*									60.0	224.5	**23.4**									88
155	80	90					31.3	202.3	**25.0**	*	46.5	216.7	**24.9**		58.4	223.4	**22.8**									90
155	80	100					11.5	176.8	**21.1**	*	35.6	205.2	**21.9**		49.5	216.1	**20.1**									100
155	80	102					0.0	160.8	**18.8**	*																102
155	80	107																	55.0	216.3	**16.7**					107

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
155	80	110									20.3	186.3	**19.3**		39.3	205.9	**17.7**		52.1	213.9	**16.1**						110
155	80	115									0.0	158.6	**17.9**	*													115
155	80	120													25.9	190.2	**15.7**		42.3	204.6	**14.3**						120
155	80	125																					50.0	206.4	**12.2**		125
155	80	128													0.0	155.3	**14.4**										128
155	80	130																	30.1	190.9	**12.8**		44.7	201.4	**11.5**		130
155	80	140																	8.2	162.2	**11.5**		33.3	189.1	**10.3**		140
155	80	141																	0.0	150.8	**11.4**						141
155	80	150																					16.1	167.4	**9.3**		150
155	80	153																					0.0	145.2	**9.0**		153
155	90	31	75.0	248.8	**37.3**	*																					31
155	90	35	72.6	247.8	**36.1**	*																					35
155	90	40	69.3	246.0	**34.6**	*																					40
155	90	50	62.3	241.5	**31.1**	*																					50
155	90	52					70.0	245.4	**33.5**	*																	52
155	90	60	54.8	235.4	**28.2**	*	64.8	242.2	**31.0**	*																	60
155	90	70	46.6	227.2	**25.7**	*	57.5	236.7	**28.1**	*																	70
155	90	73									65.0	240.2	**30.1**	*													73
155	90	80	37.0	216.0	**23.6**	*	49.5	229.3	**25.7**	*	60.0	236.5	**28.2**	*													80
155	90	90	24.5	199.2	**21.7**	*	40.5	219.3	**23.6**	*	52.3	229.8	**24.6**														90
155	90	93													60.0	233.2	**21.7**										93
155	90	98	0.0	161.9	**14.9**	*																					98
155	90	100					29.4	205.0	**21.7**	*	43.7	220.8	**21.7**		54.8	228.8	**19.8**										100
155	90	110					10.8	177.8	**18.5**	*	33.5	208.3	**19.1**		46.5	220.5	**17.4**										110
155	90	112					0.0	160.8	**16.6**	*									55.0	224.5	**15.3**						112
155	90	120									19.1	188.1	**17.0**		36.9	209.3	**15.5**		48.9	218.6	**14.0**						120
155	90	125									0.0	158.6	**15.8**	*													125
155	90	130													24.4	192.5	**13.9**		39.8	208.3	**12.5**						130
155	90	131																					50.0	214.1	**11.1**		131
155	90	138													0.0	155.3	**12.7**										138
155	90	140																	28.4	193.5	**11.3**		42.0	205.4	**10.0**		140
155	90	150																	7.7	162.9	**10.1**		31.4	192.0	**9.0**		150
155	90	151																	0.0	150.8	**10.0**						151
155	90	160																					15.2	168.7	**8.2**		160
155	90	163																					0.0	145.2	**7.9**		163

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
155	100	34	75.0	258.5	**34.2**	*																									34
155	100	35	74.4	258.2	**34.0**	*																									35
155	100	40	71.4	256.7	**32.6**	*																									40
155	100	50	65.2	252.7	**29.4**	*																									50
155	100	56					70.0	254.8	**30.5**	*																					56
155	100	60	58.7	247.4	**26.7**	*	67.4	253.2	**29.3**	*																					60
155	100	70	51.8	240.4	**24.3**	*	61.1	248.3	**26.6**	*																					70
155	100	77									65.0	249.2	**27.3**	*																	77
155	100	80	44.0	231.4	**22.1**	*	54.3	242.0	**24.3**	*	63.2	247.9	**26.7**	*																	80
155	100	90	35.0	219.3	**20.5**	*	46.8	233.8	**22.2**	*	56.6	242.1	**24.3**																		90
155	100	98													60.0	241.9	**20.0**														98
155	100	100	23.2	201.3	**19.1**	*	38.4	222.9	**20.5**	*	49.4	234.6	**21.4**		58.7	240.7	**19.5**														100
155	100	108	0.0	161.9	**12.9**	*																									108
155	100	110					27.9	207.6	**19.1**	*	41.4	224.7	**18.9**		51.7	233.8	**17.2**														110
155	100	118																	55.0	232.7	**14.0**										118
155	100	120					10.3	178.7	**16.3**	*	31.7	211.2	**16.8**		44.0	224.7	**15.3**		53.7	231.4	**13.7**										120
155	100	122					0.0	160.8	**14.6**	*																					122
155	100	130									18.1	189.7	**15.1**		35.0	212.6	**13.7**		46.2	223.0	**12.2**										130
155	100	135									0.0	158.6	**13.9**	*																	135
155	100	137																					50.0	221.8	**10.0**						137
155	100	140													23.2	194.6	**12.3**		37.6	211.8	**11.0**		48.0	219.5	**9.7**						140
155	100	148													0.0	155.3	**11.3**														148
155	100	150																	26.9	196.0	**9.9**		39.8	209.1	**8.8**						150
155	100	160																	7.3	163.5	**9.0**		29.7	194.7	**7.9**						160
155	100	161																	0.0	150.8	**8.9**										161
155	100	170																					14.4	170.0	**7.2**						170
155	100	173																					0.0	145.2	**6.9**						173
155	110	37	75.0	268.1	**31.4**	*																									37
155	110	40	73.2	267.1	**30.6**	*																									40
155	110	50	67.6	263.6	**27.7**	*																									50
155	110	59					70.0	264.2	**27.8**	*																					59
155	110	60	61.9	258.9	**25.1**	*	69.6	263.9	**27.6**	*																					60
155	110	70	55.8	252.8	**22.9**	*	63.9	259.6	**25.1**	*																					70
155	110	80	49.2	245.1	**20.9**	*	57.9	254.1	**23.0**	*																					80

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																							Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
155	110	81									65.0	258.3	**24.8**	*												81
155	110	90	41.9	235.3	**19.3**	*	51.6	247.0	**21.0**	*	60.0	253.9	**23.1**	*												90
155	110	100	33.4	222.4	**17.9**	*	44.5	238.0	**19.4**	*	53.8	247.3	**21.1**	*												100
155	110	103													60.0	250.5	**18.5**									103
155	110	110	22.2	203.3	**16.7**	*	36.5	226.3	**18.0**	*	47.0	239.0	**18.7**		55.7	246.2	**16.9**									110
155	110	118	0.0	161.9	**11.2**	*																				118
155	110	120					26.6	210.0	**16.8**	*	39.4	228.4	**16.6**		49.2	238.5	**15.0**									120
155	110	124																	55.0	240.9	**12.8**					124
155	110	130					9.8	179.6	**14.3**	*	30.2	214.0	**14.9**		41.8	228.6	**13.4**		51.0	236.3	**12.0**					130
155	110	132					0.0	160.8	**12.9**	*																132
155	110	140									17.3	191.3	**13.4**		33.3	215.6	**12.1**		44.0	227.1	**10.7**					140
155	110	144																					50.0	229.4	**9.1**	144
155	110	145									0.0	158.6	**12.3**	*												145
155	110	150													22.1	196.6	**10.9**		35.8	215.2	**9.7**		45.7	223.9	**8.5**	150
155	110	158													0.0	155.3	**10.0**									158
155	110	160																	25.6	198.3	**8.7**		37.8	212.7	**7.6**	160
155	110	170																	7.0	164.2	**7.9**		28.3	197.3	**6.9**	170
155	110	171																	0.0	150.8	**7.8**					171
155	110	180																					13.7	171.3	**6.2**	180
155	110	183																					0.0	145.2	**6.0**	183
155	120	39	75.0	277.8	**28.8**	*																				39
155	120	40	74.6	277.6	**28.6**	*																				40
155	120	50	69.6	274.3	**26.0**	*																				50
155	120	60	64.4	270.1	**23.6**	*																				60
155	120	63					70.0	273.6	**25.2**	*																63
155	120	70	59.0	264.7	**21.4**	*	66.2	270.6	**23.6**	*																70
155	120	80	53.2	258.0	**19.7**	*	60.9	265.7	**21.5**	*																80
155	120	86									65.0	267.4	**22.5**	*												86
155	120	90	47.0	249.6	**18.2**	*	55.3	259.4	**19.8**	*	62.7	265.2	**21.6**	*												90
155	120	100	40.0	239.1	**16.8**	*	49.2	251.7	**18.3**	*	57.2	259.5	**19.9**	*												100
155	120	108													60.0	259.2	**17.0**									108
155	120	110	31.9	225.3	**15.7**	*	42.6	242.0	**16.9**	*	51.3	252.3	**18.4**		58.9	258.0	**16.6**									110
155	120	120	21.2	205.3	**14.5**	*	34.9	229.5	**15.7**	*	44.9	243.3	**16.4**		53.2	251.3	**14.7**									120
155	120	128	0.0	161.9	**9.7**	*																				128
155	120	130					25.4	212.3	**14.7**	*	37.6	231.9	**14.6**		46.9	242.9	**13.2**		55.0	249.1	**11.7**					130

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
155	120	140					9.4	180.4	**12.5**	*	28.9	216.6	**13.2**		40.0	232.4	**11.8**		48.7	240.9	**10.5**										140
155	120	142					0.0	160.8	**11.2**	*																					142
155	120	150									16.5	192.7	**11.9**		31.8	218.6	**10.7**		42.0	231.0	**9.4**		50.0	237.1	**8.2**						150
155	120	155									0.0	158.6	**10.8**	*																	155
155	120	160													21.1	198.5	**9.7**		34.3	218.3	**8.5**		43.6	228.0	**7.4**						160
155	120	168													0.0	155.3	**8.9**														168
155	120	170																	24.5	200.6	**7.7**		36.2	216.0	**6.6**						170
155	120	180																	6.7	164.8	**7.0**		27.1	199.8	**6.0**						180
155	120	181																	0.0	150.8	**6.9**										181
155	120	190																					13.1	172.4	**5.4**						190
155	120	193																					0.0	145.2	**5.2**						193
155	130	42	75.0	287.4	**25.6**	*																									42
155	130	50	71.2	284.9	**24.3**	*																									50
155	130	60	66.5	281.1	**22.0**	*																									60
155	130	66					70.0	283.0	**22.9**	*																					66
155	130	70	61.6	276.2	**20.1**	*	68.1	281.5	**22.0**	*																					70
155	130	80	56.4	270.2	**18.5**	*	63.3	277.0	**20.2**	*																					80
155	130	90	51.0	262.8	**17.1**	*	58.3	271.4	**18.6**	*	65.0	276.4	**20.3**	*																	90
155	130	100	45.0	253.8	**15.8**	*	52.9	264.5	**17.2**	*	60.0	271.2	**18.7**	*																	100
155	130	110	38.4	242.6	**14.7**	*	47.2	256.2	**15.9**	*	54.7	264.8	**17.3**	*																	110
155	130	113													60.0	267.8	**15.7**														113
155	130	120	30.6	228.1	**13.7**	*	40.8	245.8	**14.8**	*	49.1	256.9	**16.1**		56.4	263.5	**14.5**														120
155	130	130	20.4	207.1	**12.5**	*	33.5	232.6	**13.8**	*	43.0	247.3	**14.4**		50.9	256.2	**12.9**														130
155	130	135																	55.0	257.2	**10.7**										135
155	130	138	0.0	161.9	**8.4**	*																									138
155	130	140					24.4	214.5	**12.9**	*	36.1	235.2	**13.0**		45.0	247.2	**11.6**		52.5	253.9	**10.2**										140
155	130	150					9.0	181.2	**11.0**	*	27.8	219.2	**11.7**		38.4	235.9	**10.4**		46.7	245.3	**9.1**										150
155	130	152					0.0	160.8	**9.8**	*																					152
155	130	157																					50.0	244.7	**7.3**						157
155	130	160									15.9	194.2	**10.6**		30.6	221.4	**9.4**		40.3	234.8	**8.2**		48.1	241.9	**7.1**						160
155	130	165									0.0	158.6	**9.4**	*																	165
155	130	170													20.3	200.3	**8.5**		32.9	221.3	**7.4**		41.8	231.9	**6.4**						170
155	130	178													0.0	155.3	**7.9**														178
155	130	180																	23.5	202.7	**6.7**		34.7	219.2	**5.7**						180
155	130	190																	6.4	165.3	**6.1**		26.0	202.1	**5.2**						190

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
155	130	191																	0.0	150.8	**6.0**					191
155	130	200																					12.6	173.6	**4.6**	200
155	130	203																					0.0	145.2	**4.5**	203
155	140	44	75.0	297.1	**22.4**	*																				44
155	140	50	72.6	295.5	**21.9**	*																				50
155	140	60	68.2	291.9	**20.6**	*																				60
155	140	69					70.0	292.4	**20.7**	*																69
155	140	70	63.8	287.5	**18.8**	*	69.8	292.2	**20.6**	*																70
155	140	80	59.1	282.0	**17.3**	*	65.3	288.1	**18.9**	*																80
155	140	90	54.2	275.4	**16.0**	*	60.8	283.0	**17.4**	*																90
155	140	94									65.0	285.5	**18.4**	*												94
155	140	100	49.0	267.5	**14.8**	*	55.9	276.8	**16.1**	*	62.3	282.6	**17.6**	*												100
155	140	110	43.3	257.9	**13.7**	*	50.8	269.4	**14.9**	*	57.6	276.8	**16.3**	*												110
155	140	118													60.0	276.5	**14.5**									118
155	140	120	37.0	246.0	**12.8**	*	45.3	260.4	**13.8**	*	52.6	269.8	**15.1**	*	59.1	275.4	**14.2**									120
155	140	130	29.5	230.8	**11.9**	*	39.3	249.4	**12.9**	*	47.2	261.4	**14.0**	*	54.2	268.8	**12.6**									130
155	140	140	19.6	208.9	**10.8**	*	32.3	235.6	**12.0**	*	41.4	251.2	**12.7**		49.0	260.8	**11.3**									140
155	140	141																	55.0	265.4	**9.8**					141
155	140	148	0.0	161.9	**7.2**	*																				148
155	140	150					23.5	216.6	**11.3**	*	34.7	238.4	**11.5**		43.3	251.2	**10.2**		50.4	258.7	**8.9**					150
155	140	160					8.7	182.0	**9.5**	*	26.7	221.6	**10.4**		36.9	239.3	**9.2**		44.9	249.6	**8.0**					160
155	140	162					0.0	160.8	**8.5**	*																162
155	140	163																					50.0	252.4	**6.6**	163
155	140	170									15.3	195.5	**9.4**		29.4	224.0	**8.3**		38.8	238.4	**7.2**		46.2	246.3	**6.1**	170
155	140	175									0.0	158.7	**8.2**	*												175
155	140	180													19.5	202.1	**7.5**		31.6	224.2	**6.5**		40.2	235.6	**5.5**	180
155	140	188													0.0	155.3	**7.0**									188
155	140	190																	22.7	204.7	**5.9**		33.4	222.3	**4.9**	190
155	140	200																	6.2	165.9	**5.3**		25.0	204.4	**4.4**	200
155	140	201																	0.0	150.8	**5.3**					201
155	140	210																					12.2	174.7	**3.9**	210
155	140	213																					0.0	145.2	**3.8**	213
155	150	47	75.0	306.8	**19.5**	*																				47
155	150	50	73.8	305.9	**19.3**	*																				50

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees							
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)					
155	150	60	69.8	302.6	**18.3**	*																			60
155	150	70	65.6	298.5	**17.3**	*																			70
155	150	73					70.0	301.8	**18.7**	*															73
155	150	80	61.4	293.5	**16.1**	*	67.1	299.0	**17.7**	*															80
155	150	90	56.9	287.6	**14.9**	*	62.9	294.3	**16.3**	*															90
155	150	98									65.0	294.6	**16.6**	*											98
155	150	100	52.2	280.4	**13.8**	*	58.5	288.7	**15.0**	*	64.3	293.8	**16.4**	*											100
155	150	110	47.2	272.0	**12.7**	*	53.9	282.0	**13.9**	*	60.0	288.5	**15.2**	*											110
155	150	120	41.8	261.8	**11.7**	*	49.0	274.1	**12.9**	*	55.5	282.2	**14.1**	*											120
155	150	123													60.0	285.2	**13.4**								123
155	150	130	35.7	249.3	**10.8**	*	43.7	264.5	**12.0**	*	50.7	274.7	**13.1**	*	56.9	280.9	**12.4**								130
155	150	140	28.5	233.3	**10.0**	*	37.9	252.9	**11.2**	*	45.5	265.7	**12.2**	*	52.2	273.8	**11.0**								140
155	150	147																55.0	273.6	**8.9**					147
155	150	150	18.9	210.6	**9.3**	*	31.1	238.4	**10.5**	*	39.9	254.9	**11.2**		47.2	265.3	**9.9**	53.5	271.4	**8.6**					150
155	150	158	0.0	161.9	**6.1**	*																			158
155	150	160					22.7	218.7	**9.8**	*	33.5	241.5	**10.2**		41.7	255.1	**8.9**	48.6	263.3	**7.7**					160
155	150	170					8.4	182.7	**8.2**	*	25.8	223.9	**9.2**		35.6	242.6	**8.1**	43.3	253.6	**6.9**	50.0	260.1	**5.8**		170
155	150	172					0.0	160.8	**7.3**	*															172
155	150	180									14.8	196.9	**8.4**		28.4	226.6	**7.3**	37.4	241.8	**6.2**	44.6	250.4	**5.2**		180
155	150	185									0.0	158.7	**7.1**	*											185
155	150	190													18.9	203.8	**6.6**	30.5	227.0	**5.6**	38.8	239.2	**4.6**		190
155	150	198													0.0	155.3	**6.1**								198
155	150	200																21.9	206.7	**5.1**	32.3	225.2	**4.1**		200
155	150	210																6.0	166.4	**4.6**	24.2	206.6	**3.7**		210
155	150	211																0.0	150.8	**4.5**					211
155	150	220																			11.7	175.7	**3.3**		220
155	150	223																			0.0	145.2	**3.2**		223
155	160	49	75.0	316.4	**16.9**	*																			49
155	160	50	74.8	316.3	**16.9**	*																			50
155	160	60	71.1	313.2	**16.1**	*																			60
155	160	70	67.2	309.4	**15.2**	*																			70
155	160	76					70.0	311.2	**16.9**	*															76
155	160	80	63.3	304.8	**14.3**	*	68.6	309.8	**16.4**	*															80
155	160	90	59.2	299.3	**13.3**	*	64.7	305.5	**15.1**	*															90
155	160	100	55.0	292.9	**12.3**	*	60.7	300.3	**14.0**	*															100

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
155	160	103									65.0	303.6	**14.9**	*																	103
155	160	110	50.4	285.2	**11.3**	*	56.5	294.2	**12.9**	*	62.0	299.9	**14.1**	*																	110
155	160	120	45.6	276.2	**10.4**	*	52.1	287.0	**12.0**	*	57.9	294.1	**13.1**	*																	120
155	160	128													60.0	293.8	**12.4**														128
155	160	130	40.4	265.5	**9.6**	*	47.4	278.5	**11.1**	*	53.6	287.3	**12.2**	*	59.2	292.7	**12.1**														130
155	160	140	34.5	252.5	**8.8**	*	42.3	268.5	**10.3**	*	49.0	279.3	**11.4**	*	54.9	286.2	**10.8**														140
155	160	150	27.5	235.8	**8.2**	*	36.6	256.3	**9.6**	*	44.0	269.8	**10.6**	*	50.4	278.6	**9.7**														150
155	160	153																	55.0	281.8	**8.1**										153
155	160	160	18.3	212.2	**7.8**	*	30.1	241.1	**9.0**	*	38.6	258.4	**9.9**	*	45.6	269.6	**8.7**		51.7	276.3	**7.4**										160
155	160	168	0.0	161.9	**5.1**	*																									168
155	160	170					22.0	220.7	**8.5**	*	32.4	244.4	**9.0**		40.3	258.8	**7.8**		47.0	267.7	**6.7**										170
155	160	176																					50.0	267.7	**5.2**						176
155	160	180					8.1	183.5	**7.0**	*	25.0	226.2	**8.2**		34.4	245.8	**7.1**		41.9	257.5	**6.0**		48.1	264.2	**4.9**						180
155	160	182					0.0	160.9	**6.3**	*																					182
155	160	190									14.3	198.1	**7.2**	*	27.5	229.1	**6.4**		36.2	245.2	**5.4**		43.1	254.5	**4.4**						190
155	160	195									0.0	158.7	**6.0**	*																	195
155	160	200													18.3	205.4	**5.8**		29.6	229.7	**4.8**		37.5	242.7	**3.9**						200
155	160	208													0.0	155.3	**5.3**														208
155	160	210																	21.2	208.6	**4.3**		31.2	228.0	**3.4**						210
155	160	220																	5.8	166.9	**3.9**		23.4	208.7	**3.0**						220
155	160	221																	0.0	150.8	**3.8**										221
155	160	230																					11.4	176.7	**2.7**						230
155	160	233																					0.0	145.2	**2.5**						233
165	110	37	75.0	278.1	**28.9**	*																									37
165	110	40	73.2	277.1	**28.2**	*																									40
165	110	50	67.6	273.6	**25.6**	*																									50
165	110	60	61.9	268.9	**23.3**	*	70.0	274.2	**25.6**	*																					60
165	110	70	55.8	262.8	**21.2**	*	64.4	270.0	**23.4**	*																					70
165	110	80	49.2	255.1	**19.5**	*	58.5	264.6	**21.3**	*																					80
165	110	83									65.0	268.2	**22.9**	*																	83
165	110	90	41.9	245.3	**18.1**	*	52.1	257.6	**19.7**	*	61.0	264.7	**21.5**	*																	90
165	110	100	33.4	232.4	**16.8**	*	45.2	248.8	**18.2**	*	54.9	258.4	**19.9**	*																	100
165	110	106													60.0	260.2	**17.4**														106
165	110	110	22.2	213.3	**15.7**	*	37.3	237.4	**16.9**	*	48.2	250.5	**18.4**		57.3	257.5	**16.5**														110
165	110	118	0.0	171.9	**11.3**	*																									118

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																							Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
165	110	120				27.6	221.7	**15.8** *	40.8	240.3	**16.4**	50.9	250.3	**14.6**												120
165	110	127													55.0	250.3	**11.9**									127
165	110	130				12.2	194.0	**13.6** *	32.0	226.7	**14.7**	43.8	241.1	**13.1**	53.3	248.3	**11.5**									130
165	110	132				0.0	170.8	**12.0** *																		132
165	110	140							20.1	206.3	**13.2**	35.7	229.1	**11.8**	46.5	239.9	**10.3**									140
165	110	147							0.0	168.5	**11.3** *															147
165	110	148																50.0	238.5	**8.2**						148
165	110	150										25.4	212.1	**10.6**	38.8	229.0	**9.3**	48.7	236.8	**8.0**						150
165	110	160										6.2	176.8	**9.6**	29.5	214.3	**8.4**	41.3	226.8	**7.2**						160
165	110	161										0.0	164.9	**9.5**												161
165	110	170													16.0	190.4	**7.6**	32.6	213.6	**6.5**						170
165	110	174													0.0	160.2	**7.3**									174
165	110	180																21.1	193.8	**5.9**						180
165	110	187																0.0	154.3	**5.4**						187
165	120	39	75.0	287.8	**25.9** *																					39
165	120	40	74.6	287.6	**25.8** *																					40
165	120	50	69.6	284.3	**24.0** *																					50
165	120	60	64.4	280.1	**21.8** *																					60
165	120	63				70.0	283.6	**23.3** *																		63
165	120	70	59.0	274.7	**20.0** *	66.7	281.0	**21.9** *																		70
165	120	80	53.2	268.0	**18.4** *	61.4	276.1	**20.1** *																		80
165	120	87							65.0	277.2	**20.7** *															87
165	120	90	47.0	259.6	**17.0** *	55.8	270.0	**18.5** *	63.6	276.0	**20.3** *															90
165	120	100	40.0	249.1	**15.7** *	49.8	262.4	**17.1** *	58.2	270.4	**18.7** *															100
165	120	110	31.9	235.3	**14.7** *	43.2	252.9	**15.9** *	52.3	263.5	**17.4** *															110
165	120	111										60.0	268.8	**16.1**												111
165	120	120	21.2	215.3	**13.8** *	35.6	240.7	**14.8** *	46.0	254.8	**16.1**	54.7	262.8	**14.4**												120
165	120	128	0.0	171.9	**9.8** *																					128
165	120	130				26.4	224.1	**13.8** *	39.0	243.9	**14.4**	48.6	254.9	**12.8**												130
165	120	133													55.0	258.5	**10.8**									133
165	120	140				11.7	195.1	**11.9** *	30.6	229.5	**13.0**	41.9	245.0	**11.5**	50.9	253.2	**10.0**									140
165	120	142				0.0	170.8	**10.5** *																		142
165	120	150							19.2	208.0	**11.7**	34.1	232.2	**10.4**	44.4	244.1	**9.0**									150
165	120	154																50.0	246.2	**7.3**						154
165	120	157							0.0	168.5	**9.9** *															157

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																					Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	
165	120	160													24.3	214.3	**9.4**		37.1	232.5	**8.1**		46.5	241.2	**6.9**		160
165	120	170													6.0	177.4	**8.5**		28.2	216.9	**7.3**		39.5	230.5	**6.2**		170
165	120	171													0.0	164.9	**8.4**										171
165	120	180																	15.3	191.8	**6.7**		31.2	216.4	**5.6**		180
165	120	184																	0.0	160.2	**6.4**						184
165	120	190																					20.2	195.6	**5.0**		190
165	120	197																					0.0	154.3	**4.6**		197
165	130	42	75.0	297.4	**22.7**	*																					42
165	130	50	71.2	294.9	**21.9**	*																					50
165	130	60	66.5	291.1	**20.4**	*																					60
165	130	67					70.0	293.0	**21.0**	*																	67
165	130	70	61.6	286.2	**18.7**	*	68.6	291.8	**20.5**	*																	70
165	130	80	56.4	280.2	**17.2**	*	63.7	287.4	**18.9**	*																	80
165	130	90	51.0	272.8	**15.9**	*	58.7	281.9	**17.4**	*																	90
165	130	92									65.0	286.3	**18.8**	*													92
165	130	100	45.0	263.8	**14.7**	*	53.4	275.2	**16.1**	*	60.9	282.0	**17.6**	*													100
165	130	110	38.4	252.6	**13.7**	*	47.7	266.9	**14.9**	*	55.7	275.8	**16.3**	*													110
165	130	116													60.0	277.5	**14.9**										116
165	130	120	30.6	238.1	**12.8**	*	41.4	256.8	**13.8**	*	50.1	268.3	**15.1**	*	57.8	274.9	**14.1**										120
165	130	130	20.4	217.1	**12.0**	*	34.2	243.9	**12.9**	*	44.1	259.0	**14.1**	*	52.4	267.9	**12.6**										130
165	130	138	0.0	171.9	**8.4**	*																					138
165	130	139																	55.0	266.6	**9.9**						139
165	130	140					25.3	226.4	**12.1**	*	37.4	247.4	**12.8**		46.6	259.3	**11.2**		54.4	265.8	**9.8**						140
165	130	150					11.2	196.1	**10.4**	*	29.4	232.2	**11.5**		40.2	248.8	**10.1**		48.7	257.9	**8.7**						150
165	130	152					0.0	170.8	**9.1**	*																	152
165	130	160									18.5	209.6	**10.4**		32.7	235.2	**9.1**		42.6	248.1	**7.9**						160
165	130	161																					50.0	253.8	**6.6**		161
165	130	167									0.0	168.5	**8.6**	*													167
165	130	170													23.4	216.4	**8.3**		35.6	235.8	**7.1**		44.6	245.4	**5.9**		170
165	130	180													5.7	177.9	**7.5**		27.1	219.3	**6.4**		37.9	234.0	**5.3**		180
165	130	181													0.0	164.9	**7.5**										181
165	130	190																	14.7	193.1	**5.8**		30.0	219.1	**4.8**		190
165	130	194																	0.0	160.2	**5.5**						194
165	130	200																					19.4	197.4	**4.3**		200
165	130	207																					0.0	154.3	**3.9**		207

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
165	140	44	75.0	307.1	**19.9**	*																			44
165	140	50	72.6	305.5	**19.4**	*																			50
165	140	60	68.2	301.9	**18.4**	*																			60
165	140	70	63.8	297.5	**17.3**	*	70.0	302.3	**19.1**	*															70
165	140	80	59.1	292.0	**16.1**	*	65.7	298.4	**17.6**	*															80
165	140	90	54.2	285.4	**14.8**	*	61.2	293.4	**16.3**	*															90
165	140	96									65.0	295.3	**17.0**	*											96
165	140	100	49.0	277.5	**13.7**	*	56.4	287.4	**15.0**	*	63.1	293.3	**16.5**	*											100
165	140	110	43.3	267.9	**12.7**	*	51.3	280.1	**13.9**	*	58.4	287.7	**15.3**	*											110
165	140	120	37.0	256.0	**11.7**	*	45.8	271.2	**12.9**	*	53.5	281.0	**14.2**	*											120
165	140	121													60.0	286.2	**13.7**								121
165	140	130	29.5	240.8	**10.9**	*	39.8	260.5	**12.0**	*	48.2	272.8	**13.2**	*	55.5	280.3	**12.3**								130
165	140	140	19.6	218.9	**10.3**	*	32.9	246.9	**11.2**	*	42.4	263.0	**12.3**	*	50.3	272.7	**11.0**								140
165	140	144																	55.0	274.8	**9.0**				144
165	140	148	0.0	171.9	**7.3**	*																			148
165	140	150					24.4	228.6	**10.5**	*	36.0	250.7	**11.3**		44.8	263.5	**9.9**		52.2	270.8	**8.5**				150
165	140	160					10.8	197.0	**9.0**	*	28.3	234.8	**10.2**		38.6	252.3	**8.9**		46.8	262.3	**7.6**				160
165	140	162					0.0	170.8	**7.9**	*															162
165	140	167																					50.0	261.5	**5.8**	167
165	140	170									17.8	211.2	**9.1**	*	31.5	238.1	**8.0**		40.9	251.9	**6.8**		48.6	259.2	**5.6**	170
165	140	177									0.0	168.5	**7.4**	*											177
165	140	180													22.5	218.5	**7.3**		34.2	238.9	**6.2**		42.9	249.4	**5.0**	180
165	140	190													5.5	178.4	**6.6**		26.1	221.7	**5.6**		36.4	237.4	**4.5**	190
165	140	191													0.0	164.9	**6.6**								191
165	140	200																	14.1	194.4	**5.0**		28.8	221.8	**4.0**	200
165	140	204																	0.0	160.2	**4.8**					204
165	140	210																					18.7	199.0	**3.6**	210
165	140	217																					0.0	154.3	**3.3**	217
165	150	47	75.0	316.8	**17.3**	*																			47
165	150	50	73.8	315.9	**17.1**	*																			50
165	150	60	69.8	312.6	**16.2**	*																			60
165	150	70	65.6	308.5	**15.3**	*																			70
165	150	74					70.0	311.7	**17.2**	*															74
165	150	80	61.4	303.5	**14.3**	*	67.5	309.3	**16.4**	*															80

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
165	150	90	56.9	297.6	**13.3**	*	63.2	304.7	**15.1**	*															90
165	150	100	52.2	290.4	**12.3**	*	58.9	299.2	**14.0**	*	65.0	304.4	**15.3**	*											100
165	150	110	47.2	282.0	**11.3**	*	54.3	292.6	**13.0**	*	60.7	299.3	**14.2**	*											110
165	150	120	41.8	271.8	**10.4**	*	49.4	284.8	**12.0**	*	56.3	293.2	**13.2**	*											120
165	150	126													60.0	294.8	**12.7**								126
165	150	130	35.7	259.3	**9.6**	*	44.2	275.4	**11.2**	*	51.5	285.9	**12.3**	*	58.1	292.2	**12.0**								130
165	150	140	28.5	243.3	**9.0**	*	38.4	264.0	**10.4**	*	46.5	277.2	**11.4**	*	53.4	285.4	**10.7**								140
165	150	150	18.9	220.6	**8.5**	*	31.8	249.8	**9.7**	*	40.9	266.8	**10.6**	*	48.5	277.3	**9.6**		55.0	283.0	**8.2**				150
165	150	158	0.0	171.9	**6.2**	*																			158
165	150	160					23.5	230.7	**9.1**	*	34.7	253.9	**9.9**	*	43.2	267.6	**8.6**		50.3	275.6	**7.3**				160
165	150	170					10.4	198.0	**7.7**	*	27.3	237.2	**8.9**	*	37.3	255.8	**7.8**		45.2	266.5	**6.6**				170
165	150	172					0.0	170.8	**6.8**	*															172
165	150	174																					50.0	269.1	**5.1**	174
165	150	180									17.2	212.8	**7.8**	*	30.4	240.9	**7.1**		39.5	255.5	**5.9**		46.8	263.6	**4.8**	180
165	150	187									0.0	168.5	**6.3**	*											187
165	150	190													21.7	220.4	**6.4**		33.0	241.9	**5.3**		41.3	253.3	**4.2**	190
165	150	200													5.3	178.8	**5.8**		25.2	223.9	**4.8**		35.2	240.6	**3.8**	200
165	150	201													0.0	164.9	**5.8**									201
165	150	210																	13.7	195.6	**4.3**		27.8	224.3	**3.3**	210
165	150	214																	0.0	160.2	**4.1**					214
165	150	220																					18.0	200.7	**2.9**	220
165	150	227																					0.0	154.3	**2.7**	227
165	160	49	75.0	326.4	**14.6**	*																			49
165	160	50	74.8	326.3	**14.6**	*																			50
165	160	60	71.1	323.2	**14.2**	*																			60
165	160	70	67.2	319.4	**13.4**	*																			70
165	160	77					70.0	321.1	**15.5**	*															77
165	160	80	63.3	314.8	**12.6**	*	68.9	320.1	**15.2**	*															80
165	160	90	59.2	309.3	**11.7**	*	65.0	315.8	**14.0**	*															90
165	160	100	55.0	302.9	**10.8**	*	61.0	310.8	**13.0**	*															100
165	160	104									65.0	313.5	**13.8**	*											104
165	160	110	50.4	295.2	**10.0**	*	56.8	304.7	**12.0**	*	62.7	310.7	**13.2**	*											110
165	160	120	45.6	286.2	**9.2**	*	52.4	297.6	**11.1**	*	58.6	305.1	**12.2**	*											120
165	160	130	40.4	275.5	**8.4**	*	47.8	289.3	**10.3**	*	54.3	298.4	**11.4**	*											130
165	160	131													60.0	303.5	**11.3**	*							131

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
165	160	140	34.5	262.5	**7.8**	*	42.7	279.4	**9.6**	*	49.8	290.6	**10.6**	*	56.1	297.6	**10.5**									140
165	160	150	27.5	245.8	**7.3**	*	37.2	267.4	**8.9**	*	44.9	281.4	**9.9**	*	51.6	290.3	**9.4**									150
165	160	156																	55.0	291.2	**7.4**					156
165	160	160	18.3	222.2	**6.9**	*	30.7	252.6	**8.4**	*	39.6	270.4	**9.2**	*	46.9	281.7	**8.4**		53.2	288.3	**7.1**					160
165	160	168	0.0	171.9	**5.2**	*																				168
165	160	170					22.8	232.7	**7.8**	*	33.6	256.9	**8.5**	*	41.8	271.5	**7.6**		48.6	280.2	**6.3**					170
165	160	180					10.1	198.9	**6.6**	*	26.4	239.6	**7.6**	*	36.1	259.1	**6.8**		43.7	270.6	**5.6**		50.0	276.8	**4.5**	180
165	160	182					0.0	170.8	**5.8**	*																182
165	160	190									16.6	214.3	**6.6**	*	29.4	243.5	**6.2**		38.2	259.1	**5.0**		45.3	267.9	**4.0**	190
165	160	197									0.0	168.5	**5.4**	*												197
165	160	200													21.0	222.3	**5.6**		32.0	244.8	**4.5**		40.0	257.0	**3.5**	200
165	160	210													5.2	179.3	**5.0**		24.4	226.1	**4.0**		34.0	243.7	**3.1**	210
165	160	211													0.0	165.0	**4.9**	*								211
165	160	220																	13.2	196.7	**3.6**		26.9	226.7	**2.7**	220
165	160	224																	0.0	160.2	**3.4**					224
165	160	230																					17.5	202.2	**2.3**	230
165	160	237																					0.0	154.3	**2.1**	237

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Luffing Jib + Fixed Jib Lengths - 360 Degree Capacities						
Luffing Boom Length	Luffing Boom Angles					
	90	85	80	75	70	65
	Allowable Luffing Jib + Fixed Jib Length					
85'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'
95'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'
105'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'
115'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'
125'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'
135'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 140'+30'
145'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 130'+30'
155'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 110'+30'
165'	110'+30 ' - 150'+30'	110'+30 ' - 150'+30'	110'+30 ' - 150'+30'	110'+30 ' - 150'+30'	110'+30 ' - 140'+30'	Prohibited

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
85	80	40	75.0	199.5	**22.7**	*																			40
85	80	50	69.4	195.9	**22.7**	*																			50
85	80	56					70.0	195.6	**22.7**	*															56
85	80	60	63.8	191.3	**22.7**	*	68.0	194.1	**22.7**	*															60
85	80	70	57.9	185.4	**22.7**	*	62.3	189.1	**22.7**	*															70
85	80	73									65.0	190.2	**22.7**	*											73
85	80	80	51.5	178.0	**22.2**	*	56.2	182.9	**22.7**	*	60.7	186.2	**22.7**	*											80
85	80	88													60.0	183.4	**20.6**								88
85	80	90	44.4	168.5	**20.2**	*	49.7	175.0	**22.4**		54.5	179.5	**21.2**		59.0	182.4	**20.1**								90
85	80	100	36.3	156.2	**17.9**	*	42.5	164.9	**19.5**		47.8	171.1	**18.5**		52.7	175.2	**17.5**								100
85	80	103																	55.0	175.3	**15.8**				103
85	80	110	26.1	138.8	**16.1**	*	33.9	151.5	**17.2**		40.3	160.2	**16.3**		45.8	166.2	**15.4**		50.7	170.0	**14.5**				110
85	80	118																					50.0	165.9	**12.4**	118
85	80	120					22.7	131.9	**15.3**		31.3	145.7	**14.5**		37.9	154.5	**13.6**		43.5	160.3	**12.8**		48.4	163.8	**12.0**	120
85	80	130									18.5	122.7	**12.9**		28.2	138.3	**12.2**		35.2	147.5	**11.5**		40.9	153.2	**10.7**	130
85	80	140													12.5	109.3	**10.9**		24.5	129.1	**10.3**		32.0	139.0	**9.6**	140
85	80	150																					19.7	117.1	**8.6**	150
85	90	42	75.0	209.2	**22.7**	*																			42
85	90	50	71.2	206.6	**22.7**	*																			50
85	90	60	66.1	202.5	**22.7**	*	70.0	205.0	**22.7**	*															60
85	90	70	60.8	197.2	**22.7**	*	64.7	200.4	**22.7**	*															70
85	90	77									65.0	199.3	**22.7**	*											77
85	90	80	55.2	190.6	**22.2**	*	59.4	194.8	**22.7**	*	63.3	197.6	**22.7**	*											80
85	90	90	49.1	182.5	**20.8**	*	53.7	187.9	**21.2**	*	57.9	191.7	**21.0**												90
85	90	93													60.0	192.1	**18.9**								93
85	90	100	42.5	172.4	**19.5**	*	47.5	179.3	**19.3**		52.0	184.4	**18.2**		56.2	187.7	**17.2**								100
85	90	109																	55.0	183.5	**14.4**				109
85	90	110	34.7	159.3	**17.5**	*	40.6	168.5	**17.0**		45.7	175.2	**16.0**		50.3	179.9	**15.1**		54.5	182.8	**14.2**				110
85	90	120	24.9	140.9	**15.1**	*	32.4	154.4	**15.1**		38.5	163.7	**14.2**		43.7	170.2	**13.4**		48.4	174.5	**12.6**				120
85	90	124																					50.0	173.6	**11.2**	124
85	90	130					21.6	133.7	**13.5**		29.9	148.3	**12.7**		36.2	157.7	**11.9**		41.6	164.1	**11.2**		46.2	168.0	**10.4**	130
85	90	140									17.6	124.2	**11.4**		27.0	140.7	**10.7**		33.6	150.5	**10.0**		39.1	156.7	**9.3**	140
85	90	150													11.9	110.2	**9.6**		23.4	131.1	**9.0**		30.6	141.7	**8.4**	150
85	90	160																					18.8	118.7	**7.5**	160

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees							
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)					
85	100	45	75.0	218.8	**22.7** *																				45
85	100	50	72.7	217.2	**22.7** *																				50
85	100	60	68.0	213.4	**22.7** *																				60
85	100	63				70.0	214.4	**22.7** *																	63
85	100	70	63.2	208.6	**22.7** *	66.8	211.5	**22.7** *																	70
85	100	80	58.2	202.8	**20.9** *	61.9	206.5	**21.8** *																	80
85	100	81							65.0	208.3	**22.7** *														81
85	100	90	52.9	195.6	**19.3** *	56.8	200.3	**19.9** *	60.6	203.5	**20.7**														90
85	100	98										60.0	200.8	**17.3**											98
85	100	100	47.1	186.9	**18.2** *	51.4	192.7	**18.5** *	55.4	197.0	**18.0**	59.1	199.7	**16.9**											100
85	100	110	40.7	176.1	**17.3** *	45.5	183.5	**16.7**	49.8	189.0	**15.8**	53.9	192.8	**14.8**											110
85	100	115													55.0	191.7	**13.1**								115
85	100	120	33.3	162.2	**15.7**	38.9	172.0	**14.8**	43.8	179.2	**14.0**	48.2	184.4	**13.1**	52.2	187.7	**12.3**								120
85	100	130	23.9	143.0	**13.0** *	31.1	157.1	**13.3**	36.9	167.0	**12.5**	41.9	174.0	**11.7**	46.3	178.8	**10.9**	50.0	181.3	**10.1**					130
85	100	140				20.7	135.5	**11.9**	28.7	150.8	**11.2**	34.8	160.8	**10.4**	39.8	167.6	**9.7**	44.3	172.1	**9.1**					140
85	100	150							16.9	125.6	**10.0**	25.8	142.9	**9.4**	32.3	153.3	**8.7**	37.5	160.1	**8.1**					150
85	100	160										11.4	111.1	**8.5**	22.4	133.0	**7.9**	29.4	144.2	**7.3**					160
85	100	170																18.1	120.2	**6.5**					170
85	110	47	75.0	228.5	**22.7** *																				47
85	110	50	73.9	227.7	**22.7** *																				50
85	110	60	69.6	224.2	**22.7** *																				60
85	110	67				70.0	223.8	**22.7** *																	67
85	110	70	65.3	219.9	**21.5** *	68.5	222.4	**22.7** *																	70
85	110	80	60.7	214.5	**19.6** *	64.1	217.8	**20.7** *																	80
85	110	85							65.0	217.4	**20.8** *														85
85	110	90	55.9	208.1	**18.1** *	59.5	212.2	**18.7** *	62.8	215.0	**19.8** *														90
85	110	100	50.8	200.3	**16.8** *	54.6	205.4	**17.3** *	58.2	209.1	**17.7**														100
85	110	103										60.0	209.4	**15.9**											103
85	110	110	45.3	191.0	**15.9** *	49.4	197.3	**16.1** *	53.2	202.0	**15.5**	56.8	205.1	**14.6**											110
85	110	120	39.1	179.6	**15.2** *	43.7	187.5	**14.6**	47.9	193.4	**13.7**	51.7	197.6	**12.8**	55.0	199.9	**11.9**								120
85	110	130	32.0	165.0	**13.5** *	37.4	175.4	**13.0**	42.1	183.1	**12.2**	46.3	188.6	**11.4**	50.1	192.4	**10.6**								130
85	110	137																50.0	188.9	**9.1**					137
85	110	140	23.0	144.9	**11.2** *	29.9	159.7	**11.7**	35.5	170.1	**10.9**	40.3	177.6	**10.2**	44.6	182.8	**9.5**	48.3	186.2	**8.8**					140
85	110	150				20.0	137.2	**10.5**	27.6	153.2	**9.8**	33.4	163.8	**9.1**	38.3	171.1	**8.5**	42.6	176.0	**7.8**					150
85	110	160							16.2	126.9	**8.9**	24.9	145.0	**8.2**	31.0	156.0	**7.6**	36.1	163.3	**7.0**					160

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																					Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	
85	110	170													10.9	112.0	**7.4**		21.6	134.9	**6.8**		28.3	146.7	**6.3**		170
85	110	180																					17.4	121.6	**5.6**		180
85	120	50	75.0	238.1	**22.7**	*																					50
85	120	60	71.0	234.9	**22.7**	*																					60
85	120	70	67.0	230.9	**20.4**	*	70.0	233.2	**21.9**	*																	70
85	120	80	62.8	226.0	**18.4**	*	65.9	228.9	**19.6**	*																	80
85	120	89									65.0	226.5	**18.9**	*													89
85	120	90	58.4	220.1	**16.9**	*	61.7	223.8	**17.6**	*	64.8	226.2	**18.8**	*													90
85	120	100	53.8	213.2	**15.6**	*	57.3	217.6	**16.1**	*	60.5	220.8	**17.0**	*													100
85	120	108													60.0	218.1	**14.6**										108
85	120	110	49.0	204.9	**14.7**	*	52.6	210.4	**15.0**	*	56.0	214.4	**15.3**		59.2	217.0	**14.3**										110
85	120	120	43.7	195.0	**13.9**	*	47.6	201.7	**14.0**	*	51.3	206.7	**13.5**		54.7	210.3	**12.6**										120
85	120	126																	55.0	208.1	**10.8**						126
85	120	130	37.8	183.0	**13.4**	*	42.2	191.3	**12.8**		46.2	197.7	**12.0**		49.9	202.3	**11.2**		53.3	205.3	**10.4**						130
85	120	140	30.9	167.8	**11.6**	*	36.1	178.6	**11.4**		40.6	186.7	**10.7**		44.7	192.7	**9.9**		48.3	196.9	**9.2**						140
85	120	143																					50.0	196.6	**8.2**		143
85	120	150	22.2	146.8	**9.6**	*	28.9	162.3	**10.3**		34.3	173.2	**9.6**		38.9	181.1	**8.9**		43.0	186.7	**8.2**		46.6	190.5	**7.5**		150
85	120	160					19.2	138.8	**9.3**		26.6	155.5	**8.6**		32.3	166.6	**8.0**		37.0	174.4	**7.3**		41.1	179.7	**6.7**		160
85	120	170									15.7	128.2	**7.8**		24.0	147.1	**7.2**		30.0	158.7	**6.6**		34.8	166.4	**6.0**		170
85	120	180													10.5	112.8	**6.5**		20.8	136.6	**5.9**		27.3	149.1	**5.4**		180
85	120	190																					16.7	123.0	**4.8**		190
85	130	53	75.0	247.8	**22.7**	*																					53
85	130	60	72.3	245.5	**21.6**	*																					60
85	130	70	68.5	241.8	**19.2**	*																					70
85	130	73					70.0	242.6	**19.9**	*																	73
85	130	80	64.6	237.2	**17.3**	*	67.5	239.9	**18.5**	*																	80
85	130	90	60.6	231.8	**15.8**	*	63.6	235.1	**16.6**	*																	90
85	130	94									65.0	235.5	**17.0**	*													94
85	130	100	56.4	225.5	**14.6**	*	59.5	229.5	**15.1**	*	62.5	232.3	**16.0**	*													100
85	130	110	52.0	218.0	**13.5**	*	55.3	222.9	**13.9**	*	58.4	226.4	**14.6**	*													110
85	130	113													60.0	226.7	**13.4**										113
85	130	120	47.3	209.2	**12.7**	*	50.8	215.1	**13.0**	*	54.1	219.5	**13.2**		57.2	222.5	**12.3**										120
85	130	130	42.2	198.8	**12.1**	*	46.0	205.9	**12.2**	*	49.5	211.4	**11.7**		52.8	215.2	**10.9**										130
85	130	132																	55.0	216.3	**9.8**						132

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle 90 Degrees Jib Angle (deg)	90 Degrees Tip Height (ft)	90 Degrees Capacity (kips)		85 Degrees Jib Angle (deg)	85 Degrees Tip Height (ft)	85 Degrees Capacity (kips)		80 Degrees Jib Angle (deg)	80 Degrees Tip Height (ft)	80 Degrees Capacity (kips)		75 Degrees Jib Angle (deg)	75 Degrees Tip Height (ft)	75 Degrees Capacity (kips)		70 Degrees Jib Angle (deg)	70 Degrees Tip Height (ft)	70 Degrees Capacity (kips)		65 Degrees Jib Angle (deg)	65 Degrees Tip Height (ft)	65 Degrees Capacity (kips)		Load Radius (ft)
85	130	140	36.5	186.2	**11.7**	*	40.8	195.0	**11.2**		44.6	201.7	**10.4**		48.2	206.7	**9.7**		51.4	210.1	**8.9**						140
85	130	150	29.9	170.4	**10.0**	*	34.9	181.7	**10.1**		39.3	190.3	**9.3**		43.2	196.6	**8.6**		46.7	201.2	**7.9**		50.0	204.2	**7.3**		150
85	130	160	21.4	148.7	**8.2**	*	27.9	164.7	**9.0**		33.1	176.1	**8.4**		37.6	184.5	**7.7**		41.5	190.5	**7.1**		45.0	194.6	**6.5**		160
85	130	170					18.6	140.4	**8.1**		25.7	157.7	**7.5**		31.2	169.4	**6.9**		35.7	177.6	**6.3**		39.7	183.2	**5.7**		170
85	130	180									15.1	129.5	**6.8**		23.2	149.1	**6.2**		29.0	161.2	**5.7**		33.6	169.3	**5.1**		180
85	130	190													10.2	113.6	**5.6**		20.1	138.4	**5.1**		26.4	151.4	**4.5**		190
85	130	200																					16.2	124.4	**4.0**		200
85	140	55	75.0	257.5	**21.5**	*																					55
85	140	60	73.3	256.0	**20.3**	*																					60
85	140	70	69.8	252.5	**18.1**	*																					70
85	140	77					70.0	252.0	**18.0**	*																	77
85	140	80	66.2	248.3	**16.2**	*	68.9	250.7	**17.4**	*																	80
85	140	90	62.5	243.3	**14.7**	*	65.2	246.3	**15.6**	*																	90
85	140	98									65.0	244.6	**15.3**	*													98
85	140	100	58.6	237.5	**13.5**	*	61.5	241.1	**14.1**	*	64.2	243.6	**15.0**	*													100
85	140	110	54.6	230.6	**12.5**	*	57.6	235.0	**12.9**	*	60.4	238.1	**13.6**	*													110
85	140	118													60.0	235.4	**12.3**										118
85	140	120	50.3	222.7	**11.7**	*	53.5	227.9	**12.0**	*	56.5	231.8	**12.4**	*	59.3	234.4	**12.1**										120
85	140	130	45.8	213.5	**11.0**	*	49.2	219.7	**11.2**	*	52.4	224.4	**11.5**		55.3	227.7	**10.6**										130
85	140	138																	55.0	224.5	**8.9**						138
85	140	140	40.9	202.5	**10.5**	*	44.6	210.0	**10.5**	*	48.0	215.8	**10.2**		51.1	220.0	**9.4**		54.1	222.8	**8.7**						140
85	140	150	35.4	189.4	**9.3**	*	39.5	198.6	**9.8**		43.2	205.7	**9.1**		46.7	211.0	**8.4**		49.8	214.8	**7.7**						150
85	140	156																					50.0	211.9	**6.5**		156
85	140	160	29.0	172.9	**7.9**	*	33.8	184.7	**8.8**		38.0	193.7	**8.1**		41.8	200.4	**7.5**		45.2	205.3	**6.8**		48.3	208.5	**6.2**		160
85	140	170	20.8	150.5	**6.6**	*	27.1	167.1	**7.9**		32.1	179.0	**7.3**		36.4	187.7	**6.7**		40.2	194.1	**6.1**		43.6	198.6	**5.5**		170
85	140	180					18.0	141.9	**6.4**	*	24.9	159.9	**6.6**		30.2	172.0	**6.0**		34.6	180.7	**5.4**		38.4	186.7	**4.8**		180
85	140	190									14.7	130.7	**5.9**		22.5	151.0	**5.3**		28.1	163.7	**4.8**		32.6	172.2	**4.3**		190
85	140	200													9.8	114.4	**4.8**		19.5	140.0	**4.3**		25.5	153.6	**3.8**		200
85	140	210																					15.7	125.7	**3.3**		210
85	150	58	75.0	267.1	**19.5**	*																					58
85	150	60	74.3	266.5	**19.0**	*																					60
85	150	70	71.0	263.2	**17.0**	*																					70
85	150	80	67.6	259.2	**15.2**	*	70.0	261.4	**16.2**	*																	80
85	150	90	64.1	254.6	**13.7**	*	66.7	257.3	**14.6**	*																	90

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees							
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)					
85	150	100	60.5	249.2	**12.5** *	63.2	252.5	**13.2** *																	100
85	150	102							65.0	253.6	**13.7** *														102
85	150	110	56.8	242.9	**11.5** *	59.6	246.8	**12.0** *	62.2	249.6	**12.7** *														110
85	150	120	52.9	235.6	**10.7** *	55.8	240.3	**11.0** *	58.6	243.7	**11.6** *														120
85	150	123										60.0	244.1	**11.3**											123
85	150	130	48.8	227.2	**10.0** *	51.9	232.8	**10.2** *	54.8	237.0	**10.6** *	57.5	239.8	**10.4**											130
85	150	140	44.4	217.5	**9.4** *	47.7	224.1	**9.6** *	50.8	229.1	**9.8** *	53.7	232.8	**9.2**											140
85	150	143													55.0	232.7	**8.0**								143
85	150	150	39.7	206.1	**8.4** *	43.2	213.9	**9.0** *	46.5	220.1	**8.9**	49.6	224.6	**8.1**	52.4	227.7	**7.4**								150
85	150	160	34.3	192.4	**7.0** *	38.3	202.0	**8.6**	42.0	209.5	**7.9**	45.3	215.2	**7.2**	48.3	219.2	**6.6**								160
85	150	163																50.0	219.6	**5.7**					163
85	150	170	28.1	175.4	**4.6** *	32.8	187.6	**6.8** *	36.9	197.0	**7.1**	40.6	204.1	**6.4**	43.9	209.3	**5.8**	46.9	212.8	**5.2**					170
85	150	180	20.2	152.2	**2.5** *	26.3	169.3	**4.5** *	31.2	181.7	**6.3**	35.4	190.9	**5.7**	39.0	197.7	**5.1**	42.3	202.4	**4.6**					180
85	150	190				17.5	143.4	**2.3** *	24.2	162.0	**4.3** *	29.3	174.6	**5.1**	33.6	183.6	**4.6**	37.3	190.1	**4.0**					190
85	150	200							14.2	131.9	**2.1** *	21.8	152.9	**4.0** *	27.2	166.0	**4.0**	31.6	175.0	**3.5**					200
85	150	210										9.5	115.2		18.9	141.6	**3.5**	24.8	155.7	**3.1**					210
85	150	220																15.2	127.0	**2.7**					220
95	80	40	75.0	209.5	**22.7** *																				40
95	80	50	69.4	205.9	**22.7** *																				50
95	80	57				70.0	205.5	**22.7** *																	57
95	80	60	63.8	201.3	**22.7** *	68.5	204.4	**22.7** *																	60
95	80	70	57.9	195.4	**22.7** *	62.8	199.6	**22.7** *																	70
95	80	74							65.0	200.1	**22.7** *														74
95	80	80	51.5	188.0	**22.2** *	56.8	193.4	**22.7** *	61.7	197.0	**22.7** *														80
95	80	90	44.4	178.5	**20.2** *	50.3	185.7	**22.3**	55.6	190.6	**21.0**														90
95	80	91										60.0	193.1	**19.5**											91
95	80	100	36.3	166.2	**17.9** *	43.1	175.8	**19.4**	49.1	182.5	**18.3**	54.4	186.9	**17.1**											100
95	80	107													55.0	184.7	**14.7**								107
95	80	110	26.1	148.8	**16.1** *	34.8	162.8	**17.1**	41.7	172.2	**16.1**	47.7	178.4	**15.1**	52.9	182.3	**14.1**								110
95	80	120	5.4	109.9	**11.9** *	23.8	144.0	**15.2**	33.0	158.4	**14.3**	40.1	167.5	**13.4**	46.1	173.3	**12.5**								120
95	80	122																50.0	175.0	**11.3**					122
95	80	130							21.2	137.7	**12.8**	31.0	152.8	**11.9**	38.2	161.7	**11.1**	44.2	167.1	**10.3**					130
95	80	140										18.0	129.4	**10.7**	28.6	145.8	**10.0**	36.0	154.6	**9.2**					140
95	80	150													13.4	117.8	**8.9**	25.7	137.0	**8.3**					150

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
95	90	42	75.0	219.2	**22.7**	*																			42
95	90	50	71.2	216.6	**22.7**	*																			50
95	90	60	66.1	212.5	**22.7**	*																			60
95	90	61					70.0	214.9	**22.7**	*															61
95	90	70	60.8	207.2	**22.7**	*	65.2	210.8	**22.7**	*															70
95	90	78									65.0	209.1	**22.7**	*											78
95	90	80	55.2	200.6	**22.0**	*	59.8	205.3	**22.7**	*	64.2	208.4	**22.7**	*											80
95	90	90	49.1	192.5	**20.6**	*	54.2	198.5	**21.1**	*	58.8	202.7	**20.7**												90
95	90	96													60.0	201.8	**17.8**								96
95	90	100	42.5	182.4	**19.5**	*	48.0	190.1	**19.2**		53.1	195.6	**18.0**		57.7	199.1	**16.9**								100
95	90	110	34.7	169.3	**17.5**	*	41.2	179.5	**16.9**		46.8	186.8	**15.8**		51.9	191.8	**14.8**								110
95	90	112																	55.0	192.9	**13.3**				112
95	90	120	24.9	150.9	**15.1**	*	33.2	165.8	**15.0**		39.8	175.8	**14.1**		45.5	182.6	**13.1**		50.5	187.0	**12.2**				120
95	90	128																					50.0	182.7	**10.2**	128
95	90	130	5.1	110.2	**10.2**	*	22.8	145.9	**13.4**		31.5	161.2	**12.5**		38.3	170.9	**11.7**		44.0	177.3	**10.8**		48.9	181.1	**10.0**	130
95	90	140									20.3	139.4	**11.3**		29.6	155.4	**10.5**		36.5	165.0	**9.7**		42.2	170.9	**8.9**	140
95	90	150													17.2	130.8	**9.4**		27.3	148.1	**8.7**		34.4	157.7	**8.0**	150
95	90	160																	12.8	118.8	**7.8**		24.5	139.1	**7.2**	160
95	100	45	75.0	228.8	**22.7**	*																			45
95	100	50	72.7	227.2	**22.7**	*																			50
95	100	60	68.0	223.4	**22.7**	*																			60
95	100	64					70.0	224.3	**22.7**	*															64
95	100	70	63.2	218.6	**22.7**	*	67.2	221.9	**22.7**	*															70
95	100	80	58.2	212.8	**20.6**	*	62.4	216.9	**21.7**	*															80
95	100	83									65.0	218.2	**22.6**												83
95	100	90	52.9	205.6	**19.1**	*	57.3	210.8	**19.8**	*	61.4	214.3	**20.5**												90
95	100	100	47.1	196.9	**18.0**	*	51.9	203.4	**18.4**	*	56.3	208.0	**17.8**												100
95	100	101													60.0	210.4	**16.4**								101
95	100	110	40.7	186.1	**17.2**	*	46.0	194.3	**16.7**		50.8	200.3	**15.6**		55.2	204.4	**14.5**								110
95	100	118																	55.0	201.1	**12.1**				118
95	100	120	33.3	172.2	**15.7**		39.5	183.1	**14.8**		44.9	190.9	**13.8**		49.7	196.4	**12.8**		54.0	199.8	**11.9**				120
95	100	130	23.9	153.0	**13.0**	*	31.8	168.6	**13.2**		38.2	179.2	**12.3**		43.6	186.6	**11.4**		48.4	191.4	**10.6**				130
95	100	135																					50.0	190.3	**9.2**	135
95	100	140					21.8	147.8	**11.8**		30.2	163.8	**11.0**		36.7	174.2	**10.2**		42.2	181.1	**9.4**		46.9	185.5	**8.6**	140
95	100	150									19.5	141.1	**9.9**		28.4	157.9	**9.2**		35.0	168.1	**8.4**		40.5	174.6	**7.7**	150

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																							Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
95	100	160													16.4	132.2	**8.3**		26.2	150.4	**7.6**		33.0	160.6	**6.9**		160
95	100	170																	12.2	119.8	**6.8**		23.5	141.1	**6.2**		170
95	110	47	75.0	238.5	**22.7**	*																					47
95	110	50	73.9	237.7	**22.7**	*																					50
95	110	60	69.6	234.2	**22.7**	*																					60
95	110	67					70.0	233.7	**22.7**	*																	67
95	110	70	65.3	229.9	**21.2**	*	68.9	232.7	**22.7**	*																	70
95	110	80	60.7	224.5	**19.3**	*	64.5	228.2	**20.6**	*																	80
95	110	87									65.0	227.2	**20.5**	*													87
95	110	90	55.9	218.1	**17.8**	*	59.9	222.7	**18.6**	*	63.6	225.7	**19.9**	*													90
95	110	100	50.8	210.3	**16.6**	*	55.0	216.0	**17.2**	*	59.0	220.0	**17.5**														100
95	110	106													60.0	219.1	**15.0**										106
95	110	110	45.3	201.0	**15.7**	*	49.9	208.0	**16.0**	*	54.1	213.1	**15.3**		58.0	216.5	**14.2**										110
95	110	120	39.1	189.6	**15.1**	*	44.3	198.4	**14.5**		48.9	204.9	**13.5**		53.1	209.4	**12.6**										120
95	110	124																	55.0	209.3	**11.0**						124
95	110	130	32.0	175.0	**13.5**	*	38.0	186.5	**13.0**		43.2	194.9	**12.0**		47.8	200.8	**11.1**		51.9	204.7	**10.3**						130
95	110	140	23.0	154.9	**11.2**	*	30.6	171.3	**11.6**		36.7	182.5	**10.8**		41.9	190.4	**10.0**		46.5	195.7	**9.1**						140
95	110	141																					50.0	198.0	**8.2**		141
95	110	150					21.0	149.6	**10.4**		29.1	166.4	**9.7**		35.3	177.4	**8.9**		40.5	184.8	**8.2**		45.1	189.6	**7.4**		150
95	110	160									18.7	142.6	**8.7**		27.3	160.2	**8.0**		33.7	171.1	**7.3**		38.9	178.1	**6.6**		160
95	110	170													15.8	133.5	**7.2**		25.2	152.6	**6.6**		31.8	163.4	**5.9**		170
95	110	180																	11.7	120.7	**5.9**		22.6	143.0	**5.3**		180
95	120	50	75.0	248.1	**22.7**	*																					50
95	120	60	71.0	244.9	**22.7**	*																					60
95	120	70	67.0	240.9	**20.0**	*																					70
95	120	71					70.0	243.1	**21.5**	*																	71
95	120	80	62.8	236.0	**18.1**	*	66.3	239.3	**19.4**	*																	80
95	120	90	58.4	230.1	**16.6**	*	62.0	234.2	**17.5**	*																	90
95	120	91									65.0	236.3	**18.6**	*													91
95	120	100	53.8	223.2	**15.4**	*	57.6	228.2	**16.0**	*	61.3	231.7	**17.0**	*													100
95	120	110	49.0	214.9	**14.4**	*	53.0	221.0	**14.8**	*	56.8	225.4	**15.1**														110
95	120	111													60.0	227.7	**13.8**										111
95	120	120	43.7	205.0	**13.7**	*	48.1	212.5	**13.9**	*	52.1	218.0	**13.3**		55.9	221.8	**12.3**										120
95	120	130	37.8	193.0	**13.2**	*	42.7	202.3	**12.7**		47.1	209.2	**11.8**		51.1	214.1	**10.9**		55.0	217.5	**10.0**						130

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
95	120	140	30.9	177.8	**11.6**	*	36.6	189.8	**11.4**		41.6	198.6	**10.5**		46.1	205.0	**9.7**		50.0	209.3	**8.9**						140
95	120	148																					50.0	205.6	**7.4**		148
95	120	150	22.2	156.8	**9.6**	*	29.6	173.8	**10.2**		35.4	185.6	**9.4**		40.4	194.0	**8.7**		44.9	199.8	**7.9**		48.8	203.5	**7.2**		150
95	120	160					20.3	151.3	**9.2**		28.1	168.8	**8.5**		34.1	180.4	**7.8**		39.1	188.3	**7.0**		43.5	193.5	**6.4**		160
95	120	170									18.0	144.2	**7.6**		26.4	162.5	**7.0**		32.5	173.9	**6.3**		37.5	181.4	**5.7**		170
95	120	180													15.2	134.8	**6.3**		24.3	154.7	**5.6**		30.6	166.1	**5.0**		180
95	120	190																	11.3	121.6	**5.1**		21.8	144.9	**4.5**		190
95	130	53	75.0	257.8	**22.7**	*																					53
95	130	60	72.3	255.5	**21.1**	*																					60
95	130	70	68.5	251.8	**18.9**	*																					70
95	130	74					70.0	252.5	**19.5**	*																	74
95	130	80	64.6	247.2	**17.0**	*	67.8	250.2	**18.3**	*																	80
95	130	90	60.6	241.8	**15.5**	*	63.9	245.5	**16.5**	*																	90
95	130	95									65.0	245.4	**16.7**	*													95
95	130	100	56.4	235.5	**14.3**	*	59.9	240.0	**15.0**	*	63.2	243.1	**16.0**	*													100
95	130	110	52.0	228.0	**13.3**	*	55.7	233.5	**13.8**	*	59.1	237.3	**14.6**	*													110
95	130	116													60.0	236.4	**12.7**										116
95	130	120	47.3	219.2	**12.5**	*	51.2	225.8	**12.8**	*	54.9	230.6	**13.0**		58.3	233.8	**12.0**										120
95	130	130	42.2	208.8	**11.9**	*	46.4	216.8	**12.1**	*	50.4	222.7	**11.5**		54.0	226.9	**10.6**										130
95	130	135																	55.0	225.7	**9.1**						135
95	130	140	36.5	196.2	**11.5**	*	41.3	206.0	**11.1**		45.5	213.4	**10.3**		49.4	218.7	**9.4**		53.0	222.3	**8.6**						140
95	130	150	29.9	180.4	**9.9**	*	35.4	192.9	**10.0**		40.2	202.3	**9.2**		44.5	209.1	**8.4**		48.4	213.8	**7.6**						150
95	130	154																					50.0	213.3	**6.5**		154
95	130	160	21.4	158.7	**8.2**	*	28.6	176.3	**9.0**		34.3	188.7	**8.2**		39.1	197.5	**7.5**		43.3	203.8	**6.8**		47.1	207.8	**6.1**		160
95	130	170					19.6	153.0	**8.1**		27.2	171.2	**7.4**		33.0	183.3	**6.7**		37.8	191.7	**6.0**		42.0	197.4	**5.4**		170
95	130	180									17.4	145.6	**6.7**		25.5	164.7	**6.0**		31.4	176.7	**5.4**		36.3	184.7	**4.8**		180
95	130	190													14.7	136.0	**5.4**		23.5	156.7	**4.8**		29.6	168.7	**4.2**		190
95	130	200																	10.9	122.5	**4.3**		21.1	146.7	**3.7**		200
95	140	55	75.0	267.5	**21.0**	*																					55
95	140	60	73.3	266.0	**19.8**	*																					60
95	140	70	69.8	262.5	**17.7**	*																					70
95	140	78					70.0	261.9	**17.6**	*																	78
95	140	80	66.2	258.3	**15.9**	*	69.2	261.0	**17.2**	*																	80
95	140	90	62.5	253.3	**14.4**	*	65.6	256.7	**15.5**	*																	90

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
95	140	100	58.6	247.5	**13.3**	*	61.8	251.5	**14.0**	*	65.0	254.4	**15.0**	*																	100
95	140	110	54.6	240.6	**12.3**	*	57.9	245.5	**12.8**	*	61.1	249.0	**13.6**	*																	110
95	140	120	50.3	232.7	**11.5**	*	53.9	238.5	**11.8**	*	57.2	242.8	**12.4**	*																	120
95	140	121													60.0	245.1	**11.6**														121
95	140	130	45.8	223.5	**10.8**	*	49.6	230.4	**11.0**	*	53.1	235.6	**11.3**		56.4	239.2	**10.4**														130
95	140	140	40.9	212.5	**10.3**	*	45.0	220.9	**10.4**	*	48.8	227.2	**10.0**		52.2	231.8	**9.2**														140
95	140	141																	55.0	233.9	**8.2**										141
95	140	150	35.4	199.4	**9.3**	*	40.0	209.6	**9.8**		44.1	217.4	**8.9**		47.8	223.1	**8.1**		51.3	227.1	**7.4**										150
95	140	160	29.0	182.9	**8.0**	*	34.3	196.0	**8.8**		39.0	205.8	**8.0**		43.1	213.0	**7.2**		46.8	218.1	**6.5**		50.0	221.0	**5.8**						160
95	140	170	20.8	160.5	**6.6**	*	27.7	178.8	**7.9**		33.2	191.6	**7.2**		37.9	200.9	**6.5**		42.0	207.6	**5.8**		45.6	212.0	**5.1**						170
95	140	180					19.0	154.6	**6.7**	*	26.3	173.5	**6.4**		31.9	186.1	**5.8**		36.6	195.0	**5.1**		40.7	201.0	**4.5**						180
95	140	190									16.9	147.1	**5.8**		24.7	166.9	**5.2**		30.5	179.4	**4.6**		35.2	187.8	**4.0**						190
95	140	200													14.3	137.2	**4.6**		22.8	158.7	**4.0**		28.7	171.2	**3.5**						200
95	140	210																	10.6	123.3	**3.6**		20.4	148.4	**3.0**						210
95	150	58	75.0	277.1	**19.0**	*																									58
95	150	60	74.3	276.5	**18.5**	*																									60
95	150	70	71.0	273.2	**16.5**	*																									70
95	150	80	67.6	269.2	**14.8**	*																									80
95	150	81					70.0	271.3	**15.9**	*																					81
95	150	90	64.1	264.6	**13.4**	*	67.0	267.7	**14.5**	*																					90
95	150	100	60.5	259.2	**12.3**	*	63.5	262.9	**13.0**	*																					100
95	150	104									65.0	263.5	**13.5**	*																	104
95	150	110	56.8	252.9	**11.3**	*	59.9	257.3	**11.8**	*	62.8	260.4	**12.7**	*																	110
95	150	120	52.9	245.6	**10.5**	*	56.2	250.9	**10.9**	*	59.2	254.7	**11.5**	*																	120
95	150	126													60.0	253.7	**10.6**														126
95	150	130	48.8	237.2	**9.8**	*	52.2	243.4	**10.1**	*	55.4	248.0	**10.5**	*	58.5	251.2	**10.1**														130
95	150	140	44.4	227.5	**9.3**	*	48.1	234.8	**9.4**	*	51.5	240.4	**9.8**		54.7	244.4	**8.9**														140
95	150	147																	55.0	242.1	**7.4**										147
95	150	150	39.7	216.1	**8.4**	*	43.6	224.9	**8.9**	*	47.3	231.6	**8.7**		50.7	236.5	**7.9**		53.8	239.8	**7.1**										150
95	150	160	34.3	202.4	**7.0**	*	38.8	213.1	**8.5**		42.8	221.3	**7.8**		46.4	227.4	**7.0**		49.7	231.7	**6.2**										160
95	150	167																					50.0	228.6	**5.0**						167
95	150	170	28.1	185.4	**4.6**	*	33.3	198.9	**7.0**	*	37.8	209.2	**6.9**		41.8	216.8	**6.2**		45.4	222.3	**5.5**		48.7	225.9	**4.8**						170
95	150	180	20.2	162.2	**2.4**	*	26.9	181.1	**4.6**	*	32.2	194.5	**6.2**		36.8	204.2	**5.5**		40.7	211.3	**4.9**		44.3	216.1	**4.2**						180
95	150	190					18.4	156.2	**2.5**	*	25.5	175.7	**4.7**	*	31.0	188.9	**4.9**		35.6	198.2	**4.3**		39.5	204.6	**3.7**						190
95	150	200									16.4	148.4	**2.4**	*	24.0	169.0	**4.4**		29.6	182.0	**3.8**		34.1	190.8	**3.2**						200

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
95	150	210													13.8	138.3	**2.3**	*	22.1	160.6	**3.3**		27.9	173.6	**2.8**						210
95	150	220																	10.2	124.2	**2.1**	*	19.8	150.1	**2.4**						220
105	80	40	75.0	219.5	**22.7**	*																									40
105	80	50	69.4	215.9	**22.7**	*																									50
105	80	58					70.0	215.5	**22.7**	*																					58
105	80	60	63.8	211.3	**22.7**	*	68.9	214.7	**22.7**	*																					60
105	80	70	57.9	205.4	**22.7**	*	63.3	210.0	**22.7**	*																					70
105	80	76									65.0	209.9	**22.7**	*																	76
105	80	80	51.5	198.0	**22.1**	*	57.3	204.0	**22.7**	*	62.7	207.8	**22.7**	*																	80
105	80	90	44.4	188.5	**20.2**	*	50.9	196.4	**22.2**		56.7	201.7	**20.7**																		90
105	80	93													60.0	202.8	**18.4**														93
105	80	100	36.3	176.2	**17.9**	*	43.8	186.7	**19.4**		50.2	193.9	**18.1**		56.0	198.5	**16.8**														100
105	80	110	26.1	158.8	**16.0**	*	35.6	174.1	**17.1**		43.1	184.0	**15.9**		49.5	190.5	**14.8**		55.0	194.1	**13.6**										110
105	80	120	5.4	119.9	**12.1**	*	25.0	156.0	**15.2**		34.7	171.0	**14.1**		42.2	180.3	**13.1**		48.5	186.0	**12.1**										120
105	80	126																					50.0	184.1	**10.3**						126
105	80	130									23.7	152.1	**12.6**		33.6	166.8	**11.7**		41.1	175.4	**10.8**		47.3	180.5	**9.8**						130
105	80	140													22.1	146.7	**10.5**		32.2	161.3	**9.6**		39.7	169.4	**8.8**						140
105	80	150																	20.0	139.6	**8.6**		30.5	154.4	**7.9**						150
105	80	160																					17.0	130.2	**7.1**						160
105	90	42	75.0	229.2	**22.7**	*																									42
105	90	50	71.2	226.6	**22.7**	*																									50
105	90	60	66.1	222.5	**22.7**	*																									60
105	90	61					70.0	224.9	**22.7**	*																					61
105	90	70	60.8	217.2	**22.7**	*	65.6	221.2	**22.7**	*																					70
105	90	80	55.2	210.6	**21.7**	*	60.3	215.8	**22.7**	*	65.0	219.0	**22.7**	*																	80
105	90	90	49.1	202.5	**20.3**	*	54.7	209.2	**21.0**	*	59.8	213.6	**20.5**																		90
105	90	98													60.0	211.4	**16.9**														98
105	90	100	42.5	192.4	**19.3**	*	48.6	200.9	**19.1**		54.1	206.8	**17.8**		59.1	210.5	**16.5**														100
105	90	110	34.7	179.3	**17.5**	*	41.8	190.5	**16.8**		48.0	198.3	**15.6**		53.4	203.5	**14.5**														110
105	90	116																	55.0	202.3	**12.4**										116
105	90	120	24.9	160.9	**15.0**	*	34.0	177.1	**14.9**		41.1	187.7	**13.9**		47.2	194.8	**12.8**		52.6	199.2	**11.8**										120
105	90	130	5.1	120.2	**10.5**	*	23.9	158.0	**13.3**		33.1	173.9	**12.4**		40.3	183.9	**11.4**		46.3	190.3	**10.5**										130
105	90	132																					50.0	191.7	**9.3**						132
105	90	140									22.6	154.0	**11.1**		32.1	169.6	**10.2**		39.2	179.0	**9.4**		45.2	184.6	**8.5**						140

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																							Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
105	90	150													21.1	148.5	**9.2**		30.8	164.0	**8.4**		37.9	172.8	**7.6**		150
105	90	160																	19.1	141.2	**7.5**		29.1	157.0	**6.8**		160
105	90	170																					16.2	131.5	**6.1**		170
105	100	45	75.0	238.8	**22.7**	*																					45
105	100	50	72.7	237.2	**22.7**	*																					50
105	100	60	68.0	233.4	**22.7**	*																					60
105	100	65					70.0	234.3	**22.7**	*																	65
105	100	70	63.2	228.6	**22.1**	*	67.6	232.2	**22.7**	*																	70
105	100	80	58.2	222.8	**20.3**	*	62.8	227.3	**21.6**	*																	80
105	100	84									65.0	228.0	**22.0**														84
105	100	90	52.9	215.6	**18.8**	*	57.7	221.4	**19.6**	*	62.3	225.2	**20.2**														90
105	100	100	47.1	206.9	**17.7**	*	52.4	214.1	**18.2**	*	57.2	219.1	**17.5**														100
105	100	103													60.0	220.1	**15.5**										103
105	100	110	40.7	196.1	**17.0**	*	46.6	205.2	**16.6**		51.8	211.6	**15.4**		56.6	215.9	**14.2**										110
105	100	120	33.3	182.2	**15.7**	*	40.1	194.1	**14.7**		46.0	202.6	**13.6**		51.2	208.3	**12.5**										120
105	100	122																	55.0	210.5	**11.3**						122
105	100	130	23.9	163.0	**13.0**	*	32.6	180.0	**13.1**		39.4	191.3	**12.1**		45.3	199.0	**11.1**		50.4	203.9	**10.2**						130
105	100	139																					50.0	199.4	**8.3**		139
105	100	140					22.9	160.0	**11.8**		31.8	176.7	**10.9**		38.6	187.4	**10.0**		44.4	194.3	**9.1**		49.4	198.5	**8.2**		140
105	100	150									21.7	155.8	**9.8**		30.8	172.3	**8.9**		37.6	182.3	**8.1**		43.3	188.5	**7.3**		150
105	100	160													20.2	150.2	**8.0**		29.5	166.6	**7.3**		36.3	176.0	**6.5**		160
105	100	170																	18.3	142.8	**6.5**		27.9	159.4	**5.9**		170
105	100	180																					15.6	132.8	**5.2**		180
105	110	47	75.0	248.5	**22.7**	*																					47
105	110	50	73.9	247.7	**22.7**	*																					50
105	110	60	69.6	244.2	**22.7**	*																					60
105	110	68					70.0	243.7	**22.7**	*																	68
105	110	70	65.3	239.9	**20.8**	*	69.3	243.0	**22.7**	*																	70
105	110	80	60.7	234.5	**19.0**	*	64.9	238.6	**20.4**	*																	80
105	110	89									65.0	237.1	**20.2**	*													89
105	110	90	55.9	228.1	**17.5**	*	60.3	233.2	**18.4**	*	64.4	236.5	**19.9**														90
105	110	100	50.8	220.3	**16.4**	*	55.5	226.6	**17.0**	*	59.8	230.9	**17.3**														100
105	110	108													60.0	228.7	**14.2**										108
105	110	110	45.3	211.0	**15.5**	*	50.3	218.8	**15.8**	*	55.0	224.3	**15.1**		59.3	227.8	**13.9**										110

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																							Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
105	110	120	39.1	199.6	**14.9**	*	44.8	209.3	**14.5**		49.8	216.3	**13.3**		54.4	221.0	**12.3**										120
105	110	127																	55.0	218.7	**10.2**						127
105	110	130	32.0	185.0	**13.5**	*	38.6	197.6	**12.9**		44.2	206.6	**11.9**		49.2	212.8	**10.9**		53.7	216.8	**9.9**						130
105	110	140	23.0	164.9	**11.2**	*	31.3	182.7	**11.5**		37.9	194.7	**10.6**		43.5	202.9	**9.7**		48.4	208.4	**8.8**						140
105	110	145																					50.0	207.1	**7.4**		145
105	110	150					22.0	161.9	**10.4**		30.6	179.4	**9.5**		37.1	190.7	**8.7**		42.7	198.2	**7.8**		47.5	202.8	**7.0**		150
105	110	160									20.9	157.6	**8.6**		29.6	174.9	**7.8**		36.2	185.6	**7.0**		41.6	192.3	**6.3**		160
105	110	170													19.5	151.9	**7.0**		28.4	169.1	**6.3**		35.0	179.1	**5.6**		170
105	110	180																	17.6	144.2	**5.6**		26.9	161.7	**5.0**		180
105	110	190																					15.0	134.0	**4.4**		190
105	120	50	75.0	258.1	**22.7**	*																					50
105	120	60	71.0	254.9	**22.0**	*																					60
105	120	70	67.0	250.9	**19.6**	*																					70
105	120	72					70.0	253.1	**21.1**	*																	72
105	120	80	62.8	246.0	**17.8**	*	66.6	249.6	**19.2**	*																	80
105	120	90	58.4	240.1	**16.3**	*	62.4	244.7	**17.4**	*																	90
105	120	93									65.0	246.2	**18.2**	*													93
105	120	100	53.8	233.2	**15.2**	*	58.0	238.7	**15.9**	*	62.0	242.5	**17.0**														100
105	120	110	49.0	224.9	**14.2**	*	53.4	231.6	**14.7**	*	57.6	236.4	**14.9**														110
105	120	113													60.0	237.4	**13.0**										113
105	120	120	43.7	215.0	**13.5**	*	48.5	223.2	**13.8**	*	53.0	229.2	**13.1**		57.1	233.2	**12.0**										120
105	120	130	37.8	203.0	**13.0**	*	43.2	213.2	**12.6**		48.0	220.7	**11.6**		52.4	225.9	**10.6**										130
105	120	133																	55.0	226.9	**9.2**						133
105	120	140	30.9	187.8	**11.6**	*	37.2	200.9	**11.3**		42.6	210.5	**10.4**		47.4	217.2	**9.4**		51.7	221.6	**8.5**						140
105	120	150	22.2	166.8	**9.6**	*	30.2	185.4	**10.2**		36.6	197.9	**9.3**		42.0	206.7	**8.4**		46.7	212.7	**7.6**						150
105	120	152																					50.0	214.7	**6.6**		152
105	120	160					21.2	163.7	**9.2**		29.5	182.0	**8.3**		35.8	193.9	**7.5**		41.1	201.9	**6.7**		45.8	207.0	**6.0**		160
105	120	170									20.1	159.3	**7.5**		28.6	177.4	**6.8**		34.9	188.7	**6.0**		40.1	195.9	**5.3**		170
105	120	180													18.8	153.4	**6.1**		27.4	171.4	**5.4**		33.7	182.1	**4.7**		180
105	120	190																	17.0	145.7	**4.8**		25.9	164.0	**4.2**		190
105	120	200																					14.4	135.2	**3.7**		200
105	130	53	75.0	267.8	**22.7**	*																					53
105	130	60	72.3	265.5	**20.6**	*																					60
105	130	70	68.5	261.8	**18.4**	*																					70

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees							
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)					
105	130	75				70.0	262.5	**19.1** *																	75
105	130	80	64.6	257.2	**16.6** *	68.2	260.5	**18.1** *																	80
105	130	90	60.6	251.8	**15.2** *	64.3	255.9	**16.3** *																	90
105	130	97							65.0	255.2	**16.4** *														97
105	130	100	56.4	245.5	**14.0** *	60.2	250.5	**14.8** *	63.9	253.8	**16.0** *														100
105	130	110	52.0	238.0	**13.1** *	56.0	244.0	**13.6** *	59.8	248.2	**14.5** *														110
105	130	118										60.0	246.1	**11.9**											118
105	130	120	47.3	229.2	**12.3** *	51.6	236.5	**12.7** *	55.6	241.7	**12.8**	59.4	245.1	**11.7**											120
105	130	130	42.2	218.8	**11.7** *	46.9	227.6	**11.9** *	51.2	234.0	**11.4**	55.1	238.5	**10.3**											130
105	130	139													55.0	235.1	**8.3**								139
105	130	140	36.5	206.2	**11.3** *	41.7	217.0	**11.1**	46.4	225.0	**10.1**	50.6	230.6	**9.2**	54.5	234.3	**8.2**								140
105	130	150	29.9	190.4	**9.9** *	36.0	204.1	**9.9**	41.2	214.2	**9.0**	45.8	221.4	**8.2**	50.0	226.2	**7.3**								150
105	130	158																50.0	222.4	**5.8**					158
105	130	160	21.4	168.7	**8.2** *	29.2	187.9	**8.9**	35.4	201.1	**8.1**	40.6	210.4	**7.3**	45.1	216.8	**6.5**	49.2	220.8	**5.7**					160
105	130	170				20.5	165.5	**8.0**	28.5	184.5	**7.3**	34.6	197.0	**6.5**	39.8	205.5	**5.8**	44.2	211.1	**5.0**					170
105	130	180							19.5	161.0	**6.5**	27.6	179.8	**5.8**	33.7	191.6	**5.1**	38.8	199.4	**4.4**					180
105	130	190										18.2	155.0	**5.2**	26.5	173.7	**4.5**	32.6	185.0	**3.9**					190
105	130	200													16.4	147.0	**4.0**	25.1	166.1	**3.4**					200
105	130	210																13.9	136.4	**3.0**					210
105	140	55	75.0	277.5	**20.4** *																				55
105	140	60	73.3	276.0	**19.3** *																				60
105	140	70	69.8	272.5	**17.3** *																				70
105	140	79				70.0	271.9	**17.2** *																	79
105	140	80	66.2	268.3	**15.5** *	69.5	271.3	**17.0** *																	80
105	140	90	62.5	263.3	**14.1** *	65.9	267.0	**15.3** *																	90
105	140	100	58.6	257.5	**13.0** *	62.1	262.0	**13.8** *																	100
105	140	101							65.0	264.3	**14.7** *														101
105	140	110	54.6	250.6	**12.0** *	58.3	256.1	**12.6** *	61.8	259.8	**13.6** *														110
105	140	120	50.3	242.7	**11.2** *	54.2	249.2	**11.7** *	57.9	253.8	**12.4** *														120
105	140	123										60.0	254.7	**10.9**											123
105	140	130	45.8	233.5	**10.6** *	50.0	241.1	**10.9** *	53.8	246.8	**11.1**	57.4	250.6	**10.1**											130
105	140	140	40.9	222.5	**10.1** *	45.4	231.7	**10.2** *	49.5	238.6	**9.9**	53.3	243.5	**8.9**											140
105	140	145													55.0	243.3	**7.5**								145
105	140	150	35.4	209.4	**9.2** *	40.4	220.6	**9.7**	44.9	229.1	**8.8**	49.0	235.2	**7.9**	52.7	239.2	**7.0**								150
105	140	160	29.0	192.9	**7.9** *	34.9	207.3	**8.7**	39.9	217.8	**7.8**	44.4	225.5	**7.0**	48.4	230.7	**6.2**								160

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
105	140	165																					50.0	230.0	**5.1**		165
105	140	170	20.8	170.5	**6.6**	*	28.3	190.4	**7.8**		34.3	204.1	**7.0**		39.3	213.9	**6.2**		43.7	220.8	**5.5**		47.6	225.2	**4.7**		170
105	140	180					19.9	167.1	**7.0**		27.6	186.9	**6.3**		33.6	199.9	**5.6**		38.5	209.0	**4.8**		42.8	215.0	**4.1**		180
105	140	190									18.9	162.6	**5.7**		26.8	182.1	**5.0**		32.7	194.5	**4.3**		37.6	202.8	**3.6**		190
105	140	200													17.6	156.5	**4.4**		25.7	176.0	**3.8**		31.6	187.8	**3.2**		200
105	140	210																	15.9	148.4	**3.3**		24.3	168.2	**2.7**		210
105	140	220																					13.5	137.5	**2.3**		220
105	150	58	75.0	287.1	**18.5**	*																					58
105	150	60	74.3	286.5	**18.0**	*																					60
105	150	70	71.0	283.2	**16.1**	*																					70
105	150	80	67.6	279.2	**14.5**	*																					80
105	150	82					70.0	281.3	**15.5**	*																	82
105	150	90	64.1	274.6	**13.1**	*	67.3	278.0	**14.2**	*																	90
105	150	100	60.5	269.2	**12.0**	*	63.8	273.3	**12.9**	*																	100
105	150	106									65.0	273.3	**13.2**	*													106
105	150	110	56.8	262.9	**11.0**	*	60.2	267.8	**11.7**	*	63.5	271.1	**12.6**	*													110
105	150	120	52.9	255.6	**10.2**	*	56.5	261.4	**10.7**	*	59.9	265.6	**11.5**	*													120
105	150	128													60.0	263.4	**10.0**										128
105	150	130	48.8	247.2	**9.6**	*	52.6	254.1	**9.9**	*	56.1	259.1	**10.5**	*	59.4	262.4	**9.8**										130
105	150	140	44.4	237.5	**9.1**	*	48.5	245.6	**9.3**	*	52.2	251.7	**9.6**		55.7	255.9	**8.6**										140
105	150	150	39.7	226.1	**8.3**	*	44.0	235.8	**8.7**	*	48.0	243.1	**8.5**		51.7	248.3	**7.6**		55.0	251.5	**6.7**						150
105	150	160	34.3	212.4	**7.0**	*	39.2	224.2	**8.3**	*	43.6	233.1	**7.6**		47.5	239.6	**6.8**		51.2	244.0	**5.9**						160
105	150	170	28.1	195.4	**4.6**	*	33.8	210.3	**7.2**	*	38.7	221.3	**6.8**		43.1	229.4	**6.0**		46.9	235.0	**5.2**						170
105	150	171																					50.0	237.7	**4.4**		171
105	150	180	20.2	172.2	**2.4**	*	27.5	192.8	**4.8**	*	33.3	207.1	**6.1**		38.1	217.4	**5.3**		42.4	224.6	**4.6**		46.2	229.5	**3.9**		180
105	150	190					19.3	168.8	**2.6**	*	26.8	189.2	**5.0**	*	32.6	202.8	**4.7**		37.4	212.3	**4.0**		41.6	218.8	**3.3**		190
105	150	200									18.3	164.1	**2.8**	*	26.0	184.4	**4.2**		31.7	197.3	**3.5**		36.5	206.1	**2.9**		200
105	150	210													17.1	157.9	**2.9**	*	24.9	178.1	**3.1**		30.7	190.5	**2.5**		210
105	150	220																	15.4	149.7	**2.7**		23.6	170.3	**2.1**		220
115	80	40	75.0	229.5	**22.7**	*																					40
115	80	50	69.4	225.9	**22.7**	*																					50
115	80	59					70.0	225.5	**22.7**	*																	59
115	80	60	63.8	221.3	**22.7**	*	69.4	225.0	**22.7**	*																	60
115	80	70	57.9	215.4	**22.7**	*	63.8	220.4	**22.7**	*																	70

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
115	80	78									65.0	219.8	**22.7**	*																	78
115	80	80	51.5	208.0	**22.1**	*	57.9	214.5	**22.7**	*	63.7	218.6	**22.7**	*																	80
115	80	90	44.4	198.5	**20.2**	*	51.5	207.1	**22.1**		57.8	212.7	**20.5**																		90
115	80	96													60.0	212.4	**17.3**														96
115	80	100	36.3	186.2	**17.8**	*	44.5	197.6	**19.3**		51.4	205.2	**17.8**		57.6	209.9	**16.4**														100
115	80	110	26.1	168.8	**16.0**	*	36.3	185.3	**17.0**		44.4	195.8	**15.7**		51.2	202.4	**14.4**														110
115	80	114																	55.0	203.5	**12.6**										114
115	80	120	5.4	129.9	**12.3**	*	26.1	167.9	**15.1**		36.2	183.4	**13.9**		44.1	192.8	**12.8**		50.8	198.4	**11.7**										120
115	80	130					5.4	129.0	**13.5**		25.9	165.9	**12.4**		36.0	180.4	**11.4**		43.7	188.8	**10.4**		50.0	193.1	**9.3**						130
115	80	140													25.6	162.6	**10.2**		35.5	176.1	**9.3**		43.0	183.5	**8.4**						140
115	80	150																	24.8	157.9	**8.3**		34.6	170.5	**7.5**						150
115	80	160																					23.7	151.5	**6.7**						160
115	90	42	75.0	239.2	**22.7**	*																									42
115	90	50	71.2	236.6	**22.7**	*																									50
115	90	60	66.1	232.5	**22.7**	*																									60
115	90	62					70.0	234.9	**22.7**	*																					62
115	90	70	60.8	227.2	**22.7**	*	66.1	231.6	**22.7**	*																					70
115	90	80	55.2	220.6	**21.3**	*	60.8	226.3	**22.7**	*																					80
115	90	82									65.0	228.8	**22.6**																		82
115	90	90	49.1	212.5	**20.0**	*	55.2	219.8	**20.8**	*	60.7	224.5	**20.2**																		90
115	90	100	42.5	202.4	**19.1**	*	49.1	211.6	**19.0**		55.1	217.9	**17.6**																		100
115	90	101													60.0	221.1	**15.9**														101
115	90	110	34.7	189.3	**17.5**	*	42.5	201.5	**16.7**		49.1	209.8	**15.4**		54.9	215.1	**14.1**														110
115	90	119																	55.0	211.7	**11.4**										119
115	90	120	24.9	170.9	**15.0**	*	34.7	188.4	**14.9**		42.4	199.6	**13.7**		48.9	206.9	**12.5**		54.6	211.2	**11.4**										120
115	90	130	5.1	130.2	**10.6**	*	24.9	170.0	**13.3**		34.6	186.5	**12.2**		42.2	196.7	**11.1**		48.5	202.9	**10.1**										130
115	90	137																					50.0	200.8	**8.4**						137
115	90	140					5.2	129.3	**11.8**	*	24.8	168.0	**10.9**		34.4	183.4	**10.0**		41.8	192.5	**9.0**		47.9	197.8	**8.1**						140
115	90	150													24.4	164.7	**8.9**		33.9	179.1	**8.1**		41.1	187.2	**7.2**						150
115	90	160																	23.7	159.9	**7.2**		33.1	173.4	**6.4**						160
115	90	170																					22.6	153.4	**5.8**						170
115	100	45	75.0	248.8	**22.7**	*																									45
115	100	50	72.7	247.2	**22.7**	*																									50
115	100	60	68.0	243.4	**22.7**	*																									60

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
115	100	66					70.0	244.3	**22.7**	*															66
115	100	70	63.2	238.6	**21.7**	*	68.0	242.5	**22.7**	*															70
115	100	80	58.2	232.8	**19.9**	*	63.2	237.8	**21.4**	*															80
115	100	86									65.0	237.9	**21.1**												86
115	100	90	52.9	225.6	**18.5**	*	58.2	231.9	**19.5**	*	63.2	235.9	**19.9**												90
115	100	100	47.1	216.9	**17.4**	*	52.9	224.7	**18.0**	*	58.1	230.1	**17.3**												100
115	100	106													60.0	229.7	**14.6**								106
115	100	110	40.7	206.1	**16.7**	*	47.1	216.0	**16.5**		52.8	222.9	**15.2**		58.0	227.3	**13.9**								110
115	100	120	33.3	192.2	**15.7**	*	40.7	205.2	**14.6**		47.0	214.1	**13.4**		52.6	220.0	**12.2**								120
115	100	125																	55.0	219.9	**10.4**				125
115	100	130	23.9	173.0	**13.0**	*	33.3	191.3	**13.0**		40.6	203.3	**11.9**		46.8	211.2	**10.9**		52.3	216.1	**9.8**				130
115	100	140					23.9	172.1	**11.7**		33.2	189.4	**10.7**		40.4	200.3	**9.7**		46.5	207.2	**8.7**				140
115	100	143																					50.0	208.5	**7.5**		143
115	100	150									23.8	170.1	**9.6**		33.0	186.3	**8.7**		40.0	196.2	**7.8**		45.9	202.1	**6.9**		150
115	100	160													23.4	166.7	**7.8**		32.5	181.9	**7.0**		39.4	190.8	**6.1**		160
115	100	170																	22.8	161.9	**6.3**		31.7	176.2	**5.5**		170
115	100	180																					21.7	155.3	**4.9**		180
115	110	47	75.0	258.5	**22.7**	*																			47
115	110	50	73.9	257.7	**22.7**	*																			50
115	110	60	69.6	254.2	**22.7**	*																			60
115	110	69					70.0	253.7	**22.7**	*															69
115	110	70	65.3	249.9	**20.4**	*	69.7	253.3	**22.7**	*															70
115	110	80	60.7	244.5	**18.6**	*	65.3	249.0	**20.2**	*															80
115	110	90	55.9	238.1	**17.2**	*	60.7	243.6	**18.3**	*	65.0	246.9	**19.5**												90
115	110	100	50.8	230.3	**16.1**	*	55.9	237.2	**16.8**	*	60.6	241.8	**17.0**												100
115	110	110	45.3	221.0	**15.2**	*	50.8	229.5	**15.7**	*	55.8	235.4	**14.9**												110
115	110	111													60.0	238.4	**13.4**								111
115	110	120	39.1	209.6	**14.6**	*	45.3	220.1	**14.4**		50.7	227.6	**13.1**		55.7	232.5	**11.9**								120
115	110	130	32.0	195.0	**13.5**	*	39.1	208.7	**12.8**		45.2	218.3	**11.7**		50.6	224.7	**10.6**								130
115	110	131																	55.0	228.1	**9.4**				131
115	110	140	23.0	174.9	**11.2**	*	32.0	194.2	**11.5**		39.1	206.8	**10.4**		45.0	215.3	**9.4**		50.3	220.8	**8.4**				140
115	110	150					23.0	174.1	**10.3**		31.9	192.2	**9.4**		38.9	203.8	**8.4**		44.7	211.3	**7.5**		50.0	216.1	**6.6**		150
115	110	160									22.9	172.0	**8.4**		31.7	189.1	**7.6**		38.5	199.6	**6.7**		44.2	206.1	**5.9**		160
115	110	170													22.5	168.7	**6.8**		31.3	184.7	**6.0**		37.9	194.2	**5.2**		170
115	110	180																	21.9	163.7	**5.4**		30.5	178.9	**4.6**		180

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																					Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees						
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)				
115	110	190																20.8	157.0	**4.1**				190
115	120	50	75.0	268.1	**22.7**	*																		50
115	120	60	71.0	264.9	**21.4**	*																		60
115	120	70	67.0	260.9	**19.2**	*																		70
115	120	73					70.0	263.0	**20.6**	*														73
115	120	80	62.8	256.0	**17.4**	*	67.0	260.0	**19.0**	*														80
115	120	90	58.4	250.1	**16.0**	*	62.8	255.1	**17.2**	*														90
115	120	95									65.0	256.0	**17.9**	*										95
115	120	100	53.8	243.2	**14.9**	*	58.4	249.2	**15.7**	*	62.7	253.3	**16.7**											100
115	120	110	49.0	234.9	**13.9**	*	53.8	242.3	**14.5**	*	58.4	247.4	**14.6**											110
115	120	116													60.0	247.1	**12.3**							116
115	120	120	43.7	225.0	**13.2**	*	49.0	234.0	**13.6**	*	53.8	240.4	**12.9**		58.2	244.6	**11.7**							120
115	120	130	37.8	213.0	**12.8**	*	43.7	224.1	**12.6**		48.9	232.1	**11.4**		53.6	237.6	**10.3**							130
115	120	136																55.0	236.3	**8.5**				136
115	120	140	30.9	197.8	**11.6**	*	37.8	212.1	**11.2**		43.6	222.2	**10.2**		48.7	229.3	**9.1**	53.4	233.7	**8.1**				140
115	120	150	22.2	176.8	**9.6**	*	30.9	196.9	**10.1**		37.7	210.2	**9.1**		43.4	219.3	**8.2**	48.5	225.3	**7.2**				150
115	120	156																			50.0	223.8	**5.8**	156
115	120	160					22.2	176.0	**9.1**		30.8	194.9	**8.2**		37.5	207.1	**7.3**	43.1	215.2	**6.4**	48.0	220.2	**5.6**	160
115	120	170									22.1	173.9	**7.4**		30.6	191.8	**6.5**	37.1	202.9	**5.7**	42.6	210.0	**4.9**	170
115	120	180													21.7	170.5	**5.9**	30.2	187.3	**5.1**	36.6	197.4	**4.3**	180
115	120	190																21.1	165.5	**4.5**	29.4	181.4	**3.8**	190
115	120	200																			20.1	158.8	**3.4**	200
115	130	53	75.0	277.8	**21.9**	*																		53
115	130	60	72.3	275.5	**20.1**	*																		60
115	130	70	68.5	271.8	**18.0**	*																		70
115	130	76					70.0	272.4	**18.6**	*														76
115	130	80	64.6	267.2	**16.2**	*	68.5	270.9	**17.9**	*														80
115	130	90	60.6	261.8	**14.9**	*	64.6	266.3	**16.1**	*														90
115	130	99									65.0	265.1	**16.1**	*										99
115	130	100	56.4	255.5	**13.7**	*	60.6	260.9	**14.6**	*	64.6	264.5	**15.9**	*										100
115	130	110	52.0	248.0	**12.8**	*	56.4	254.6	**13.4**	*	60.6	259.1	**14.4**											110
115	130	120	47.3	239.2	**12.0**	*	52.0	247.1	**12.5**	*	56.4	252.8	**12.6**											120
115	130	121													60.0	255.7	**11.2**							121
115	130	130	42.2	228.8	**11.5**	*	47.3	238.4	**11.7**	*	52.0	245.3	**11.2**		56.2	249.9	**10.0**							130

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
115	130	140	36.5	216.2	**11.1**	*	42.2	227.9	**11.0**		47.2	236.5	**9.9**		51.8	242.4	**8.9**														140
115	130	142																	55.0	244.5	**7.6**										142
115	130	150	29.9	200.4	**9.9**	*	36.5	215.3	**9.9**		42.1	226.1	**8.9**		47.1	233.6	**7.9**		51.6	238.5	**6.9**										150
115	130	160	21.4	178.7	**8.2**	*	29.9	199.5	**8.9**		36.4	213.4	**7.9**		42.0	223.1	**7.0**		46.8	229.6	**6.1**										160
115	130	162																					50.0	231.4	**5.1**						162
115	130	170					21.4	177.8	**8.0**		29.8	197.5	**7.1**		36.3	210.4	**6.3**		41.7	219.0	**5.4**		46.4	224.5	**4.6**						170
115	130	180									21.3	175.7	**6.4**		29.6	194.4	**5.6**		35.9	206.1	**4.8**		41.2	213.7	**4.1**						180
115	130	190													21.0	172.3	**5.0**		29.2	189.9	**4.3**		35.3	200.6	**3.6**						190
115	130	200																	20.4	167.3	**3.8**		28.5	183.9	**3.1**						200
115	130	210																					19.4	160.4	**2.7**						210
115	140	55	75.0	287.5	**19.9**	*																									55
115	140	60	73.3	286.0	**18.8**	*																									60
115	140	70	69.8	282.5	**16.8**	*																									70
115	140	79					70.0	281.8	**16.8**	*																					79
115	140	80	66.2	278.3	**15.1**	*	69.8	281.6	**16.7**	*																					80
115	140	90	62.5	273.3	**13.8**	*	66.2	277.4	**15.0**	*																					90
115	140	100	58.6	267.5	**12.7**	*	62.5	272.4	**13.6**	*																					100
115	140	103									65.0	274.1	**14.4**	*																	103
115	140	110	54.6	260.6	**11.7**	*	58.6	266.6	**12.4**	*	62.4	270.6	**13.5**	*																	110
115	140	120	50.3	252.7	**11.0**	*	54.6	259.8	**11.5**	*	58.6	264.7	**12.3**	*																	120
115	140	126													60.0	264.4	**10.3**														126
115	140	130	45.8	243.5	**10.3**	*	50.3	251.8	**10.7**	*	54.5	257.9	**10.9**		58.5	261.9	**9.8**														130
115	140	140	40.9	232.5	**9.9**	*	45.8	242.6	**10.1**	*	50.3	250.0	**9.7**		54.4	255.1	**8.6**														140
115	140	148																	55.0	252.7	**6.8**										148
115	140	150	35.4	219.4	**9.0**	*	40.9	231.6	**9.6**	*	45.7	240.7	**8.6**		50.2	247.1	**7.6**		54.2	251.2	**6.7**										150
115	140	160	29.0	202.9	**7.8**	*	35.4	218.5	**8.6**		40.8	229.8	**7.7**		45.6	237.8	**6.8**		49.9	243.2	**5.9**										160
115	140	169																					50.0	239.1	**4.4**						169
115	140	170	20.8	180.5	**6.6**	*	29.0	202.0	**7.8**		35.3	216.6	**6.9**		40.7	226.8	**6.0**		45.3	233.8	**5.2**		49.5	238.1	**4.3**						170
115	140	180					20.8	179.6	**7.0**		28.9	200.1	**6.2**		35.1	213.5	**5.4**		40.4	222.6	**4.6**		44.9	228.6	**3.8**						180
115	140	190									20.7	177.5	**5.5**		28.7	196.9	**4.8**		34.8	209.2	**4.0**		39.9	217.3	**3.3**						190
115	140	200													20.4	174.0	**4.2**		28.3	192.4	**3.5**		34.2	203.6	**2.8**						200
115	140	210																	19.8	169.0	**3.1**		27.6	186.3	**2.4**						210
115	140	220																					18.8	162.0	**2.0**						220
115	150	58	75.0	297.1	**17.9**	*																									58

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																				Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees					
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)			
115	150	60	74.3	296.5	**17.5** *																		60
115	150	70	71.0	293.2	**15.7** *																		70
115	150	80	67.6	289.2	**14.1** *																		80
115	150	83				70.0	291.2	**15.1** *															83
115	150	90	64.1	284.6	**12.7** *	67.6	288.4	**14.0** *															90
115	150	100	60.5	279.2	**11.6** *	64.1	283.7	**12.6** *															100
115	150	107							65.0	283.2	**12.9** *												107
115	150	110	56.8	272.9	**10.7** *	60.5	278.3	**11.5** *	64.1	281.9	**12.5** *												110
115	150	120	52.9	265.6	**10.0** *	56.8	272.0	**10.5** *	60.5	276.4	**11.4** *												120
115	150	130	48.8	257.2	**9.3** *	52.9	264.7	**9.8** *	56.8	270.2	**10.4** *												130
115	150	131										60.0	273.0	**9.4**									131
115	150	140	44.4	247.5	**8.8** *	48.8	256.4	**9.1** *	52.9	262.9	**9.4**	56.7	267.3	**8.3**									140
115	150	150	39.7	236.1	**8.1** *	44.4	246.6	**8.6** *	48.8	254.5	**8.4**	52.8	260.0	**7.4**									150
115	150	154													55.0	260.9	**6.1**						154
115	150	160	34.3	222.4	**6.9** *	39.7	235.2	**8.1** *	44.4	244.8	**7.4**	48.6	251.6	**6.5**	52.5	256.1	**5.6**						160
115	150	170	28.1	205.4	**4.6** *	34.3	221.5	**7.4** *	39.6	233.3	**6.6**	44.2	241.8	**5.8**	48.4	247.7	**4.9**						170
115	150	175																50.0	246.8	**3.8**			175
115	150	180	20.2	182.2	**2.4** *	28.1	204.5	**5.0** *	34.3	219.6	**5.9**	39.5	230.3	**5.1**	44.0	237.8	**4.3**	48.0	242.6	**3.5**			180
115	150	190				20.2	181.3	**2.8** *	28.0	202.5	**5.3**	34.1	216.6	**4.5**	39.2	226.2	**3.7**	43.6	232.6	**3.0**			190
115	150	200							20.1	179.2	**3.2** *	27.8	199.3	**4.0**	33.8	212.2	**3.2**	38.7	220.8	**2.5**			200
115	150	210										19.8	175.7	**3.5**	27.4	194.8	**2.8**	33.2	206.6	**2.1**			210
115	150	220													19.2	170.6	**2.4**	26.8	188.7				220
115	150	230																18.3	163.6				230
125	80	40	75.0	239.5	**22.7** *																		40
125	80	50	69.4	235.9	**22.7** *																		50
125	80	60	63.8	231.3	**22.7** *	70.0	235.4	**22.7** *															60
125	80	70	57.9	225.4	**22.7** *	64.3	230.8	**22.7** *															70
125	80	79							65.0	229.6	**22.7** *												79
125	80	80	51.5	218.0	**22.1** *	58.4	225.1	**22.7** *	64.7	229.4	**22.7** *												80
125	80	90	44.4	208.5	**20.2** *	52.1	217.8	**22.0**	58.8	223.7	**20.2**												90
125	80	99										60.0	222.1	**16.3**									99
125	80	100	36.3	196.2	**17.8** *	45.1	208.5	**19.2**	52.6	216.5	**17.6**	59.2	221.2	**16.0**									100
125	80	110	26.1	178.8	**16.0** *	37.1	196.5	**16.9**	45.7	207.4	**15.5**	52.9	214.2	**14.1**									110
125	80	117													55.0	212.9	**11.6**						117
125	80	120	5.4	139.9	**12.4** *	27.1	179.7	**15.0**	37.8	195.7	**13.7**	46.1	205.2	**12.5**	53.1	210.7	**11.2**						120

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																							Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
125	80	130					9.6	147.0	**13.4**		28.0	179.4	**12.3**		38.2	193.6	**11.1**		46.2	201.8	**10.0**						130
125	80	134																					50.0	202.2	**8.4**		134
125	80	140									11.9	149.7	**11.0**		28.6	177.7	**10.0**		38.5	190.3	**8.9**		46.2	197.1	**7.9**		140
125	80	150													13.4	149.6	**8.9**		28.9	174.5	**8.0**		38.4	185.5	**7.1**		150
125	80	160																	14.0	147.1	**7.2**		28.8	169.7	**6.3**		160
125	80	170																					13.8	142.1	**5.7**		170
125	90	42	75.0	249.2	**22.7**	*																					42
125	90	50	71.2	246.6	**22.7**	*																					50
125	90	60	66.1	242.5	**22.7**	*																					60
125	90	63					70.0	244.8	**22.7**	*																	63
125	90	70	60.8	237.2	**22.7**	*	66.5	242.0	**22.7**	*																	70
125	90	80	55.2	230.6	**21.0**	*	61.3	236.8	**22.7**	*																	80
125	90	84									65.0	238.7	**21.9**														84
125	90	90	49.1	222.5	**19.7**	*	55.7	230.4	**20.6**	*	61.7	235.3	**19.9**														90
125	90	100	42.5	212.4	**18.7**	*	49.7	222.4	**18.9**		56.1	229.0	**17.3**														100
125	90	104													60.0	230.7	**15.0**										104
125	90	110	34.7	199.3	**17.5**	*	43.1	212.4	**16.6**		50.2	221.2	**15.2**		56.4	226.6	**13.8**										110
125	90	120	24.9	180.9	**15.0**	*	35.5	199.7	**14.8**		43.6	211.4	**13.5**		50.5	218.9	**12.2**										120
125	90	123																	55.0	221.1	**10.6**						123
125	90	130	5.1	140.2	**10.8**	*	25.9	182.0	**13.2**		36.1	198.9	**12.0**		44.0	209.2	**10.8**		50.7	215.4	**9.7**						130
125	90	140					9.1	147.7	**11.8**		26.7	181.7	**10.8**		36.5	196.9	**9.7**		44.2	205.8	**8.6**						140
125	90	141																					50.0	209.9	**7.5**		141
125	90	150									11.4	150.6	**9.7**		27.3	180.0	**8.7**		36.7	193.5	**7.7**		44.1	201.1	**6.8**		150
125	90	160													12.7	150.7	**7.8**		27.6	176.9	**6.9**		36.7	188.8	**6.0**		160
125	90	170																	13.3	148.2	**6.2**		27.5	172.1	**5.4**		170
125	90	180																					13.1	143.2	**4.8**		180
125	100	45	75.0	258.8	**22.7**	*																					45
125	100	50	72.7	257.2	**22.7**	*																					50
125	100	60	68.0	253.4	**22.7**	*																					60
125	100	67					70.0	254.2	**22.7**	*																	67
125	100	70	63.2	248.6	**21.3**	*	68.4	252.9	**22.7**	*																	70
125	100	80	58.2	242.8	**19.5**	*	63.6	248.2	**21.2**	*																	80
125	100	88									65.0	247.7	**20.3**														88
125	100	90	52.9	235.6	**18.2**	*	58.6	242.4	**19.2**	*	64.0	246.7	**19.6**														90

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																				Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees				
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
125	100	100	47.1	226.9	**17.1**	*	53.3	235.4	**17.8**	*	59.0	241.0	**17.0**														100
125	100	109													60.0	239.4	**13.7**										109
125	100	110	40.7	216.1	**16.4**	*	47.6	226.8	**16.4**		53.7	234.1	**14.9**		59.3	238.6	**13.5**										110
125	100	120	33.3	202.2	**15.7**	*	41.3	216.2	**14.5**		48.1	225.6	**13.2**		54.0	231.7	**11.9**										120
125	100	128																	55.0	229.3	**9.5**						128
125	100	130	23.9	183.0	**13.0**	*	34.0	202.7	**13.0**		41.8	215.2	**11.8**		48.4	223.3	**10.6**		54.2	228.2	**9.4**						130
125	100	140					24.8	184.1	**11.6**		34.6	202.0	**10.5**		42.2	213.0	**9.4**		48.5	219.9	**8.3**						140
125	100	147																					50.0	217.5	**6.7**		147
125	100	150					8.7	148.4	**10.5**		25.6	183.9	**9.4**		35.0	200.0	**8.4**		42.3	209.6	**7.4**		48.5	215.2	**6.5**		150
125	100	160									10.9	151.5	**8.5**		26.2	182.3	**7.6**		35.2	196.7	**6.6**		42.3	204.9	**5.7**		160
125	100	170													12.2	151.6	**6.8**		26.5	179.1	**5.9**		35.2	191.9	**5.1**		170
125	100	180																	12.8	149.2	**5.3**		26.4	174.3	**4.5**		180
125	100	190																					12.6	144.2	**4.0**		190
125	110	47	75.0	268.5	**22.7**	*																					47
125	110	50	73.9	267.7	**22.7**	*																					50
125	110	60	69.6	264.2	**22.2**	*																					60
125	110	70	65.3	259.9	**19.9**	*	70.0	263.6	**22.2**	*																	70
125	110	80	60.7	254.5	**18.2**	*	65.6	259.3	**19.9**	*																	80
125	110	90	55.9	248.1	**16.9**	*	61.1	254.1	**18.0**	*																	90
125	110	92									65.0	256.8	**18.7**														92
125	110	100	50.8	240.3	**15.7**	*	56.3	247.8	**16.6**	*	61.4	252.7	**16.8**														100
125	110	110	45.3	231.0	**14.9**	*	51.2	240.2	**15.5**	*	56.7	246.4	**14.7**														110
125	110	114													60.0	248.1	**12.6**										114
125	110	120	39.1	219.6	**14.3**	*	45.8	231.0	**14.3**		51.6	238.9	**12.9**		57.0	244.0	**11.6**										120
125	110	130	32.0	205.0	**13.5**	*	39.7	219.8	**12.7**		46.2	229.9	**11.5**		51.9	236.6	**10.3**										130
125	110	134																	55.0	237.5	**8.6**						134
125	110	140	23.0	184.9	**11.2**	*	32.7	205.6	**11.4**		40.2	218.8	**10.3**		46.5	227.6	**9.1**		52.1	233.1	**8.0**						140
125	110	150					23.9	186.1	**10.2**		33.3	204.9	**9.2**		40.5	216.7	**8.2**		46.7	224.2	**7.1**						150
125	110	154																					50.0	225.2	**5.9**		154
125	110	160					8.4	149.0	**9.2**		24.7	186.0	**8.3**		33.7	203.0	**7.3**		40.7	213.3	**6.4**		46.6	219.5	**5.4**		160
125	110	170									10.4	152.3	**7.4**		25.2	184.5	**6.6**		33.9	199.7	**5.7**		40.7	208.6	**4.8**		170
125	110	180													11.7	152.6	**5.9**		25.5	181.3	**5.1**		33.8	194.9	**4.3**		180
125	110	190																	12.3	150.2	**4.5**		25.4	176.5	**3.8**		190
125	110	200																					12.1	145.2	**3.3**		200

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																				Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees					
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)			
125	120	50	75.0	278.1	**22.7** *																		50
125	120	60	71.0	274.9	**20.9** *																		60
125	120	70	67.0	270.9	**18.7** *																		70
125	120	73				70.0	273.0	**20.1** *															73
125	120	80	62.8	266.0	**17.0** *	67.3	270.3	**18.7** *															80
125	120	90	58.4	260.1	**15.6** *	63.2	265.5	**16.9** *															90
125	120	96							65.0	265.9	**17.4**												96
125	120	100	53.8	253.2	**14.5** *	58.8	259.7	**15.4** *	63.5	264.0	**16.5**												100
125	120	110	49.0	244.9	**13.6** *	54.3	252.9	**14.3** *	59.2	258.3	**14.4**												110
125	120	119										60.0	256.7	**11.5**									119
125	120	120	43.7	235.0	**12.9** *	49.4	244.7	**13.4** *	54.6	251.6	**12.7**	59.4	255.9	**11.3**									120
125	120	130	37.8	223.0	**12.5** *	44.1	235.0	**12.5**	49.8	243.5	**11.2**	54.9	249.2	**10.0**									130
125	120	140	30.9	207.8	**11.6** *	38.3	223.2	**11.2**	44.5	233.9	**10.0**	50.0	241.2	**8.9**	55.0	245.7	**7.7**						140
125	120	150	22.2	186.8	**9.6** *	31.6	208.3	**10.0**	38.8	222.3	**8.9**	44.8	231.7	**7.9**	50.2	237.7	**6.9**						150
125	120	160				23.1	188.1	**9.0**	32.1	207.7	**8.0**	39.1	220.2	**7.0**	45.0	228.3	**6.1**	50.0	232.8	**5.1**			160
125	120	170				8.0	149.6	**7.9** *	23.8	188.1	**7.2**	32.5	205.8	**6.3**	39.3	216.8	**5.4**	44.9	223.6	**4.5**			170
125	120	180							10.1	153.1	**6.5**	24.3	186.6	**5.6**	32.7	202.5	**4.8**	39.2	212.1	**4.0**			180
125	120	190										11.3	153.5	**5.0**	24.6	183.5	**4.2**	32.6	197.8	**3.5**			190
125	120	200													11.8	151.2	**3.8**	24.5	178.7	**3.0**			200
125	120	210																11.6	146.1	**2.6**			210
125	130	53	75.0	287.8	**21.3** *																		53
125	130	60	72.3	285.5	**19.6** *																		60
125	130	70	68.5	281.8	**17.5** *																		70
125	130	77				70.0	282.4	**18.2** *															77
125	130	80	64.6	277.2	**15.8** *	68.8	281.2	**17.6** *															80
125	130	90	60.6	271.8	**14.5** *	65.0	276.7	**15.9** *															90
125	130	100	56.4	265.5	**13.4** *	61.0	271.4	**14.4** *															100
125	130	101							65.0	274.9	**15.7** *												101
125	130	110	52.0	258.0	**12.5** *	56.8	265.2	**13.2** *	61.3	270.0	**14.1**												110
125	130	120	47.3	249.2	**11.7** *	52.4	257.8	**12.3** *	57.1	263.8	**12.4**												120
125	130	124										60.0	265.4	**10.5**									124
125	130	130	42.2	238.8	**11.2** *	47.7	249.1	**11.5** *	52.7	256.5	**11.0**	57.3	261.4	**9.7**									130
125	130	140	36.5	226.2	**10.8** *	42.7	238.9	**10.9**	48.1	248.0	**9.7**	53.0	254.2	**8.6**									140
125	130	146													55.0	253.9	**6.9**						146
125	130	150	29.9	210.4	**9.7** *	37.0	226.5	**9.8**	43.1	237.9	**8.7**	48.4	245.7	**7.6**	53.1	250.7	**6.6**						150

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																				Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	
125	130	160	21.4	188.7	**8.2**	*	30.5	211.0	**8.8**		37.5	225.7	**7.8**		43.3	235.7	**6.8**		48.5	242.2	**5.8**						160
125	130	167																					50.0	240.5	**4.4**		167
125	130	170					22.3	190.0	**7.9**		31.1	210.5	**7.0**		37.8	223.6	**6.0**		43.5	232.2	**5.1**		48.4	237.5	**4.2**		170
125	130	180					7.8	150.2	**6.7**	*	23.0	190.1	**6.3**		31.4	208.6	**5.4**		38.0	220.2	**4.5**		43.4	227.5	**3.7**		180
125	130	190									9.7	153.8	**5.6**		23.5	188.6	**4.8**		31.6	205.3	**4.0**		37.9	215.5	**3.2**		190
125	130	200													10.9	154.4	**4.3**		23.8	185.5	**3.5**		31.6	200.6	**2.8**		200
125	130	210																	11.4	152.1	**3.1**		23.7	180.7	**2.4**		210
125	130	220																					11.2	147.0	**2.0**		220
125	140	55	75.0	297.5	**18.9**	*																					55
125	140	60	73.3	296.0	**18.2**	*																					60
125	140	70	69.8	292.5	**16.4**	*																					70
125	140	80	66.2	288.3	**14.7**	*	70.0	291.8	**16.3**	*																	80
125	140	90	62.5	283.3	**13.4**	*	66.5	287.8	**14.8**	*																	90
125	140	100	58.6	277.5	**12.3**	*	62.8	282.9	**13.4**	*																	100
125	140	105									65.0	284.0	**14.1**	*													105
125	140	110	54.6	270.6	**11.4**	*	59.0	277.1	**12.2**	*	63.1	281.4	**13.4**	*													110
125	140	120	50.3	262.7	**10.7**	*	54.9	270.4	**11.3**	*	59.3	275.7	**12.1**														120
125	140	129													60.0	274.0	**9.6**										129
125	140	130	45.8	253.5	**10.1**	*	50.7	262.5	**10.5**	*	55.3	269.0	**10.7**		59.5	273.2	**9.4**										130
125	140	140	40.9	242.5	**9.6**	*	46.2	253.4	**9.9**	*	51.0	261.3	**9.5**		55.5	266.6	**8.3**										140
125	140	150	35.4	229.4	**8.8**	*	41.3	242.6	**9.4**	*	46.6	252.3	**8.4**		51.3	258.9	**7.3**										150
125	140	151																	55.0	262.1	**6.2**						151
125	140	160	29.0	212.9	**7.6**	*	35.9	229.7	**8.6**		41.7	241.6	**7.5**		46.8	250.0	**6.5**		51.4	255.5	**5.5**						160
125	140	170	20.8	190.5	**6.5**	*	29.6	213.6	**7.7**		36.3	228.9	**6.7**		42.0	239.5	**5.8**		46.9	246.5	**4.8**						170
125	140	173																					50.0	248.2	**3.8**		173
125	140	180					21.6	191.9	**6.9**	*	30.1	213.1	**6.0**		36.6	226.9	**5.1**		42.1	236.1	**4.2**		46.9	241.9	**3.4**		180
125	140	190					7.5	150.8	**3.9**	*	22.3	192.0	**5.4**		30.5	211.3	**4.5**		36.8	223.5	**3.7**		42.1	231.4	**2.9**		190
125	140	200									9.4	154.6	**4.8**		22.8	190.6	**4.0**		30.6	208.0	**3.2**		36.7	218.8	**2.5**		200
125	140	210													10.6	155.2	**3.5**		23.0	187.5	**2.8**		30.6	203.3	**2.1**		210
125	140	220																	11.1	153.0	**2.4**						220
125	150	58	75.0	307.1	**16.1**	*																					58
125	150	60	74.3	306.5	**16.0**	*																					60
125	150	70	71.0	303.2	**15.2**	*																					70
125	150	80	67.6	299.2	**13.6**	*																					80

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
125	150	84					70.0	301.2	**14.6**	*																					84
125	150	90	64.1	294.6	**12.3**	*	67.9	298.7	**13.7**	*																					90
125	150	100	60.5	289.2	**11.3**	*	64.4	294.1	**12.4**	*																					100
125	150	109									65.0	293.0	**12.5**	*																	109
125	150	110	56.8	282.9	**10.4**	*	60.8	288.7	**11.2**	*	64.7	292.6	**12.4**	*																	110
125	150	120	52.9	275.6	**9.7**	*	57.1	282.5	**10.3**	*	61.1	287.3	**11.3**	*																	120
125	150	130	48.8	267.2	**9.0**	*	53.3	275.4	**9.5**	*	57.4	281.2	**10.3**	*																	130
125	150	134													60.0	282.7	**8.7**														134
125	150	140	44.4	257.5	**8.5**	*	49.2	267.1	**8.9**	*	53.6	274.1	**9.2**		57.6	278.7	**8.0**														140
125	150	150	39.7	246.1	**7.9**	*	44.8	257.5	**8.4**	*	49.5	265.9	**8.2**		53.8	271.7	**7.1**														150
125	150	157																	55.0	270.3	**5.4**										157
125	150	160	34.3	232.4	**6.7**	*	40.1	246.3	**7.9**	*	45.2	256.4	**7.3**		49.7	263.6	**6.2**		53.9	268.2	**5.2**										160
125	150	170	28.1	215.4	**4.6**	*	34.8	232.8	**7.4**	*	40.5	245.3	**6.5**		45.4	254.2	**5.5**		49.8	260.1	**4.6**										170
125	150	179																					50.0	255.8	**3.1**						179
125	150	180	20.2	192.2	**2.4**	*	28.7	216.1	**5.2**	*	35.2	232.1	**5.8**	*	40.7	243.2	**4.9**		45.5	250.7	**4.0**		49.8	255.4	**3.1**						180
125	150	190					21.0	193.7	**3.0**	*	29.2	215.7	**5.1**		35.6	230.0	**4.3**		40.9	239.8	**3.4**		45.5	246.0	**2.6**						190
125	150	200									21.6	193.8	**3.5**	*	29.6	213.9	**3.8**		35.7	226.7	**3.0**		40.8	235.1	**2.2**						200
125	150	210													22.1	192.5	**3.3**		29.7	210.7	**2.5**										210
125	150	220																	22.4	189.4	**2.2**										220
135	80	40	75.0	249.5	**22.7**	*																									40
135	80	50	69.4	245.9	**22.7**	*																									50
135	80	60	63.8	241.3	**22.7**	*																									60
135	80	61					70.0	245.4	**22.7**	*																					61
135	80	70	57.9	235.4	**22.7**	*	64.8	241.2	**22.7**	*																					70
135	80	80	51.5	228.0	**22.2**	*	58.9	235.6	**22.7**	*																					80
135	80	81									65.0	239.4	**22.5**																		81
135	80	90	44.4	218.5	**20.2**	*	52.6	228.4	**21.8**		59.9	234.6	**19.9**																		90
135	80	100	36.3	206.2	**17.8**	*	45.7	219.4	**19.1**		53.7	227.7	**17.3**																		100
135	80	101													60.0	231.7	**15.4**														101
135	80	110	26.1	188.8	**16.0**	*	37.9	207.7	**16.8**		46.9	219.0	**15.2**		54.6	225.8	**13.7**														110
135	80	120	5.4	149.9	**12.6**	*	28.1	191.4	**14.9**		39.2	207.8	**13.5**		47.9	217.4	**12.1**		55.0	222.3	**10.7**										120
135	80	130					12.3	162.2	**13.3**		29.9	192.5	**12.1**		40.4	206.6	**10.8**		48.7	214.4	**9.6**										130
135	80	139																					50.0	211.3	**7.5**						139
135	80	140									16.0	167.3	**10.8**		31.4	192.1	**9.7**		41.3	203.9	**8.5**		49.2	210.2	**7.4**						140
135	80	150													18.6	169.2	**8.7**		32.5	189.9	**7.6**		41.8	199.9	**6.6**						150

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
135	80	160																	20.4	168.6	**6.9**		33.2	186.2	**5.9**		160
135	80	170																					21.5	165.6	**5.3**		170
135	90	42	75.0	259.2	**22.7**	*																					42
135	90	50	71.2	256.6	**22.7**	*																					50
135	90	60	66.1	252.5	**22.7**	*																					60
135	90	64					70.0	254.8	**22.7**	*																	64
135	90	70	60.8	247.2	**22.2**	*	67.0	252.3	**22.7**	*																	70
135	90	80	55.2	240.6	**20.5**	*	61.7	247.2	**22.1**	*																	80
135	90	85									65.0	248.5	**21.0**														85
135	90	90	49.1	232.5	**19.3**	*	56.2	240.9	**20.3**	*	62.6	246.2	**19.6**														90
135	90	100	42.5	222.4	**18.4**	*	50.2	233.1	**18.8**		57.1	240.1	**17.1**														100
135	90	106													60.0	240.4	**14.1**										106
135	90	110	34.7	209.3	**17.3**	*	43.7	223.4	**16.5**		51.2	232.5	**15.0**		57.9	238.0	**13.4**										110
135	90	120	24.9	190.9	**15.0**	*	36.2	210.9	**14.7**		44.8	223.1	**13.3**		52.1	230.7	**11.8**										120
135	90	126																	55.0	230.5	**9.7**						126
135	90	130	5.1	150.2	**10.9**	*	26.9	193.8	**13.1**		37.5	211.2	**11.8**		45.7	221.6	**10.5**		52.7	227.6	**9.3**						130
135	90	140					11.7	163.1	**11.8**		28.6	195.0	**10.6**		38.6	210.0	**9.4**		46.5	218.7	**8.2**						140
135	90	145																					50.0	218.9	**6.7**		145
135	90	150									15.3	168.5	**9.5**		30.0	194.7	**8.4**		39.4	207.5	**7.4**		46.9	214.5	**6.3**		150
135	90	160													17.8	170.7	**7.6**		31.0	192.7	**6.6**		39.9	203.5	**5.6**		160
135	90	170																	19.5	170.2	**5.9**		31.7	189.0	**5.0**		170
135	90	180																					20.5	167.4	**4.4**		180
135	100	45	75.0	268.8	**22.7**	*																					45
135	100	50	72.7	267.2	**22.7**	*																					50
135	100	60	68.0	263.4	**22.7**	*																					60
135	100	67					70.0	264.2	**22.7**	*																	67
135	100	70	63.2	258.6	**20.8**	*	68.8	263.2	**22.7**	*																	70
135	100	80	58.2	252.8	**19.1**	*	64.1	258.6	**20.9**	*																	80
135	100	90	52.9	245.6	**17.8**	*	59.1	252.9	**19.0**	*	65.0	257.6	**19.4**														90
135	100	100	47.1	236.9	**16.8**	*	53.8	246.0	**17.6**	*	59.9	251.9	**16.8**														100
135	100	110	40.7	226.1	**16.0**	*	48.1	237.6	**16.3**		54.7	245.2	**14.7**														110
135	100	111													60.0	249.1	**12.9**										111
135	100	120	33.3	212.2	**15.0**	*	41.9	227.2	**14.4**		49.1	237.1	**13.0**		55.4	243.3	**11.5**										120
135	100	130	23.9	193.0	**12.9**	*	34.7	214.0	**12.9**		42.9	227.0	**11.5**		49.9	235.3	**10.2**										130

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
135	100	132																	55.0	238.7	**8.7**					132
135	100	140					25.8	196.0	**11.5**		35.9	214.4	**10.3**		43.8	225.6	**9.1**		50.5	232.3	**7.9**					140
135	100	150					11.2	164.0	**10.4**		27.4	197.4	**9.3**		37.0	213.3	**8.2**		44.5	222.8	**7.1**					150
135	100	152																					50.0	226.6	**5.9**	152
135	100	160									14.6	169.7	**8.3**		28.7	197.2	**7.3**		37.8	210.9	**6.3**		45.0	218.6	**5.3**	160
135	100	170													17.0	172.1	**6.6**		29.7	195.3	**5.6**		38.3	206.9	**4.7**	170
135	100	180																	18.7	171.8	**5.0**		30.4	191.6	**4.2**	180
135	100	190																					19.7	169.0	**3.7**	190
135	110	47	75.0	278.5	**22.7**	*																				47
135	110	50	73.9	277.7	**22.7**	*																				50
135	110	60	69.6	274.2	**21.6**	*																				60
135	110	70	65.3	269.9	**19.5**	*																				70
135	110	71					70.0	273.6	**21.6**	*																71
135	110	80	60.7	264.5	**17.8**	*	66.0	269.7	**19.7**	*																80
135	110	90	55.9	258.1	**16.5**	*	61.5	264.6	**17.8**	*																90
135	110	94									65.0	266.6	**18.0**													94
135	110	100	50.8	250.3	**15.4**	*	56.7	258.3	**16.3**	*	62.2	263.5	**16.5**													100
135	110	110	45.3	241.0	**14.6**	*	51.7	250.8	**15.2**	*	57.5	257.4	**14.4**													110
135	110	116													60.0	257.7	**11.8**									116
135	110	120	39.1	229.6	**14.0**	*	46.3	241.8	**14.2**		52.5	250.2	**12.7**		58.2	255.4	**11.3**									120
135	110	130	32.0	215.0	**13.1**	*	40.3	230.8	**12.6**		47.2	241.4	**11.3**		53.3	248.3	**10.0**									130
135	110	138																	55.0	246.9	**7.9**					138
135	110	140	23.0	194.9	**11.1**	*	33.4	216.9	**11.3**		41.3	230.8	**10.1**		48.0	239.7	**8.8**		53.8	245.1	**7.6**					140
135	110	150					24.8	198.1	**10.2**		34.6	217.4	**9.0**		42.2	229.4	**7.9**		48.6	236.8	**6.8**					150
135	110	158																					50.0	234.2	**5.1**	158
135	110	160					10.7	164.8	**9.2**		26.4	199.7	**8.1**		35.6	216.5	**7.0**		42.8	226.7	**6.0**		49.0	232.5	**5.0**	160
135	110	170									14.1	170.9	**7.3**		27.7	199.6	**6.3**		36.4	214.1	**5.3**		43.3	222.5	**4.4**	170
135	110	180													16.4	173.5	**5.7**		28.6	197.8	**4.8**		36.8	210.2	**3.9**	180
135	110	190																	18.0	173.3	**4.2**		29.2	194.2	**3.4**	190
135	110	200																					18.9	170.6	**3.0**	200
135	120	50	75.0	288.1	**22.7**	*																				50
135	120	60	71.0	284.9	**20.3**	*																				60
135	120	70	67.0	280.9	**18.2**	*																				70
135	120	74					70.0	283.0	**19.6**	*																74

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
135	120	80	62.8	276.0	**16.6**	*	67.7	280.7	**18.4**	*															80
135	120	90	58.4	270.1	**15.2**	*	63.5	275.9	**16.7**	*															90
135	120	98									65.0	275.7	**16.6**												98
135	120	100	53.8	263.2	**14.2**	*	59.2	270.3	**15.2**	*	64.2	274.8	**16.2**												100
135	120	110	49.0	254.9	**13.3**	*	54.7	263.5	**14.0**	*	59.9	269.3	**14.1**												110
135	120	120	43.7	245.0	**12.6**	*	49.8	255.5	**13.1**	*	55.4	262.7	**12.4**												120
135	120	121													60.0	266.4	**10.8**								121
135	120	130	37.8	233.0	**12.1**	*	44.6	245.9	**12.4**		50.6	254.9	**11.0**		56.1	260.7	**9.7**								130
135	120	140	30.9	217.8	**11.3**	*	38.8	234.3	**11.1**		45.5	245.6	**9.8**		51.3	253.1	**8.6**								140
135	120	143																	55.0	255.1	**7.0**				143
135	120	150	22.2	196.8	**9.6**	*	32.2	219.8	**9.9**		39.8	234.3	**8.8**		46.2	244.0	**7.6**		51.9	250.0	**6.5**				150
135	120	160					23.9	200.2	**9.0**		33.4	220.4	**7.9**		40.7	233.1	**6.8**		46.8	241.1	**5.7**				160
135	120	164																					50.0	241.9	**4.4**		164
135	120	170					10.3	165.6	**8.1**		25.4	201.9	**7.1**		34.3	219.6	**6.1**		41.3	230.4	**5.1**		47.2	236.9	**4.1**		170
135	120	180									13.5	172.0	**6.3**		26.7	201.9	**5.4**		35.1	217.2	**4.5**		41.7	226.3	**3.6**		180
135	120	190													15.8	174.8	**4.8**		27.6	200.2	**4.0**		35.5	213.3	**3.1**		190
135	120	200																	17.3	174.7	**3.5**		28.2	196.6	**2.7**		200
135	120	210																					18.2	172.2	**2.3**		210
135	130	53	75.0	297.8	**19.6**	*																			53
135	130	60	72.3	295.5	**19.0**	*																			60
135	130	70	68.5	291.8	**17.0**	*																			70
135	130	78					70.0	292.4	**17.6**	*															78
135	130	80	64.6	287.2	**15.4**	*	69.2	291.5	**17.2**	*															80
135	130	90	60.6	281.8	**14.1**	*	65.3	287.1	**15.6**	*															90
135	130	100	56.4	275.5	**13.0**	*	61.3	281.9	**14.1**	*															100
135	130	102									65.0	284.8	**15.4**	*											102
135	130	110	52.0	268.0	**12.1**	*	57.2	275.7	**13.0**	*	62.0	280.8	**13.9**												110
135	130	120	47.3	259.2	**11.4**	*	52.8	268.5	**12.0**	*	57.8	274.8	**12.2**												120
135	130	126													60.0	275.0	**9.8**								126
135	130	130	42.2	248.8	**10.9**	*	48.1	259.9	**11.3**	*	53.5	267.7	**10.8**		58.4	272.7	**9.4**								130
135	130	140	36.5	236.2	**10.4**	*	43.1	249.8	**10.7**	*	48.9	259.4	**9.5**		54.1	265.8	**8.3**								140
135	130	149																	55.0	263.3	**6.3**				149
135	130	150	29.9	220.4	**9.4**	*	37.6	237.7	**9.7**		44.0	249.6	**8.5**		49.6	257.7	**7.3**		54.6	262.6	**6.2**				150
135	130	160	21.4	198.7	**8.2**	*	31.1	222.5	**8.7**		38.5	237.8	**7.6**		44.7	248.1	**6.5**		50.1	254.7	**5.4**				160
135	130	170					23.1	202.2	**7.9**		32.3	223.2	**6.8**		39.3	236.6	**5.8**		45.2	245.3	**4.8**				170

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
135	130	171																					50.0	249.6	**3.7**		171
135	130	180					10.0	166.4	**6.9**	*	24.6	204.0	**6.1**		33.2	222.5	**5.1**		39.9	234.0	**4.2**		45.6	241.0	**3.3**		180
135	130	190									13.1	173.1	**5.5**		25.8	204.1	**4.6**		33.9	220.2	**3.7**		40.3	230.0	**2.8**		190
135	130	200													15.2	176.1	**4.1**		26.7	202.5	**3.2**		34.4	216.4	**2.4**		200
135	130	210																	16.7	176.2	**2.8**		27.3	199.0	**2.0**		210
135	140	55	75.0	307.5	**16.9**	*																					55
135	140	60	73.3	306.0	**16.6**	*																					60
135	140	70	69.8	302.5	**15.8**	*																					70
135	140	80	66.2	298.3	**14.3**	*																					80
135	140	81					70.0	301.8	**15.8**	*																	81
135	140	90	62.5	293.3	**13.0**	*	66.8	298.1	**14.5**	*																	90
135	140	100	58.6	287.5	**12.0**	*	63.1	293.3	**13.1**	*																	100
135	140	107									65.0	293.8	**13.7**	*													107
135	140	110	54.6	280.6	**11.1**	*	59.3	287.6	**11.9**	*	63.7	292.1	**13.3**	*													110
135	140	120	50.3	272.7	**10.3**	*	55.3	280.9	**11.0**	*	59.9	286.6	**11.9**														120
135	140	130	45.8	263.5	**9.8**	*	51.1	273.2	**10.3**	*	56.0	280.1	**10.5**														130
135	140	131													60.0	283.7	**9.0**										131
135	140	140	40.9	252.5	**9.2**	*	46.6	264.2	**9.6**	*	51.8	272.6	**9.3**		56.5	278.1	**8.0**										140
135	140	150	35.4	239.4	**8.4**	*	41.8	253.6	**9.1**	*	47.4	263.8	**8.3**		52.4	270.7	**7.1**										150
135	140	155																	55.0	271.5	**5.5**						155
135	140	160	29.0	222.9	**7.3**	*	36.4	240.9	**8.5**		42.6	253.5	**7.4**		48.0	262.1	**6.2**		52.9	267.6	**5.1**						160
135	140	170	20.8	200.5	**6.3**	*	30.2	225.2	**7.6**		37.3	241.2	**6.6**		43.3	252.0	**5.5**		48.5	259.2	**4.5**						170
135	140	177																					50.0	257.2	**3.1**		177
135	140	180					22.4	204.1	**6.7**	*	31.3	226.0	**5.9**		38.1	240.0	**4.9**		43.8	249.3	**3.9**		48.8	254.9	**3.0**		180
135	140	190					9.7	167.2	**4.3**	*	23.8	206.1	**5.2**		32.2	225.3	**4.3**		38.7	237.5	**3.4**		44.2	245.1	**2.5**		190
135	140	200									12.7	174.1	**4.7**		25.0	206.3	**3.8**		32.9	223.2	**2.9**		39.1	233.5	**2.1**		200
135	140	210													14.8	177.3	**3.3**		25.9	204.7	**2.5**						210
135	140	220																	16.2	177.5	**2.2**						220
135	150	58	75.0	317.1	**14.3**	*																					58
135	150	60	74.3	316.5	**14.2**	*																					60
135	150	70	71.0	313.2	**13.6**	*																					70
135	150	80	67.6	309.2	**12.9**	*																					80
135	150	85					70.0	311.2	**14.2**	*																	85
135	150	90	64.1	304.6	**11.9**	*	68.2	309.0	**13.4**	*																	90

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees							
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)					
135	150	100	60.5	299.2	**10.9** *	64.7	304.5	**12.1** *																	100
135	150	110	56.8	292.9	**10.1** *	61.2	299.2	**11.0** *																	110
135	150	111							65.0	302.9	**12.2** *														111
135	150	120	52.9	285.6	**9.3** *	57.5	293.1	**10.1** *	61.7	298.1	**11.2** *														120
135	150	130	48.8	277.2	**8.7** *	53.6	286.0	**9.3** *	58.1	292.1	**10.2** *														130
135	150	136										60.0	292.4	**8.1**											136
135	150	140	44.4	267.5	**7.9** *	49.6	277.8	**8.7** *	54.3	285.2	**9.0**	58.6	290.0	**7.7**											140
135	150	150	39.7	256.1	**7.2** *	45.2	268.4	**8.1** *	50.2	277.2	**8.0**	54.8	283.3	**6.8**											150
135	150	160	34.3	242.4	**6.4** *	40.5	257.3	**7.7** *	45.9	268.0	**7.1**	50.8	275.4	**6.0**											160
135	150	161													55.0	279.7	**4.8**								161
135	150	170	28.1	225.4	**4.5** *	35.3	244.1	**7.2** *	41.3	257.2	**6.3**	46.6	266.4	**5.3**	51.3	272.4	**4.2**								170
135	150	180	20.2	202.2	**2.4** *	29.3	227.7	**5.4** *	36.2	244.4	**5.6**	42.0	255.8	**4.6**	47.0	263.5	**3.6**								180
135	150	190				21.8	206.0	**3.2** *	30.3	228.7	**5.0**	37.0	243.3	**4.1**	42.5	253.1	**3.1**								190
135	150	200							23.1	208.1	**3.9** *	31.2	228.1	**3.5**	37.5	240.9	**2.7**								200
135	150	210										24.3	208.4	**3.1**	31.9	226.0	**2.3**								210
135	150	220										14.3	178.5	**2.4** *											220
145	80	40	75.0	259.5	**22.7** *																				40
145	80	50	69.4	255.9	**22.7** *																				50
145	80	60	63.8	251.3	**22.7** *																				60
145	80	61				70.0	255.3	**22.7** *																	61
145	80	70	57.9	245.4	**22.7** *	65.3	251.6	**22.7** *																	70
145	80	80	51.5	238.0	**21.7** *	59.4	246.1	**22.7** *																	80
145	80	83							65.0	249.3	**21.8**														83
145	80	90	44.4	228.5	**20.1** *	53.2	239.1	**21.5** *	60.9	245.5	**19.6**														90
145	80	100	36.3	216.2	**17.8** *	46.4	230.2	**18.9**	54.8	238.9	**17.1**														100
145	80	104										60.0	241.4	**14.4**											104
145	80	110	26.1	198.8	**16.0** *	38.6	218.8	**16.7**	48.1	230.5	**15.0**	56.2	237.3	**13.3**											110
145	80	120	5.4	159.9	**12.6** *	29.1	203.1	**14.8**	40.7	219.8	**13.3**	49.7	229.4	**11.8**											120
145	80	124													55.0	231.7	**9.8**								124
145	80	130				14.4	176.2	**13.2**	31.7	205.5	**11.9**	42.4	219.3	**10.5**	51.0	226.9	**9.1**								130
145	80	140							19.2	183.1	**10.6**	33.9	206.0	**9.4**	43.9	217.2	**8.1**								140
145	80	143																50.0	220.3	**6.7**					143
145	80	150										22.6	186.3	**8.4**	35.7	204.7	**7.3**	45.0	213.6	**6.1**					150
145	80	160													25.2	186.7	**6.5**	37.0	201.6	**5.5**					160
145	80	170																27.0	184.7	**4.9**					170

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																					Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	
145	80	180																					9.3	151.6	**4.3**	180
145	90	42	75.0	269.2	**22.7**	*																				42
145	90	50	71.2	266.6	**22.7**	*																				50
145	90	60	66.1	262.5	**22.7**	*																				60
145	90	65					70.0	264.7	**22.7**	*																65
145	90	70	60.8	257.2	**21.7**	*	67.4	262.7	**22.7**	*																70
145	90	80	55.2	250.6	**20.1**	*	62.2	257.7	**21.8**	*																80
145	90	87									65.0	258.4	**20.2**													87
145	90	90	49.1	242.5	**18.8**	*	56.7	251.5	**20.0**	*	63.5	256.9	**19.3**													90
145	90	100	42.5	232.4	**17.4**	*	50.8	243.8	**18.7**		58.1	251.1	**16.8**													100
145	90	109													60.0	250.1	**13.2**									109
145	90	110	34.7	219.3	**16.2**	*	44.3	234.3	**16.4**		52.3	243.8	**14.7**		59.3	249.3	**13.0**									110
145	90	120	24.9	200.9	**15.0**	*	36.9	222.1	**14.6**		46.0	234.8	**13.0**		53.6	242.4	**11.5**									120
145	90	130	5.1	160.2	**11.0**	*	27.8	205.5	**13.0**		38.8	223.3	**11.6**		47.4	233.8	**10.2**		55.0	239.9	**8.9**					130
145	90	140					13.7	177.3	**11.7**		30.3	208.1	**10.4**		40.5	223.0	**9.1**		48.7	231.4	**7.8**					140
145	90	149																					50.0	228.0	**5.9**	149
145	90	150									18.3	184.6	**9.3**		32.4	208.8	**8.2**		41.9	221.0	**7.0**		49.6	227.5	**5.8**	150
145	90	160													21.6	188.1	**7.3**		34.1	207.7	**6.2**		43.0	217.5	**5.2**	160
145	90	170																	24.0	188.7	**5.6**		35.4	204.7	**4.6**	170
145	90	180																					25.8	186.9	**4.1**	180
145	90	190																					8.8	152.3	**3.6**	190
145	100	45	75.0	278.8	**22.7**	*																				45
145	100	50	72.7	277.2	**22.7**	*																				50
145	100	60	68.0	273.4	**22.7**	*																				60
145	100	68					70.0	274.1	**22.7**	*																68
145	100	70	63.2	268.6	**20.3**	*	69.2	273.5	**22.7**	*																70
145	100	80	58.2	262.8	**18.6**	*	64.5	269.0	**20.5**	*																80
145	100	90	52.9	255.6	**17.3**	*	59.5	263.4	**18.6**	*																90
145	100	91									65.0	267.4	**18.6**													91
145	100	100	47.1	246.9	**16.3**	*	54.3	256.6	**17.3**	*	60.8	262.8	**16.5**													100
145	100	110	40.7	236.1	**15.1**	*	48.6	248.3	**16.2**		55.6	256.3	**14.4**													110
145	100	114													60.0	258.7	**12.1**									114
145	100	120	33.3	222.2	**14.1**	*	42.5	238.1	**14.3**		50.1	248.4	**12.8**		56.8	254.7	**11.2**									120
145	100	130	23.9	203.0	**12.9**	*	35.4	225.2	**12.8**		44.1	238.8	**11.3**		51.4	247.2	**9.9**									130

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
145	100	135																	55.0	248.1	**8.0**					135
145	100	140					26.7	207.8	**11.5**		37.2	226.6	**10.1**		45.5	238.0	**8.8**		52.5	244.5	**7.5**					140
145	100	150					13.2	178.4	**10.3**		29.1	210.6	**9.1**		38.9	226.5	**7.9**		46.7	235.7	**6.7**					150
145	100	156																					50.0	235.6	**5.1**	156
145	100	160									17.5	186.1	**8.2**		31.1	211.5	**7.1**		40.2	224.7	**5.9**		47.6	231.9	**4.8**	160
145	100	170													20.7	189.9	**6.3**		32.7	210.6	**5.3**		41.2	221.2	**4.3**	170
145	100	180																	23.1	190.7	**4.7**		33.9	207.7	**3.8**	180
145	100	190																					24.8	189.1	**3.3**	190
145	100	200																					8.5	152.9	**2.9**	200
145	110	47	75.0	288.5	**22.7**	*																				47
145	110	50	73.9	287.7	**22.7**	*																				50
145	110	60	69.6	284.2	**21.0**	*																				60
145	110	70	65.3	279.9	**18.9**	*																				70
145	110	72					70.0	283.5	**20.8**	*																72
145	110	80	60.7	274.5	**17.3**	*	66.4	280.1	**19.3**	*																80
145	110	90	55.9	268.1	**16.0**	*	61.9	275.0	**17.5**	*																90
145	110	96									65.0	276.5	**17.2**													96
145	110	100	50.8	260.3	**15.0**	*	57.2	268.9	**16.0**	*	63.0	274.3	**16.2**													100
145	110	110	45.3	251.0	**14.1**	*	52.2	261.5	**14.9**	*	58.4	268.4	**14.2**													110
145	110	119													60.0	267.4	**11.1**									119
145	110	120	39.1	239.6	**13.1**	*	46.8	252.6	**14.0**	*	53.4	261.4	**12.5**		59.4	266.6	**10.9**									120
145	110	130	32.0	225.0	**12.2**	*	40.8	241.8	**12.5**		48.1	252.9	**11.1**		54.6	259.9	**9.6**									130
145	110	140	23.0	204.9	**11.1**	*	34.0	228.2	**11.2**		42.4	242.6	**9.9**		49.4	251.8	**8.5**									140
145	110	141																	55.0	256.3	**7.1**					141
145	110	150					25.6	210.0	**10.1**		35.8	229.8	**8.8**		43.7	241.9	**7.6**		50.4	249.2	**6.4**					150
145	110	160					12.6	179.4	**9.1**		28.0	213.1	**7.9**		37.4	229.8	**6.8**		44.9	239.8	**5.6**					160
145	110	162																					50.0	243.3	**4.4**	162
145	110	170									16.9	187.5	**7.1**		29.9	214.2	**6.1**		38.7	228.1	**5.0**		45.7	236.1	**4.0**	170
145	110	180													19.9	191.5	**5.4**		31.5	213.3	**4.4**		39.7	224.8	**3.5**	180
145	110	190																	22.2	192.6	**3.9**		32.7	210.6	**3.0**	190
145	110	200																					23.8	191.1	**2.6**	200
145	110	210																					8.1	153.5	**2.2**	210
145	120	50	75.0	298.1	**20.2**	*																				50
145	120	60	71.0	294.9	**19.3**	*																				60

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																				Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees					
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)			
145	120	70	67.0	290.9	**17.7** *																		70
145	120	75				70.0	292.9	**18.7** *															75
145	120	80	62.8	286.0	**16.1** *	68.1	291.0	**18.0** *															80
145	120	90	58.4	280.1	**14.8** *	63.9	286.3	**16.3** *															90
145	120	100	53.8	273.2	**13.8** *	59.6	280.8	**14.9** *	65.0	285.5	**16.0**												100
145	120	110	49.0	264.9	**12.9** *	55.1	274.1	**13.8** *	60.7	280.1	**13.9**												110
145	120	120	43.7	255.0	**12.1** *	50.3	266.2	**12.8** *	56.2	273.8	**12.2**												120
145	120	124										60.0	276.0	**10.1**									124
145	120	130	37.8	243.0	**11.3** *	45.1	256.8	**12.1** *	51.5	266.2	**10.8**	57.2	272.1	**9.3**									130
145	120	140	30.9	227.8	**10.4** *	39.4	245.4	**11.0**	46.4	257.2	**9.6**	52.6	264.8	**8.2**									140
145	120	147													55.0	264.5	**6.3**						147
145	120	150	22.2	206.8	**9.6** *	32.8	231.1	**9.9**	40.9	246.3	**8.6**	47.6	256.2	**7.3**	53.5	262.1	**6.1**						150
145	120	160				24.7	212.2	**8.9**	34.6	232.9	**7.7**	42.2	245.8	**6.5**	48.6	253.7	**5.4**						160
145	120	169																50.0	251.0	**3.7**			169
145	120	170				12.2	180.4	**8.0**	27.0	215.4	**6.9**	36.1	233.0	**5.8**	43.3	243.7	**4.7**	49.4	249.8	**3.7**			170
145	120	180							16.3	188.9	**6.2**	28.8	216.7	**5.2**	37.3	231.5	**4.2**	44.1	240.1	**3.2**			180
145	120	190										19.2	193.2	**4.6**	30.4	216.0	**3.6**	38.3	228.2	**2.7**			190
145	120	200													21.4	194.4	**3.2**	31.5	213.4	**2.3**			200
145	120	210																23.0	193.1	**2.0**			210
145	130	53	75.0	307.8	**17.4** *																		53
145	130	60	72.3	305.5	**16.9** *																		60
145	130	70	68.5	301.8	**16.1** *																		70
145	130	79				70.0	302.3	**16.9** *															79
145	130	80	64.6	297.2	**14.9** *	69.5	301.8	**16.7** *															80
145	130	90	60.6	291.8	**13.7** *	65.6	297.5	**15.2** *															90
145	130	100	56.4	285.5	**12.6** *	61.7	292.3	**13.8** *															100
145	130	104							65.0	294.6	**14.8**												104
145	130	110	52.0	278.0	**11.8** *	57.5	286.2	**12.7** *	62.7	291.6	**13.6**												110
145	130	120	47.3	269.2	**11.0** *	53.2	279.1	**11.8** *	58.6	285.8	**11.9**												120
145	130	129										60.0	284.7	**9.2**									129
145	130	130	42.2	258.8	**10.0** *	48.6	270.7	**11.0** *	54.3	278.9	**10.5**	59.5	284.0	**9.0**									130
145	130	140	36.5	246.2	**9.2** *	43.6	260.7	**10.4** *	49.7	270.8	**9.3**	55.3	277.3	**8.0**									140
145	130	150	29.9	230.4	**8.4** *	38.1	248.8	**9.6**	44.9	261.3	**8.3**	50.8	269.6	**7.0**									150
145	130	152													55.0	272.7	**5.6**						152
145	130	160	21.4	208.7	**7.9** *	31.7	233.9	**8.6**	39.5	249.9	**7.4**	46.0	260.4	**6.2**	51.7	266.9	**5.1**						160

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
145	130	170					23.9	214.2	**7.8**		33.4	235.9	**6.6**		40.8	249.5	**5.5**		46.9	258.0	**4.4**										170
145	130	175																					50.0	258.6	**3.1**						175
145	130	180					11.8	181.4	**7.0**		26.1	217.7	**6.0**		34.9	236.1	**4.9**		41.8	247.5	**3.9**		47.7	254.2	**2.9**						180
145	130	190									15.7	190.2	**5.3**		27.9	219.1	**4.3**		36.1	234.7	**3.4**		42.6	244.0	**2.4**						190
145	130	200													18.6	194.7	**3.8**		29.4	218.6	**2.9**		37.0	231.6	**2.0**						200
145	130	210																	20.7	196.2	**2.5**										210
145	140	55	75.0	317.5	**14.8**	*																									55
145	140	60	73.3	316.0	**14.6**	*																									60
145	140	70	69.8	312.5	**13.9**	*																									70
145	140	80	66.2	308.3	**13.1**	*																									80
145	140	82					70.0	311.7	**15.1**	*																					82
145	140	90	62.5	303.3	**12.3**	*	67.1	308.5	**14.1**	*																					90
145	140	100	58.6	297.5	**11.4**	*	63.5	303.7	**12.8**	*																					100
145	140	108									65.0	303.7	**13.3**	*																	108
145	140	110	54.6	290.6	**10.5**	*	59.6	298.1	**11.6**	*	64.4	302.9	**13.1**	*																	110
145	140	120	50.3	282.7	**9.6**	*	55.7	291.5	**10.8**	*	60.6	297.5	**11.7**																		120
145	140	130	45.8	273.5	**8.7**	*	51.5	283.9	**10.0**	*	56.7	291.1	**10.3**																		130
145	140	134													60.0	293.4	**8.3**														134
145	140	140	40.9	262.5	**7.9**	*	47.0	275.0	**9.4**	*	52.5	283.8	**9.1**		57.6	289.5	**7.7**														140
145	140	150	35.4	249.4	**7.2**	*	42.2	264.6	**8.9**	*	48.2	275.3	**8.1**		53.5	282.4	**6.8**														150
145	140	158																	55.0	280.9	**4.9**										158
145	140	160	29.0	232.9	**6.7**	*	36.9	252.1	**8.3**	*	43.4	265.2	**7.2**		49.2	274.1	**6.0**		54.3	279.6	**4.8**										160
145	140	170	20.8	210.5	**6.0**	*	30.8	236.6	**7.5**		38.3	253.3	**6.4**		44.5	264.5	**5.3**		50.0	271.6	**4.1**										170
145	140	180					23.2	216.2	**6.4**	*	32.4	238.7	**5.7**		39.5	253.0	**4.6**		45.5	262.2	**3.6**										180
145	140	190					11.4	182.3	**4.6**	*	25.3	219.9	**5.1**		33.8	239.1	**4.1**		40.5	251.2	**3.1**										190
145	140	200									15.2	191.5	**4.5**		27.0	221.5	**3.6**		34.9	237.8	**2.6**										200
145	140	210													18.0	196.3	**3.1**		28.4	221.1	**2.2**										210
145	150	58	75.0	327.1	**12.5**	*																									58
145	150	60	74.3	326.5	**12.4**	*																									60
145	150	70	71.0	323.2	**11.9**	*																									70
145	150	80	67.6	319.2	**11.3**	*																									80
145	150	85					70.0	321.1	**13.4**	*																					85
145	150	90	64.1	314.6	**10.5**	*	68.5	319.3	**13.0**	*																					90
145	150	100	60.5	309.2	**9.8**	*	65.0	314.9	**11.8**	*																					100

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																				Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees					
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)			
145	150	110	56.8	302.9	**9.0** *	61.5	309.7	**10.7** *															110
145	150	113							65.0	312.7	**11.7** *												113
145	150	120	52.9	295.6	**8.2** *	57.8	303.6	**9.8** *	62.4	308.9	**11.0** *												120
145	150	130	48.8	287.2	**7.5** *	54.0	296.6	**9.0** *	58.7	303.1	**10.0**												130
145	150	139										60.0	302.0	**7.5**									139
145	150	140	44.4	277.5	**6.8** *	49.9	288.6	**8.4** *	54.9	296.3	**8.8**	59.6	301.3	**7.4**									140
145	150	150	39.7	266.1	**6.1** *	45.6	279.2	**7.9** *	50.9	288.6	**7.8**	55.8	294.8	**6.5**									150
145	150	160	34.3	252.4	**5.5** *	41.0	268.3	**7.5** *	46.7	279.6	**6.9**	51.9	287.2	**5.7**									160
145	150	164													55.0	289.1	**4.2**						164
145	150	170	28.1	235.4	**4.5** *	35.8	255.3	**6.9** *	42.2	269.1	**6.1**	47.7	278.5	**5.0**	52.6	284.5	**3.9**						170
145	150	180	20.2	212.2	**2.4** *	29.9	239.3	**5.6** *	37.1	256.6	**5.5**	43.2	268.4	**4.4**	48.5	276.1	**3.3**						180
145	150	190				22.5	218.2	**3.3** *	31.4	241.5	**4.8**	38.3	256.5	**3.8**	44.1	266.2	**2.8**						190
145	150	200							24.5	222.0	**4.3**	32.8	242.0	**3.3**	39.3	254.7	**2.4**						200
145	150	210							14.8	192.7	**2.1** *	26.2	223.8	**2.9**	33.9	240.8	**2.0**						210
145	150	220										17.5	197.7	**2.5**									220
155	80	40	75.0	269.5	**22.7** *																		40
155	80	50	69.4	265.9	**22.7** *																		50
155	80	60	63.8	261.3	**22.7** *																		60
155	80	62				70.0	265.3	**22.7** *															62
155	80	70	57.9	255.4	**22.1** *	65.8	262.0	**22.7** *															70
155	80	80	51.5	248.0	**20.4** *	60.0	256.6	**22.1** *															80
155	80	85							65.0	259.1	**20.9**												85
155	80	90	44.4	238.5	**18.8** *	53.8	249.7	**20.4** *	61.9	256.3	**19.3**												90
155	80	100	36.3	226.2	**17.5** *	47.0	241.1	**18.8**	55.9	250.0	**16.8**												100
155	80	106										60.0	251.1	**13.5**									106
155	80	110	26.1	208.8	**16.0** *	39.3	229.9	**16.6**	49.3	242.0	**14.7**	57.8	248.8	**12.9**									110
155	80	120	5.4	169.9	**12.7** *	30.0	214.7	**14.7**	42.0	231.8	**13.1**	51.4	241.3	**11.4**									120
155	80	127													55.0	241.1	**9.0**						127
155	80	130				16.2	189.7	**13.2**	33.4	218.2	**11.7**	44.4	231.8	**10.2**	53.3	239.0	**8.7**						130
155	80	134																					134
155	80	140							21.9	198.0	**10.4**	36.3	219.5	**9.1**	46.4	230.2	**7.7**						140
155	80	147																50.0	229.4	**5.8**			147
155	80	150										26.0	202.0	**8.1**	38.7	218.8	**6.9**	48.1	226.9	**5.6**			150
155	80	160										5.0	162.4	**7.3**	29.2	203.1	**6.2**	40.6	216.1	**5.0**			160
155	80	170													14.6	176.5	**5.5**	31.6	201.7	**4.4**			170

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																					Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	
155	80	180																					19.0	179.3	**3.9**		180
155	90	42	75.0	279.2	**22.7**	*																					42
155	90	50	71.2	276.6	**22.7**	*																					50
155	90	60	66.1	272.5	**22.7**	*																					60
155	90	66					70.0	274.7	**22.7**	*																	66
155	90	70	60.8	267.2	**20.7**	*	67.9	273.0	**22.7**	*																	70
155	90	80	55.2	260.6	**19.1**	*	62.7	268.1	**20.8**	*																	80
155	90	89									65.0	268.2	**19.3**														89
155	90	90	49.1	252.5	**17.6**	*	57.2	262.1	**19.1**	*	64.4	267.7	**19.0**														90
155	90	100	42.5	242.4	**16.3**	*	51.3	254.5	**17.7**	*	59.1	262.0	**16.5**														100
155	90	110	34.7	229.3	**15.2**	*	44.9	245.2	**16.3**		53.3	255.0	**14.5**														110
155	90	111													60.0	259.7	**12.4**										111
155	90	120	24.9	210.9	**14.2**	*	37.6	233.2	**14.5**		47.1	246.3	**12.8**		55.1	254.0	**11.1**										120
155	90	130	5.1	170.2	**11.1**	*	28.7	217.2	**12.9**		40.1	235.4	**11.4**		49.1	245.9	**9.9**										130
155	90	133																	55.0	249.3	**8.0**						133
155	90	140					15.5	191.0	**11.6**		31.9	221.0	**10.2**		42.4	235.7	**8.8**		50.8	243.8	**7.4**						140
155	90	150									20.9	199.7	**9.2**		34.7	222.6	**7.9**		44.3	234.2	**6.6**						150
155	90	154																					50.0	237.0	**5.1**		154
155	90	160													24.8	204.2	**7.0**		36.9	222.1	**5.9**		45.9	231.1	**4.7**		160
155	90	170																	27.9	205.6	**5.2**		38.8	219.6	**4.1**		170
155	90	180																	13.9	177.6	**4.6**		30.2	204.4	**3.6**		180
155	90	190																					18.2	180.8	**3.2**		190
155	100	45	75.0	288.8	**22.7**	*																					45
155	100	50	72.7	287.2	**22.7**	*																					50
155	100	60	68.0	283.4	**21.1**	*																					60
155	100	69					70.0	284.1	**21.2**	*																	69
155	100	70	63.2	278.6	**19.4**	*	69.7	283.8	**21.1**	*																	70
155	100	80	58.2	272.8	**17.8**	*	64.9	279.4	**19.4**	*																	80
155	100	90	52.9	265.6	**16.4**	*	60.0	273.9	**17.9**	*																	90
155	100	93									65.0	277.3	**17.9**														93
155	100	100	47.1	256.9	**15.2**	*	54.8	267.2	**16.5**	*	61.7	273.7	**16.2**														100
155	100	110	40.7	246.1	**14.1**	*	49.2	259.1	**15.3**	*	56.5	267.4	**14.2**														110
155	100	116													60.0	268.4	**11.3**										116
155	100	120	33.3	232.2	**13.2**	*	43.0	249.1	**14.2**		51.1	259.8	**12.5**		58.2	266.1	**10.8**										120

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
155	100	130	23.9	213.0	**12.4**	*	36.0	236.4	**12.7**		45.1	250.5	**11.1**		52.8	258.9	**9.6**														130
155	100	139																	55.0	257.5	**7.2**										139
155	100	140					27.5	219.6	**11.4**		38.5	238.8	**9.9**		47.1	250.2	**8.5**		54.3	256.6	**7.1**										140
155	100	150					14.9	192.2	**10.2**		30.6	223.7	**8.9**		40.7	239.4	**7.6**		48.7	248.3	**6.3**										150
155	100	160									20.0	201.4	**8.0**		33.2	225.5	**6.8**		42.5	238.1	**5.6**		50.0	244.7	**4.4**						160
155	100	170													23.8	206.2	**6.1**		35.4	225.2	**4.9**		44.0	235.1	**3.8**						170
155	100	180																	26.7	207.9	**4.4**		37.2	222.9	**3.3**						180
155	100	190																	13.3	178.7	**3.9**		29.0	206.9	**2.9**						190
155	100	200																					17.4	182.2	**2.5**						200
155	110	47	75.0	298.5	**20.6**	*																									47
155	110	50	73.9	297.7	**20.4**	*																									50
155	110	60	69.6	294.2	**19.4**	*																									60
155	110	70	65.3	289.9	**18.0**	*																									70
155	110	73					70.0	293.5	**19.2**	*																					73
155	110	80	60.7	284.5	**16.6**	*	66.8	290.4	**18.1**	*																					80
155	110	90	55.9	278.1	**15.3**	*	62.3	285.5	**16.6**	*																					90
155	110	97									65.0	286.3	**16.5**																		97
155	110	100	50.8	270.3	**14.1**	*	57.6	279.4	**15.4**	*	63.8	285.0	**15.9**																		100
155	110	110	45.3	261.0	**13.1**	*	52.6	272.2	**14.2**	*	59.2	279.4	**13.9**																		110
155	110	120	39.1	249.6	**12.2**	*	47.3	263.4	**13.2**	*	54.3	272.5	**12.2**																		120
155	110	121													60.0	277.0	**10.3**														121
155	110	130	32.0	235.0	**11.4**	*	41.4	252.8	**12.3**	*	49.1	264.3	**10.8**		55.9	271.4	**9.3**														130
155	110	140	23.0	214.9	**10.6**	*	34.7	239.5	**11.1**		43.4	254.4	**9.7**		50.8	263.7	**8.2**														140
155	110	144																	55.0	265.7	**6.4**										144
155	110	150					26.5	221.9	**10.0**		37.0	242.1	**8.6**		45.2	254.3	**7.3**		52.2	261.5	**6.0**										150
155	110	160					14.3	193.3	**9.0**		29.5	226.2	**7.8**		39.1	242.9	**6.5**		46.8	252.6	**5.3**										160
155	110	166																					50.0	252.4	**3.7**						166
155	110	170									19.3	203.0	**7.0**		32.0	228.3	**5.8**		40.9	241.8	**4.6**		48.1	249.2	**3.5**						170
155	110	180													22.9	208.2	**5.2**		34.1	228.3	**4.1**		42.3	238.9	**3.0**						180
155	110	190																	25.7	210.1	**3.6**		35.8	226.1	**2.6**						190
155	110	200																	12.8	179.7	**3.2**		27.9	209.3	**2.2**						200
155	120	50	75.0	308.1	**17.8**	*																									50
155	120	60	71.0	304.9	**17.1**	*																									60
155	120	70	67.0	300.9	**16.1**	*																									70

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees							
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)					
155	120	76				70.0	302.9	**17.3** *																	76
155	120	80	62.8	296.0	**15.1** *	68.4	301.3	**16.7** *																	80
155	120	90	58.4	290.1	**14.0** *	64.3	296.8	**15.4** *																	90
155	120	100	53.8	283.2	**13.0** *	60.0	291.2	**14.3** *																	100
155	120	102							65.0	295.4	**15.3**														102
155	120	110	49.0	274.9	**11.9** *	55.5	284.7	**13.2** *	61.4	291.0	**13.6**														110
155	120	120	43.7	265.0	**10.9** *	50.7	276.9	**12.2** *	57.0	284.8	**12.0**														120
155	120	126										60.0	285.7	**9.4**											126
155	120	130	37.8	253.0	**10.0** *	45.6	267.6	**11.3** *	52.3	277.4	**10.6**	58.4	283.5	**9.0**											130
155	120	140	30.9	237.8	**9.2** *	39.9	256.4	**10.6** *	47.3	268.7	**9.4**	53.8	276.5	**7.9**											140
155	120	150	22.2	216.8	**8.6** *	33.4	242.5	**9.8**	41.9	258.2	**8.4**	48.9	268.2	**7.0**	55.0	273.9	**5.6**								150
155	120	160				25.5	224.1	**8.8**	35.7	245.3	**7.5**	43.6	258.3	**6.2**	50.3	266.1	**5.0**								160
155	120	170				13.8	194.5	**7.9**	28.4	228.7	**6.7**	37.7	246.3	**5.5**	45.1	256.7	**4.4**								170
155	120	180							18.6	204.6	**6.0**	30.9	231.0	**4.9**	39.4	245.4	**3.8**								180
155	120	190										22.1	210.1	**4.4**	32.9	231.2	**3.3**								190
155	120	200													24.8	212.2	**2.9**								200
155	120	210													12.3	180.7	**2.5**								210
155	130	53	75.0	317.8	**15.2** *																				53
155	130	60	72.3	315.5	**14.8** *																				60
155	130	70	68.5	311.8	**14.1** *																				70
155	130	79				70.0	312.3	**15.5** *																	79
155	130	80	64.6	307.2	**13.2** *	69.8	312.1	**15.4** *																	80
155	130	90	60.6	301.8	**12.3** *	66.0	307.9	**14.2** *																	90
155	130	100	56.4	295.5	**11.4** *	62.0	302.8	**13.1** *																	100
155	130	106							65.0	304.5	**13.7** *														106
155	130	110	52.0	288.0	**10.4** *	57.9	296.8	**12.1** *	63.4	302.4	**13.3** *														110
155	130	120	47.3	279.2	**9.6** *	53.6	289.7	**11.2** *	59.3	296.7	**11.7**														120
155	130	130	42.2	268.8	**8.7** *	49.0	281.4	**10.4** *	55.0	290.0	**10.3**														130
155	130	131										60.0	294.4	**8.5**											131
155	130	140	36.5	256.2	**8.0** *	44.0	271.6	**9.7** *	50.5	282.2	**9.1**	56.4	288.8	**7.6**											140
155	130	150	29.9	240.4	**7.3** *	38.6	259.9	**9.0** *	45.7	272.9	**8.1**	52.0	281.4	**6.7**											150
155	130	156													55.0	282.1	**4.9**								156
155	130	160	21.4	218.7	**6.9** *	32.3	245.3	**8.4** *	40.5	261.9	**7.2**	47.3	272.6	**5.9**	53.2	279.0	**4.7**								160
155	130	170				24.7	226.2	**7.7**	34.5	248.4	**6.5**	42.2	262.1	**5.3**	48.6	270.7	**4.1**								170
155	130	180				13.3	195.6	**6.8** *	27.5	231.1	**5.8**	36.5	249.5	**4.6**	43.6	260.7	**3.5**								180

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
155	130	190									18.0	206.1	**5.2**		29.8	233.7	**4.1**		38.1	248.8	**3.0**										190
155	130	200													21.4	211.9	**3.6**		31.8	234.0	**2.6**										200
155	130	210																	24.0	214.3	**2.2**										210
155	140	55	75.0	327.5	**12.9**	*																									55
155	140	60	73.3	326.0	**12.7**	*																									60
155	140	70	69.8	322.5	**12.1**	*																									70
155	140	80	66.2	318.3	**11.4**	*																									80
155	140	83					70.0	321.7	**13.8**	*																					83
155	140	90	62.5	313.3	**10.6**	*	67.5	318.8	**13.1**	*																					90
155	140	100	58.6	307.5	**9.8**	*	63.8	314.1	**12.1**	*																					100
155	140	110	54.6	300.6	**9.0**	*	60.0	308.6	**11.1**	*	65.0	313.5	**12.2**	*																	110
155	140	120	50.3	292.7	**8.2**	*	56.0	302.1	**10.3**	*	61.3	308.3	**11.3**	*																	120
155	140	130	45.8	283.5	**7.5**	*	51.8	294.6	**9.5**	*	57.4	302.2	**10.0**																		130
155	140	136													60.0	303.0	**7.7**														136
155	140	140	40.9	272.5	**6.8**	*	47.4	285.8	**8.8**	*	53.3	295.0	**8.9**		58.6	300.8	**7.3**														140
155	140	150	35.4	259.4	**6.2**	*	42.6	275.5	**8.2**	*	48.9	286.7	**7.9**		54.6	294.0	**6.4**														150
155	140	160	29.0	242.9	**5.7**	*	37.4	263.2	**7.6**	*	44.3	276.9	**7.0**		50.3	286.0	**5.7**														160
155	140	162																	55.0	290.3	**4.3**										162
155	140	170	20.8	220.5	**5.3**	*	31.3	248.1	**7.0**	*	39.2	265.4	**6.2**		45.8	276.8	**5.0**		51.5	283.9	**3.8**										170
155	140	180					23.9	228.3	**6.2**	*	33.5	251.4	**5.5**		40.8	265.8	**4.4**		47.1	275.0	**3.2**										180
155	140	190					12.9	196.6	**4.9**	*	26.6	233.4	**4.9**		35.3	252.7	**3.8**		42.2	264.6	**2.8**										190
155	140	200									17.4	207.6	**4.4**		28.9	236.2	**3.4**		36.9	252.1	**2.3**										200
155	140	210													20.7	213.7	**2.9**														210
155	150	58	75.0	337.1	**10.7**	*																									58
155	150	60	74.3	336.5	**10.6**	*																									60
155	150	70	71.0	333.2	**10.2**	*																									70
155	150	80	67.6	329.2	**9.6**	*																									80
155	150	86					70.0	331.1	**12.2**	*																					86
155	150	90	64.1	324.6	**9.0**	*	68.8	329.7	**11.9**	*																					90
155	150	100	60.5	319.2	**8.3**	*	65.3	325.3	**11.0**	*																					100
155	150	110	56.8	312.9	**7.6**	*	61.8	320.1	**10.1**	*																					110
155	150	114									65.0	322.6	**10.7**	*																	114
155	150	120	52.9	305.6	**6.9**	*	58.1	314.1	**9.3**	*	63.0	319.7	**10.3**	*																	120
155	150	130	48.8	297.2	**6.3**	*	54.3	307.2	**8.6**	*	59.4	314.0	**9.5**	*																	130

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
155	150	140	44.4	287.5	**5.6**	*	50.3	299.3	**7.9**	*	55.6	307.4	**8.6**																		140
155	150	141													60.0	311.7	**6.9**														141
155	150	150	39.7	276.1	**5.1**	*	46.0	290.0	**7.3**	*	51.7	299.8	**7.6**		56.8	306.2	**6.2**														150
155	150	160	34.3	262.4	**4.6**	*	41.4	279.3	**6.8**	*	47.5	291.1	**6.7**		52.9	299.0	**5.4**														160
155	150	167																	55.0	298.5	**3.6**										167
155	150	170	28.1	245.4	**4.2**	*	36.3	266.5	**6.1**	*	43.0	280.9	**6.0**		48.8	290.6	**4.7**		54.0	296.6	**3.5**										170
155	150	180	20.2	222.2	**2.4**	*	30.4	250.8	**5.5**	*	38.0	268.8	**5.3**		44.4	280.8	**4.1**		50.0	288.5	**3.0**										180
155	150	190					23.2	230.3	**3.5**	*	32.5	254.2	**4.7**		39.6	269.4	**3.6**		45.7	279.2	**2.5**										190
155	150	200									25.9	235.7	**4.1**		34.3	255.7	**3.1**		41.0	268.3	**2.1**										200
155	150	210									16.9	209.0	**2.4**	*	28.1	238.7	**2.7**														210
155	150	220													20.1	215.4	**2.3**														220
165	110	47	75.0	308.5	**18.0**	*																									47
165	110	50	73.9	307.7	**17.8**	*																									50
165	110	60	69.6	304.2	**17.0**	*																									60
165	110	70	65.3	299.9	**16.1**	*																									70
165	110	74					70.0	303.5	**17.6**	*																					74
165	110	80	60.7	294.5	**15.0**	*	67.2	300.8	**16.7**	*																					80
165	110	90	55.9	288.1	**13.9**	*	62.7	295.9	**15.4**	*																					90
165	110	99									65.0	296.2	**15.7**	*																	99
165	110	100	50.8	280.3	**12.9**	*	58.0	290.0	**14.2**	*	64.6	295.8	**15.6**																		100
165	110	110	45.3	271.0	**11.8**	*	53.1	282.8	**13.2**	*	60.0	290.3	**13.6**																		110
165	110	120	39.1	259.6	**10.9**	*	47.7	274.2	**12.2**	*	55.2	283.7	**12.0**																		120
165	110	124													60.0	286.7	**9.6**														124
165	110	130	32.0	245.0	**10.1**	*	41.9	263.8	**11.4**	*	50.0	275.7	**10.6**		57.1	282.9	**8.9**														130
165	110	140	23.0	224.9	**9.5**	*	35.3	250.8	**10.6**	*	44.4	266.1	**9.5**		52.1	275.5	**7.9**														140
165	110	148																	55.0	275.1	**5.7**										148
165	110	150					27.3	233.6	**9.9**		38.2	254.3	**8.4**		46.7	266.6	**7.0**		54.0	273.5	**5.5**										150
165	110	160					15.7	206.8	**8.8**	*	30.9	239.2	**7.6**		40.8	255.7	**6.2**		48.7	265.2	**4.9**										160
165	110	170									21.4	217.8	**6.8**		34.0	242.1	**5.5**		43.0	255.1	**4.3**										170
165	110	180													25.6	223.9	**4.9**		36.5	242.7	**3.8**										180
165	110	190													12.5	193.0	**4.4**		28.8	226.4	**3.3**										190
165	110	200																	18.3	202.3	**2.9**										200
165	120	50	75.0	318.1	**15.5**	*																									50
165	120	60	71.0	314.9	**14.8**	*																									60

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																				Load Radius (ft)
			90 Degrees			85 Degrees			80 Degrees			75 Degrees			70 Degrees			65 Degrees					
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	Jib Angle (deg)	Tip Height (ft)	Capacity (kips)			
165	120	70	67.0	310.9	**14.1** *																		70
165	120	77				70.0	312.9	**15.8** *															77
165	120	80	62.8	306.0	**13.2** *	68.8	311.7	**15.4** *															80
165	120	90	58.4	300.1	**12.3** *	64.6	307.1	**14.2** *															90
165	120	100	53.8	293.2	**11.3** *	60.4	301.7	**13.1** *															100
165	120	103							65.0	305.2	**14.0** *												103
165	120	110	49.0	284.9	**10.4** *	55.9	295.3	**12.2** *	62.2	301.8	**13.3**												110
165	120	120	43.7	275.0	**9.5** *	51.1	287.6	**11.3** *	57.8	295.8	**11.7**												120
165	120	129										60.0	295.4	**8.7**									129
165	120	130	37.8	263.0	**8.8** *	46.0	278.5	**10.5** *	53.2	288.7	**10.3**	59.6	294.7	**8.6**									130
165	120	140	30.9	247.8	**8.1** *	40.4	267.4	**9.7** *	48.2	280.2	**9.2**	55.0	288.1	**7.6**									140
165	120	150	22.2	226.8	**7.6** *	34.0	253.8	**9.1** *	42.9	270.0	**8.2**	50.2	280.2	**6.7**									150
165	120	154													55.0	283.3	**5.0**						154
165	120	160				26.3	235.9	**8.5** *	36.9	257.6	**7.3**	45.0	270.7	**5.9**	52.0	278.4	**4.6**						160
165	120	170				15.2	208.1	**7.4** *	29.8	241.8	**6.5**	39.3	259.3	**5.3**	47.0	269.5	**4.0**						170
165	120	180							20.6	219.6	**5.9**	32.8	245.0	**4.7**	41.5	258.9	**3.5**						180
165	120	190										24.7	226.0	**4.1**	35.2	245.8	**3.0**						190
165	120	200										12.0	194.0	**3.6**	27.8	228.9	**2.6**						200
165	120	210													17.7	203.8	**2.2**						210
165	130	53	75.0	327.8	**13.1** *																		53
165	130	60	72.3	325.5	**12.8** *																		60
165	130	70	68.5	321.8	**12.1** *																		70
165	130	80	64.6	317.2	**11.4** *	70.0	322.3	**14.1** *															80
165	130	90	60.6	311.8	**10.6** *	66.3	318.2	**13.1** *															90
165	130	100	56.4	305.5	**9.8** *	62.4	313.2	**12.1** *															100
165	130	108							65.0	314.3	**12.5** *												108
165	130	110	52.0	298.0	**9.0** *	58.3	307.3	**11.2** *	64.0	313.1	**12.3** *												110
165	130	120	47.3	289.2	**8.2** *	54.0	300.3	**10.3** *	60.0	307.6	**11.4**												120
165	130	130	42.2	278.8	**7.5** *	49.4	292.2	**9.6** *	55.8	301.1	**10.1**												130
165	130	134										60.0	304.0	**7.9**									134
165	130	140	36.5	266.2	**6.9** *	44.5	282.5	**8.9** *	51.3	293.5	**8.9**	57.5	300.2	**7.3**									140
165	130	150	29.9	250.4	**6.3** *	39.1	271.0	**8.2** *	46.6	284.5	**7.9**	53.1	293.1	**6.4**									150
165	130	159													55.0	291.5	**4.3**						159
165	130	160	21.4	228.7	**6.0** *	32.9	256.7	**7.7** *	41.4	273.8	**7.1**	48.5	284.6	**5.6**	54.7	291.0	**4.3**						160
165	130	170				25.5	238.1	**7.0** *	35.6	260.8	**6.3**	43.5	274.7	**5.0**	50.2	283.1	**3.7**						170

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
165	130	180					14.7	209.3	**6.2**	*	28.8	244.3	**5.6**		38.0	262.7	**4.4**		45.4	273.7	**3.2**										180
165	130	190									19.9	221.3	**5.0**		31.7	247.8	**3.9**		40.1	262.5	**2.7**										190
165	130	200													23.8	228.1	**3.4**		34.1	248.8	**2.3**										200
165	130	210													11.6	194.9	**2.9**														210
165	140	55	75.0	337.5	**11.0**	*																									55
165	140	60	73.3	336.0	**10.8**	*																									60
165	140	70	69.8	332.5	**10.3**	*																									70
165	140	80	66.2	328.3	**9.7**	*																									80
165	140	84					70.0	331.7	**12.5**	*																					84
165	140	90	62.5	323.3	**9.0**	*	67.8	329.2	**11.9**	*																					90
165	140	100	58.6	317.5	**8.3**	*	64.1	324.5	**11.0**	*																					100
165	140	110	54.6	310.6	**7.6**	*	60.3	319.0	**10.2**	*																					110
165	140	112									65.0	323.4	**11.0**	*																	112
165	140	120	50.3	302.7	**6.9**	*	56.4	312.7	**9.4**	*	61.9	319.1	**10.4**	*																	120
165	140	130	45.8	293.5	**6.3**	*	52.2	305.2	**8.7**	*	58.1	313.1	**9.6**	*																	130
165	140	139													60.0	312.7	**7.1**														139
165	140	140	40.9	282.5	**5.7**	*	47.8	296.6	**8.0**	*	54.0	306.2	**8.6**		59.6	312.1	**7.0**														140
165	140	150	35.4	269.4	**5.2**	*	43.1	286.4	**7.4**	*	49.7	298.1	**7.7**		55.6	305.5	**6.1**														150
165	140	160	29.0	252.9	**4.7**	*	37.9	274.4	**6.8**	*	45.1	288.6	**6.8**		51.4	297.9	**5.4**														160
165	140	165																	55.0	299.7	**3.7**										165
165	140	170	20.8	230.5	**4.5**	*	31.9	259.5	**6.1**	*	40.1	277.4	**6.0**		47.0	289.0	**4.7**		53.0	296.0	**3.4**										170
165	140	180					24.7	240.3	**5.5**	*	34.5	263.9	**5.4**		42.2	278.5	**4.1**		48.6	287.6	**2.9**										180
165	140	190					14.2	210.5	**5.0**	*	27.9	246.8	**4.8**		36.8	266.0	**3.6**		43.9	277.7	**2.4**										190
165	140	200									19.3	222.9	**4.2**		30.7	250.5	**3.1**		38.8	266.0	**2.0**										200
165	140	210													23.1	230.1	**2.7**														210
165	140	220													11.2	195.9	**2.3**														220
165	150	58	75.0	347.1	**8.9**	*																									58
165	150	60	74.3	346.5	**8.9**	*																									60
165	150	70	71.0	343.2	**8.5**	*																									70
165	150	80	67.6	339.2	**8.0**	*																									80
165	150	87					70.0	341.0	**10.6**	*																					87
165	150	90	64.1	334.6	**7.5**	*	69.1	340.0	**10.4**	*																					90
165	150	100	60.5	329.2	**6.9**	*	65.6	335.6	**9.9**	*																					100
165	150	110	56.8	322.9	**6.3**	*	62.1	330.5	**9.2**	*																					110

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
165	150	116									65.0	332.4	**9.6**	*												116
165	150	120	52.9	315.6	**5.7**	*	58.5	324.6	**8.5**	*	63.6	330.5	**9.4**	*												120
165	150	130	48.8	307.2	**5.1**	*	54.6	317.8	**7.8**	*	60.0	324.9	**8.7**	*												130
165	150	140	44.4	297.5	**4.6**	*	50.6	310.0	**7.2**	*	56.3	318.5	**8.0**	*												140
165	150	144													60.0	321.3	**6.3**									144
165	150	150	39.7	286.1	**4.1**	*	46.4	300.9	**6.5**	*	52.4	311.1	**7.4**		57.8	317.6	**5.8**									150
165	150	160	34.3	272.4	**3.7**	*	41.8	290.2	**5.8**	*	48.2	302.5	**6.5**		53.9	310.6	**5.1**									160
165	150	170	28.1	255.4	**3.3**	*	36.7	277.6	**5.2**	*	43.8	292.6	**5.8**		49.9	302.5	**4.4**									170
165	150	180	20.2	232.2	**2.3**	*	31.0	262.3	**4.6**	*	38.9	280.9	**5.1**		45.6	293.2	**3.8**									180
165	150	190					23.9	242.3	**3.7**	*	33.5	266.8	**4.5**		40.9	282.2	**3.3**									190
165	150	200									27.1	249.2	**4.0**		35.7	269.2	**2.8**									200
165	150	210									18.8	224.5	**2.8**	*	29.8	253.2	**2.4**									210
165	150	220													22.4	232.0	**2.0**									220

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Luffing Jib + Fixed Jib Lengths - Over End Blocked Capacities						
Luffing Boom Length	Luffing Boom Angles					
	90	85	80	75	70	65
	Allowable Luffing Jib + Fixed Jib Length					
85'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'
95'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'
105'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'
115'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'
125'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'
135'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'
145'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'
155'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'	80'+30 ' - 150'+30'
165'	110'+30 ' - 150'+30'	110'+30 ' - 150'+30'	110'+30 ' - 150'+30'	110'+30 ' - 150'+30'	110'+30 ' - 150'+30'	110'+30 ' - 140'+30'

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
85	80	40	75.0	199.5	**22.7**	*																			40
85	80	50	69.4	195.9	**22.7**	*																			50
85	80	56					70.0	195.6	**22.7**	*															56
85	80	60	63.8	191.3	**22.7**	*	68.0	194.1	**22.7**	*															60
85	80	70	57.9	185.4	**22.7**	*	62.3	189.1	**22.7**	*															70
85	80	73									65.0	190.2	**22.7**	*											73
85	80	80	51.5	178.0	**22.2**	*	56.2	182.9	**22.7**	*	60.7	186.2	**22.7**	*											80
85	80	88													60.0	183.4	**22.7**	*							88
85	80	90	44.4	168.5	**20.2**	*	49.7	175.0	**22.4**	*	54.5	179.5	**22.4**	*	59.0	182.4	**22.7**	*							90
85	80	100	36.3	156.2	**17.9**	*	42.5	164.9	**19.6**	*	47.8	171.1	**21.6**	*	52.7	175.2	**21.8**								100
85	80	103																	55.0	175.3	**19.9**				103
85	80	110	26.1	138.8	**16.1**	*	33.9	151.5	**17.4**	*	40.3	160.2	**18.9**	*	45.8	166.2	**19.3**		50.7	170.0	**18.4**				110
85	80	118																					50.0	165.9	**15.9**	118
85	80	120					22.7	131.9	**15.7**	*	31.3	145.7	**16.9**	*	37.9	154.5	**17.2**		43.5	160.3	**16.3**		48.4	163.8	**15.5**	120
85	80	130									18.5	122.7	**15.3**	*	28.2	138.3	**15.4**		35.2	147.5	**14.6**		40.9	153.2	**13.9**	130
85	80	140													12.5	109.3	**13.9**		24.5	129.1	**13.2**		32.0	139.0	**12.5**	140
85	80	150																					19.7	117.1	**11.3**	150
85	90	42	75.0	209.2	**22.7**	*																			42
85	90	50	71.2	206.6	**22.7**	*																			50
85	90	60	66.1	202.5	**22.7**	*	70.0	205.0	**22.7**	*															60
85	90	70	60.8	197.2	**22.7**	*	64.7	200.4	**22.7**	*															70
85	90	77									65.0	199.3	**22.7**	*											77
85	90	80	55.2	190.6	**22.2**	*	59.4	194.8	**22.7**	*	63.3	197.6	**22.7**	*											80
85	90	90	49.1	182.5	**20.8**	*	53.7	187.9	**21.2**	*	57.9	191.7	**22.1**	*											90
85	90	93													60.0	192.1	**22.7**	*							93
85	90	100	42.5	172.4	**19.5**	*	47.5	179.3	**19.8**	*	52.0	184.4	**20.3**	*	56.2	187.7	**21.2**	*							100
85	90	109																	55.0	183.5	**18.3**				109
85	90	110	34.7	159.3	**17.5**	*	40.6	168.5	**18.8**	*	45.7	175.2	**19.0**	*	50.3	179.9	**19.0**		54.5	182.8	**18.1**				110
85	90	120	24.9	140.9	**15.1**	*	32.4	154.4	**17.1**	*	38.5	163.7	**17.7**		43.7	170.2	**16.9**		48.4	174.5	**16.0**				120
85	90	124																					50.0	173.6	**14.5**	124
85	90	130					21.6	133.7	**14.8**	*	29.9	148.3	**15.9**		36.2	157.7	**15.1**		41.6	164.1	**14.4**		46.2	168.0	**13.6**	130
85	90	140									17.6	124.2	**14.3**		27.0	140.7	**13.6**		33.6	150.5	**12.9**		39.1	156.7	**12.2**	140
85	90	150													11.9	110.2	**12.3**		23.4	131.1	**11.7**		30.6	141.7	**11.1**	150
85	90	160																					18.8	118.7	**10.0**	160

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle 90 Degrees Jib Angle (deg)	90 Degrees Tip Height (ft)	90 Degrees Capacity (kips)		85 Degrees Jib Angle (deg)	85 Degrees Tip Height (ft)	85 Degrees Capacity (kips)		80 Degrees Jib Angle (deg)	80 Degrees Tip Height (ft)	80 Degrees Capacity (kips)		75 Degrees Jib Angle (deg)	75 Degrees Tip Height (ft)	75 Degrees Capacity (kips)		70 Degrees Jib Angle (deg)	70 Degrees Tip Height (ft)	70 Degrees Capacity (kips)		65 Degrees Jib Angle (deg)	65 Degrees Tip Height (ft)	65 Degrees Capacity (kips)		Load Radius (ft)
85	100	45	75.0	218.8	**22.7**	*																					45
85	100	50	72.7	217.2	**22.7**	*																					50
85	100	60	68.0	213.4	**22.7**	*																					60
85	100	63					70.0	214.4	**22.7**	*																	63
85	100	70	63.2	208.6	**22.7**	*	66.8	211.5	**22.7**	*																	70
85	100	80	58.2	202.8	**20.9**	*	61.9	206.5	**21.8**	*																	80
85	100	81									65.0	208.3	**22.7**	*													81
85	100	90	52.9	195.6	**19.3**	*	56.8	200.3	**19.9**	*	60.6	203.5	**20.9**	*													90
85	100	98													60.0	200.8	**20.4**	*									98
85	100	100	47.1	186.9	**18.2**	*	51.4	192.7	**18.5**	*	55.4	197.0	**19.0**	*	59.1	199.7	**20.1**	*									100
85	100	110	40.7	176.1	**17.3**	*	45.5	183.5	**17.4**	*	49.8	189.0	**17.7**	*	53.9	192.8	**18.3**	*									110
85	100	115																	55.0	191.7	**16.8**						115
85	100	120	33.3	162.2	**15.7**	*	38.9	172.0	**16.6**	*	43.8	179.2	**16.6**	*	48.2	184.4	**16.6**		52.2	187.7	**15.8**						120
85	100	130	23.9	143.0	**13.0**	*	31.1	157.1	**15.5**	*	36.9	167.0	**15.7**		41.9	174.0	**14.9**		46.3	178.8	**14.1**		50.0	181.3	**13.3**		130
85	100	140					20.7	135.5	**12.8**	*	28.7	150.8	**14.1**		34.8	160.8	**13.4**		39.8	167.6	**12.7**		44.3	172.1	**12.0**		140
85	100	150									16.9	125.6	**12.5**	*	25.8	142.9	**12.1**		32.3	153.3	**11.4**		37.5	160.1	**10.8**		150
85	100	160													11.4	111.1	**11.0**		22.4	133.0	**10.4**		29.4	144.2	**9.8**		160
85	100	170																					18.1	120.2	**8.9**		170
85	110	47	75.0	228.5	**22.7**	*																					47
85	110	50	73.9	227.7	**22.7**	*																					50
85	110	60	69.6	224.2	**22.7**	*																					60
85	110	67					70.0	223.8	**22.7**	*																	67
85	110	70	65.3	219.9	**21.5**	*	68.5	222.4	**22.7**	*																	70
85	110	80	60.7	214.5	**19.6**	*	64.1	217.8	**20.7**	*																	80
85	110	85									65.0	217.4	**20.8**	*													85
85	110	90	55.9	208.1	**18.1**	*	59.5	212.2	**18.7**	*	62.8	215.0	**19.8**	*													90
85	110	100	50.8	200.3	**16.8**	*	54.6	205.4	**17.3**	*	58.2	209.1	**18.0**	*													100
85	110	103													60.0	209.4	**18.4**	*									103
85	110	110	45.3	191.0	**15.9**	*	49.4	197.3	**16.1**	*	53.2	202.0	**16.5**	*	56.8	205.1	**17.3**	*									110
85	110	120	39.1	179.6	**15.2**	*	43.7	187.5	**15.2**	*	47.9	193.4	**15.4**	*	51.7	197.6	**15.9**	*	55.0	199.9	**15.4**						120
85	110	130	32.0	165.0	**13.5**	*	37.4	175.4	**14.6**	*	42.1	183.1	**14.6**	*	46.3	188.6	**14.6**		50.1	192.4	**13.8**						130
85	110	137																					50.0	188.9	**12.1**		137
85	110	140	23.0	144.9	**11.2**	*	29.9	159.7	**13.3**	*	35.5	170.1	**13.9**		40.3	177.6	**13.1**		44.6	182.8	**12.4**		48.3	186.2	**11.7**		140
85	110	150					20.0	137.2	**11.0**	*	27.6	153.2	**12.5**		33.4	163.8	**11.9**		38.3	171.1	**11.2**		42.6	176.0	**10.5**		150
85	110	160									16.2	126.9	**10.8**	*	24.9	145.0	**10.7**		31.0	156.0	**10.1**		36.1	163.3	**9.5**		160

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																										Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees						
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)				
85	110	170													10.9	112.0	**9.8**		21.6	134.9	**9.2**		28.3	146.7	**8.6**				170
85	110	180																					17.4	121.6	**7.8**				180
85	120	50	75.0	238.1	**22.7**	*																							50
85	120	60	71.0	234.9	**22.7**	*																							60
85	120	70	67.0	230.9	**20.4**	*	70.0	233.2	**21.9**	*																			70
85	120	80	62.8	226.0	**18.4**	*	65.9	228.9	**19.6**	*																			80
85	120	89									65.0	226.5	**18.9**	*															89
85	120	90	58.4	220.1	**16.9**	*	61.7	223.8	**17.6**	*	64.8	226.2	**18.8**	*															90
85	120	100	53.8	213.2	**15.6**	*	57.3	217.6	**16.1**	*	60.5	220.8	**17.0**	*															100
85	120	108													60.0	218.1	**16.6**	*											108
85	120	110	49.0	204.9	**14.7**	*	52.6	210.4	**15.0**	*	56.0	214.4	**15.5**	*	59.2	217.0	**16.3**	*											110
85	120	120	43.7	195.0	**13.9**	*	47.6	201.7	**14.0**	*	51.3	206.7	**14.3**	*	54.7	210.3	**15.0**	*											120
85	120	126																	55.0	208.1	**14.1**								126
85	120	130	37.8	183.0	**13.4**	*	42.2	191.3	**13.3**	*	46.2	197.7	**13.5**	*	49.9	202.3	**13.8**	*	53.3	205.3	**13.5**								130
85	120	140	30.9	167.8	**11.6**	*	36.1	178.6	**12.8**	*	40.6	186.7	**12.7**	*	44.7	192.7	**12.9**		48.3	196.9	**12.1**								140
85	120	143																					50.0	196.6	**11.0**				143
85	120	150	22.2	146.8	**9.6**	*	28.9	162.3	**11.5**	*	34.3	173.2	**12.3**		38.9	181.1	**11.6**		43.0	186.7	**10.9**		46.6	190.5	**10.2**				150
85	120	160					19.2	138.8	**9.5**	*	26.6	155.5	**11.1**		32.3	166.6	**10.5**		37.0	174.4	**9.9**		41.1	179.7	**9.2**				160
85	120	170									15.7	128.2	**9.3**	*	24.0	147.1	**9.5**		30.0	158.7	**8.9**		34.8	166.4	**8.3**				170
85	120	180													10.5	112.8	**8.7**		20.8	136.6	**8.1**		27.3	149.1	**7.6**				180
85	120	190																					16.7	123.0	**6.9**				190
85	130	53	75.0	247.8	**22.7**	*																							53
85	130	60	72.3	245.5	**21.6**	*																							60
85	130	70	68.5	241.8	**19.2**	*																							70
85	130	73					70.0	242.6	**19.9**	*																			73
85	130	80	64.6	237.2	**17.3**	*	67.5	239.9	**18.5**	*																			80
85	130	90	60.6	231.8	**15.8**	*	63.6	235.1	**16.6**	*																			90
85	130	94									65.0	235.5	**17.0**	*															94
85	130	100	56.4	225.5	**14.6**	*	59.5	229.5	**15.1**	*	62.5	232.3	**16.0**	*															100
85	130	110	52.0	218.0	**13.5**	*	55.3	222.9	**13.9**	*	58.4	226.4	**14.6**	*															110
85	130	113													60.0	226.7	**14.9**	*											113
85	130	120	47.3	209.2	**12.7**	*	50.8	215.1	**13.0**	*	54.1	219.5	**13.3**	*	57.2	222.5	**14.0**	*											120
85	130	130	42.2	198.8	**12.1**	*	46.0	205.9	**12.2**	*	49.5	211.4	**12.4**	*	52.8	215.2	**12.9**	*											130
85	130	132																	55.0	216.3	**13.0**								132

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle 90 Degrees Jib Angle (deg)	90 Degrees Tip Height (ft)	90 Degrees Capacity (kips)		85 Degrees Jib Angle (deg)	85 Degrees Tip Height (ft)	85 Degrees Capacity (kips)		80 Degrees Jib Angle (deg)	80 Degrees Tip Height (ft)	80 Degrees Capacity (kips)		75 Degrees Jib Angle (deg)	75 Degrees Tip Height (ft)	75 Degrees Capacity (kips)		70 Degrees Jib Angle (deg)	70 Degrees Tip Height (ft)	70 Degrees Capacity (kips)		65 Degrees Jib Angle (deg)	65 Degrees Tip Height (ft)	65 Degrees Capacity (kips)		Load Radius (ft)
85	130	140	36.5	186.2	**11.7**	*	40.8	195.0	**11.6**	*	44.6	201.7	**11.7**	*	48.2	206.7	**11.9**	*	51.4	210.1	**11.9**						140
85	130	150	29.9	170.4	**10.0**	*	34.9	181.7	**11.1**	*	39.3	190.3	**11.1**	*	43.2	196.6	**11.2**	*	46.7	201.2	**10.7**		50.0	204.2	**10.0**		150
85	130	160	21.4	148.7	**8.2**	*	27.9	164.7	**9.9**	*	33.1	176.1	**10.7**	*	37.6	184.5	**10.2**		41.5	190.5	**9.6**		45.0	194.6	**9.0**		160
85	130	170					18.6	140.4	**8.1**	*	25.7	157.7	**9.8**	*	31.2	169.4	**9.3**		35.7	177.6	**8.7**		39.7	183.2	**8.1**		170
85	130	180									15.1	129.5	**8.0**	*	23.2	149.1	**8.4**		29.0	161.2	**7.9**		33.6	169.3	**7.3**		180
85	130	190													10.2	113.6	**7.7**		20.1	138.4	**7.1**		26.4	151.4	**6.6**		190
85	130	200																					16.2	124.4	**6.0**		200
85	140	55	75.0	257.5	**21.5**	*																					55
85	140	60	73.3	256.0	**20.3**	*																					60
85	140	70	69.8	252.5	**18.1**	*																					70
85	140	77					70.0	252.0	**18.0**	*																	77
85	140	80	66.2	248.3	**16.2**	*	68.9	250.7	**17.4**	*																	80
85	140	90	62.5	243.3	**14.7**	*	65.2	246.3	**15.6**	*																	90
85	140	98									65.0	244.6	**15.3**	*													98
85	140	100	58.6	237.5	**13.5**	*	61.5	241.1	**14.1**	*	64.2	243.6	**15.0**	*													100
85	140	110	54.6	230.6	**12.5**	*	57.6	235.0	**12.9**	*	60.4	238.1	**13.6**	*													110
85	140	118													60.0	235.4	**13.3**	*									118
85	140	120	50.3	222.7	**11.7**	*	53.5	227.9	**12.0**	*	56.5	231.8	**12.4**	*	59.3	234.4	**13.1**	*									120
85	140	130	45.8	213.5	**11.0**	*	49.2	219.7	**11.2**	*	52.4	224.4	**11.5**	*	55.3	227.7	**12.0**	*									130
85	140	138																	55.0	224.5	**11.7**	*					138
85	140	140	40.9	202.5	**10.5**	*	44.6	210.0	**10.5**	*	48.0	215.8	**10.7**	*	51.1	220.0	**11.0**	*	54.1	222.8	**11.5**	*					140
85	140	150	35.4	189.4	**9.3**	*	39.5	198.6	**10.0**	*	43.2	205.7	**10.1**	*	46.7	211.0	**10.3**	*	49.8	214.8	**10.4**						150
85	140	156																					50.0	211.9	**9.1**		156
85	140	160	29.0	172.9	**7.9**	*	33.8	184.7	**9.7**	*	38.0	193.7	**9.6**	*	41.8	200.4	**9.7**	*	45.2	205.3	**9.3**		48.3	208.5	**8.7**		160
85	140	170	20.8	150.5	**6.6**	*	27.1	167.1	**8.2**	*	32.1	179.0	**9.3**	*	36.4	187.7	**9.0**		40.2	194.1	**8.4**		43.6	198.6	**7.8**		170
85	140	180					18.0	141.9	**6.4**	*	24.9	159.9	**8.3**	*	30.2	172.0	**8.2**		34.6	180.7	**7.6**		38.4	186.7	**7.0**		180
85	140	190									14.7	130.7	**6.1**	*	22.5	151.0	**7.4**		28.1	163.7	**6.9**		32.6	172.2	**6.3**		190
85	140	200													9.8	114.4	**5.6**	*	19.5	140.0	**6.2**		25.5	153.6	**5.7**		200
85	140	210																					15.7	125.7	**5.2**		210
85	150	58	75.0	267.1	**19.5**	*																					58
85	150	60	74.3	266.5	**19.0**	*																					60
85	150	70	71.0	263.2	**17.0**	*																					70
85	150	80	67.6	259.2	**15.2**	*	70.0	261.4	**16.2**	*																	80
85	150	90	64.1	254.6	**13.7**	*	66.7	257.3	**14.6**	*																	90

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
85	150	100	60.5	249.2	**12.5**	*	63.2	252.5	**13.2**	*															100
85	150	102									65.0	253.6	**13.7**	*											102
85	150	110	56.8	242.9	**11.5**	*	59.6	246.8	**12.0**	*	62.2	249.6	**12.7**	*											110
85	150	120	52.9	235.6	**10.7**	*	55.8	240.3	**11.0**	*	58.6	243.7	**11.6**	*											120
85	150	123													60.0	244.1	**11.8**	*							123
85	150	130	48.8	227.2	**10.0**	*	51.9	232.8	**10.2**	*	54.8	237.0	**10.6**	*	57.5	239.8	**11.2**	*							130
85	150	140	44.4	217.5	**9.4**	*	47.7	224.1	**9.6**	*	50.8	229.1	**9.8**	*	53.7	232.8	**10.2**	*							140
85	150	143																	55.0	232.7	**10.4**	*			143
85	150	150	39.7	206.1	**8.4**	*	43.2	213.9	**9.0**	*	46.5	220.1	**9.2**	*	49.6	224.6	**9.4**	*	52.4	227.7	**9.8**	*			150
85	150	160	34.3	192.4	**7.0**	*	38.3	202.0	**8.6**	*	42.0	209.5	**8.6**	*	45.3	215.2	**8.8**	*	48.3	219.2	**9.1**				160
85	150	163																					50.0	219.6	**8.2**		163
85	150	170	28.1	175.4	**4.6**	*	32.8	187.6	**6.8**	*	36.9	197.0	**8.2**	*	40.6	204.1	**8.3**	*	43.9	209.3	**8.2**		46.9	212.8	**7.5**		170
85	150	180	20.2	152.2	**2.5**	*	26.3	169.3	**4.5**	*	31.2	181.7	**6.6**	*	35.4	190.9	**7.9**		39.0	197.7	**7.4**		42.3	202.4	**6.8**		180
85	150	190					17.5	143.4	**2.3**	*	24.2	162.0	**4.3**	*	29.3	174.6	**6.3**	*	33.6	183.6	**6.6**		37.3	190.1	**6.1**		190
85	150	200									14.2	131.9	**2.1**	*	21.8	152.9	**4.0**	*	27.2	166.0	**6.0**		31.6	175.0	**5.5**		200
85	150	210																	18.9	141.6	**3.7**	*	24.8	155.7	**4.9**		210
85	150	220																					15.2	127.0	**3.3**	*	220
95	80	40	75.0	209.5	**22.7**	*																			40
95	80	50	69.4	205.9	**22.7**	*																			50
95	80	57					70.0	205.5	**22.7**	*															57
95	80	60	63.8	201.3	**22.7**	*	68.5	204.4	**22.7**	*															60
95	80	70	57.9	195.4	**22.7**	*	62.8	199.6	**22.7**	*															70
95	80	74									65.0	200.1	**22.7**	*											74
95	80	80	51.5	188.0	**22.2**	*	56.8	193.4	**22.7**	*	61.7	197.0	**22.7**	*											80
95	80	90	44.4	178.5	**20.2**	*	50.3	185.7	**22.2**	*	55.6	190.6	**22.7**	*											90
95	80	91													60.0	193.1	**22.7**	*							91
95	80	100	36.3	166.2	**17.9**	*	43.1	175.8	**19.8**	*	49.1	182.5	**21.8**	*	54.4	186.9	**21.5**								100
95	80	107																	55.0	184.7	**18.7**				107
95	80	110	26.1	148.8	**16.1**	*	34.8	162.8	**17.5**	*	41.7	172.2	**19.3**	*	47.7	178.4	**19.0**		52.9	182.3	**17.9**				110
95	80	120	5.4	109.9	**11.9**	*	23.8	144.0	**15.8**	*	33.0	158.4	**17.2**	*	40.1	167.5	**16.9**		46.1	173.3	**16.0**				120
95	80	122																					50.0	175.0	**14.7**		122
95	80	130									21.2	137.7	**15.5**	*	31.0	152.8	**15.1**		38.2	161.7	**14.3**		44.2	167.1	**13.5**		130
95	80	140													18.0	129.4	**13.6**		28.6	145.8	**12.9**		36.0	154.6	**12.1**		140
95	80	150																	13.4	117.8	**11.6**		25.7	137.0	**11.0**		150

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
95	90	42	75.0	219.2	**22.7**	*																			42
95	90	50	71.2	216.6	**22.7**	*																			50
95	90	60	66.1	212.5	**22.7**	*																			60
95	90	61					70.0	214.9	**22.7**	*															61
95	90	70	60.8	207.2	**22.7**	*	65.2	210.8	**22.7**	*															70
95	90	78									65.0	209.1	**22.7**	*											78
95	90	80	55.2	200.6	**22.0**	*	59.8	205.3	**22.7**	*	64.2	208.4	**22.7**	*											80
95	90	90	49.1	192.5	**20.6**	*	54.2	198.5	**21.1**	*	58.8	202.7	**22.2**	*											90
95	90	96													60.0	201.8	**22.3**	*							96
95	90	100	42.5	182.4	**19.5**	*	48.0	190.1	**19.7**	*	53.1	195.6	**20.3**	*	57.7	199.1	**21.2**								100
95	90	110	34.7	169.3	**17.5**	*	41.2	179.5	**18.8**	*	46.8	186.8	**19.0**	*	51.9	191.8	**18.7**								110
95	90	112																	55.0	192.9	**17.1**				112
95	90	120	24.9	150.9	**15.1**	*	33.2	165.8	**17.2**	*	39.8	175.8	**17.6**		45.5	182.6	**16.6**		50.5	187.0	**15.7**				120
95	90	128																					50.0	182.7	**13.4**	128
95	90	130	5.1	110.2	**10.2**	*	22.8	145.9	**15.0**	*	31.5	161.2	**15.8**		38.3	170.9	**14.9**		44.0	177.3	**14.0**		48.9	181.1	**13.2**	130
95	90	140									20.3	139.4	**14.2**		29.6	155.4	**13.4**		36.5	165.0	**12.6**		42.2	170.9	**11.8**	140
95	90	150													17.2	130.8	**12.1**		27.3	148.1	**11.4**		34.4	157.7	**10.7**	150
95	90	160																	12.8	118.8	**10.3**		24.5	139.1	**9.7**	160
95	100	45	75.0	228.8	**22.7**	*																			45
95	100	50	72.7	227.2	**22.7**	*																			50
95	100	60	68.0	223.4	**22.7**	*																			60
95	100	64					70.0	224.3	**22.7**	*															64
95	100	70	63.2	218.6	**22.7**	*	67.2	221.9	**22.7**	*															70
95	100	80	58.2	212.8	**20.6**	*	62.4	216.9	**21.7**	*															80
95	100	83									65.0	218.2	**22.7**	*											83
95	100	90	52.9	205.6	**19.1**	*	57.3	210.8	**19.8**	*	61.4	214.3	**21.0**	*											90
95	100	100	47.1	196.9	**18.0**	*	51.9	203.4	**18.4**	*	56.3	208.0	**19.1**	*											100
95	100	101													60.0	210.4	**20.2**	*							101
95	100	110	40.7	186.1	**17.2**	*	46.0	194.3	**17.3**	*	50.8	200.3	**17.7**	*	55.2	204.4	**18.4**								110
95	100	118																	55.0	201.1	**15.7**				118
95	100	120	33.3	172.2	**15.7**	*	39.5	183.1	**16.5**	*	44.9	190.9	**16.6**	*	49.7	196.4	**16.3**		54.0	199.8	**15.4**				120
95	100	130	23.9	153.0	**13.0**	*	31.8	168.6	**15.7**	*	38.2	179.2	**15.5**		43.6	186.6	**14.6**		48.4	191.4	**13.7**				130
95	100	135																					50.0	190.3	**12.2**	135
95	100	140					21.8	147.8	**13.0**	*	30.2	163.8	**14.0**		36.7	174.2	**13.1**		42.2	181.1	**12.3**		46.9	185.5	**11.6**	140
95	100	150									19.5	141.1	**12.6**		28.4	157.9	**11.9**		35.0	168.1	**11.1**		40.5	174.6	**10.4**	150

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																										Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees						
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)				
95	100	160													16.4	132.2	**10.8**		26.2	150.4	**10.1**		33.0	160.6	**9.4**		160
95	100	170																	12.2	119.8	**9.2**		23.5	141.1	**8.5**		170
95	110	47	75.0	238.5	**22.7**	*																							47
95	110	50	73.9	237.7	**22.7**	*																							50
95	110	60	69.6	234.2	**22.7**	*																							60
95	110	67					70.0	233.7	**22.7**	*																			67
95	110	70	65.3	229.9	**21.2**	*	68.9	232.7	**22.7**	*																			70
95	110	80	60.7	224.5	**19.3**	*	64.5	228.2	**20.6**	*																			80
95	110	87									65.0	227.2	**20.5**	*															87
95	110	90	55.9	218.1	**17.8**	*	59.9	222.7	**18.6**	*	63.6	225.7	**19.9**	*															90
95	110	100	50.8	210.3	**16.6**	*	55.0	216.0	**17.2**	*	59.0	220.0	**18.1**	*															100
95	110	106													60.0	219.1	**18.2**	*											106
95	110	110	45.3	201.0	**15.7**	*	49.9	208.0	**16.0**	*	54.1	213.1	**16.5**	*	58.0	216.5	**17.5**	*											110
95	110	120	39.1	189.6	**15.1**	*	44.3	198.4	**15.1**	*	48.9	204.9	**15.4**	*	53.1	209.4	**16.1**												120
95	110	124																	55.0	209.3	**14.4**								124
95	110	130	32.0	175.0	**13.5**	*	38.0	186.5	**14.5**	*	43.2	194.9	**14.6**	*	47.8	200.8	**14.4**		51.9	204.7	**13.5**								130
95	110	140	23.0	154.9	**11.2**	*	30.6	171.3	**13.5**	*	36.7	182.5	**13.7**		41.9	190.4	**12.9**		46.5	195.7	**12.1**								140
95	110	141																					50.0	198.0	**11.1**		141
95	110	150					21.0	149.6	**11.2**	*	29.1	166.4	**12.4**		35.3	177.4	**11.6**		40.5	184.8	**10.9**		45.1	189.6	**10.1**		150
95	110	160									18.7	142.6	**11.2**		27.3	160.2	**10.5**		33.7	171.1	**9.8**		38.9	178.1	**9.1**		160
95	110	170													15.8	133.5	**9.6**		25.2	152.6	**8.9**		31.8	163.4	**8.3**		170
95	110	180																	11.7	120.7	**8.1**		22.6	143.0	**7.5**		180
95	120	50	75.0	248.1	**22.7**	*																							50
95	120	60	71.0	244.9	**22.7**	*																							60
95	120	70	67.0	240.9	**20.0**	*																							70
95	120	71					70.0	243.1	**21.5**	*																			71
95	120	80	62.8	236.0	**18.1**	*	66.3	239.3	**19.4**	*																			80
95	120	90	58.4	230.1	**16.6**	*	62.0	234.2	**17.5**	*																			90
95	120	91									65.0	236.3	**18.6**	*															91
95	120	100	53.8	223.2	**15.4**	*	57.6	228.2	**16.0**	*	61.3	231.7	**17.0**	*															100
95	120	110	49.0	214.9	**14.4**	*	53.0	221.0	**14.8**	*	56.8	225.4	**15.5**	*															110
95	120	111													60.0	227.7	**16.3**	*											111
95	120	120	43.7	205.0	**13.7**	*	48.1	212.5	**13.9**	*	52.1	218.0	**14.3**	*	55.9	221.8	**15.1**	*											120
95	120	130	37.8	193.0	**13.2**	*	42.7	202.3	**13.2**	*	47.1	209.2	**13.4**	*	51.1	214.1	**13.9**	*	55.0	217.5	**13.2**								130

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle 90 Degrees Jib Angle (deg)	90 Degrees Tip Height (ft)	90 Degrees Capacity (kips)		85 Degrees Jib Angle (deg)	85 Degrees Tip Height (ft)	85 Degrees Capacity (kips)		80 Degrees Jib Angle (deg)	80 Degrees Tip Height (ft)	80 Degrees Capacity (kips)		75 Degrees Jib Angle (deg)	75 Degrees Tip Height (ft)	75 Degrees Capacity (kips)		70 Degrees Jib Angle (deg)	70 Degrees Tip Height (ft)	70 Degrees Capacity (kips)		65 Degrees Jib Angle (deg)	65 Degrees Tip Height (ft)	65 Degrees Capacity (kips)		Load Radius (ft)
95	120	140	30.9	177.8	**11.6**	*	36.6	189.8	**12.7**	*	41.6	198.6	**12.7**	*	46.1	205.0	**12.6**		50.0	209.3	**11.8**						140
95	120	148																					50.0	205.6	**10.1**		148
95	120	150	22.2	156.8	**9.6**	*	29.6	173.8	**11.7**	*	35.4	185.6	**12.2**		40.4	194.0	**11.4**		44.9	199.8	**10.6**		48.8	203.5	**9.8**		150
95	120	160					20.3	151.3	**9.7**	*	28.1	168.8	**11.0**		34.1	180.4	**10.3**		39.1	188.3	**9.6**		43.5	193.5	**8.9**		160
95	120	170									18.0	144.2	**9.7**	*	26.4	162.5	**9.3**		32.5	173.9	**8.7**		37.5	181.4	**8.0**		170
95	120	180													15.2	134.8	**8.5**		24.3	154.7	**7.9**		30.6	166.1	**7.2**		180
95	120	190																	11.3	121.6	**7.1**		21.8	144.9	**6.6**		190
95	130	53	75.0	257.8	**22.7**	*																					53
95	130	60	72.3	255.5	**21.1**	*																					60
95	130	70	68.5	251.8	**18.9**	*																					70
95	130	74					70.0	252.5	**19.5**	*																	74
95	130	80	64.6	247.2	**17.0**	*	67.8	250.2	**18.3**	*																	80
95	130	90	60.6	241.8	**15.5**	*	63.9	245.5	**16.5**	*																	90
95	130	95									65.0	245.4	**16.7**	*													95
95	130	100	56.4	235.5	**14.3**	*	59.9	240.0	**15.0**	*	63.2	243.1	**16.0**	*													100
95	130	110	52.0	228.0	**13.3**	*	55.7	233.5	**13.8**	*	59.1	237.3	**14.6**	*													110
95	130	116													60.0	236.4	**14.6**	*									116
95	130	120	47.3	219.2	**12.5**	*	51.2	225.8	**12.8**	*	54.9	230.6	**13.3**	*	58.3	233.8	**14.1**	*									120
95	130	130	42.2	208.8	**11.9**	*	46.4	216.8	**12.1**	*	50.4	222.7	**12.4**	*	54.0	226.9	**13.0**	*									130
95	130	135																	55.0	225.7	**12.1**						135
95	130	140	36.5	196.2	**11.5**	*	41.3	206.0	**11.5**	*	45.5	213.4	**11.6**	*	49.4	218.7	**12.0**	*	53.0	222.3	**11.5**						140
95	130	150	29.9	180.4	**9.9**	*	35.4	192.9	**11.0**	*	40.2	202.3	**11.1**	*	44.5	209.1	**11.1**		48.4	213.8	**10.3**						150
95	130	154																					50.0	213.3	**9.2**		154
95	130	160	21.4	158.7	**8.2**	*	28.6	176.3	**10.0**	*	34.3	188.7	**10.6**	*	39.1	197.5	**10.0**		43.3	203.8	**9.3**		47.1	207.8	**8.6**		160
95	130	170					19.6	153.0	**8.3**	*	27.2	171.2	**9.8**		33.0	183.3	**9.1**		37.8	191.7	**8.4**		42.0	197.4	**7.7**		170
95	130	180									17.4	145.6	**8.3**	*	25.5	164.7	**8.2**		31.4	176.7	**7.6**		36.3	184.7	**7.0**		180
95	130	190													14.7	136.0	**7.5**		23.5	156.7	**6.9**		29.6	168.7	**6.3**		190
95	130	200																	10.9	122.5	**6.2**		21.1	146.7	**5.7**		200
95	140	55	75.0	267.5	**21.0**	*																					55
95	140	60	73.3	266.0	**19.8**	*																					60
95	140	70	69.8	262.5	**17.7**	*																					70
95	140	78					70.0	261.9	**17.6**	*																	78
95	140	80	66.2	258.3	**15.9**	*	69.2	261.0	**17.2**	*																	80
95	140	90	62.5	253.3	**14.4**	*	65.6	256.7	**15.5**	*																	90

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle 90 Degrees Jib Angle (deg)	90 Degrees Tip Height (ft)	90 Degrees Capacity (kips)		85 Degrees Jib Angle (deg)	85 Degrees Tip Height (ft)	85 Degrees Capacity (kips)		80 Degrees Jib Angle (deg)	80 Degrees Tip Height (ft)	80 Degrees Capacity (kips)		75 Degrees Jib Angle (deg)	75 Degrees Tip Height (ft)	75 Degrees Capacity (kips)		70 Degrees Jib Angle (deg)	70 Degrees Tip Height (ft)	70 Degrees Capacity (kips)		65 Degrees Jib Angle (deg)	65 Degrees Tip Height (ft)	65 Degrees Capacity (kips)		Load Radius (ft)
95	140	100	58.6	247.5	**13.3**	*	61.8	251.5	**14.0**	*	65.0	254.4	**15.0**	*													100
95	140	110	54.6	240.6	**12.3**	*	57.9	245.5	**12.8**	*	61.1	249.0	**13.6**	*													110
95	140	120	50.3	232.7	**11.5**	*	53.9	238.5	**11.8**	*	57.2	242.8	**12.4**	*													120
95	140	121													60.0	245.1	**13.1**	*									121
95	140	130	45.8	223.5	**10.8**	*	49.6	230.4	**11.0**	*	53.1	235.6	**11.4**	*	56.4	239.2	**12.1**	*									130
95	140	140	40.9	212.5	**10.3**	*	45.0	220.9	**10.4**	*	48.8	227.2	**10.7**	*	52.2	231.8	**11.1**	*									140
95	140	141																	55.0	233.9	**11.1**						141
95	140	150	35.4	199.4	**9.3**	*	40.0	209.6	**9.9**	*	44.1	217.4	**10.0**	*	47.8	223.1	**10.3**	*	51.3	227.1	**10.1**						150
95	140	160	29.0	182.9	**8.0**	*	34.3	196.0	**9.6**	*	39.0	205.8	**9.5**	*	43.1	213.0	**9.7**	*	46.8	218.1	**9.0**		50.0	221.0	**8.3**		160
95	140	170	20.8	160.5	**6.6**	*	27.7	178.8	**8.3**	*	33.2	191.6	**9.2**	*	37.9	200.9	**8.8**		42.0	207.6	**8.1**		45.6	212.0	**7.5**		170
95	140	180					19.0	154.6	**6.7**	*	26.3	173.5	**8.6**	*	31.9	186.1	**8.0**		36.6	195.0	**7.3**		40.7	201.0	**6.7**		180
95	140	190									16.9	147.1	**6.8**	*	24.7	166.9	**7.2**		30.5	179.4	**6.6**		35.2	187.8	**6.0**		190
95	140	200													14.3	137.2	**6.6**		22.8	158.7	**6.0**		28.7	171.2	**5.4**		200
95	140	210																	10.6	123.3	**5.4**		20.4	148.4	**4.9**		210
95	150	58	75.0	277.1	**19.0**	*																					58
95	150	60	74.3	276.5	**18.5**	*																					60
95	150	70	71.0	273.2	**16.5**	*																					70
95	150	80	67.6	269.2	**14.8**	*																					80
95	150	81					70.0	271.3	**15.9**	*																	81
95	150	90	64.1	264.6	**13.4**	*	67.0	267.7	**14.5**	*																	90
95	150	100	60.5	259.2	**12.3**	*	63.5	262.9	**13.0**	*																	100
95	150	104									65.0	263.5	**13.5**	*													104
95	150	110	56.8	252.9	**11.3**	*	59.9	257.3	**11.8**	*	62.8	260.4	**12.7**	*													110
95	150	120	52.9	245.6	**10.5**	*	56.2	250.9	**10.9**	*	59.2	254.7	**11.5**	*													120
95	150	126													60.0	253.7	**11.6**	*									126
95	150	130	48.8	237.2	**9.8**	*	52.2	243.4	**10.1**	*	55.4	248.0	**10.5**	*	58.5	251.2	**11.2**	*									130
95	150	140	44.4	227.5	**9.3**	*	48.1	234.8	**9.4**	*	51.5	240.4	**9.8**	*	54.7	244.4	**10.3**	*									140
95	150	147																	55.0	242.1	**10.1**						147
95	150	150	39.7	216.1	**8.4**	*	43.6	224.9	**8.9**	*	47.3	231.6	**9.1**	*	50.7	236.5	**9.5**	*	53.8	239.8	**9.8**						150
95	150	160	34.3	202.4	**7.0**	*	38.8	213.1	**8.5**	*	42.8	221.3	**8.6**	*	46.4	227.4	**8.8**	*	49.7	231.7	**8.8**						160
95	150	167																					50.0	228.6	**7.4**		167
95	150	170	28.1	185.4	**4.6**	*	33.3	198.9	**7.0**	*	37.8	209.2	**8.2**	*	41.8	216.8	**8.3**	*	45.4	222.3	**7.9**		48.7	225.9	**7.2**		170
95	150	180	20.2	162.2	**2.4**	*	26.9	181.1	**4.6**	*	32.2	194.5	**7.0**	*	36.8	204.2	**7.7**		40.7	211.3	**7.1**		44.3	216.1	**6.4**		180
95	150	190					18.4	156.2	**2.5**	*	25.5	175.7	**4.7**	*	31.0	188.9	**7.0**	*	35.6	198.2	**6.4**		39.5	204.6	**5.8**		190
95	150	200									16.4	148.4	**2.4**	*	24.0	169.0	**4.6**	*	29.6	182.0	**5.7**		34.1	190.8	**5.2**		200

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
95	150	210													13.8	138.3	**2.3**	*	22.1	160.6	**4.5**	*	27.9	173.6	**4.6**						210
95	150	220																	10.2	124.2	**2.1**	*	19.8	150.1	**4.1**						220
105	80	40	75.0	219.5	**22.7**	*																									40
105	80	50	69.4	215.9	**22.7**	*																									50
105	80	58					70.0	215.5	**22.7**	*																					58
105	80	60	63.8	211.3	**22.7**	*	68.9	214.7	**22.7**	*																					60
105	80	70	57.9	205.4	**22.7**	*	63.3	210.0	**22.7**	*																					70
105	80	76									65.0	209.9	**22.7**	*																	76
105	80	80	51.5	198.0	**22.1**	*	57.3	204.0	**22.7**	*	62.7	207.8	**22.7**	*																	80
105	80	90	44.4	188.5	**20.2**	*	50.9	196.4	**22.1**	*	56.7	201.7	**22.7**	*																	90
105	80	93													60.0	202.8	**22.7**	*													93
105	80	100	36.3	176.2	**17.9**	*	43.8	186.7	**20.0**	*	50.2	193.9	**21.8**	*	56.0	198.5	**21.2**														100
105	80	110	26.1	158.8	**16.0**	*	35.6	174.1	**17.7**	*	43.1	184.0	**19.7**	*	49.5	190.5	**18.7**		55.0	194.1	**17.5**										110
105	80	120	5.4	119.9	**12.1**	*	25.0	156.0	**15.9**	*	34.7	171.0	**17.5**	*	42.2	180.3	**16.6**		48.5	186.0	**15.6**										120
105	80	126																					50.0	184.1	**13.6**						126
105	80	130									23.7	152.1	**15.8**	*	33.6	166.8	**14.9**		41.1	175.4	**13.9**		47.3	180.5	**13.0**						130
105	80	140													22.1	146.7	**13.4**		32.2	161.3	**12.6**		39.7	169.4	**11.7**						140
105	80	150																	20.0	139.6	**11.4**		30.5	154.4	**10.6**						150
105	80	160																					17.0	130.2	**9.6**						160
105	90	42	75.0	229.2	**22.7**	*																									42
105	90	50	71.2	226.6	**22.7**	*																									50
105	90	60	66.1	222.5	**22.7**	*																									60
105	90	61					70.0	224.9	**22.7**	*																					61
105	90	70	60.8	217.2	**22.7**	*	65.6	221.2	**22.7**	*																					70
105	90	80	55.2	210.6	**21.7**	*	60.3	215.8	**22.7**	*	65.0	219.0	**22.7**	*																	80
105	90	90	49.1	202.5	**20.3**	*	54.7	209.2	**21.0**	*	59.8	213.6	**22.3**	*																	90
105	90	98													60.0	211.4	**21.3**														98
105	90	100	42.5	192.4	**19.3**	*	48.6	200.9	**19.6**	*	54.1	206.8	**20.3**	*	59.1	210.5	**20.9**														100
105	90	110	34.7	179.3	**17.5**	*	41.8	190.5	**18.6**	*	48.0	198.3	**19.0**	*	53.4	203.5	**18.4**														110
105	90	116																	55.0	202.3	**16.0**										116
105	90	120	24.9	160.9	**15.0**	*	34.0	177.1	**17.3**	*	41.1	187.7	**17.4**		47.2	194.8	**16.3**		52.6	199.2	**15.3**										120
105	90	130	5.1	120.2	**10.5**	*	23.9	158.0	**15.3**	*	33.1	173.9	**15.6**		40.3	183.9	**14.6**		46.3	190.3	**13.7**										130
105	90	132																					50.0	191.7	**12.4**						132
105	90	140									22.6	154.0	**14.1**		32.1	169.6	**13.2**		39.2	179.0	**12.3**		45.2	184.6	**11.4**						140

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																												Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees								
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)						
105	90	150													21.1	148.5	**11.9**		30.8	164.0	**11.1**		37.9	172.8	**10.3**						150
105	90	160																	19.1	141.2	**10.1**		29.1	157.0	**9.3**						160
105	90	170																					16.2	131.5	**8.5**						170
105	100	45	75.0	238.8	**22.7**	*																									45
105	100	50	72.7	237.2	**22.7**	*																									50
105	100	60	68.0	233.4	**22.7**	*																									60
105	100	65					70.0	234.3	**22.7**	*																					65
105	100	70	63.2	228.6	**22.1**	*	67.6	232.2	**22.7**	*																					70
105	100	80	58.2	222.8	**20.3**	*	62.8	227.3	**21.6**	*																					80
105	100	84									65.0	228.0	**22.3**	*																	84
105	100	90	52.9	215.6	**18.8**	*	57.7	221.4	**19.6**	*	62.3	225.2	**21.1**	*																	90
105	100	100	47.1	206.9	**17.7**	*	52.4	214.1	**18.2**	*	57.2	219.1	**19.2**	*																	100
105	100	103													60.0	220.1	**19.7**														103
105	100	110	40.7	196.1	**17.0**	*	46.6	205.2	**17.1**	*	51.8	211.6	**17.7**	*	56.6	215.9	**18.1**														110
105	100	120	33.3	182.2	**15.7**	*	40.1	194.1	**16.3**	*	46.0	202.6	**16.6**	*	51.2	208.3	**16.1**														120
105	100	122																	55.0	210.5	**14.7**										122
105	100	130	23.9	163.0	**13.0**	*	32.6	180.0	**15.9**	*	39.4	191.3	**15.3**		45.3	199.0	**14.4**		50.4	203.9	**13.4**										130
105	100	139																					50.0	199.4	**11.3**						139
105	100	140					22.9	160.0	**13.2**	*	31.8	176.7	**13.8**		38.6	187.4	**12.9**		44.4	194.3	**12.0**		49.4	198.5	**11.1**						140
105	100	150									21.7	155.8	**12.5**		30.8	172.3	**11.7**		37.6	182.3	**10.8**		43.3	188.5	**10.0**						150
105	100	160													20.2	150.2	**10.6**		29.5	166.6	**9.8**		36.3	176.0	**9.0**						160
105	100	170																	18.3	142.8	**8.9**		27.9	159.4	**8.2**						170
105	100	180																					15.6	132.8	**7.4**						180
105	110	47	75.0	248.5	**22.7**	*																									47
105	110	50	73.9	247.7	**22.7**	*																									50
105	110	60	69.6	244.2	**22.7**	*																									60
105	110	68					70.0	243.7	**22.7**	*																					68
105	110	70	65.3	239.9	**20.8**	*	69.3	243.0	**22.7**	*																					70
105	110	80	60.7	234.5	**19.0**	*	64.9	238.6	**20.4**	*																					80
105	110	89									65.0	237.1	**20.2**	*																	89
105	110	90	55.9	228.1	**17.5**	*	60.3	233.2	**18.4**	*	64.4	236.5	**19.9**	*																	90
105	110	100	50.8	220.3	**16.4**	*	55.5	226.6	**17.0**	*	59.8	230.9	**18.1**	*																	100
105	110	108													60.0	228.7	**17.9**	*													108
105	110	110	45.3	211.0	**15.5**	*	50.3	218.8	**15.8**	*	55.0	224.3	**16.5**	*	59.3	227.8	**17.7**	*													110

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	
105	110	120	39.1	199.6	**14.9**	*	44.8	209.3	**15.0**	*	49.8	216.3	**15.4**	*	54.4	221.0	**15.8**									120
105	110	127																	55.0	218.7	**13.5**					127
105	110	130	32.0	185.0	**13.5**	*	38.6	197.6	**14.3**	*	44.2	206.6	**14.5**	*	49.2	212.8	**14.1**		53.7	216.8	**13.1**					130
105	110	140	23.0	164.9	**11.2**	*	31.3	182.7	**13.7**	*	37.9	194.7	**13.6**		43.5	202.9	**12.6**		48.4	208.4	**11.7**					140
105	110	145																					50.0	207.1	**10.2**	145
105	110	150					22.0	161.9	**11.4**	*	30.6	179.4	**12.3**		37.1	190.7	**11.4**		42.7	198.2	**10.5**		47.5	202.8	**9.7**	150
105	110	160									20.9	157.6	**11.1**		29.6	174.9	**10.3**		36.2	185.6	**9.5**		41.6	192.3	**8.8**	160
105	110	170													19.5	151.9	**9.4**		28.4	169.1	**8.6**		35.0	179.1	**7.9**	170
105	110	180																	17.6	144.2	**7.8**		26.9	161.7	**7.2**	180
105	110	190																					15.0	134.0	**6.5**	190
105	120	50	75.0	258.1	**22.7**	*																				50
105	120	60	71.0	254.9	**22.0**	*																				60
105	120	70	67.0	250.9	**19.6**	*																				70
105	120	72					70.0	253.1	**21.1**	*																72
105	120	80	62.8	246.0	**17.8**	*	66.6	249.6	**19.2**	*																80
105	120	90	58.4	240.1	**16.3**	*	62.4	244.7	**17.4**	*																90
105	120	93									65.0	246.2	**18.2**	*												93
105	120	100	53.8	233.2	**15.2**	*	58.0	238.7	**15.9**	*	62.0	242.5	**17.0**	*												100
105	120	110	49.0	224.9	**14.2**	*	53.4	231.6	**14.7**	*	57.6	236.4	**15.5**	*												110
105	120	113													60.0	237.4	**16.1**	*								113
105	120	120	43.7	215.0	**13.5**	*	48.5	223.2	**13.8**	*	53.0	229.2	**14.3**	*	57.1	233.2	**15.2**	*								120
105	120	130	37.8	203.0	**13.0**	*	43.2	213.2	**13.0**	*	48.0	220.7	**13.4**	*	52.4	225.9	**13.8**									130
105	120	133																	55.0	226.9	**12.4**					133
105	120	140	30.9	187.8	**11.6**	*	37.2	200.9	**12.5**	*	42.6	210.5	**12.6**	*	47.4	217.2	**12.4**		51.7	221.6	**11.4**					140
105	120	150	22.2	166.8	**9.6**	*	30.2	185.4	**11.8**	*	36.6	197.9	**12.0**		42.0	206.7	**11.1**		46.7	212.7	**10.3**					150
105	120	152																					50.0	214.7	**9.3**	152
105	120	160					21.2	163.7	**9.8**	*	29.5	182.0	**10.9**		35.8	193.9	**10.1**		41.1	201.9	**9.3**		45.8	207.0	**8.5**	160
105	120	170									20.1	159.3	**9.9**		28.6	177.4	**9.1**		34.9	188.7	**8.4**		40.1	195.9	**7.6**	170
105	120	180													18.8	153.4	**8.3**		27.4	171.4	**7.6**		33.7	182.1	**6.9**	180
105	120	190																	17.0	145.7	**6.9**		25.9	164.0	**6.2**	190
105	120	200																					14.4	135.2	**5.6**	200
105	130	53	75.0	267.8	**22.7**	*																				53
105	130	60	72.3	265.5	**20.6**	*																				60
105	130	70	68.5	261.8	**18.4**	*																				70

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
105	130	75					70.0	262.5	**19.1**	*															75
105	130	80	64.6	257.2	**16.6**	*	68.2	260.5	**18.1**	*															80
105	130	90	60.6	251.8	**15.2**	*	64.3	255.9	**16.3**	*															90
105	130	97									65.0	255.2	**16.4**	*											97
105	130	100	56.4	245.5	**14.0**	*	60.2	250.5	**14.8**	*	63.9	253.8	**16.0**	*											100
105	130	110	52.0	238.0	**13.1**	*	56.0	244.0	**13.6**	*	59.8	248.2	**14.5**	*											110
105	130	118													60.0	246.1	**14.4**	*							118
105	130	120	47.3	229.2	**12.3**	*	51.6	236.5	**12.7**	*	55.6	241.7	**13.3**	*	59.4	245.1	**14.2**	*							120
105	130	130	42.2	218.8	**11.7**	*	46.9	227.6	**11.9**	*	51.2	234.0	**12.3**	*	55.1	238.5	**13.1**	*							130
105	130	139																	55.0	235.1	**11.3**				139
105	130	140	36.5	206.2	**11.3**	*	41.7	217.0	**11.3**	*	46.4	225.0	**11.6**	*	50.6	230.6	**12.0**	*	54.5	234.3	**11.2**				140
105	130	150	29.9	190.4	**9.9**	*	36.0	204.1	**10.9**	*	41.2	214.2	**11.0**	*	45.8	221.4	**10.9**		50.0	226.2	**10.0**				150
105	130	158																					50.0	222.4	**8.4**		158
105	130	160	21.4	168.7	**8.2**	*	29.2	187.9	**10.2**	*	35.4	201.1	**10.5**	*	40.6	210.4	**9.8**		45.1	216.8	**9.0**		49.2	220.8	**8.2**		160
105	130	170					20.5	165.5	**8.4**	*	28.5	184.5	**9.6**		34.6	197.0	**8.9**		39.8	205.5	**8.1**		44.2	211.1	**7.4**		170
105	130	180									19.5	161.0	**8.6**	*	27.6	179.8	**8.0**		33.7	191.6	**7.3**		38.8	199.4	**6.6**		180
105	130	190													18.2	155.0	**7.3**		26.5	173.7	**6.6**		32.6	185.0	**6.0**		190
105	130	200																	16.4	147.0	**6.0**		25.1	166.1	**5.4**		200
105	130	210																					13.9	136.4	**4.8**		210
105	140	55	75.0	277.5	**20.4**	*																			55
105	140	60	73.3	276.0	**19.3**	*																			60
105	140	70	69.8	272.5	**17.3**	*																			70
105	140	79					70.0	271.9	**17.2**	*															79
105	140	80	66.2	268.3	**15.5**	*	69.5	271.3	**17.0**	*															80
105	140	90	62.5	263.3	**14.1**	*	65.9	267.0	**15.3**	*															90
105	140	100	58.6	257.5	**13.0**	*	62.1	262.0	**13.8**	*															100
105	140	101									65.0	264.3	**14.7**	*											101
105	140	110	54.6	250.6	**12.0**	*	58.3	256.1	**12.6**	*	61.8	259.8	**13.6**	*											110
105	140	120	50.3	242.7	**11.2**	*	54.2	249.2	**11.7**	*	57.9	253.8	**12.4**	*											120
105	140	123													60.0	254.7	**12.9**	*							123
105	140	130	45.8	233.5	**10.6**	*	50.0	241.1	**10.9**	*	53.8	246.8	**11.4**	*	57.4	250.6	**12.1**	*							130
105	140	140	40.9	222.5	**10.1**	*	45.4	231.7	**10.2**	*	49.5	238.6	**10.6**	*	53.3	243.5	**11.2**	*							140
105	140	145																	55.0	243.3	**10.3**				145
105	140	150	35.4	209.4	**9.2**	*	40.4	220.6	**9.8**	*	44.9	229.1	**10.0**	*	49.0	235.2	**10.3**	*	52.7	239.2	**9.7**				150
105	140	160	29.0	192.9	**7.9**	*	34.9	207.3	**9.4**	*	39.9	217.8	**9.4**	*	44.4	225.5	**9.6**		48.4	230.7	**8.7**				160

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
105	140	165																					50.0	230.0	**7.5**		165
105	140	170	20.8	170.5	**6.6**	*	28.3	190.4	**8.3**	*	34.3	204.1	**9.1**	*	39.3	213.9	**8.6**		43.7	220.8	**7.8**		47.6	225.2	**7.1**		170
105	140	180					19.9	167.1	**7.0**	*	27.6	186.9	**8.5**		33.6	199.9	**7.8**		38.5	209.0	**7.1**		42.8	215.0	**6.4**		180
105	140	190									18.9	162.6	**7.3**	*	26.8	182.1	**7.1**		32.7	194.5	**6.4**		37.6	202.8	**5.7**		190
105	140	200													17.6	156.5	**6.4**		25.7	176.0	**5.7**		31.6	187.8	**5.1**		200
105	140	210																	15.9	148.4	**5.2**		24.3	168.2	**4.6**		210
105	140	220																					13.5	137.5	**4.1**		220
105	150	58	75.0	287.1	**18.5**	*																					58
105	150	60	74.3	286.5	**18.0**	*																					60
105	150	70	71.0	283.2	**16.1**	*																					70
105	150	80	67.6	279.2	**14.5**	*																					80
105	150	82					70.0	281.3	**15.5**	*																	82
105	150	90	64.1	274.6	**13.1**	*	67.3	278.0	**14.2**	*																	90
105	150	100	60.5	269.2	**12.0**	*	63.8	273.3	**12.9**	*																	100
105	150	106									65.0	273.3	**13.2**	*													106
105	150	110	56.8	262.9	**11.0**	*	60.2	267.8	**11.7**	*	63.5	271.1	**12.6**	*													110
105	150	120	52.9	255.6	**10.2**	*	56.5	261.4	**10.7**	*	59.9	265.6	**11.5**	*													120
105	150	128													60.0	263.4	**11.4**	*									128
105	150	130	48.8	247.2	**9.6**	*	52.6	254.1	**9.9**	*	56.1	259.1	**10.5**	*	59.4	262.4	**11.2**	*									130
105	150	140	44.4	237.5	**9.1**	*	48.5	245.6	**9.3**	*	52.2	251.7	**9.7**	*	55.7	255.9	**10.3**	*									140
105	150	150	39.7	226.1	**8.3**	*	44.0	235.8	**8.7**	*	48.0	243.1	**9.0**	*	51.7	248.3	**9.5**	*	55.0	251.5	**9.4**						150
105	150	160	34.3	212.4	**7.0**	*	39.2	224.2	**8.3**	*	43.6	233.1	**8.5**	*	47.5	239.6	**8.8**	*	51.2	244.0	**8.5**						160
105	150	170	28.1	195.4	**4.6**	*	33.8	210.3	**7.2**	*	38.7	221.3	**8.1**	*	43.1	229.4	**8.3**	*	46.9	235.0	**7.6**						170
105	150	171																					50.0	237.7	**6.7**		171
105	150	180	20.2	172.2	**2.4**	*	27.5	192.8	**4.8**	*	33.3	207.1	**7.4**	*	38.1	217.4	**7.5**		42.4	224.6	**6.8**		46.2	229.5	**6.1**		180
105	150	190					19.3	168.8	**2.6**	*	26.8	189.2	**5.0**	*	32.6	202.8	**6.8**		37.4	212.3	**6.1**		41.6	218.8	**5.4**		190
105	150	200									18.3	164.1	**2.8**	*	26.0	184.4	**5.2**	*	31.7	197.3	**5.5**		36.5	206.1	**4.8**		200
105	150	210													17.1	157.9	**2.9**	*	24.9	178.1	**4.9**		30.7	190.5	**4.3**		210
105	150	220																	15.4	149.7	**2.9**	*	23.6	170.3	**3.9**		220
105	150	230																					13.1	138.6	**2.9**	*	230
115	80	40	75.0	229.5	**22.7**	*																					40
115	80	50	69.4	225.9	**22.7**	*																					50
115	80	59					70.0	225.5	**22.7**	*																	59
115	80	60	63.8	221.3	**22.7**	*	69.4	225.0	**22.7**	*																	60

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																								Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees				
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
115	80	70	57.9	215.4	**22.7**	*	63.8	220.4	**22.7**	*																	70
115	80	78									65.0	219.8	**22.7**	*													78
115	80	80	51.5	208.0	**22.1**	*	57.9	214.5	**22.7**	*	63.7	218.6	**22.7**	*													80
115	80	90	44.4	198.5	**20.2**	*	51.5	207.1	**22.3**	*	57.8	212.7	**22.7**	*													90
115	80	96													60.0	212.4	**21.9**										96
115	80	100	36.3	186.2	**17.8**	*	44.5	197.6	**20.2**	*	51.4	205.2	**21.8**	*	57.6	209.9	**20.8**										100
115	80	110	26.1	168.8	**16.0**	*	36.3	185.3	**17.8**	*	44.4	195.8	**19.6**		51.2	202.4	**18.3**										110
115	80	114																	55.0	203.5	**16.3**						114
115	80	120	5.4	129.9	**12.3**	*	26.1	167.9	**16.0**	*	36.2	183.4	**17.5**		44.1	192.8	**16.3**		50.8	198.4	**15.2**						120
115	80	130					5.4	129.0	**13.6**	*	25.9	165.9	**15.7**		36.0	180.4	**14.6**		43.7	188.8	**13.6**		50.0	193.1	**12.5**		130
115	80	140													25.6	162.6	**13.2**		35.5	176.1	**12.2**		43.0	183.5	**11.3**		140
115	80	150																	24.8	157.9	**11.0**		34.6	170.5	**10.2**		150
115	80	160																					23.7	151.5	**9.2**		160
115	90	42	75.0	239.2	**22.7**	*																					42
115	90	50	71.2	236.6	**22.7**	*																					50
115	90	60	66.1	232.5	**22.7**	*																					60
115	90	62					70.0	234.9	**22.7**	*																	62
115	90	70	60.8	227.2	**22.7**	*	66.1	231.6	**22.7**	*																	70
115	90	80	55.2	220.6	**21.3**	*	60.8	226.3	**22.7**	*																	80
115	90	82									65.0	228.8	**22.7**	*													82
115	90	90	49.1	212.5	**20.0**	*	55.2	219.8	**20.8**	*	60.7	224.5	**22.3**	*													90
115	90	100	42.5	202.4	**19.1**	*	49.1	211.6	**19.4**	*	55.1	217.9	**20.3**	*													100
115	90	101													60.0	221.1	**20.2**										101
115	90	110	34.7	189.3	**17.5**	*	42.5	201.5	**18.4**	*	49.1	209.8	**19.0**	*	54.9	215.1	**18.1**										110
115	90	119																	55.0	211.7	**15.0**						119
115	90	120	24.9	170.9	**15.0**	*	34.7	188.4	**17.5**	*	42.4	199.6	**17.2**		48.9	206.9	**16.0**		54.6	211.2	**14.9**						120
115	90	130	5.1	130.2	**10.6**	*	24.9	170.0	**15.6**	*	34.6	186.5	**15.4**		42.2	196.7	**14.3**		48.5	202.9	**13.3**						130
115	90	137																					50.0	200.8	**11.4**		137
115	90	140					5.2	129.3	**11.8**	*	24.8	168.0	**13.9**		34.4	183.4	**12.9**		41.8	192.5	**11.9**		47.9	197.8	**11.0**		140
115	90	150													24.4	164.7	**11.7**		33.9	179.1	**10.8**		41.1	187.2	**9.9**		150
115	90	160																	23.7	159.9	**9.8**		33.1	173.4	**8.9**		160
115	90	170																					22.6	153.4	**8.1**		170
115	100	45	75.0	248.8	**22.7**	*																					45
115	100	50	72.7	247.2	**22.7**	*																					50

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
115	100	60	68.0	243.4	**22.7**	*																			60
115	100	66					70.0	244.3	**22.7**	*															66
115	100	70	63.2	238.6	**21.7**	*	68.0	242.5	**22.7**	*															70
115	100	80	58.2	232.8	**19.9**	*	63.2	237.8	**21.4**	*															80
115	100	86									65.0	237.9	**22.0**	*											86
115	100	90	52.9	225.6	**18.5**	*	58.2	231.9	**19.5**	*	63.2	235.9	**21.1**	*											90
115	100	100	47.1	216.9	**17.4**	*	52.9	224.7	**18.0**	*	58.1	230.1	**19.2**	*											100
115	100	106													60.0	229.7	**18.7**								106
115	100	110	40.7	206.1	**16.7**	*	47.1	216.0	**16.9**	*	52.8	222.9	**17.6**	*	58.0	227.3	**17.8**								110
115	100	120	33.3	192.2	**15.7**	*	40.7	205.2	**16.1**	*	47.0	214.1	**16.5**	*	52.6	220.0	**15.8**								120
115	100	125																	55.0	219.9	**13.7**				125
115	100	130	23.9	173.0	**13.0**	*	33.3	191.3	**15.7**	*	40.6	203.3	**15.2**		46.8	211.2	**14.1**		52.3	216.1	**13.0**				130
115	100	140					23.9	172.1	**13.4**	*	33.2	189.4	**13.7**		40.4	200.3	**12.6**		46.5	207.2	**11.6**				140
115	100	143																					50.0	208.5	**10.3**		143
115	100	150									23.8	170.1	**12.3**		33.0	186.3	**11.4**		40.0	196.2	**10.5**		45.9	202.1	**9.6**		150
115	100	160													23.4	166.7	**10.3**		32.5	181.9	**9.5**		39.4	190.8	**8.7**		160
115	100	170																	22.8	161.9	**8.6**		31.7	176.2	**7.8**		170
115	100	180																					21.7	155.3	**7.1**		180
115	110	47	75.0	258.5	**22.7**	*																			47
115	110	50	73.9	257.7	**22.7**	*																			50
115	110	60	69.6	254.2	**22.7**	*																			60
115	110	69					70.0	253.7	**22.7**	*															69
115	110	70	65.3	249.9	**20.4**	*	69.7	253.3	**22.7**	*															70
115	110	80	60.7	244.5	**18.6**	*	65.3	249.0	**20.2**	*															80
115	110	90	55.9	238.1	**17.2**	*	60.7	243.6	**18.3**	*	65.0	246.9	**19.8**	*											90
115	110	100	50.8	230.3	**16.1**	*	55.9	237.2	**16.8**	*	60.6	241.8	**18.1**	*											100
115	110	110	45.3	221.0	**15.2**	*	50.8	229.5	**15.7**	*	55.8	235.4	**16.5**	*											110
115	110	111													60.0	238.4	**17.3**								111
115	110	120	39.1	209.6	**14.6**	*	45.3	220.1	**14.8**	*	50.7	227.6	**15.3**	*	55.7	232.5	**15.5**								120
115	110	130	32.0	195.0	**13.5**	*	39.1	208.7	**14.1**	*	45.2	218.3	**14.4**	*	50.6	224.7	**13.8**								130
115	110	131																	55.0	228.1	**12.6**				131
115	110	140	23.0	174.9	**11.2**	*	32.0	194.2	**13.8**	*	39.1	206.8	**13.4**		45.0	215.3	**12.4**		50.3	220.8	**11.4**				140
115	110	150					23.0	174.1	**11.6**	*	31.9	192.2	**12.1**		38.9	203.8	**11.2**		44.7	211.3	**10.2**		50.0	216.1	**9.3**		150
115	110	160									22.9	172.0	**11.0**		31.7	189.1	**10.1**		38.5	199.6	**9.2**		44.2	206.1	**8.4**		160
115	110	170													22.5	168.7	**9.2**		31.3	184.7	**8.3**		37.9	194.2	**7.5**		170

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																										Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees						
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)				
115	110	180																	21.9	163.7	**7.6**		30.5	178.9	**6.8**		180
115	110	190																					20.8	157.0	**6.2**		190
115	120	50	75.0	268.1	**22.7**	*																							50
115	120	60	71.0	264.9	**21.4**	*																							60
115	120	70	67.0	260.9	**19.2**	*																							70
115	120	73					70.0	263.0	**20.6**	*																			73
115	120	80	62.8	256.0	**17.4**	*	67.0	260.0	**19.0**	*																			80
115	120	90	58.4	250.1	**16.0**	*	62.8	255.1	**17.2**	*																			90
115	120	95									65.0	256.0	**17.9**	*															95
115	120	100	53.8	243.2	**14.9**	*	58.4	249.2	**15.7**	*	62.7	253.3	**17.0**	*															100
115	120	110	49.0	234.9	**13.9**	*	53.8	242.3	**14.5**	*	58.4	247.4	**15.5**	*															110
115	120	116													60.0	247.1	**15.9**	*											116
115	120	120	43.7	225.0	**13.2**	*	49.0	234.0	**13.6**	*	53.8	240.4	**14.2**	*	58.2	244.6	**15.2**												120
115	120	130	37.8	213.0	**12.8**	*	43.7	224.1	**12.8**	*	48.9	232.1	**13.3**	*	53.6	237.6	**13.5**												130
115	120	136																	55.0	236.3	**11.5**								136
115	120	140	30.9	197.8	**11.6**	*	37.8	212.1	**12.3**	*	43.6	222.2	**12.5**	*	48.7	229.3	**12.1**		53.4	233.7	**11.1**								140
115	120	150	22.2	176.8	**9.6**	*	30.9	196.9	**12.0**	*	37.7	210.2	**11.9**		43.4	219.3	**10.9**		48.5	225.3	**9.9**								150
115	120	156																					50.0	223.8	**8.4**		156
115	120	160					22.2	176.0	**10.0**	*	30.8	194.9	**10.7**		37.5	207.1	**9.8**		43.1	215.2	**8.9**		48.0	220.2	**8.1**		160
115	120	170									22.1	173.9	**9.7**		30.6	191.8	**8.9**		37.1	202.9	**8.1**		42.6	210.0	**7.3**		170
115	120	180													21.7	170.5	**8.1**		30.2	187.3	**7.3**		36.6	197.4	**6.5**		180
115	120	190																	21.1	165.5	**6.6**		29.4	181.4	**5.9**		190
115	120	200																					20.1	158.8	**5.3**		200
115	130	53	75.0	277.8	**21.9**	*																							53
115	130	60	72.3	275.5	**20.1**	*																							60
115	130	70	68.5	271.8	**18.0**	*																							70
115	130	76					70.0	272.4	**18.6**	*																			76
115	130	80	64.6	267.2	**16.2**	*	68.5	270.9	**17.9**	*																			80
115	130	90	60.6	261.8	**14.9**	*	64.6	266.3	**16.1**	*																			90
115	130	99									65.0	265.1	**16.1**	*															99
115	130	100	56.4	255.5	**13.7**	*	60.6	260.9	**14.6**	*	64.6	264.5	**15.9**	*															100
115	130	110	52.0	248.0	**12.8**	*	56.4	254.6	**13.4**	*	60.6	259.1	**14.5**	*															110
115	130	120	47.3	239.2	**12.0**	*	52.0	247.1	**12.5**	*	56.4	252.8	**13.2**	*															120
115	130	121													60.0	255.7	**14.2**	*											121

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																										Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees						
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)				
115	130	130	42.2	228.8	**11.5**	*	47.3	238.4	**11.7**	*	52.0	245.3	**12.3**	*	56.2	249.9	**13.1**	*											130
115	130	140	36.5	216.2	**11.1**	*	42.2	227.9	**11.1**	*	47.2	236.5	**11.5**	*	51.8	242.4	**11.8**												140
115	130	142																	55.0	244.5	**10.5**								142
115	130	150	29.9	200.4	**9.9**	*	36.5	215.3	**10.7**	*	42.1	226.1	**10.9**	*	47.1	233.6	**10.6**		51.6	238.5	**9.7**								150
115	130	160	21.4	178.7	**8.2**	*	29.9	199.5	**10.3**	*	36.4	213.4	**10.4**	*	42.0	223.1	**9.6**		46.8	229.6	**8.7**								160
115	130	162																					50.0	231.4	**7.6**				162
115	130	170					21.4	177.8	**8.6**	*	29.8	197.5	**9.5**		36.3	210.4	**8.6**		41.7	219.0	**7.8**		46.4	224.5	**7.0**				170
115	130	180									21.3	175.7	**8.6**		29.6	194.4	**7.8**		35.9	206.1	**7.0**		41.2	213.7	**6.3**				180
115	130	190													21.0	172.3	**7.1**		29.2	189.9	**6.4**		35.3	200.6	**5.6**				190
115	130	200																	20.4	167.3	**5.7**		28.5	183.9	**5.1**				200
115	130	210																					19.4	160.4	**4.5**				210
115	140	55	75.0	287.5	**19.9**	*																							55
115	140	60	73.3	286.0	**18.8**	*																							60
115	140	70	69.8	282.5	**16.8**	*																							70
115	140	79					70.0	281.8	**16.8**	*																			79
115	140	80	66.2	278.3	**15.1**	*	69.8	281.6	**16.7**	*																			80
115	140	90	62.5	273.3	**13.8**	*	66.2	277.4	**15.0**	*																			90
115	140	100	58.6	267.5	**12.7**	*	62.5	272.4	**13.6**	*																			100
115	140	103									65.0	274.1	**14.4**	*															103
115	140	110	54.6	260.6	**11.7**	*	58.6	266.6	**12.4**	*	62.4	270.6	**13.5**	*															110
115	140	120	50.3	252.7	**11.0**	*	54.6	259.8	**11.5**	*	58.6	264.7	**12.3**	*															120
115	140	126													60.0	264.4	**12.6**	*											126
115	140	130	45.8	243.5	**10.3**	*	50.3	251.8	**10.7**	*	54.5	257.9	**11.3**	*	58.5	261.9	**12.2**	*											130
115	140	140	40.9	232.5	**9.9**	*	45.8	242.6	**10.1**	*	50.3	250.0	**10.5**	*	54.4	255.1	**11.2**	*											140
115	140	148																	55.0	252.7	**9.6**								148
115	140	150	35.4	219.4	**9.0**	*	40.9	231.6	**9.6**	*	45.7	240.7	**9.8**	*	50.2	247.1	**10.3**		54.2	251.2	**9.4**								150
115	140	160	29.0	202.9	**7.8**	*	35.4	218.5	**9.2**	*	40.8	229.8	**9.3**	*	45.6	237.8	**9.3**		49.9	243.2	**8.4**								160
115	140	169																					50.0	239.1	**6.8**				169
115	140	170	20.8	180.5	**6.6**	*	29.0	202.0	**8.2**	*	35.3	216.6	**8.9**	*	40.7	226.8	**8.4**		45.3	233.8	**7.5**		49.5	238.1	**6.7**				170
115	140	180					20.8	179.6	**7.0**	*	28.9	200.1	**8.4**		35.1	213.5	**7.6**		40.4	222.6	**6.8**		44.9	228.6	**6.0**				180
115	140	190									20.7	177.5	**7.4**	*	28.7	196.9	**6.9**		34.8	209.2	**6.1**		39.9	217.3	**5.4**				190
115	140	200													20.4	174.0	**6.2**		28.3	192.4	**5.5**		34.2	203.6	**4.8**				200
115	140	210																	19.8	169.0	**4.9**		27.6	186.3	**4.3**				210
115	140	220																					18.8	162.0	**3.8**				220

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
115	150	58	75.0	297.1	**17.9**	*																				58
115	150	60	74.3	296.5	**17.5**	*																				60
115	150	70	71.0	293.2	**15.7**	*																				70
115	150	80	67.6	289.2	**14.1**	*																				80
115	150	83					70.0	291.2	**15.1**	*																83
115	150	90	64.1	284.6	**12.7**	*	67.6	288.4	**14.0**	*																90
115	150	100	60.5	279.2	**11.6**	*	64.1	283.7	**12.6**	*																100
115	150	107									65.0	283.2	**12.9**	*												107
115	150	110	56.8	272.9	**10.7**	*	60.5	278.3	**11.5**	*	64.1	281.9	**12.5**	*												110
115	150	120	52.9	265.6	**10.0**	*	56.8	272.0	**10.5**	*	60.5	276.4	**11.4**	*												120
115	150	130	48.8	257.2	**9.3**	*	52.9	264.7	**9.8**	*	56.8	270.2	**10.4**	*												130
115	150	131													60.0	273.0	**11.2**	*								131
115	150	140	44.4	247.5	**8.8**	*	48.8	256.4	**9.1**	*	52.9	262.9	**9.6**	*	56.7	267.3	**10.3**	*								140
115	150	150	39.7	236.1	**8.1**	*	44.4	246.6	**8.6**	*	48.8	254.5	**8.9**	*	52.8	260.0	**9.5**	*								150
115	150	154																	55.0	260.9	**8.7**					154
115	150	160	34.3	222.4	**6.9**	*	39.7	235.2	**8.1**	*	44.4	244.8	**8.4**	*	48.6	251.6	**8.8**	*	52.5	256.1	**8.1**					160
115	150	170	28.1	205.4	**4.6**	*	34.3	221.5	**7.4**	*	39.6	233.3	**7.9**	*	44.2	241.8	**8.1**		48.4	247.7	**7.3**					170
115	150	175																					50.0	246.8	**6.0**	175
115	150	180	20.2	182.2	**2.4**	*	28.1	204.5	**5.0**	*	34.3	219.6	**7.6**	*	39.5	230.3	**7.3**		44.0	237.8	**6.5**		48.0	242.6	**5.7**	180
115	150	190					20.2	181.3	**2.8**	*	28.0	202.5	**5.4**	*	34.1	216.6	**6.6**		39.2	226.2	**5.8**		43.6	232.6	**5.1**	190
115	150	200									20.1	179.2	**3.2**	*	27.8	199.3	**5.8**	*	33.8	212.2	**5.2**		38.7	220.8	**4.5**	200
115	150	210													19.8	175.7	**3.5**	*	27.4	194.8	**4.7**		33.2	206.6	**4.0**	210
115	150	220																	19.2	170.6	**3.7**	*	26.8	188.7	**3.5**	220
115	150	230																					18.3	163.6	**3.1**	230
125	80	40	75.0	239.5	**22.7**	*																				40
125	80	50	69.4	235.9	**22.7**	*																				50
125	80	60	63.8	231.3	**22.7**	*	70.0	235.4	**22.7**	*																60
125	80	70	57.9	225.4	**22.7**	*	64.3	230.8	**22.7**	*																70
125	80	79									65.0	229.6	**22.7**	*												79
125	80	80	51.5	218.0	**22.1**	*	58.4	225.1	**22.7**	*	64.7	229.4	**22.7**	*												80
125	80	90	44.4	208.5	**20.2**	*	52.1	217.8	**22.1**	*	58.8	223.7	**22.7**	*												90
125	80	99													60.0	222.1	**20.8**									99
125	80	100	36.3	196.2	**17.8**	*	45.1	208.5	**20.4**	*	52.6	216.5	**21.7**	*	59.2	221.2	**20.4**									100
125	80	110	26.1	178.8	**16.0**	*	37.1	196.5	**18.0**	*	45.7	207.4	**19.4**		52.9	214.2	**18.0**									110
125	80	117																	55.0	212.9	**15.2**					117

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
125	80	120	5.4	139.9	**12.4**	*	27.1	179.7	**16.2**	*	37.8	195.7	**17.3**		46.1	205.2	**16.0**		53.1	210.7	**14.7**						120
125	80	130					9.6	147.0	**14.2**	*	28.0	179.4	**15.5**		38.2	193.6	**14.3**		46.2	201.8	**13.2**						130
125	80	134																					50.0	202.2	**11.5**		134
125	80	140									11.9	149.7	**14.0**		28.6	177.7	**12.9**		38.5	190.3	**11.8**		46.2	197.1	**10.8**		140
125	80	150													13.4	149.6	**11.7**		28.9	174.5	**10.7**		38.4	185.5	**9.8**		150
125	80	160																	14.0	147.1	**9.7**		28.8	169.7	**8.8**		160
125	80	170																					13.8	142.1	**8.0**		170
125	90	42	75.0	249.2	**22.7**	*																					42
125	90	50	71.2	246.6	**22.7**	*																					50
125	90	60	66.1	242.5	**22.7**	*																					60
125	90	63					70.0	244.8	**22.7**	*																	63
125	90	70	60.8	237.2	**22.7**	*	66.5	242.0	**22.7**	*																	70
125	90	80	55.2	230.6	**21.0**	*	61.3	236.8	**22.7**	*																	80
125	90	84									65.0	238.7	**22.7**	*													84
125	90	90	49.1	222.5	**19.7**	*	55.7	230.4	**20.6**	*	61.7	235.3	**22.4**	*													90
125	90	100	42.5	212.4	**18.7**	*	49.7	222.4	**19.2**	*	56.1	229.0	**20.3**	*													100
125	90	104													60.0	230.7	**19.2**										104
125	90	110	34.7	199.3	**17.5**	*	43.1	212.4	**18.2**	*	50.2	221.2	**18.9**	*	56.4	226.6	**17.7**										110
125	90	120	24.9	180.9	**15.0**	*	35.5	199.7	**17.6**	*	43.6	211.4	**17.0**		50.5	218.9	**15.7**										120
125	90	123																	55.0	221.1	**14.0**						123
125	90	130	5.1	140.2	**10.8**	*	25.9	182.0	**15.8**	*	36.1	198.9	**15.2**		44.0	209.2	**14.1**		50.7	215.4	**12.9**						130
125	90	140					9.1	147.7	**12.4**	*	26.7	181.7	**13.7**		36.5	196.9	**12.6**		44.2	205.8	**11.6**						140
125	90	141																					50.0	209.9	**10.4**		141
125	90	150									11.4	150.6	**12.4**		27.3	180.0	**11.4**		36.7	193.5	**10.4**		44.1	201.1	**9.5**		150
125	90	160													12.7	150.7	**10.4**		27.6	176.9	**9.4**		36.7	188.8	**8.5**		160
125	90	170																	13.3	148.2	**8.6**		27.5	172.1	**7.7**		170
125	90	180																					13.1	143.2	**7.0**		180
125	100	45	75.0	258.8	**22.7**	*																					45
125	100	50	72.7	257.2	**22.7**	*																					50
125	100	60	68.0	253.4	**22.7**	*																					60
125	100	67					70.0	254.2	**22.7**	*																	67
125	100	70	63.2	248.6	**21.3**	*	68.4	252.9	**22.7**	*																	70
125	100	80	58.2	242.8	**19.5**	*	63.6	248.2	**21.2**	*																	80
125	100	88									65.0	247.7	**21.6**	*													88

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
125	100	90	52.9	235.6	**18.2**	*	58.6	242.4	**19.2**	*	64.0	246.7	**21.1**	*												90
125	100	100	47.1	226.9	**17.1**	*	53.3	235.4	**17.8**	*	59.0	241.0	**19.2**	*												100
125	100	109													60.0	239.4	**17.7**									109
125	100	110	40.7	216.1	**16.4**	*	47.6	226.8	**16.7**	*	53.7	234.1	**17.6**	*	59.3	238.6	**17.4**									110
125	100	120	33.3	202.2	**15.7**	*	41.3	216.2	**15.9**	*	48.1	225.6	**16.4**	*	54.0	231.7	**15.4**									120
125	100	128																	55.0	229.3	**12.8**					128
125	100	130	23.9	183.0	**13.0**	*	34.0	202.7	**15.5**	*	41.8	215.2	**15.0**		48.4	223.3	**13.8**		54.2	228.2	**12.6**					130
125	100	140					24.8	184.1	**13.7**	*	34.6	202.0	**13.5**		42.2	213.0	**12.4**		48.5	219.9	**11.3**					140
125	100	147																					50.0	217.5	**9.4**	147
125	100	150					8.7	148.4	**10.7**	*	25.6	183.9	**12.2**		35.0	200.0	**11.2**		42.3	209.6	**10.1**		48.5	215.2	**9.2**	150
125	100	160									10.9	151.5	**11.1**		26.2	182.3	**10.1**		35.2	196.7	**9.2**		42.3	204.9	**8.2**	160
125	100	170													12.2	151.6	**9.2**		26.5	179.1	**8.3**		35.2	191.9	**7.4**	170
125	100	180																	12.8	149.2	**7.5**		26.4	174.3	**6.7**	180
125	100	190																					12.6	144.2	**6.1**	190
125	110	47	75.0	268.5	**22.7**	*																				47
125	110	50	73.9	267.7	**22.7**	*																				50
125	110	60	69.6	264.2	**22.2**	*																				60
125	110	70	65.3	259.9	**19.9**	*	70.0	263.6	**22.2**	*																70
125	110	80	60.7	254.5	**18.2**	*	65.6	259.3	**19.9**	*																80
125	110	90	55.9	248.1	**16.9**	*	61.1	254.1	**18.0**	*																90
125	110	92									65.0	256.8	**19.5**	*												92
125	110	100	50.8	240.3	**15.7**	*	56.3	247.8	**16.6**	*	61.4	252.7	**18.0**	*												100
125	110	110	45.3	231.0	**14.9**	*	51.2	240.2	**15.5**	*	56.7	246.4	**16.5**	*												110
125	110	114													60.0	248.1	**16.4**									114
125	110	120	39.1	219.6	**14.3**	*	45.8	231.0	**14.5**	*	51.6	238.9	**15.2**	*	57.0	244.0	**15.1**									120
125	110	130	32.0	205.0	**13.5**	*	39.7	219.8	**13.9**	*	46.2	229.9	**14.3**	*	51.9	236.6	**13.5**									130
125	110	134																	55.0	237.5	**11.7**					134
125	110	140	23.0	184.9	**11.2**	*	32.7	205.6	**13.5**	*	40.2	218.8	**13.2**		46.5	227.6	**12.1**		52.1	233.1	**11.0**					140
125	110	150					23.9	186.1	**11.8**	*	33.3	204.9	**11.9**		40.5	216.7	**10.9**		46.7	224.2	**9.9**					150
125	110	154																					50.0	225.2	**8.5**	154
125	110	160					8.4	149.0	**9.2**	*	24.7	186.0	**10.8**		33.7	203.0	**9.8**		40.7	213.3	**8.9**		46.6	219.5	**7.9**	160
125	110	170									10.4	152.3	**9.8**		25.2	184.5	**8.9**		33.9	199.7	**8.0**		40.7	208.6	**7.2**	170
125	110	180													11.7	152.6	**8.1**		25.5	181.3	**7.3**		33.8	194.9	**6.5**	180
125	110	190																	12.3	150.2	**6.6**		25.4	176.5	**5.8**	190
125	110	200																					12.1	145.2	**5.3**	200

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
125	120	50	75.0	278.1	**22.7**	*																			50
125	120	60	71.0	274.9	**20.9**	*																			60
125	120	70	67.0	270.9	**18.7**	*																			70
125	120	73					70.0	273.0	**20.1**	*															73
125	120	80	62.8	266.0	**17.0**	*	67.3	270.3	**18.7**	*															80
125	120	90	58.4	260.1	**15.6**	*	63.2	265.5	**16.9**	*															90
125	120	96									65.0	265.9	**17.5**	*											96
125	120	100	53.8	253.2	**14.5**	*	58.8	259.7	**15.4**	*	63.5	264.0	**16.9**	*											100
125	120	110	49.0	244.9	**13.6**	*	54.3	252.9	**14.3**	*	59.2	258.3	**15.4**	*											110
125	120	119													60.0	256.7	**15.1**								119
125	120	120	43.7	235.0	**12.9**	*	49.4	244.7	**13.4**	*	54.6	251.6	**14.1**	*	59.4	255.9	**14.9**								120
125	120	130	37.8	223.0	**12.5**	*	44.1	235.0	**12.6**	*	49.8	243.5	**13.2**	*	54.9	249.2	**13.2**								130
125	120	140	30.9	207.8	**11.6**	*	38.3	223.2	**12.1**	*	44.5	233.9	**12.4**	*	50.0	241.2	**11.8**		55.0	245.7	**10.7**				140
125	120	150	22.2	186.8	**9.6**	*	31.6	208.3	**11.8**	*	38.8	222.3	**11.7**		44.8	231.7	**10.6**		50.2	237.7	**9.6**				150
125	120	160					23.1	188.1	**10.2**	*	32.1	207.7	**10.6**		39.1	220.2	**9.6**		45.0	228.3	**8.6**		50.0	232.8	**7.6**		160
125	120	170					8.0	149.6	**7.9**	*	23.8	188.1	**9.6**		32.5	205.8	**8.7**		39.3	216.8	**7.8**		44.9	223.6	**6.9**		170
125	120	180									10.1	153.1	**8.5**	*	24.3	186.6	**7.9**		32.7	202.5	**7.0**		39.2	212.1	**6.2**		180
125	120	190													11.3	153.5	**7.1**		24.6	183.5	**6.3**		32.6	197.8	**5.6**		190
125	120	200																	11.8	151.2	**5.7**		24.5	178.7	**5.0**		200
125	120	210																					11.6	146.1	**4.5**		210
125	130	53	75.0	287.8	**21.3**	*																			53
125	130	60	72.3	285.5	**19.6**	*																			60
125	130	70	68.5	281.8	**17.5**	*																			70
125	130	77					70.0	282.4	**18.2**	*															77
125	130	80	64.6	277.2	**15.8**	*	68.8	281.2	**17.6**	*															80
125	130	90	60.6	271.8	**14.5**	*	65.0	276.7	**15.9**	*															90
125	130	100	56.4	265.5	**13.4**	*	61.0	271.4	**14.4**	*															100
125	130	101									65.0	274.9	**15.7**	*											101
125	130	110	52.0	258.0	**12.5**	*	56.8	265.2	**13.2**	*	61.3	270.0	**14.4**	*											110
125	130	120	47.3	249.2	**11.7**	*	52.4	257.8	**12.3**	*	57.1	263.8	**13.2**	*											120
125	130	124													60.0	265.4	**13.9**	*							124
125	130	130	42.2	238.8	**11.2**	*	47.7	249.1	**11.5**	*	52.7	256.5	**12.1**	*	57.3	261.4	**12.9**								130
125	130	140	36.5	226.2	**10.8**	*	42.7	238.9	**10.9**	*	48.1	248.0	**11.4**	*	53.0	254.2	**11.6**								140
125	130	146																	55.0	253.9	**9.7**				146

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	
125	130	150	29.9	210.4	**9.7**	*	37.0	226.5	**10.5**	*	43.1	237.9	**10.7**	*	48.4	245.7	**10.4**		53.1	250.7	**9.3**						150
125	130	160	21.4	188.7	**8.2**	*	30.5	211.0	**10.2**	*	37.5	225.7	**10.2**	*	43.3	235.7	**9.3**		48.5	242.2	**8.3**						160
125	130	167																					50.0	240.5	**6.8**		167
125	130	170					22.3	190.0	**8.7**	*	31.1	210.5	**9.4**		37.8	223.6	**8.4**		43.5	232.2	**7.5**		48.4	237.5	**6.6**		170
125	130	180					7.8	150.2	**6.7**	*	23.0	190.1	**8.5**		31.4	208.6	**7.6**		38.0	220.2	**6.7**		43.4	227.5	**5.9**		180
125	130	190									9.7	153.8	**7.3**	*	23.5	188.6	**6.9**		31.6	205.3	**6.1**		37.9	215.5	**5.3**		190
125	130	200													10.9	154.4	**6.2**		23.8	185.5	**5.5**		31.6	200.6	**4.7**		200
125	130	210																	11.4	152.1	**4.9**		23.7	180.7	**4.2**		210
125	130	220																					11.2	147.0	**3.8**		220
125	140	55	75.0	297.5	**18.9**	*																					55
125	140	60	73.3	296.0	**18.2**	*																					60
125	140	70	69.8	292.5	**16.4**	*																					70
125	140	80	66.2	288.3	**14.7**	*	70.0	291.8	**16.3**	*																	80
125	140	90	62.5	283.3	**13.4**	*	66.5	287.8	**14.8**	*																	90
125	140	100	58.6	277.5	**12.3**	*	62.8	282.9	**13.4**	*																	100
125	140	105									65.0	284.0	**14.1**	*													105
125	140	110	54.6	270.6	**11.4**	*	59.0	277.1	**12.2**	*	63.1	281.4	**13.4**	*													110
125	140	120	50.3	262.7	**10.7**	*	54.9	270.4	**11.3**	*	59.3	275.7	**12.2**	*													120
125	140	129													60.0	274.0	**12.4**	*									129
125	140	130	45.8	253.5	**10.1**	*	50.7	262.5	**10.5**	*	55.3	269.0	**11.2**	*	59.5	273.2	**12.2**	*									130
125	140	140	40.9	242.5	**9.6**	*	46.2	253.4	**9.9**	*	51.0	261.3	**10.4**	*	55.5	266.6	**11.2**	*									140
125	140	150	35.4	229.4	**8.8**	*	41.3	242.6	**9.4**	*	46.6	252.3	**9.7**	*	51.3	258.9	**10.1**										150
125	140	151																	55.0	262.1	**8.9**						151
125	140	160	29.0	212.9	**7.6**	*	35.9	229.7	**9.0**	*	41.7	241.6	**9.2**	*	46.8	250.0	**9.1**		51.4	255.5	**8.0**						160
125	140	170	20.8	190.5	**6.5**	*	29.6	213.6	**8.1**	*	36.3	228.9	**8.8**	*	42.0	239.5	**8.2**		46.9	246.5	**7.2**						170
125	140	173																					50.0	248.2	**6.1**		173
125	140	180					21.6	191.9	**6.9**	*	30.1	213.1	**8.3**		36.6	226.9	**7.4**		42.1	236.1	**6.5**		46.9	241.9	**5.6**		180
125	140	190					7.5	150.8	**3.9**	*	22.3	192.0	**7.3**	*	30.5	211.3	**6.6**		36.8	223.5	**5.8**		42.1	231.4	**5.0**		190
125	140	200									9.4	154.6	**4.9**	*	22.8	190.6	**6.0**		30.6	208.0	**5.2**		36.7	218.8	**4.4**		200
125	140	210													10.6	155.2	**5.4**		23.0	187.5	**4.7**		30.6	203.3	**4.0**		210
125	140	220																	11.1	153.0	**4.2**		22.9	182.7	**3.5**		220
125	140	230																					10.9	147.9	**3.1**		230
125	150	58	75.0	307.1	**16.1**	*																					58
125	150	60	74.3	306.5	**16.0**	*																					60

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
125	150	70	71.0	303.2	**15.2**	*																			70
125	150	80	67.6	299.2	**13.6**	*																			80
125	150	84					70.0	301.2	**14.6**	*															84
125	150	90	64.1	294.6	**12.3**	*	67.9	298.7	**13.7**	*															90
125	150	100	60.5	289.2	**11.3**	*	64.4	294.1	**12.4**	*															100
125	150	109									65.0	293.0	**12.5**	*											109
125	150	110	56.8	282.9	**10.4**	*	60.8	288.7	**11.2**	*	64.7	292.6	**12.4**	*											110
125	150	120	52.9	275.6	**9.7**	*	57.1	282.5	**10.3**	*	61.1	287.3	**11.3**	*											120
125	150	130	48.8	267.2	**9.0**	*	53.3	275.4	**9.5**	*	57.4	281.2	**10.3**	*											130
125	150	134													60.0	282.7	**10.9**	*							134
125	150	140	44.4	257.5	**8.5**	*	49.2	267.1	**8.9**	*	53.6	274.1	**9.5**	*	57.6	278.7	**10.3**	*							140
125	150	150	39.7	246.1	**7.9**	*	44.8	257.5	**8.4**	*	49.5	265.9	**8.8**	*	53.8	271.7	**9.5**	*							150
125	150	157																	55.0	270.3	**8.0**				157
125	150	160	34.3	232.4	**6.7**	*	40.1	246.3	**7.9**	*	45.2	256.4	**8.2**	*	49.7	263.6	**8.7**	*	53.9	268.2	**7.8**				160
125	150	170	28.1	215.4	**4.6**	*	34.8	232.8	**7.4**	*	40.5	245.3	**7.8**	*	45.4	254.2	**7.9**		49.8	260.1	**6.9**				170
125	150	179																					50.0	255.8	**5.3**		179
125	150	180	20.2	192.2	**2.4**	*	28.7	216.1	**5.2**	*	35.2	232.1	**7.5**	*	40.7	243.2	**7.1**		45.5	250.7	**6.2**		49.8	255.4	**5.3**		180
125	150	190					21.0	193.7	**3.0**	*	29.2	215.7	**5.8**	*	35.6	230.0	**6.4**		40.9	239.8	**5.5**		45.5	246.0	**4.7**		190
125	150	200									21.6	193.8	**3.5**	*	29.6	213.9	**5.8**		35.7	226.7	**4.9**		40.8	235.1	**4.2**		200
125	150	210													22.1	192.5	**4.0**	*	29.7	210.7	**4.4**		35.6	222.0	**3.7**		210
125	150	220																	22.4	189.4	**3.9**		29.7	205.9	**3.2**		220
125	150	230																	10.7	153.9	**2.2**	*	22.3	184.6	**2.8**		230
125	150	240																					10.5	148.7	**2.5**		240
135	80	40	75.0	249.5	**22.7**	*																			40
135	80	50	69.4	245.9	**22.7**	*																			50
135	80	60	63.8	241.3	**22.7**	*																			60
135	80	61					70.0	245.4	**22.7**	*															61
135	80	70	57.9	235.4	**22.7**	*	64.8	241.2	**22.7**	*															70
135	80	80	51.5	228.0	**22.2**	*	58.9	235.6	**22.7**	*															80
135	80	81									65.0	239.4	**22.7**	*											81
135	80	90	44.4	218.5	**20.2**	*	52.6	228.4	**21.8**	*	59.9	234.6	**22.7**	*											90
135	80	100	36.3	206.2	**17.8**	*	45.7	219.4	**20.6**	*	53.7	227.7	**21.6**	*											100
135	80	101													60.0	231.7	**19.7**								101
135	80	110	26.1	188.8	**16.0**	*	37.9	207.7	**18.2**	*	46.9	219.0	**19.2**		54.6	225.8	**17.6**								110
135	80	120	5.4	149.9	**12.6**	*	28.1	191.4	**16.3**	*	39.2	207.8	**17.1**		47.9	217.4	**15.7**		55.0	222.3	**14.2**						120

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle 90 Degrees Jib Angle (deg)	90 Degrees Tip Height (ft)	90 Degrees Capacity (kips)		85 Degrees Jib Angle (deg)	85 Degrees Tip Height (ft)	85 Degrees Capacity (kips)		80 Degrees Jib Angle (deg)	80 Degrees Tip Height (ft)	80 Degrees Capacity (kips)		75 Degrees Jib Angle (deg)	75 Degrees Tip Height (ft)	75 Degrees Capacity (kips)		70 Degrees Jib Angle (deg)	70 Degrees Tip Height (ft)	70 Degrees Capacity (kips)		65 Degrees Jib Angle (deg)	65 Degrees Tip Height (ft)	65 Degrees Capacity (kips)		Load Radius (ft)
135	80	130					12.3	162.2	**14.7**	*	29.9	192.5	**15.3**		40.4	206.6	**14.0**		48.7	214.4	**12.8**						130
135	80	139																					50.0	211.3	**10.5**		139
135	80	140									16.0	167.3	**13.8**		31.4	192.1	**12.6**		41.3	203.9	**11.5**		49.2	210.2	**10.3**		140
135	80	150													18.6	169.2	**11.4**		32.5	189.9	**10.4**		41.8	199.9	**9.3**		150
135	80	160																	20.4	168.6	**9.4**		33.2	186.2	**8.4**		160
135	80	170																					21.5	165.6	**7.6**		170
135	90	42	75.0	259.2	**22.7**	*																					42
135	90	50	71.2	256.6	**22.7**	*																					50
135	90	60	66.1	252.5	**22.7**	*																					60
135	90	64					70.0	254.8	**22.7**	*																	64
135	90	70	60.8	247.2	**22.2**	*	67.0	252.3	**22.7**	*																	70
135	90	80	55.2	240.6	**20.5**	*	61.7	247.2	**22.1**	*																	80
135	90	85									65.0	248.5	**22.7**	*													85
135	90	90	49.1	232.5	**19.3**	*	56.2	240.9	**20.3**	*	62.6	246.2	**22.3**	*													90
135	90	100	42.5	222.4	**18.4**	*	50.2	233.1	**19.0**	*	57.1	240.1	**20.3**	*													100
135	90	106													60.0	240.4	**18.2**										106
135	90	110	34.7	209.3	**17.3**	*	43.7	223.4	**17.9**	*	51.2	232.5	**18.8**	*	57.9	238.0	**17.3**										110
135	90	120	24.9	190.9	**15.0**	*	36.2	210.9	**17.2**	*	44.8	223.1	**16.8**		52.1	230.7	**15.4**										120
135	90	126																	55.0	230.5	**13.0**						126
135	90	130	5.1	150.2	**10.9**	*	26.9	193.8	**16.1**	*	37.5	211.2	**15.1**		45.7	221.6	**13.7**		52.7	227.6	**12.5**						130
135	90	140					11.7	163.1	**12.7**	*	28.6	195.0	**13.6**		38.6	210.0	**12.4**		46.5	218.7	**11.2**						140
135	90	145																					50.0	218.9	**9.5**		145
135	90	150									15.3	168.5	**12.3**		30.0	194.7	**11.2**		39.4	207.5	**10.1**		46.9	214.5	**9.0**		150
135	90	160													17.8	170.7	**10.1**		31.0	192.7	**9.1**		39.9	203.5	**8.1**		160
135	90	170																	19.5	170.2	**8.3**		31.7	189.0	**7.3**		170
135	90	180																					20.5	167.4	**6.6**		180
135	100	45	75.0	268.8	**22.7**	*																					45
135	100	50	72.7	267.2	**22.7**	*																					50
135	100	60	68.0	263.4	**22.7**	*																					60
135	100	67					70.0	264.2	**22.7**	*																	67
135	100	70	63.2	258.6	**20.8**	*	68.8	263.2	**22.7**	*																	70
135	100	80	58.2	252.8	**19.1**	*	64.1	258.6	**20.9**	*																	80
135	100	90	52.9	245.6	**17.8**	*	59.1	252.9	**19.0**	*	65.0	257.6	**21.1**	*													90
135	100	100	47.1	236.9	**16.8**	*	53.8	246.0	**17.6**	*	59.9	251.9	**19.1**	*													100

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
135	100	110	40.7	226.1	**16.0**	*	48.1	237.6	**16.5**	*	54.7	245.2	**17.5**	*												110
135	100	111													60.0	249.1	**16.8**									111
135	100	120	33.3	212.2	**15.0**	*	41.9	227.2	**15.7**	*	49.1	237.1	**16.3**	*	55.4	243.3	**15.1**									120
135	100	130	23.9	193.0	**12.9**	*	34.7	214.0	**15.0**	*	42.9	227.0	**14.8**		49.9	235.3	**13.5**									130
135	100	132																	55.0	238.7	**11.9**					132
135	100	140					25.8	196.0	**13.9**	*	35.9	214.4	**13.3**		43.8	225.6	**12.1**		50.5	232.3	**10.9**					140
135	100	150					11.2	164.0	**11.0**	*	27.4	197.4	**12.0**		37.0	213.3	**10.9**		44.5	222.8	**9.8**					150
135	100	152																					50.0	226.6	**8.5**	152
135	100	160									14.6	169.7	**10.9**		28.7	197.2	**9.9**		37.8	210.9	**8.8**		45.0	218.6	**7.8**	160
135	100	170													17.0	172.1	**8.9**		29.7	195.3	**8.0**		38.3	206.9	**7.0**	170
135	100	180																	18.7	171.8	**7.2**		30.4	191.6	**6.4**	180
135	100	190																					19.7	169.0	**5.7**	190
135	110	47	75.0	278.5	**22.7**	*																				47
135	110	50	73.9	277.7	**22.7**	*																				50
135	110	60	69.6	274.2	**21.6**	*																				60
135	110	70	65.3	269.9	**19.5**	*																				70
135	110	71					70.0	273.6	**21.6**	*																71
135	110	80	60.7	264.5	**17.8**	*	66.0	269.7	**19.7**	*																80
135	110	90	55.9	258.1	**16.5**	*	61.5	264.6	**17.8**	*																90
135	110	94									65.0	266.6	**19.0**	*												94
135	110	100	50.8	250.3	**15.4**	*	56.7	258.3	**16.3**	*	62.2	263.5	**18.0**	*												100
135	110	110	45.3	241.0	**14.6**	*	51.7	250.8	**15.2**	*	57.5	257.4	**16.4**	*												110
135	110	116													60.0	257.7	**15.5**									116
135	110	120	39.1	229.6	**14.0**	*	46.3	241.8	**14.3**	*	52.5	250.2	**15.1**	*	58.2	255.4	**14.8**									120
135	110	130	32.0	215.0	**13.1**	*	40.3	230.8	**13.6**	*	47.2	241.4	**14.2**	*	53.3	248.3	**13.2**									130
135	110	138																	55.0	246.9	**10.9**					138
135	110	140	23.0	194.9	**11.1**	*	33.4	216.9	**13.1**	*	41.3	230.8	**13.1**		48.0	239.7	**11.8**		53.8	245.1	**10.6**					140
135	110	150					24.8	198.1	**12.0**	*	34.6	217.4	**11.8**		42.2	229.4	**10.6**		48.6	236.8	**9.5**					150
135	110	158																					50.0	234.2	**7.7**	158
135	110	160					10.7	164.8	**9.5**	*	26.4	199.7	**10.7**		35.6	216.5	**9.6**		42.8	226.7	**8.5**		49.0	232.5	**7.5**	160
135	110	170									14.1	170.9	**9.7**		27.7	199.6	**8.7**		36.4	214.1	**7.7**		43.3	222.5	**6.8**	170
135	110	180													16.4	173.5	**7.9**		28.6	197.8	**7.0**		36.8	210.2	**6.1**	180
135	110	190																	18.0	173.3	**6.3**		29.2	194.2	**5.5**	190
135	110	200																					18.9	170.6	**4.9**	200

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle 90 Degrees Jib Angle (deg)	90 Degrees Tip Height (ft)	90 Degrees Capacity (kips)		85 Degrees Jib Angle (deg)	85 Degrees Tip Height (ft)	85 Degrees Capacity (kips)		80 Degrees Jib Angle (deg)	80 Degrees Tip Height (ft)	80 Degrees Capacity (kips)		75 Degrees Jib Angle (deg)	75 Degrees Tip Height (ft)	75 Degrees Capacity (kips)		70 Degrees Jib Angle (deg)	70 Degrees Tip Height (ft)	70 Degrees Capacity (kips)		65 Degrees Jib Angle (deg)	65 Degrees Tip Height (ft)	65 Degrees Capacity (kips)		Load Radius (ft)
135	120	50	75.0	288.1	**22.7**	*																					50
135	120	60	71.0	284.9	**20.3**	*																					60
135	120	70	67.0	280.9	**18.2**	*																					70
135	120	74					70.0	283.0	**19.6**	*																	74
135	120	80	62.8	276.0	**16.6**	*	67.7	280.7	**18.4**	*																	80
135	120	90	58.4	270.1	**15.2**	*	63.5	275.9	**16.7**	*																	90
135	120	98									65.0	275.7	**17.1**	*													98
135	120	100	53.8	263.2	**14.2**	*	59.2	270.3	**15.2**	*	64.2	274.8	**16.8**	*													100
135	120	110	49.0	254.9	**13.3**	*	54.7	263.5	**14.0**	*	59.9	269.3	**15.3**	*													110
135	120	120	43.7	245.0	**12.6**	*	49.8	255.5	**13.1**	*	55.4	262.7	**14.0**	*													120
135	120	121													60.0	266.4	**14.3**										121
135	120	130	37.8	233.0	**12.1**	*	44.6	245.9	**12.4**	*	50.6	254.9	**13.0**	*	56.1	260.7	**12.9**										130
135	120	140	30.9	217.8	**11.3**	*	38.8	234.3	**11.8**	*	45.5	245.6	**12.3**	*	51.3	253.1	**11.5**										140
135	120	143																	55.0	255.1	**9.9**						143
135	120	150	22.2	196.8	**9.6**	*	32.2	219.8	**11.3**	*	39.8	234.3	**11.5**		46.2	244.0	**10.4**		51.9	250.0	**9.2**						150
135	120	160					23.9	200.2	**10.3**	*	33.4	220.4	**10.4**		40.7	233.1	**9.3**		46.8	241.1	**8.3**						160
135	120	164																					50.0	241.9	**6.9**		164
135	120	170					10.3	165.6	**8.1**	*	25.4	201.9	**9.5**		34.3	219.6	**8.4**		41.3	230.4	**7.4**		47.2	236.9	**6.5**		170
135	120	180									13.5	172.0	**8.6**		26.7	201.9	**7.6**		35.1	217.2	**6.7**		41.7	226.3	**5.8**		180
135	120	190													15.8	174.8	**6.9**		27.6	200.2	**6.0**		35.5	213.3	**5.2**		190
135	120	200																	17.3	174.7	**5.5**		28.2	196.6	**4.7**		200
135	120	210																					18.2	172.2	**4.2**		210
135	130	53	75.0	297.8	**19.6**	*																					53
135	130	60	72.3	295.5	**19.0**	*																					60
135	130	70	68.5	291.8	**17.0**	*																					70
135	130	78					70.0	292.4	**17.6**	*																	78
135	130	80	64.6	287.2	**15.4**	*	69.2	291.5	**17.2**	*																	80
135	130	90	60.6	281.8	**14.1**	*	65.3	287.1	**15.6**	*																	90
135	130	100	56.4	275.5	**13.0**	*	61.3	281.9	**14.1**	*																	100
135	130	102									65.0	284.8	**15.4**	*													102
135	130	110	52.0	268.0	**12.1**	*	57.2	275.7	**13.0**	*	62.0	280.8	**14.3**	*													110
135	130	120	47.3	259.2	**11.4**	*	52.8	268.5	**12.0**	*	57.8	274.8	**13.0**	*													120
135	130	126													60.0	275.0	**13.2**										126
135	130	130	42.2	248.8	**10.9**	*	48.1	259.9	**11.3**	*	53.5	267.7	**12.0**	*	58.4	272.7	**12.6**										130
135	130	140	36.5	236.2	**10.4**	*	43.1	249.8	**10.7**	*	48.9	259.4	**11.2**	*	54.1	265.8	**11.3**										140

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	
135	130	149																	55.0	263.3	**9.0**					149
135	130	150	29.9	220.4	**9.4**	*	37.6	237.7	**10.2**	*	44.0	249.6	**10.6**	*	49.6	257.7	**10.1**		54.6	262.6	**8.9**					150
135	130	160	21.4	198.7	**8.2**	*	31.1	222.5	**9.8**	*	38.5	237.8	**10.0**	*	44.7	248.1	**9.1**		50.1	254.7	**8.0**					160
135	130	170					23.1	202.2	**8.5**	*	32.3	223.2	**9.2**		39.3	236.6	**8.2**		45.2	245.3	**7.2**					170
135	130	171																					50.0	249.6	**6.1**	171
135	130	180					10.0	166.4	**6.9**	*	24.6	204.0	**8.4**		33.2	222.5	**7.4**		39.9	234.0	**6.4**		45.6	241.0	**5.5**	180
135	130	190									13.1	173.1	**7.6**		25.8	204.1	**6.7**		33.9	220.2	**5.8**		40.3	230.0	**4.9**	190
135	130	200													15.2	176.1	**6.0**		26.7	202.5	**5.2**		34.4	216.4	**4.4**	200
135	130	210																	16.7	176.2	**4.7**		27.3	199.0	**3.9**	210
135	130	220																					17.6	173.7	**3.5**	220
135	140	55	75.0	307.5	**16.9**	*																				55
135	140	60	73.3	306.0	**16.6**	*																				60
135	140	70	69.8	302.5	**15.8**	*																				70
135	140	80	66.2	298.3	**14.3**	*																				80
135	140	81					70.0	301.8	**15.8**	*																81
135	140	90	62.5	293.3	**13.0**	*	66.8	298.1	**14.5**	*																90
135	140	100	58.6	287.5	**12.0**	*	63.1	293.3	**13.1**	*																100
135	140	107									65.0	293.8	**13.7**	*												107
135	140	110	54.6	280.6	**11.1**	*	59.3	287.6	**11.9**	*	63.7	292.1	**13.3**	*												110
135	140	120	50.3	272.7	**10.3**	*	55.3	280.9	**11.0**	*	59.9	286.6	**12.1**	*												120
135	140	130	45.8	263.5	**9.8**	*	51.1	273.2	**10.3**	*	56.0	280.1	**11.1**	*												130
135	140	131													60.0	283.7	**12.1**	*								131
135	140	140	40.9	252.5	**9.2**	*	46.6	264.2	**9.6**	*	51.8	272.6	**10.2**	*	56.5	278.1	**11.0**									140
135	140	150	35.4	239.4	**8.4**	*	41.8	253.6	**9.1**	*	47.4	263.8	**9.6**	*	52.4	270.7	**9.8**									150
135	140	155																	55.0	271.5	**8.2**					155
135	140	160	29.0	222.9	**7.3**	*	36.4	240.9	**8.7**	*	42.6	253.5	**9.0**	*	48.0	262.1	**8.8**		52.9	267.6	**7.7**					160
135	140	170	20.8	200.5	**6.3**	*	30.2	225.2	**7.9**	*	37.3	241.2	**8.6**	*	43.3	252.0	**7.9**		48.5	259.2	**6.9**					170
135	140	177																					50.0	257.2	**5.4**	177
135	140	180					22.4	204.1	**6.7**	*	31.3	226.0	**8.1**		38.1	240.0	**7.1**		43.8	249.3	**6.1**		48.8	254.9	**5.2**	180
135	140	190					9.7	167.2	**4.3**	*	23.8	206.1	**7.2**	*	32.2	225.3	**6.4**		38.7	237.5	**5.5**		44.2	245.1	**4.6**	190
135	140	200									12.7	174.1	**5.5**	*	25.0	206.3	**5.8**		32.9	223.2	**4.9**		39.1	233.5	**4.1**	200
135	140	210													14.8	177.3	**5.2**		25.9	204.7	**4.4**		33.3	219.4	**3.6**	210
135	140	220																	16.2	177.5	**3.9**		26.4	201.3	**3.2**	220
135	140	230																					17.1	175.1	**2.8**	230

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
135	150	58	75.0	317.1	**14.3**	*																				58
135	150	60	74.3	316.5	**14.2**	*																				60
135	150	70	71.0	313.2	**13.6**	*																				70
135	150	80	67.6	309.2	**12.9**	*																				80
135	150	85					70.0	311.2	**14.2**	*																85
135	150	90	64.1	304.6	**11.9**	*	68.2	309.0	**13.4**	*																90
135	150	100	60.5	299.2	**10.9**	*	64.7	304.5	**12.1**	*																100
135	150	110	56.8	292.9	**10.1**	*	61.2	299.2	**11.0**	*																110
135	150	111									65.0	302.9	**12.2**	*												111
135	150	120	52.9	285.6	**9.3**	*	57.5	293.1	**10.1**	*	61.7	298.1	**11.2**	*												120
135	150	130	48.8	277.2	**8.7**	*	53.6	286.0	**9.3**	*	58.1	292.1	**10.2**	*												130
135	150	136													60.0	292.4	**10.6**	*								136
135	150	140	44.4	267.5	**7.9**	*	49.6	277.8	**8.7**	*	54.3	285.2	**9.3**	*	58.6	290.0	**10.3**	*								140
135	150	150	39.7	256.1	**7.2**	*	45.2	268.4	**8.1**	*	50.2	277.2	**8.7**	*	54.8	283.3	**9.4**	*								150
135	150	160	34.3	242.4	**6.4**	*	40.5	257.3	**7.7**	*	45.9	268.0	**8.1**	*	50.8	275.4	**8.5**									160
135	150	161																	55.0	279.7	**7.4**					161
135	150	170	28.1	225.4	**4.5**	*	35.3	244.1	**7.2**	*	41.3	257.2	**7.6**	*	46.6	266.4	**7.6**		51.3	272.4	**6.6**					170
135	150	180	20.2	202.2	**2.4**	*	29.3	227.7	**5.4**	*	36.2	244.4	**7.3**	*	42.0	255.8	**6.9**		47.0	263.5	**5.9**					180
135	150	184																					50.0	264.9	**4.7**	184
135	150	190					21.8	206.0	**3.2**	*	30.3	228.7	**6.2**	*	37.0	243.3	**6.2**		42.5	253.1	**5.2**		47.4	259.2	**4.3**	190
135	150	200									23.1	208.1	**3.9**	*	31.2	228.1	**5.5**		37.5	240.9	**4.7**		42.8	249.0	**3.8**	200
135	150	210													24.3	208.4	**4.6**	*	31.9	226.0	**4.1**		37.9	236.9	**3.3**	210
135	150	220													14.3	178.5	**2.4**	*	25.1	206.9	**3.7**		32.3	222.2	**2.9**	220
135	150	230																	15.7	178.8	**3.0**	*	25.7	203.5	**2.5**	230
135	150	240																					16.6	176.5	**2.2**	240
145	80	40	75.0	259.5	**22.7**	*																				40
145	80	50	69.4	255.9	**22.7**	*																				50
145	80	60	63.8	251.3	**22.7**	*																				60
145	80	61					70.0	255.3	**22.7**	*																61
145	80	70	57.9	245.4	**22.7**	*	65.3	251.6	**22.7**	*																70
145	80	80	51.5	238.0	**21.7**	*	59.4	246.1	**22.7**	*																80
145	80	83									65.0	249.3	**22.7**	*												83
145	80	90	44.4	228.5	**20.1**	*	53.2	239.1	**21.5**	*	60.9	245.5	**22.7**	*												90
145	80	100	36.3	216.2	**17.8**	*	46.4	230.2	**20.1**	*	54.8	238.9	**21.5**	*												100
145	80	104													60.0	241.4	**18.7**									104

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	
145	80	110	26.1	198.8	**16.0**	*	38.6	218.8	**18.4**	*	48.1	230.5	**19.0**		56.2	237.3	**17.3**									110
145	80	120	5.4	159.9	**12.6**	*	29.1	203.1	**16.4**	*	40.7	219.8	**16.9**		49.7	229.4	**15.3**									120
145	80	124																	55.0	231.7	**13.2**					124
145	80	130					14.4	176.2	**14.9**	*	31.7	205.5	**15.1**		42.4	219.3	**13.7**		51.0	226.9	**12.3**					130
145	80	140									19.2	183.1	**13.6**		33.9	206.0	**12.3**		43.9	217.2	**11.1**					140
145	80	143																					50.0	220.3	**9.5**	143
145	80	150													22.6	186.3	**11.2**		35.7	204.7	**10.0**		45.0	213.6	**8.8**	150
145	80	160																	25.2	186.7	**9.0**		37.0	201.6	**8.0**	160
145	80	170																					27.0	184.7	**7.2**	170
145	80	180																					9.3	151.6	**6.5**	180
145	90	42	75.0	269.2	**22.7**	*																				42
145	90	50	71.2	266.6	**22.7**	*																				50
145	90	60	66.1	262.5	**22.7**	*																				60
145	90	65					70.0	264.7	**22.7**	*																65
145	90	70	60.8	257.2	**21.7**	*	67.4	262.7	**22.7**	*																70
145	90	80	55.2	250.6	**20.1**	*	62.2	257.7	**21.8**	*																80
145	90	87									65.0	258.4	**22.7**	*												87
145	90	90	49.1	242.5	**18.8**	*	56.7	251.5	**20.0**	*	63.5	256.9	**22.1**	*												90
145	90	100	42.5	232.4	**17.4**	*	50.8	243.8	**18.7**	*	58.1	251.1	**20.2**	*												100
145	90	109													60.0	250.1	**17.2**									109
145	90	110	34.7	219.3	**16.2**	*	44.3	234.3	**17.5**	*	52.3	243.8	**18.6**	*	59.3	249.3	**16.9**									110
145	90	120	24.9	200.9	**15.0**	*	36.9	222.1	**16.2**	*	46.0	234.8	**16.6**		53.6	242.4	**15.0**									120
145	90	130	5.1	160.2	**11.0**	*	27.8	205.5	**15.2**	*	38.8	223.3	**14.9**		47.4	233.8	**13.4**		55.0	239.9	**12.1**					130
145	90	140					13.7	177.3	**13.1**	*	30.3	208.1	**13.4**		40.5	223.0	**12.1**		48.7	231.4	**10.8**					140
145	90	149																					50.0	228.0	**8.6**	149
145	90	150									18.3	184.6	**12.1**		32.4	208.8	**10.9**		41.9	221.0	**9.7**		49.6	227.5	**8.5**	150
145	90	160													21.6	188.1	**9.9**		34.1	207.7	**8.8**		43.0	217.5	**7.7**	160
145	90	170																	24.0	188.7	**7.9**		35.4	204.7	**6.9**	170
145	90	180																					25.8	186.9	**6.3**	180
145	90	190																					8.8	152.3	**5.6**	190
145	100	45	75.0	278.8	**22.7**	*																				45
145	100	50	72.7	277.2	**22.7**	*																				50
145	100	60	68.0	273.4	**22.7**	*																				60
145	100	68					70.0	274.1	**22.7**	*																68

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
145	100	70	63.2	268.6	**20.3**	*	69.2	273.5	**22.7**	*															70
145	100	80	58.2	262.8	**18.6**	*	64.5	269.0	**20.5**	*															80
145	100	90	52.9	255.6	**17.3**	*	59.5	263.4	**18.6**	*															90
145	100	91									65.0	267.4	**20.4**	*											91
145	100	100	47.1	246.9	**16.3**	*	54.3	256.6	**17.3**	*	60.8	262.8	**19.0**	*											100
145	100	110	40.7	236.1	**15.1**	*	48.6	248.3	**16.2**	*	55.6	256.3	**17.3**	*											110
145	100	114													60.0	258.7	**15.9**								114
145	100	120	33.3	222.2	**14.1**	*	42.5	238.1	**15.2**	*	50.1	248.4	**16.1**	*	56.8	254.7	**14.7**								120
145	100	130	23.9	203.0	**12.9**	*	35.4	225.2	**14.2**	*	44.1	238.8	**14.6**		51.4	247.2	**13.1**								130
145	100	135																	55.0	248.1	**11.0**				135
145	100	140					26.7	207.8	**13.3**	*	37.2	226.6	**13.1**		45.5	238.0	**11.8**		52.5	244.5	**10.5**				140
145	100	150					13.2	178.4	**11.3**	*	29.1	210.6	**11.9**		38.9	226.5	**10.6**		46.7	235.7	**9.4**				150
145	100	156																					50.0	235.6	**7.7**	156
145	100	160									17.5	186.1	**10.7**		31.1	211.5	**9.6**		40.2	224.7	**8.5**		47.6	231.9	**7.4**	160
145	100	170													20.7	189.9	**8.7**		32.7	210.6	**7.7**		41.2	221.2	**6.6**	170
145	100	180																	23.1	190.7	**6.9**		33.9	207.7	**6.0**	180
145	100	190																					24.8	189.1	**5.4**	190
145	100	200																					8.5	152.9	**4.8**	200
145	110	47	75.0	288.5	**22.7**	*																			47
145	110	50	73.9	287.7	**22.7**	*																			50
145	110	60	69.6	284.2	**21.0**	*																			60
145	110	70	65.3	279.9	**18.9**	*																			70
145	110	72					70.0	283.5	**20.8**	*															72
145	110	80	60.7	274.5	**17.3**	*	66.4	280.1	**19.3**	*															80
145	110	90	55.9	268.1	**16.0**	*	61.9	275.0	**17.5**	*															90
145	110	96									65.0	276.5	**18.5**	*											96
145	110	100	50.8	260.3	**15.0**	*	57.2	268.9	**16.0**	*	63.0	274.3	**17.8**	*											100
145	110	110	45.3	251.0	**14.1**	*	52.2	261.5	**14.9**	*	58.4	268.4	**16.2**	*											110
145	110	119													60.0	267.4	**14.7**								119
145	110	120	39.1	239.6	**13.1**	*	46.8	252.6	**14.0**	*	53.4	261.4	**14.9**	*	59.4	266.6	**14.4**								120
145	110	130	32.0	225.0	**12.2**	*	40.8	241.8	**13.2**	*	48.1	252.9	**14.0**	*	54.6	259.9	**12.8**								130
145	110	140	23.0	204.9	**11.1**	*	34.0	228.2	**12.3**	*	42.4	242.6	**12.9**		49.4	251.8	**11.5**								140
145	110	141																	55.0	256.3	**10.0**				141
145	110	150					25.6	210.0	**11.5**	*	35.8	229.8	**11.6**		43.7	241.9	**10.3**		50.4	249.2	**9.1**				150
145	110	160					12.6	179.4	**9.7**	*	28.0	213.1	**10.5**		37.4	229.8	**9.3**		44.9	239.8	**8.2**				160

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																				Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	
145	110	162																					50.0	243.3	**6.9**		162
145	110	170									16.9	187.5	**9.5**		29.9	214.2	**8.4**		38.7	228.1	**7.4**		45.7	236.1	**6.3**		170
145	110	180													19.9	191.5	**7.7**		31.5	213.3	**6.7**		39.7	224.8	**5.7**		180
145	110	190																	22.2	192.6	**6.0**		32.7	210.6	**5.1**		190
145	110	200																					23.8	191.1	**4.6**		200
145	110	210																					8.1	153.5	**4.1**		210
145	120	50	75.0	298.1	**20.2**	*																					50
145	120	60	71.0	294.9	**19.3**	*																					60
145	120	70	67.0	290.9	**17.7**	*																					70
145	120	75					70.0	292.9	**18.7**	*																	75
145	120	80	62.8	286.0	**16.1**	*	68.1	291.0	**18.0**	*																	80
145	120	90	58.4	280.1	**14.8**	*	63.9	286.3	**16.3**	*																	90
145	120	100	53.8	273.2	**13.8**	*	59.6	280.8	**14.9**	*	65.0	285.5	**16.6**	*													100
145	120	110	49.0	264.9	**12.9**	*	55.1	274.1	**13.8**	*	60.7	280.1	**15.2**	*													110
145	120	120	43.7	255.0	**12.1**	*	50.3	266.2	**12.8**	*	56.2	273.8	**13.9**	*													120
145	120	124													60.0	276.0	**13.5**										124
145	120	130	37.8	243.0	**11.3**	*	45.1	256.8	**12.1**	*	51.5	266.2	**12.9**	*	57.2	272.1	**12.6**										130
145	120	140	30.9	227.8	**10.4**	*	39.4	245.4	**11.4**	*	46.4	257.2	**12.1**	*	52.6	264.8	**11.2**										140
145	120	147																	55.0	264.5	**9.1**						147
145	120	150	22.2	206.8	**9.6**	*	32.8	231.1	**10.6**	*	40.9	246.3	**11.3**		47.6	256.2	**10.1**		53.5	262.1	**8.8**						150
145	120	160					24.7	212.2	**10.0**	*	34.6	232.9	**10.3**		42.2	245.8	**9.1**		48.6	253.7	**7.9**						160
145	120	169																					50.0	251.0	**6.1**		169
145	120	170					12.2	180.4	**8.4**	*	27.0	215.4	**9.3**		36.1	233.0	**8.2**		43.3	243.7	**7.1**		49.4	249.8	**6.0**		170
145	120	180									16.3	188.9	**8.4**		28.8	216.7	**7.4**		37.3	231.5	**6.4**		44.1	240.1	**5.4**		180
145	120	190													19.2	193.2	**6.7**		30.4	216.0	**5.7**		38.3	228.2	**4.8**		190
145	120	200																	21.4	194.4	**5.2**		31.5	213.4	**4.3**		200
145	120	210																					23.0	193.1	**3.8**		210
145	120	220																					7.8	154.1	**3.4**		220
145	130	53	75.0	307.8	**17.4**	*																					53
145	130	60	72.3	305.5	**16.9**	*																					60
145	130	70	68.5	301.8	**16.1**	*																					70
145	130	79					70.0	302.3	**16.9**	*																	79
145	130	80	64.6	297.2	**14.9**	*	69.5	301.8	**16.7**	*																	80
145	130	90	60.6	291.8	**13.7**	*	65.6	297.5	**15.2**	*																	90

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
145	130	100	56.4	285.5	**12.6**	*	61.7	292.3	**13.8**	*															100
145	130	104									65.0	294.6	**14.9**	*											104
145	130	110	52.0	278.0	**11.8**	*	57.5	286.2	**12.7**	*	62.7	291.6	**14.1**	*											110
145	130	120	47.3	269.2	**11.0**	*	53.2	279.1	**11.8**	*	58.6	285.8	**12.9**	*											120
145	130	129													60.0	284.7	**12.5**								129
145	130	130	42.2	258.8	**10.0**	*	48.6	270.7	**11.0**	*	54.3	278.9	**11.8**	*	59.5	284.0	**12.3**								130
145	130	140	36.5	246.2	**9.2**	*	43.6	260.7	**10.4**	*	49.7	270.8	**11.0**	*	55.3	277.3	**10.9**								140
145	130	150	29.9	230.4	**8.4**	*	38.1	248.8	**9.7**	*	44.9	261.3	**10.4**	*	50.8	269.6	**9.8**								150
145	130	152																	55.0	272.7	**8.3**				152
145	130	160	21.4	208.7	**7.9**	*	31.7	233.9	**9.1**	*	39.5	249.9	**9.8**	*	46.0	260.4	**8.8**		51.7	266.9	**7.6**				160
145	130	170					23.9	214.2	**8.3**	*	33.4	235.9	**9.0**		40.8	249.5	**7.9**		46.9	258.0	**6.8**				170
145	130	175																					50.0	258.6	**5.4**		175
145	130	180					11.8	181.4	**7.1**	*	26.1	217.7	**8.2**		34.9	236.1	**7.1**		41.8	247.5	**6.1**		47.7	254.2	**5.1**		180
145	130	190									15.7	190.2	**7.4**		27.9	219.1	**6.5**		36.1	234.7	**5.5**		42.6	244.0	**4.5**		190
145	130	200													18.6	194.7	**5.8**		29.4	218.6	**4.9**		37.0	231.6	**4.0**		200
145	130	210																	20.7	196.2	**4.4**		30.5	216.0	**3.5**		210
145	130	220																					22.2	195.0	**3.1**		220
145	130	230																					7.5	154.7	**2.7**		230
145	140	55	75.0	317.5	**14.8**	*																					55
145	140	60	73.3	316.0	**14.6**	*																					60
145	140	70	69.8	312.5	**13.9**	*																					70
145	140	80	66.2	308.3	**13.1**	*																					80
145	140	82					70.0	311.7	**15.1**	*																	82
145	140	90	62.5	303.3	**12.3**	*	67.1	308.5	**14.1**	*																	90
145	140	100	58.6	297.5	**11.4**	*	63.5	303.7	**12.8**	*																	100
145	140	108									65.0	303.7	**13.3**	*													108
145	140	110	54.6	290.6	**10.5**	*	59.6	298.1	**11.6**	*	64.4	302.9	**13.1**	*													110
145	140	120	50.3	282.7	**9.6**	*	55.7	291.5	**10.8**	*	60.6	297.5	**11.9**	*													120
145	140	130	45.8	273.5	**8.7**	*	51.5	283.9	**10.0**	*	56.7	291.1	**10.9**	*													130
145	140	134													60.0	293.4	**11.5**										134
145	140	140	40.9	262.5	**7.9**	*	47.0	275.0	**9.4**	*	52.5	283.8	**10.1**	*	57.6	289.5	**10.7**										140
145	140	150	35.4	249.4	**7.2**	*	42.2	264.6	**8.9**	*	48.2	275.3	**9.4**	*	53.5	282.4	**9.5**										150
145	140	158																	55.0	280.9	**7.5**						158
145	140	160	29.0	232.9	**6.7**	*	36.9	252.1	**8.3**	*	43.4	265.2	**8.8**	*	49.2	274.1	**8.5**		54.3	279.6	**7.3**						160
145	140	170	20.8	210.5	**6.0**	*	30.8	236.6	**7.6**	*	38.3	253.3	**8.4**	*	44.5	264.5	**7.6**		50.0	271.6	**6.5**						170

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
145	140	180					23.2	216.2	**6.4**	*	32.4	238.7	**7.9**	*	39.5	253.0	**6.9**		45.5	262.2	**5.8**						180
145	140	182																					50.0	266.3	**4.7**		182
145	140	190					11.4	182.3	**4.6**	*	25.3	219.9	**7.1**	*	33.8	239.1	**6.2**		40.5	251.2	**5.2**		46.2	258.5	**4.2**		190
145	140	200									15.2	191.5	**5.9**	*	27.0	221.5	**5.6**		34.9	237.8	**4.6**		41.3	247.7	**3.7**		200
145	140	210													18.0	196.3	**5.0**		28.4	221.1	**4.1**		35.8	234.8	**3.3**		210
145	140	220																	20.1	197.9	**3.7**		29.5	218.6	**2.8**		220
145	140	230																					21.5	196.8	**2.5**		230
145	140	240																					7.3	155.3	**2.1**		240
145	150	58	75.0	327.1	**12.5**	*																					58
145	150	60	74.3	326.5	**12.4**	*																					60
145	150	70	71.0	323.2	**11.9**	*																					70
145	150	80	67.6	319.2	**11.3**	*																					80
145	150	85					70.0	321.1	**13.4**	*																	85
145	150	90	64.1	314.6	**10.5**	*	68.5	319.3	**13.0**	*																	90
145	150	100	60.5	309.2	**9.8**	*	65.0	314.9	**11.8**	*																	100
145	150	110	56.8	302.9	**9.0**	*	61.5	309.7	**10.7**	*																	110
145	150	113									65.0	312.7	**11.7**	*													113
145	150	120	52.9	295.6	**8.2**	*	57.8	303.6	**9.8**	*	62.4	308.9	**11.0**	*													120
145	150	130	48.8	287.2	**7.5**	*	54.0	296.6	**9.0**	*	58.7	303.1	**10.0**	*													130
145	150	139													60.0	302.0	**10.2**	*									139
145	150	140	44.4	277.5	**6.8**	*	49.9	288.6	**8.4**	*	54.9	296.3	**9.1**	*	59.6	301.3	**10.2**	*									140
145	150	150	39.7	266.1	**6.1**	*	45.6	279.2	**7.9**	*	50.9	288.6	**8.5**	*	55.8	294.8	**9.2**										150
145	150	160	34.3	252.4	**5.5**	*	41.0	268.3	**7.5**	*	46.7	279.6	**7.9**	*	51.9	287.2	**8.2**										160
145	150	164																	55.0	289.1	**6.7**						164
145	150	170	28.1	235.4	**4.5**	*	35.8	255.3	**6.9**	*	42.2	269.1	**7.4**	*	47.7	278.5	**7.4**		52.6	284.5	**6.2**						170
145	150	180	20.2	212.2	**2.4**	*	29.9	239.3	**5.6**	*	37.1	256.6	**7.1**	*	43.2	268.4	**6.6**		48.5	276.1	**5.5**						180
145	150	188																					50.0	273.9	**4.0**		188
145	150	190					22.5	218.2	**3.3**	*	31.4	241.5	**6.6**	*	38.3	256.5	**5.9**		44.1	266.2	**4.9**		49.2	272.2	**3.9**		190
145	150	200									24.5	222.0	**4.3**	*	32.8	242.0	**5.3**		39.3	254.7	**4.4**		44.8	262.6	**3.4**		200
145	150	210									14.8	192.7	**2.1**	*	26.2	223.8	**4.8**		33.9	240.8	**3.9**		40.1	251.3	**3.0**		210
145	150	220													17.5	197.7	**2.9**	*	27.6	223.5	**3.4**		34.8	237.9	**2.6**		220
145	150	230																	19.5	199.6	**3.0**		28.7	221.1	**2.2**		230
155	80	40	75.0	269.5	**22.7**	*																					40
155	80	50	69.4	265.9	**22.7**	*																					50

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
155	80	60	63.8	261.3	**22.7**	*																			60
155	80	62					70.0	265.3	**22.7**	*															62
155	80	70	57.9	255.4	**22.1**	*	65.8	262.0	**22.7**	*															70
155	80	80	51.5	248.0	**20.4**	*	60.0	256.6	**22.1**	*															80
155	80	85									65.0	259.1	**22.7**	*											85
155	80	90	44.4	238.5	**18.8**	*	53.8	249.7	**20.4**	*	61.9	256.3	**22.2**	*											90
155	80	100	36.3	226.2	**17.5**	*	47.0	241.1	**18.9**	*	55.9	250.0	**20.5**	*											100
155	80	106													60.0	251.1	**17.6**								106
155	80	110	26.1	208.8	**16.0**	*	39.3	229.9	**17.5**	*	49.3	242.0	**18.7**		57.8	248.8	**16.9**								110
155	80	120	5.4	169.9	**12.7**	*	30.0	214.7	**16.4**	*	42.0	231.8	**16.6**		51.4	241.3	**15.0**								120
155	80	127																	55.0	241.1	**12.2**				127
155	80	130					16.2	189.7	**14.5**	*	33.4	218.2	**14.9**		44.4	231.8	**13.4**		53.3	239.0	**11.9**				130
155	80	140									21.9	198.0	**13.4**		36.3	219.5	**12.0**		46.4	230.2	**10.7**				140
155	80	147																					50.0	229.4	**8.6**		147
155	80	150													26.0	202.0	**10.9**		38.7	218.8	**9.6**		48.1	226.9	**8.4**		150
155	80	160													5.0	162.4	**9.8**		29.2	203.1	**8.7**		40.6	216.1	**7.5**		160
155	80	170																	14.6	176.5	**7.9**		31.6	201.7	**6.8**		170
155	80	180																					19.0	179.3	**6.1**		180
155	90	42	75.0	279.2	**22.7**	*																			42
155	90	50	71.2	276.6	**22.7**	*																			50
155	90	60	66.1	272.5	**22.7**	*																			60
155	90	66					70.0	274.7	**22.7**	*															66
155	90	70	60.8	267.2	**20.7**	*	67.9	273.0	**22.7**	*															70
155	90	80	55.2	260.6	**19.1**	*	62.7	268.1	**20.8**	*															80
155	90	89									65.0	268.2	**21.0**	*											89
155	90	90	49.1	252.5	**17.6**	*	57.2	262.1	**19.1**	*	64.4	267.7	**20.8**	*											90
155	90	100	42.5	242.4	**16.3**	*	51.3	254.5	**17.7**	*	59.1	262.0	**19.2**	*											100
155	90	110	34.7	229.3	**15.2**	*	44.9	245.2	**16.4**	*	53.3	255.0	**17.8**	*											110
155	90	111													60.0	259.7	**16.3**								111
155	90	120	24.9	210.9	**14.2**	*	37.6	233.2	**15.3**	*	47.1	246.3	**16.4**		55.1	254.0	**14.7**								120
155	90	130	5.1	170.2	**11.1**	*	28.7	217.2	**14.3**	*	40.1	235.4	**14.6**		49.1	245.9	**13.1**								130
155	90	133																	55.0	249.3	**11.2**				133
155	90	140					15.5	191.0	**12.7**	*	31.9	221.0	**13.2**		42.4	235.7	**11.8**		50.8	243.8	**10.3**				140
155	90	150									20.9	199.7	**11.9**		34.7	222.6	**10.6**		44.3	234.2	**9.3**				150
155	90	154																					50.0	237.0	**7.7**		154

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																										Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees						
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)				
155	90	160													24.8	204.2	**9.6**		36.9	222.1	**8.4**		45.9	231.1	**7.2**				160
155	90	170																	27.9	205.6	**7.6**		38.8	219.6	**6.5**				170
155	90	180																	13.9	177.6	**6.9**		30.2	204.4	**5.9**				180
155	90	190																					18.2	180.8	**5.3**				190
155	100	45	75.0	288.8	**22.7**	*																							45
155	100	50	72.7	287.2	**22.7**	*																							50
155	100	60	68.0	283.4	**21.1**	*																							60
155	100	69					70.0	284.1	**21.2**	*																			69
155	100	70	63.2	278.6	**19.4**	*	69.7	283.8	**21.1**	*																			70
155	100	80	58.2	272.8	**17.8**	*	64.9	279.4	**19.4**	*																			80
155	100	90	52.9	265.6	**16.4**	*	60.0	273.9	**17.9**	*																			90
155	100	93									65.0	277.3	**18.9**	*															93
155	100	100	47.1	256.9	**15.2**	*	54.8	267.2	**16.5**	*	61.7	273.7	**18.0**	*															100
155	100	110	40.7	246.1	**14.1**	*	49.2	259.1	**15.3**	*	56.5	267.4	**16.7**	*															110
155	100	116													60.0	268.4	**15.0**												116
155	100	120	33.3	232.2	**13.2**	*	43.0	249.1	**14.2**	*	51.1	259.8	**15.5**	*	58.2	266.1	**14.4**												120
155	100	130	23.9	213.0	**12.4**	*	36.0	236.4	**13.3**	*	45.1	250.5	**14.4**		52.8	258.9	**12.8**												130
155	100	139																	55.0	257.5	**10.2**								139
155	100	140					27.5	219.6	**12.4**	*	38.5	238.8	**12.9**		47.1	250.2	**11.5**		54.3	256.6	**10.0**								140
155	100	150					14.9	192.2	**11.0**	*	30.6	223.7	**11.7**		40.7	239.4	**10.3**		48.7	248.3	**9.0**								150
155	100	160									20.0	201.4	**10.6**		33.2	225.5	**9.3**		42.5	238.1	**8.1**		50.0	244.7	**6.9**				160
155	100	170													23.8	206.2	**8.5**		35.4	225.2	**7.3**		44.0	235.1	**6.2**				170
155	100	180																	26.7	207.9	**6.6**		37.2	222.9	**5.6**				180
155	100	190																	13.3	178.7	**6.0**		29.0	206.9	**5.0**				190
155	100	200																					17.4	182.2	**4.5**				200
155	110	47	75.0	298.5	**20.6**	*																							47
155	110	50	73.9	297.7	**20.4**	*																							50
155	110	60	69.6	294.2	**19.4**	*																							60
155	110	70	65.3	289.9	**18.0**	*																							70
155	110	73					70.0	293.5	**19.2**	*																			73
155	110	80	60.7	284.5	**16.6**	*	66.8	290.4	**18.1**	*																			80
155	110	90	55.9	278.1	**15.3**	*	62.3	285.5	**16.6**	*																			90
155	110	97									65.0	286.3	**17.1**	*															97
155	110	100	50.8	270.3	**14.1**	*	57.6	279.4	**15.4**	*	63.8	285.0	**16.7**	*															100

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
155	110	110	45.3	261.0	**13.1**	*	52.6	272.2	**14.2**	*	59.2	279.4	**15.5**	*												110
155	110	120	39.1	249.6	**12.2**	*	47.3	263.4	**13.2**	*	54.3	272.5	**14.4**	*												120
155	110	121													60.0	277.0	**13.8**									121
155	110	130	32.0	235.0	**11.4**	*	41.4	252.8	**12.3**	*	49.1	264.3	**13.4**	*	55.9	271.4	**12.5**									130
155	110	140	23.0	214.9	**10.6**	*	34.7	239.5	**11.5**	*	43.4	254.4	**12.5**	*	50.8	263.7	**11.2**									140
155	110	144																	55.0	265.7	**9.3**					144
155	110	150					26.5	221.9	**10.8**	*	37.0	242.1	**11.4**		45.2	254.3	**10.0**		52.2	261.5	**8.7**					150
155	110	160					14.3	193.3	**9.5**	*	29.5	226.2	**10.3**		39.1	242.9	**9.1**		46.8	252.6	**7.8**					160
155	110	166																					50.0	252.4	**6.1**	166
155	110	170									19.3	203.0	**9.4**		32.0	228.3	**8.2**		40.9	241.8	**7.0**		48.1	249.2	**5.9**	170
155	110	180													22.9	208.2	**7.4**		34.1	228.3	**6.3**		42.3	238.9	**5.3**	180
155	110	190																	25.7	210.1	**5.7**		35.8	226.1	**4.7**	190
155	110	200																	12.8	179.7	**5.1**		27.9	209.3	**4.2**	200
155	110	210																					16.7	183.6	**3.7**	210
155	120	50	75.0	308.1	**17.8**	*																				50
155	120	60	71.0	304.9	**17.1**	*																				60
155	120	70	67.0	300.9	**16.1**	*																				70
155	120	76					70.0	302.9	**17.3**	*																76
155	120	80	62.8	296.0	**15.1**	*	68.4	301.3	**16.7**	*																80
155	120	90	58.4	290.1	**14.0**	*	64.3	296.8	**15.4**	*																90
155	120	100	53.8	283.2	**13.0**	*	60.0	291.2	**14.3**	*																100
155	120	102									65.0	295.4	**15.3**	*												102
155	120	110	49.0	274.9	**11.9**	*	55.5	284.7	**13.2**	*	61.4	291.0	**14.4**	*												110
155	120	120	43.7	265.0	**10.9**	*	50.7	276.9	**12.2**	*	57.0	284.8	**13.4**	*												120
155	120	126													60.0	285.7	**12.7**									126
155	120	130	37.8	253.0	**10.0**	*	45.6	267.6	**11.3**	*	52.3	277.4	**12.4**	*	58.4	283.5	**12.2**									130
155	120	140	30.9	237.8	**9.2**	*	39.9	256.4	**10.6**	*	47.3	268.7	**11.5**	*	53.8	276.5	**10.9**									140
155	120	150	22.2	216.8	**8.6**	*	33.4	242.5	**9.9**	*	41.9	258.2	**10.8**	*	48.9	268.2	**9.8**		55.0	273.9	**8.4**					150
155	120	160					25.5	224.1	**9.3**	*	35.7	245.3	**10.0**		43.6	258.3	**8.8**		50.3	266.1	**7.5**					160
155	120	170					13.8	194.5	**8.1**	*	28.4	228.7	**9.1**		37.7	246.3	**7.9**		45.1	256.7	**6.7**					170
155	120	173																					50.0	260.0	**5.4**	173
155	120	180									18.6	204.6	**8.1**	*	30.9	231.0	**7.2**		39.4	245.4	**6.0**		46.4	253.5	**5.0**	180
155	120	190													22.1	210.1	**6.5**		32.9	231.2	**5.4**		40.8	242.6	**4.4**	190
155	120	200																	24.8	212.2	**4.9**		34.5	229.2	**3.9**	200
155	120	210																	12.3	180.7	**4.4**		26.9	211.7	**3.5**	210

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	
155	120	220																					16.2	185.0	**3.1**		220
155	130	53	75.0	317.8	**15.2**	*																					53
155	130	60	72.3	315.5	**14.8**	*																					60
155	130	70	68.5	311.8	**14.1**	*																					70
155	130	79					70.0	312.3	**15.5**	*																	79
155	130	80	64.6	307.2	**13.2**	*	69.8	312.1	**15.4**	*																	80
155	130	90	60.6	301.8	**12.3**	*	66.0	307.9	**14.2**	*																	90
155	130	100	56.4	295.5	**11.4**	*	62.0	302.8	**13.1**	*																	100
155	130	106									65.0	304.5	**13.7**	*													106
155	130	110	52.0	288.0	**10.4**	*	57.9	296.8	**12.1**	*	63.4	302.4	**13.3**	*													110
155	130	120	47.3	279.2	**9.6**	*	53.6	289.7	**11.2**	*	59.3	296.7	**12.3**	*													120
155	130	130	42.2	268.8	**8.7**	*	49.0	281.4	**10.4**	*	55.0	290.0	**11.4**	*													130
155	130	131													60.0	294.4	**11.6**	*									131
155	130	140	36.5	256.2	**8.0**	*	44.0	271.6	**9.7**	*	50.5	282.2	**10.6**	*	56.4	288.8	**10.6**										140
155	130	150	29.9	240.4	**7.3**	*	38.6	259.9	**9.0**	*	45.7	272.9	**9.9**	*	52.0	281.4	**9.5**										150
155	130	156																	55.0	282.1	**7.6**						156
155	130	160	21.4	218.7	**6.9**	*	32.3	245.3	**8.4**	*	40.5	261.9	**9.2**	*	47.3	272.6	**8.5**		53.2	279.0	**7.2**						160
155	130	170					24.7	226.2	**7.9**	*	34.5	248.4	**8.6**	*	42.2	262.1	**7.6**		48.6	270.7	**6.4**						170
155	130	179																					50.0	267.7	**4.7**		179
155	130	180					13.3	195.6	**6.8**	*	27.5	231.1	**7.8**	*	36.5	249.5	**6.9**		43.6	260.7	**5.8**		49.7	267.1	**4.7**		180
155	130	190									18.0	206.1	**6.8**	*	29.8	233.7	**6.2**		38.1	248.8	**5.1**		44.8	257.6	**4.1**		190
155	130	200													21.4	211.9	**5.6**		31.8	234.0	**4.6**		39.5	246.2	**3.6**		200
155	130	210																	24.0	214.3	**4.1**		33.4	232.1	**3.2**		210
155	130	220																	11.9	181.7	**3.7**		26.0	213.9	**2.8**		220
155	130	230																					15.6	186.3	**2.4**		230
155	140	55	75.0	327.5	**12.9**	*																					55
155	140	60	73.3	326.0	**12.7**	*																					60
155	140	70	69.8	322.5	**12.1**	*																					70
155	140	80	66.2	318.3	**11.4**	*																					80
155	140	83					70.0	321.7	**13.8**	*																	83
155	140	90	62.5	313.3	**10.6**	*	67.5	318.8	**13.1**	*																	90
155	140	100	58.6	307.5	**9.8**	*	63.8	314.1	**12.1**	*																	100
155	140	110	54.6	300.6	**9.0**	*	60.0	308.6	**11.1**	*	65.0	313.5	**12.2**	*													110
155	140	120	50.3	292.7	**8.2**	*	56.0	302.1	**10.3**	*	61.3	308.3	**11.3**	*													120

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
155	140	130	45.8	283.5	**7.5**	*	51.8	294.6	**9.5**	*	57.4	302.2	**10.5**	*												130
155	140	136													60.0	303.0	**10.2**	*								136
155	140	140	40.9	272.5	**6.8**	*	47.4	285.8	**8.8**	*	53.3	295.0	**9.7**	*	58.6	300.8	**10.0**	*								140
155	140	150	35.4	259.4	**6.2**	*	42.6	275.5	**8.2**	*	48.9	286.7	**9.0**	*	54.6	294.0	**9.2**									150
155	140	160	29.0	242.9	**5.7**	*	37.4	263.2	**7.6**	*	44.3	276.9	**8.4**	*	50.3	286.0	**8.2**									160
155	140	162																	55.0	290.3	**6.8**					162
155	140	170	20.8	220.5	**5.3**	*	31.3	248.1	**7.0**	*	39.2	265.4	**7.8**	*	45.8	276.8	**7.4**		51.5	283.9	**6.2**					170
155	140	180					23.9	228.3	**6.2**	*	33.5	251.4	**7.3**	*	40.8	265.8	**6.6**		47.1	275.0	**5.5**					180
155	140	186																					50.0	275.3	**4.0**	186
155	140	190					12.9	196.6	**4.9**	*	26.6	233.4	**6.6**	*	35.3	252.7	**6.0**		42.2	264.6	**4.9**		48.1	271.6	**3.8**	190
155	140	200									17.4	207.6	**5.7**	*	28.9	236.2	**5.3**		36.9	252.1	**4.3**		43.4	261.5	**3.3**	200
155	140	210													20.7	213.7	**4.8**		30.8	236.7	**3.8**		38.2	249.6	**2.9**	210
155	140	220																	23.3	216.3	**3.4**		32.3	235.0	**2.5**	220
155	140	230																	11.5	182.6	**3.0**		25.2	216.1	**2.1**	230
155	150	58	75.0	337.1	**10.7**	*																				58
155	150	60	74.3	336.5	**10.6**	*																				60
155	150	70	71.0	333.2	**10.2**	*																				70
155	150	80	67.6	329.2	**9.6**	*																				80
155	150	86					70.0	331.1	**12.2**	*																86
155	150	90	64.1	324.6	**9.0**	*	68.8	329.7	**11.9**	*																90
155	150	100	60.5	319.2	**8.3**	*	65.3	325.3	**11.0**	*																100
155	150	110	56.8	312.9	**7.6**	*	61.8	320.1	**10.1**	*																110
155	150	114									65.0	322.6	**10.7**	*												114
155	150	120	52.9	305.6	**6.9**	*	58.1	314.1	**9.3**	*	63.0	319.7	**10.3**	*												120
155	150	130	48.8	297.2	**6.3**	*	54.3	307.2	**8.6**	*	59.4	314.0	**9.5**	*												130
155	150	140	44.4	287.5	**5.6**	*	50.3	299.3	**7.9**	*	55.6	307.4	**8.8**	*												140
155	150	141													60.0	311.7	**8.8**	*								141
155	150	150	39.7	276.1	**5.1**	*	46.0	290.0	**7.3**	*	51.7	299.8	**8.2**	*	56.8	306.2	**8.5**	*								150
155	150	160	34.3	262.4	**4.6**	*	41.4	279.3	**6.8**	*	47.5	291.1	**7.6**	*	52.9	299.0	**8.0**									160
155	150	167																	55.0	298.5	**6.0**					167
155	150	170	28.1	245.4	**4.2**	*	36.3	266.5	**6.1**	*	43.0	280.9	**7.0**	*	48.8	290.6	**7.1**		54.0	296.6	**5.9**					170
155	150	180	20.2	222.2	**2.4**	*	30.4	250.8	**5.5**	*	38.0	268.8	**6.5**	*	44.4	280.8	**6.4**		50.0	288.5	**5.2**					180
155	150	190					23.2	230.3	**3.5**	*	32.5	254.2	**6.0**	*	39.6	269.4	**5.7**		45.7	279.2	**4.6**					190
155	150	192																					50.0	283.0	**3.4**	192
155	150	200									25.9	235.7	**4.7**	*	34.3	255.7	**5.1**		41.0	268.3	**4.0**		46.7	275.9	**3.0**	200

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																										Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees						
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)				
155	150	210									16.9	209.0	**2.4**	*	28.1	238.7	**4.5**		35.8	255.3	**3.6**		42.1	265.4	**2.6**		210
155	150	220													20.1	215.4	**3.5**	*	29.9	239.3	**3.1**		37.1	252.9	**2.2**		220
155	150	230																	22.6	218.3	**2.7**						230
155	150	240																	11.2	183.5	**2.2**	*					240
165	110	47	75.0	308.5	**18.0**	*																					47
165	110	50	73.9	307.7	**17.8**	*																					50
165	110	60	69.6	304.2	**17.0**	*																					60
165	110	70	65.3	299.9	**16.1**	*																					70
165	110	74					70.0	303.5	**17.6**	*																	74
165	110	80	60.7	294.5	**15.0**	*	67.2	300.8	**16.7**	*																	80
165	110	90	55.9	288.1	**13.9**	*	62.7	295.9	**15.4**	*																	90
165	110	99									65.0	296.2	**15.7**	*													99
165	110	100	50.8	280.3	**12.9**	*	58.0	290.0	**14.2**	*	64.6	295.8	**15.6**	*													100
165	110	110	45.3	271.0	**11.8**	*	53.1	282.8	**13.2**	*	60.0	290.3	**14.5**	*													110
165	110	120	39.1	259.6	**10.9**	*	47.7	274.2	**12.2**	*	55.2	283.7	**13.4**	*													120
165	110	124													60.0	286.7	**13.0**										124
165	110	130	32.0	245.0	**10.1**	*	41.9	263.8	**11.4**	*	50.0	275.7	**12.5**	*	57.1	282.9	**12.1**										130
165	110	140	23.0	224.9	**9.5**	*	35.3	250.8	**10.6**	*	44.4	266.1	**11.6**	*	52.1	275.5	**10.9**										140
165	110	148																	55.0	275.1	**8.5**						148
165	110	150					27.3	233.6	**10.0**	*	38.2	254.3	**10.9**	*	46.7	266.6	**9.7**		54.0	273.5	**8.3**						150
165	110	160					15.7	206.8	**8.8**	*	30.9	239.2	**9.8**	*	40.8	255.7	**8.8**		48.7	265.2	**7.4**						160
165	110	170									21.4	217.8	**8.7**	*	34.0	242.1	**7.9**		43.0	255.1	**6.7**						170
165	110	171																					50.0	261.4	**5.4**		171
165	110	180													25.6	223.9	**7.2**		36.5	242.7	**6.0**		44.8	252.6	**4.8**		180
165	110	190													12.5	193.0	**6.5**		28.8	226.4	**5.4**		38.7	241.0	**4.3**		190
165	110	200																	18.3	202.3	**4.8**		31.4	226.1	**3.8**		200
165	110	210																					22.1	205.4	**3.4**		210
165	120	50	75.0	318.1	**15.5**	*																					50
165	120	60	71.0	314.9	**14.8**	*																					60
165	120	70	67.0	310.9	**14.1**	*																					70
165	120	77					70.0	312.9	**15.8**	*																	77
165	120	80	62.8	306.0	**13.2**	*	68.8	311.7	**15.4**	*																	80
165	120	90	58.4	300.1	**12.3**	*	64.6	307.1	**14.2**	*																	90
165	120	100	53.8	293.2	**11.3**	*	60.4	301.7	**13.1**	*																	100

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Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees			
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)	
165	120	103									65.0	305.2	**14.0**	*												103
165	120	110	49.0	284.9	**10.4**	*	55.9	295.3	**12.2**	*	62.2	301.8	**13.4**	*												110
165	120	120	43.7	275.0	**9.5**	*	51.1	287.6	**11.3**	*	57.8	295.8	**12.4**	*												120
165	120	129													60.0	295.4	**11.5**	*								129
165	120	130	37.8	263.0	**8.8**	*	46.0	278.5	**10.5**	*	53.2	288.7	**11.5**	*	59.6	294.7	**11.5**	*								130
165	120	140	30.9	247.8	**8.1**	*	40.4	267.4	**9.7**	*	48.2	280.2	**10.7**	*	55.0	288.1	**10.6**									140
165	120	150	22.2	226.8	**7.6**	*	34.0	253.8	**9.1**	*	42.9	270.0	**10.0**	*	50.2	280.2	**9.5**									150
165	120	154																	55.0	283.3	**7.6**					154
165	120	160					26.3	235.9	**8.5**	*	36.9	257.6	**9.3**	*	45.0	270.7	**8.5**		52.0	278.4	**7.1**					160
165	120	170					15.2	208.1	**7.4**	*	29.8	241.8	**8.3**	*	39.3	259.3	**7.6**		47.0	269.5	**6.4**					170
165	120	177																					50.0	269.1	**4.7**	177
165	120	180									20.6	219.6	**7.4**	*	32.8	245.0	**6.9**		41.5	258.9	**5.7**		48.6	266.6	**4.5**	180
165	120	190													24.7	226.0	**6.2**		35.2	245.8	**5.1**		43.2	256.5	**4.0**	190
165	120	200													12.0	194.0	**5.6**		27.8	228.9	**4.6**		37.3	244.3	**3.5**	200
165	120	210																	17.7	203.8	**4.1**		30.3	228.8	**3.1**	210
165	120	220																					21.4	207.2	**2.7**	220
165	130	53	75.0	327.8	**13.1**	*																				53
165	130	60	72.3	325.5	**12.8**	*																				60
165	130	70	68.5	321.8	**12.1**	*																				70
165	130	80	64.6	317.2	**11.4**	*	70.0	322.3	**14.1**	*																80
165	130	90	60.6	311.8	**10.6**	*	66.3	318.2	**13.1**	*																90
165	130	100	56.4	305.5	**9.8**	*	62.4	313.2	**12.1**	*																100
165	130	108									65.0	314.3	**12.5**	*												108
165	130	110	52.0	298.0	**9.0**	*	58.3	307.3	**11.2**	*	64.0	313.1	**12.3**	*												110
165	130	120	47.3	289.2	**8.2**	*	54.0	300.3	**10.3**	*	60.0	307.6	**11.4**	*												120
165	130	130	42.2	278.8	**7.5**	*	49.4	292.2	**9.6**	*	55.8	301.1	**10.6**	*												130
165	130	134													60.0	304.0	**10.1**	*								134
165	130	140	36.5	266.2	**6.9**	*	44.5	282.5	**8.9**	*	51.3	293.5	**9.8**	*	57.5	300.2	**9.8**	*								140
165	130	150	29.9	250.4	**6.3**	*	39.1	271.0	**8.2**	*	46.6	284.5	**9.1**	*	53.1	293.1	**9.2**									150
165	130	159																	55.0	291.5	**6.9**					159
165	130	160	21.4	228.7	**6.0**	*	32.9	256.7	**7.7**	*	41.4	273.8	**8.5**	*	48.5	284.6	**8.2**		54.7	291.0	**6.8**					160
165	130	170					25.5	238.1	**7.0**	*	35.6	260.8	**7.8**	*	43.5	274.7	**7.4**		50.2	283.1	**6.1**					170
165	130	180					14.7	209.3	**6.2**	*	28.8	244.3	**7.0**	*	38.0	262.7	**6.6**		45.4	273.7	**5.4**					180
165	130	184																					50.0	276.7	**4.0**	184
165	130	190									19.9	221.3	**6.1**	*	31.7	247.8	**6.0**		40.1	262.5	**4.8**		46.9	270.9	**3.7**	190

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																										Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees						
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)				
165	130	200													23.8	228.1	**5.4**		34.1	248.8	**4.3**		41.8	260.3	**3.2**		200
165	130	210													11.6	194.9	**4.8**		26.9	231.2	**3.8**		36.0	247.5	**2.8**		210
165	130	220																	17.1	205.3	**3.4**		29.3	231.4	**2.4**		220
165	130	230																					20.7	209.0	**2.1**		230
165	140	55	75.0	337.5	**11.0**	*																							55
165	140	60	73.3	336.0	**10.8**	*																							60
165	140	70	69.8	332.5	**10.3**	*																							70
165	140	80	66.2	328.3	**9.7**	*																							80
165	140	84					70.0	331.7	**12.5**	*																			84
165	140	90	62.5	323.3	**9.0**	*	67.8	329.2	**11.9**	*																			90
165	140	100	58.6	317.5	**8.3**	*	64.1	324.5	**11.0**	*																			100
165	140	110	54.6	310.6	**7.6**	*	60.3	319.0	**10.2**	*																			110
165	140	112									65.0	323.4	**11.0**	*															112
165	140	120	50.3	302.7	**6.9**	*	56.4	312.7	**9.4**	*	61.9	319.1	**10.4**	*															120
165	140	130	45.8	293.5	**6.3**	*	52.2	305.2	**8.7**	*	58.1	313.1	**9.6**	*															130
165	140	139													60.0	312.7	**8.8**	*											139
165	140	140	40.9	282.5	**5.7**	*	47.8	296.6	**8.0**	*	54.0	306.2	**8.9**	*	59.6	312.1	**8.7**	*											140
165	140	150	35.4	269.4	**5.2**	*	43.1	286.4	**7.4**	*	49.7	298.1	**8.3**	*	55.6	305.5	**8.3**	*											150
165	140	160	29.0	252.9	**4.7**	*	37.9	274.4	**6.8**	*	45.1	288.6	**7.7**	*	51.4	297.9	**7.8**	*											160
165	140	165																	55.0	299.7	**6.1**								165
165	140	170	20.8	230.5	**4.5**	*	31.9	259.5	**6.1**	*	40.1	277.4	**7.1**	*	47.0	289.0	**7.1**		53.0	296.0	**5.8**								170
165	140	180					24.7	240.3	**5.5**	*	34.5	263.9	**6.5**	*	42.2	278.5	**6.4**		48.6	287.6	**5.1**								180
165	140	190					14.2	210.5	**5.0**	*	27.9	246.8	**5.8**	*	36.8	266.0	**5.7**		43.9	277.7	**4.5**		50.0	284.4	**3.4**		190
165	140	200									19.3	222.9	**5.0**	*	30.7	250.5	**5.1**		38.8	266.0	**4.0**		45.4	275.1	**2.9**		200
165	140	210													23.1	230.1	**4.6**		33.0	251.8	**3.5**		40.5	264.0	**2.5**		210
165	140	220													11.2	195.9	**4.0**	*	26.1	233.5	**3.1**		34.9	250.6	**2.1**		220
165	140	230																	16.5	206.6	**2.7**								230
165	150	58	75.0	347.1	**8.9**	*																							58
165	150	60	74.3	346.5	**8.9**	*																							60
165	150	70	71.0	343.2	**8.5**	*																							70
165	150	80	67.6	339.2	**8.0**	*																							80
165	150	87					70.0	341.0	**10.6**	*																			87
165	150	90	64.1	334.6	**7.5**	*	69.1	340.0	**10.4**	*																			90
165	150	100	60.5	329.2	**6.9**	*	65.6	335.6	**9.9**	*																			100

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62" x 70" Luffing Boom, 44" x 54" Luffing Jib, 24" x 32" Fixed Jib, ABC + LWR Counterweight

Luffing Boom Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)	Luffing Boom Angle																						Load Radius (ft)
			90 Degrees				85 Degrees				80 Degrees				75 Degrees				70 Degrees				65 Degrees				
			Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		Jib Angle (deg)	Tip Height (ft)	Capacity (kips)		
165	150	110	56.8	322.9	**6.3**	*	62.1	330.5	**9.2**	*															110
165	150	116									65.0	332.4	**9.6**	*											116
165	150	120	52.9	315.6	**5.7**	*	58.5	324.6	**8.5**	*	63.6	330.5	**9.4**	*											120
165	150	130	48.8	307.2	**5.1**	*	54.6	317.8	**7.8**	*	60.0	324.9	**8.7**	*											130
165	150	140	44.4	297.5	**4.6**	*	50.6	310.0	**7.2**	*	56.3	318.5	**8.0**	*											140
165	150	144													60.0	321.3	**7.5**	*							144
165	150	150	39.7	286.1	**4.1**	*	46.4	300.9	**6.5**	*	52.4	311.1	**7.4**	*	57.8	317.6	**7.3**	*							150
165	150	160	34.3	272.4	**3.7**	*	41.8	290.2	**5.8**	*	48.2	302.5	**6.9**	*	53.9	310.6	**6.9**	*							160
165	150	170	28.1	255.4	**3.3**	*	36.7	277.6	**5.2**	*	43.8	292.6	**6.3**	*	49.9	302.5	**6.5**	*							170
165	150	171																	55.0	307.8	**5.4**				171
165	150	180	20.2	232.2	**2.3**	*	31.0	262.3	**4.6**	*	38.9	280.9	**5.9**	*	45.6	293.2	**6.0**	*	51.4	300.8	**4.8**				180
165	150	190					23.9	242.3	**3.7**	*	33.5	266.8	**5.3**	*	40.9	282.2	**5.4**		47.2	291.9	**4.2**				190
165	150	200									27.1	249.2	**4.7**	*	35.7	269.2	**4.8**		42.6	281.6	**3.7**				200
165	150	210									18.8	224.5	**2.8**	*	29.8	253.2	**4.3**		37.7	269.4	**3.3**				210
165	150	220													22.4	232.0	**3.8**		32.1	254.6	**2.8**				220
165	150	230																	25.3	235.7	**2.4**				230
165	150	240																	16.1	208.0	**2.1**				240

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82' x 70' Luffing Boom, ABC + LWR Counterweight
Refer to Auxiliary Sheaves Notes before operating.

Luffing Boom Length (ft)	Load Radius (ft)	Luffing Boom Angle (deg)	Capacity Over End Blocked (lbs)		Capacity 360 Degree (lbs)	
85	22.8	80.0	70,000	*	70,000	*
85	25	78.5	70,000	*	70,000	*
85	30	75.0	70,000	*	70,000	*
85	35	71.4	70,000	*	68,600	
85	40	67.7	65,000	*	57,100	
85	50	59.9	54,300		42,200	
85	60	51.4	42,200		32,900	
85	70	41.5	34,000		26,500	
95	24.5	80.0	70,000	*	70,000	*
95	25	79.7	70,000	*	70,000	*
95	30	76.6	70,000	*	70,000	*
95	35	73.4	70,000	*	68,500	*
95	40	70.2	65,000	*	57,000	
95	50	63.5	54,200		42,100	
95	60	56.3	42,100		32,900	
95	70	48.3	34,000		26,500	
95	80	39.0	28,100		21,800	
105	26.3	80.0	70,000	*	70,000	*
105	30	77.9	70,000	*	70,000	*
105	35	75.1	70,000	*	68,600	
105	40	72.2	65,000	*	57,100	
105	50	66.2	54,300		42,100	
105	60	60.0	42,100		32,900	
105	70	53.2	34,000		26,500	
105	80	45.7	28,200		21,900	
105	90	36.9	23,700		18,300	

Luffing Boom Length (ft)	Load Radius (ft)	Luffing Boom Angle (deg)	Capacity Over End Blocked (lbs)		Capacity 360 Degree (lbs)	
115	28	80.0	70,000	*	70,000	*
115	30	79.0	70,000	*	70,000	*
115	35	76.4	70,000	*	68,600	
115	40	73.8	65,000	*	57,100	
115	50	68.4	54,300		42,100	
115	60	62.9	42,100		32,800	
115	70	57.0	34,000		26,500	
115	80	50.6	28,200		21,900	
115	90	43.4	23,800		18,300	
115	100	35.1	20,300		15,500	
125	29.8	80.0	70,000	*	70,000	*
125	30	79.9	70,000	*	70,000	*
125	35	77.5	70,000	*	68,600	
125	40	75.1	65,000	*	57,000	
125	50	70.3	54,200		42,100	
125	60	65.2	42,100		32,800	
125	70	60.0	34,000		26,400	
125	80	54.4	28,100		21,800	
125	90	48.3	23,700		18,300	
125	100	41.5	20,300		15,500	
125	110	33.5	17,500		13,200	

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82' x 70' Luffing Boom, ABC + LWR Counterweight
Refer to Auxiliary Sheaves Notes before operating.

Luffing Boom Length (ft)	Load Radius (ft)	Luffing Boom Angle (deg)	Capacity			
			Over End Blocked (lbs)		360 Degree (lbs)	
135	31.5	80.0	70,000	*	70,000	*
135	35	78.5	70,000	*	68,500	
135	40	76.3	65,000	*	57,000	
135	50	71.8	54,200		42,000	
135	60	67.2	42,000		32,700	
135	70	62.4	33,900		26,300	
135	80	57.4	28,000		21,700	
135	90	52.1	23,600		18,200	
135	100	46.3	20,200		15,400	
135	110	39.8	17,400		13,200	
135	120	32.2	15,100		11,300	
145	33.2	80.0	70,000	*	70,000	*
145	35	79.3	70,000	*	68,500	
145	40	77.2	65,000	*	56,900	
145	50	73.1	54,100		41,900	
145	60	68.9	41,900		32,600	
145	70	64.5	33,800		26,200	
145	80	60.0	27,900		21,600	
145	90	55.2	23,500		18,100	
145	100	50.1	20,100		15,300	
145	110	44.5	17,300		13,100	
145	120	38.3	15,000		11,200	
145	130	30.9	13,100		9,600	

Luffing Boom Length (ft)	Load Radius (ft)	Luffing Boom Angle (deg)	Capacity			
			Over End Blocked (lbs)		360 Degree (lbs)	
155	35	80.0	70,000	*	68,400	
155	40	78.1	65,000	*	56,800	
155	50	74.2	54,000		41,800	
155	60	70.3	41,800		32,400	
155	70	66.3	33,700		26,100	
155	80	62.1	27,800		21,500	
155	90	57.8	23,400		17,900	
155	100	53.2	20,000		15,200	
155	110	48.3	17,200		12,900	
155	120	42.9	14,900		11,100	
155	130	36.9	13,000		9,500	
155	140	29.8	11,400		8,200	
165	36.7	80.0	70,000	*	68,500	
165	40	78.8	65,000	*	56,700	
165	50	75.2	53,900		41,600	
165	60	71.6	41,700		32,300	
165	70	67.8	33,500		25,900	
165	80	64.0	27,700		21,300	
165	90	60.0	23,300		17,800	
165	100	55.8	19,800		15,000	
165	110	51.4	17,100		12,800	
165	120	46.6	14,600	*	10,900	
165	130	41.5	12,500	*	9,400	
165	140	35.7	10,700	*	8,100	
165	150	28.8	9,200	*	6,900	

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