

LS-218H II

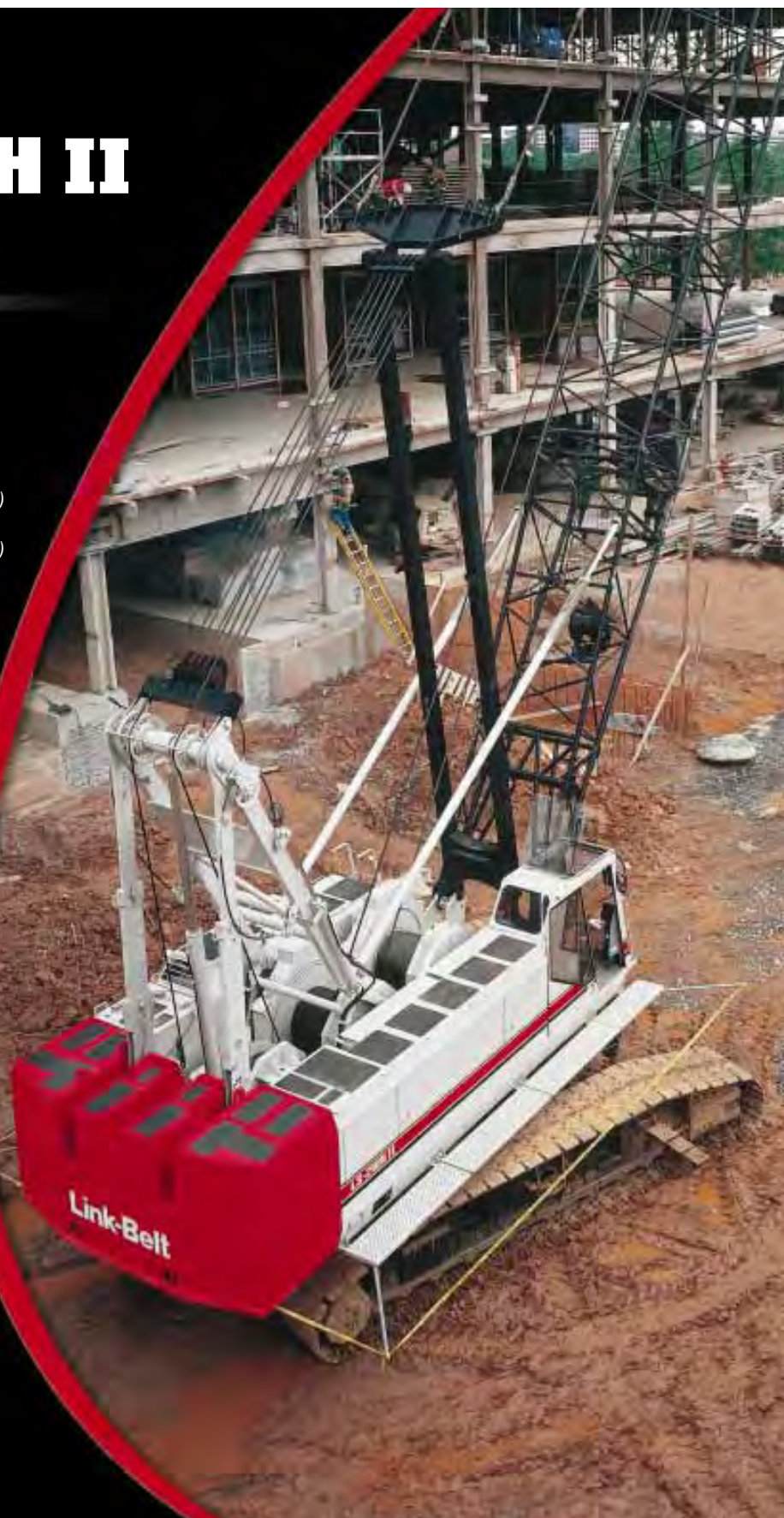
HYLAB Series

Lattice Boom Crawler Crane 110-ton (99.79 mt)*

- 110-ton (99.79 mt) at 11' (3.35 m) radius with tube boom
- 100-ton (90.72 mt) at 12' (3.66 m) radius with angle boom
- 230' (70.10 m) maximum conventional tube boom or 150' (45.72 m) of conventional angle boom
- 265' (80.77 m) maximum tube attachment
- 269' (81.99 m) maximum tip height (tube boom)
- Transport weight is less than 80,000 lbs (36 287 kg) with boom base, live mast and hoist ropes
- Lightweight modules allow maximum boom + jib to transport on five loads
- 263 hp (196 kW) Mitsubishi engine
- 55,844 lbs (25 331 kg) maximum winch line pull
- 289 fpm (88.1 mpm) maximum winch speed
- Counterweight removal system with remote control for fast, simple self-assembly
- Sealed lower

*Tube boom. Angle boom capacity is 100 tons (90 mt)

Link-Belt
CONSTRUCTION EQUIPMENT



LS-218H II

HYLAB Series

Lattice Boom Crawler Crane
110-ton (99.79 mt)

- **Pin-point control**
- **Bullet-proof reliability**
- **Big capacities**
- **Super versatility**
- **Easy, fast transport**

Since its launch more than a decade ago, Link-Belt's Hydraulic Lattice Boom (HYLAB) crane series is the most successful crawler crane product line ever built. HYLAB crawler cranes are the market leaders because of proven, customer driven design features.

Joining the HYLAB tradition of excellence is the LS-218H II, which features the innovative Quick Draw™ system, greater lift capacities, work application flexibility and a counterweight removal system which takes transportability and ease of operation to a new level.

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Load hoist drums contain a pilot-controlled bi-directional axial piston motor and a planetary gear-reduction unit to provide positive control under all load conditions.

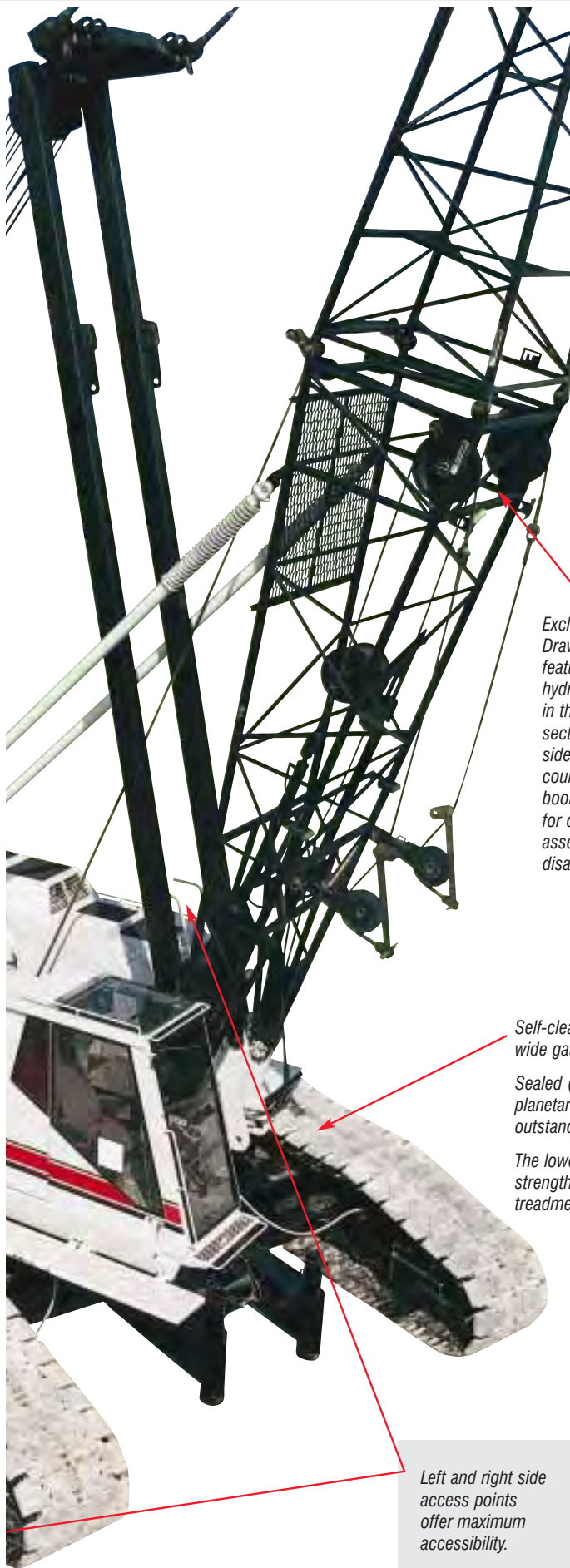


Large, swing-out doors provide outstanding access to the engine and hydraulic components for easy maintenance.

Non-slip safety strips and grated catwalks provide sure-footed access to the crane upper.



Exclusive axle extension wings easily extend for simple, efficient self-assembly and disassembly of treadmembers.



The boom top section features **standard pin-on points** for adding optional attachments such as a fixed jib, tip extension and adapters for universal pile driving leads.

Exclusive Quick Draw™ is an optional feature consisting of hydraulic cylinders in the boom base section that handle side frames, counterweights or boom extensions for quick and easy assembly and disassembly.

Self-cleaning 36" (.91 m) track shoes form an extra wide gauge of 14' 6" (4.42 m).

Sealed (oil-filled) track rollers, idler and drive planetaries and compact hydrostatic drives add up to outstanding reliability and maintenance-free operation.

The lower structure is made up of an all-welded, high strength, alloy steel carbody and precision machined treadmembers.

Left and right side access points offer maximum accessibility.



Enjoy the versatility of both angle and tube boom

Customize your crane and get the best of both worlds!

Ideally suited for lift crane work and combination lift/duty cycle requirements, the LS-218H II, with **tubular boom**, offers greater lifting capacities and the longest boom and boom/jib combination in its class.

The **optional 40'-150' (12.19 - 45.72 m) angle boom**, the most rugged and robust angle boom available, is a top notch performer in dragline, clamshell, pile driving and other severe duty cycle applications. Outfitting the angle boom with the optional live mast makes for fast assembly and disassembly.

Head machinery includes standard lift crane sheaves with optional wide mouth sheaves available for duty cycle.

The boom top section features **standard pin-on points** for an optional 5' (1.5 m) tip extension in place of jib for providing clearance between working hoist lines.

To allow for pile driving, the LS-218H II is equipped with standard **pile driving lead connection points** on the boom top section as well as an optional pile driving lead adapter.

Optional **third hoist drum** is pinned to the front of the upper frame and has free-spooling capability for pile-driving applications.

Maximum height of carbody when resting on pontoons is an impressive 42" (1.07 m)



Bulletproof hydraulics and a strong power plant

The HYLAB Series state-of-the-art variable displacement hydraulic power system has earned a job-proven reputation of **bullet-proof reliability**. Ask any owner.

The hoist drums and boom hoist drum are hydraulically-powered and fully independent. The hoist drums feature power up/down, mechanical drum pawls, grooved laggings and electronic drum rotation indicators.

Optional third drum, front-mounted, is available with controlled free-spooling option, for pile-driving requirements.

A state-of-the-art hydraulic system with counterbalance valves provides positive, smooth and precise load control.

The LS-218H II has a “**Fine Inching**” control mode for super precise control of load lowering, hoisting, boom hoist and travel.

This hydraulic hoist system features **free-fall control** operation or **automatic brake mode (power up/down)** for fast, efficient and safe operation.

The hydraulically-powered **free swing** provides smooth rotation, 360° fingertip-applied swing brake, two position house lock, two speed swing and an audio/visual swing alarm.

Powered by the **biggest and most quiet engine in its class**, the Mitsubishi engine is fuel efficient and has proven to be very reliable. It has a high cooling capacity and provides **high line speeds at higher line pulls**.



Comfort and control at your fingertips

The HYLAB crane operations control center is ergonomically designed for maximum operating comfort and control with these standard features:

- Armchair mounted, pilot-operated hydraulic controls (swing, load and boom hoist) are designed to provide outstanding operator comfort.
- Eyes-forward instrument panel with backlit automotive-style gauges
- Ergonomically designed cockpit-style operator's cab provides exceptional visibility.

Operator's cab console features include:

- Free-fall mode indicator
- Load indicator
- Anti-two block override switch
- Boom hoist override switch
- Limit alarm indicator light
- System override switch and indicator light
- Front, rear and third drum lock switch

Other in-cab features, controls and monitors include:

- Drum rotation indicators
- Service monitoring system
- Six-way adjustable seat
- Tinted and tempered safety glass
- Sliding entry door, front window and side window
- Swing up roof window with wiper
- Door and window locks
- Heater and defroster with circulating fan
- Sun visor and dome light
- Dry chemical fire extinguisher
- Hand and foot throttle
- Bubble-type level



The LS-218H II treadmembers retract to a narrow 12' (3.66 m) for transport and extend to 17' 6" (5.33 m), providing a wide, stable lifting platform.

Optimal transportability

5 loads & GO!

The LS-218H II easily transports full boom and jib on five loads. With its lightweight modular components, no other crane is faster, easier or more efficient to transport.

Fast assembly & disassembly

Link-Belt's optional **Quick Draw™** feature dramatically simplifies self-assembly, disassembly and load-out. Hydraulic cylinders in the boom base section pick up and handle the boom extensions, counterweights and treadmembers.

The exclusive, **all-hydraulic counterweight** removal system easily handles both counterweights (25,350 lbs (11 499 kg) each).

On the new LS-218H II, you can remove both counterweights, both sideframes and catwalks, pin the live mast and gantry, and be ready to load out. Reverse the process and be ready to stab boom in 45 minutes.



Hand-held remote controls make easy work of handling counterweight modules.



Link-Belt's optional Quick Draw system simplifies assembly, disassembly and counterweight removal

The LS-218H II is big, fast and strong with greater reach and capacities

The best lattice boom crawler crane in its class is even better. It can **outpick the competition** virtually everywhere on the chart. The LS-218H II also has **blocked over-end capacities**, challenging higher rated capacity cranes.

The LS-218H II **meets OSHA requirements** for anti-two block and automatic brake systems on cranes used to handle personnel.

Outreaching the nearest competitor, the LS-218H II boasts a **maximum tip height of 269' (81.99 m)** with the boom and jib used in combination.

→ **Standard toe plates** enable the operator to have **blocked over-end capacities**.





Available attachments provide strength and versatility

Conventional open throat boom

- 40' - 230' (12.19 - 70.10 m) conventional tube boom
- 40' - 150' (12.19 - 45.72 m) angle boom
- Using pin-connected sections and open throat top section, the LS-218H II provides the longest boom lengths in this machine class.
- Main chord members are made with 100,000 psi yield material with high strength lattice.
- Boom suspension is achieved through 10-part boom hoist reeving with dual pendant ropes.
- Standard equipment deflector rollers protect lattice sections from wire rope scuffing.

Auxiliary 5' (1.5 m) tip extension

- Optional — designed to provide clearance between two working hoist lines

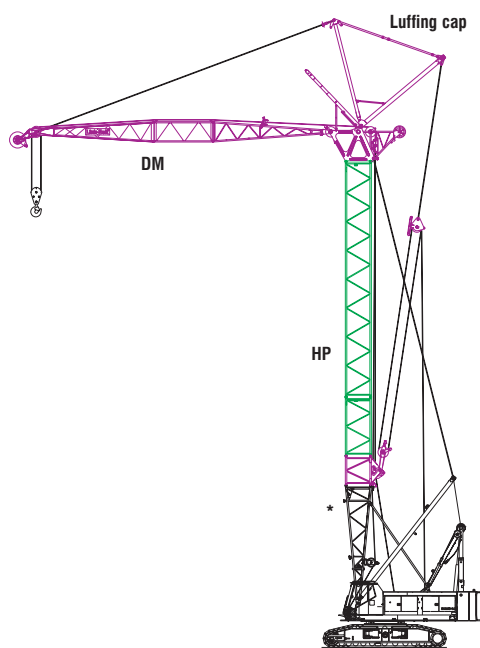
Boom and jib — open throat

- 190' + 75' (57.91 m + 22.86 m) tube boom + fixed jib
- 150' + 60' (45.72 + 18.29 m) angle boom + fixed jib
- Jib is common to other Link-Belt models.

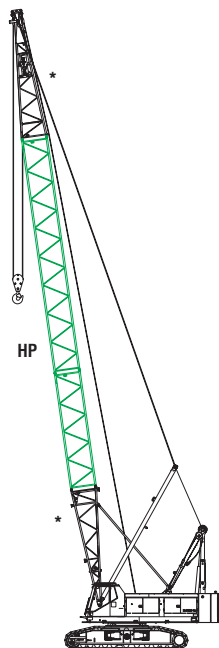
Luffing boom attachment

- 140' + 140' (42.67 + 42.67 m) luffing boom + luffing jib
- Conventional boom on LS-218H II also serves as luffing boom
- Luffing attachment for the LS-218H II is the latest design with luffing jib reeving anchored off the luffing boom to keep reeving down low within operator's view — easy to assemble.
- Top section assembly of luffer transports as one piece and makes for fast, easy assembly to the luffing jib.
- This attachment flexibility and simplicity makes the LS-218H II — conventional or with luffing attachment — the first machine of choice to go out of the yard and to the job!

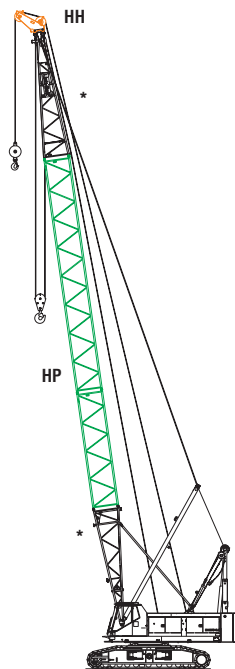
All boom sections are manufactured in Lexington, Kentucky for fast, easy service, parts and replacement.



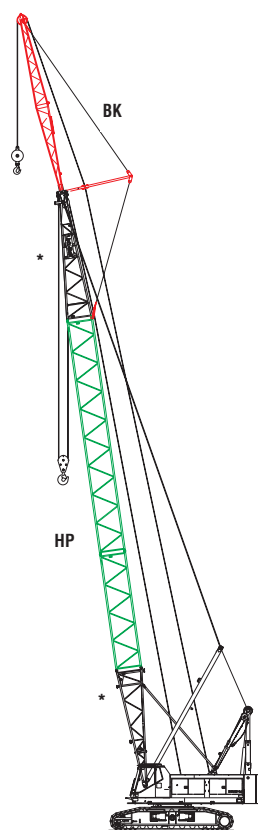
Luffing boom
& luffing jib



Conventional
open throat boom



Boom with
5' auxiliary tip



Boom and jib —
open throat

* Base/top original LS-218H II



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Lexington, Kentucky
www.linkbelt.com

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Litho in U.S.A. 11/01 #4267 (supersedes #4256)

Lifting Capacities

Lattice Boom Crawler Crane

LS-218H II

100-ton (90.72 metric ton)

HYLAB Series

Angle Boom Capacities

40' – 150' (12.19 – 45.72 m)

26' (7.92 m) Live Mast Capacities

- Extended / Retracted Side Frames
- On Carbody Jacks

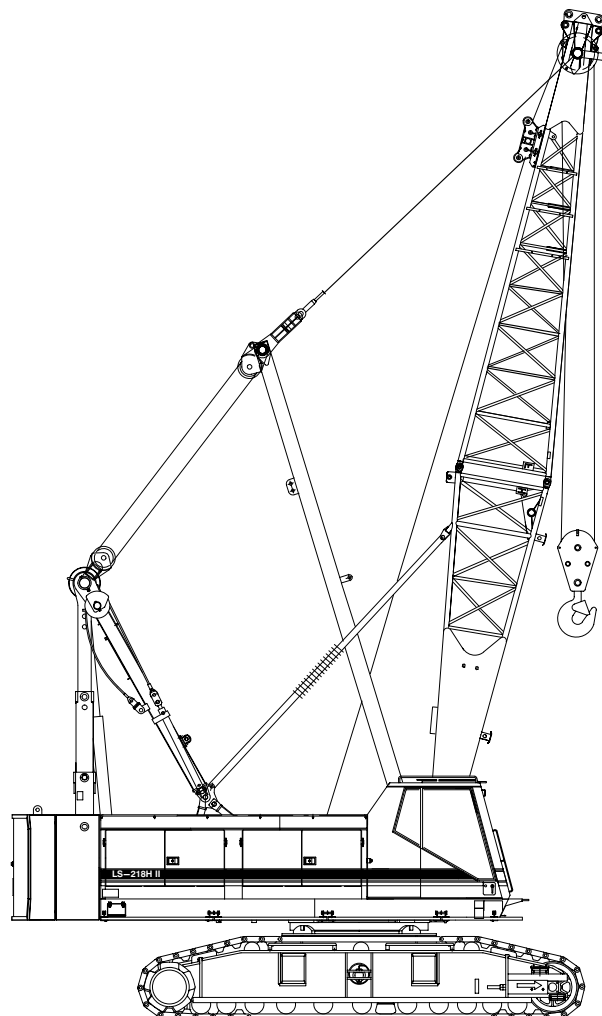
5' (1.52 m) Tip Extension Capacities

Duty Cycle Capacities

- 40' – 100' (12.19 – 30.48 m) Angle Boom
- Extended Side Frames
- Dragline
- Clamshell / Magnet
- "AB" and "A" Counterweight Options

Angle Boom Capacities

- 40' – 150' (12.19 – 45.72 m) Angle Boom
- 48" (1.22 m) Wide x 48" (1.22 m) Deep Boom
- 20' (6.10 m) Open Throat Top Section
- With or without 26' (7.92 m) Live Mast
- Extended / Retracted Side Frames
- 360° Capacities
- Over End Blocked Capacities
- "AB", "A", and "O" Counterweight Options
- 20' 10.5" in. (6.36 m) Crawler Length



CAUTION: This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual to determine allowable machine lifting capacities and operating procedures.

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CONSTRUCTION EQUIPMENT



WARNING

READ AND UNDERSTAND THE OPERATOR'S AND SAFETY MANUALS 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 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-1998, SAE J987-April 1994, and SAE J-765 October 1990.
5. Lifting capacities should be considered acceptable for wind speeds less than 20 mph and appropriately reduced for wind speeds greater than 20 mph. (See General Wind Restrictions Guide.)
6. The capacities listed are for the crane equipped with or without live mast and with the gantry in the raised position.
7. The least stable rated condition is over the side.
8. Booms should be erected and lowered over the end for maximum stability. See Lutoff Capabilities before erecting or lowering boom.
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 this 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 BLOCKED 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.

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 ball, sling, grapple, 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 foot tip extension or pile driver lead adapter is attached, reduce capacities by values shown on Capacity Deductions For Lifting Off Main Boom Hook With 5 Foot Tip Extension or Pile Driver Lead Adapter Installed. See Operator's Manual for all limitations when raising or lowering attachment.
2. The crane capacities in the shaded areas are based on structural strength. The crane capacities in the non-shaded areas are based on stability.
3. For recommended reeving, parts of line, wire rope type, and wire rope inspection, see Wire Rope Capacity Chart, Operator's Manual, and Parts Manual. Rated lifting capacities are based on correct reeving. Deduction must be made for excessive reeving. Any reeving over minimum required (see Wire Rope Capacity Chart) is considered excessive and must be accounted for when making lifts. Use Working Range Diagram to estimate the extra feet of rope. See Wire Rope Capacity for the weight to deduct for each extra foot of wire rope before attempting to lift a load.
4. Rated lifting capacities in this Crane Rating Manual are based on freely suspended loads and make no allowances for such factors as the effect of ground conditions and operating speeds. The operator shall therefore reduce load ratings in order to take these conditions into account.
5. Rated lifting capacities do not account for the effects of wind on a suspended load or boom.

TRAVELING WITH A LOAD:

1. All 360° Rotation Capacities listed in this Crane Rating Manual are pick and carry capacities.
2. The boom must be pointing straight over one end of the crawler lower. If the load was lifted over the side, swing the load over the end and/or if the load was lifted at a long radius and the load is at or near capacity for that radius, boom up to obtain a greater lifting capacity before beginning travel.
3. Engage the swing lock and apply swing brake.
4. Travel slowly and cautiously on a firm and level-supporting surface.

DEFINITIONS:

1. Load Radius: Horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of the vertical hoist line or tackle with load applied.
2. Boom Angle: The angle between the boom base section and horizontal with freely suspended load at the rated radius.
3. Working Area: Area measured in a circular arc about the centerline of rotation as shown on the Working Area Diagram.
4. Freely Suspended Load: Load hanging free with no direct external force applied except by the hoist line.
5. Side Load: Horizontal side force applied to the lifted load either on the ground or in the air.



WIRE ROPE CAPACITY

Parts of Line	1"			3/4"	
	Type "CC"	Type "RB"	Type "DB"	Type "DB"	Notes
1	30,760	22,700	29,500	16,800	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	61,520	45,400	59,000	33,600	
3	92,280	68,100	88,500	50,400	
4	123,040	90,800	118,000	67,200	
5	153,800	113,500	147,500	84,000	
6	184,560	136,200	177,000	100,800	
7	215,320	158,900	206,500	117,600	
8	246,080	181,600	236,000	134,400	
Rope weight per foot	2.03	2.00	1.85	1.04	
LBCE Type	Description				
DB	6 x 26 (6 x 19 Class) – Warrington Seale – Extra Improved Plow Steel – Preformed – Right Lay – Regular Lay – I.W.R.C.				
RB*	19 x 19 Rotation Resistant– Extra Extra Improved Plow Steel – Preformed – Right Lay – Regular Lay. Swaged – SF = 5:1				
CC	36 x 7 Class – Non–Rotating – Extra Extra Improved Plow Steel – Right Lay – Regular Lay – S.F. = 5:1				
* Use of swivel end with 1 part of line is not recommended.					
**Weight to be deducted from main capacities when using extra reeving.					

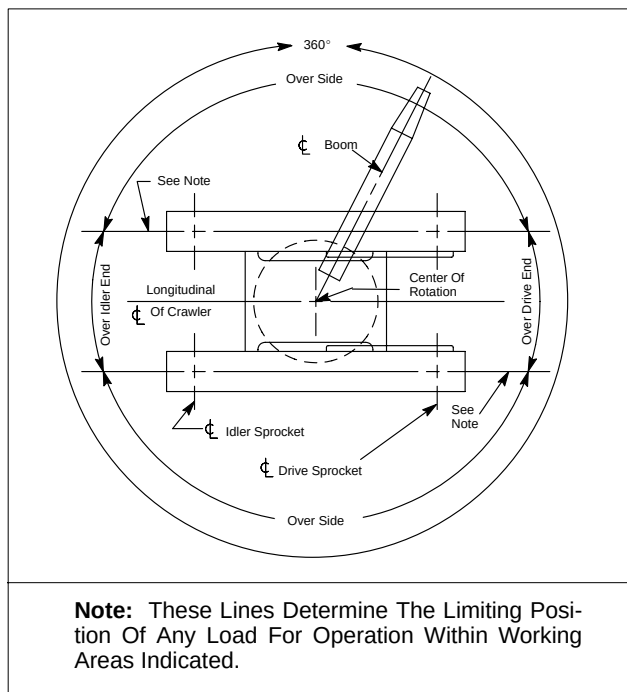
LIFTOFF CAPABILITIES

Counterweight (Side Frames)	Over End / Over Side (Gantry In Raised Position)	
	Maximum Boom (ft.)	Maximum Boom + Jib (ft.)
NO (RETRACTED)	90	N/A
NO (EXTENDED)	120	N/A
A (RETRACTED)	120	N/A
A (EXTENDED)	150	N/A
AB (EXTENDED)	150	150 + 60

NOTES:

- For maximum boom stability, booms must be erected or lowered over the end with no load – hook block on ground.
- Crane on firm and level surface.
- Gantry pins must be installed with the gantry in the raised position.
- For 140 ft. + 60 ft. or 150 ft. + 60 ft. (side frame extended) with "AB" counterweight only – Adequate blocking must be placed under both treadmembers sprockets (or idler rollers) at the end that the boom is to be lifted to prevent rocking. Liff off over end with 140 ft. + 60 ft. and 150 ft. + 60 ft. boom. The ramps supplied with the crane are considered to be adequate blocking.

WORKING AREAS



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CONSTRUCTION EQUIPMENT

GENERAL WIND RESTRICTIONS GUIDE

WARNING

Failure to follow these wind speed restrictions may result in structural failure of the boom, which would cause property damage and/or bodily injury.

1. 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.
2. Wind speed is to be determined at the boom top section.

WIND SPEED CHART

Boom Lengths: 40' to 250'	
DESCRIPTION	ALLOWABLE WINDSPEEDS
1. Normal Lifting Operation. (See Capacity Charts.)	0–20 m.p.h.
2. Reduced Operation. Capacities must be reduced by 20%.	21–30 m.p.h.
3. Reduced Operation. Capacities must be reduced by 40%.	31–40 m.p.h.
4. Reduced Operation. Capacities must be reduced by 70%.	41–45 m.p.h.
4. No Operation. Store Attachment On Ground.	Over 45 m.p.h.

CRANE ASSEMBLY COMPONENT WEIGHTS

Component	Weight	
	lbs.	kg
1. 20 Ft. Top Section With Sheave Machinery	3,646	1 654
2. 20 Ft. Top Section With Sheave Machinery and 5 Ft. Tip Extension	4,286	1 944
3. 20 Ft. Base Section	2,695	1 222
4. Boom Extensions		
• 10' Boom Extension With Pendants	823	373
• 20' Boom Extension With Pendants	1,318	598
• 30' Boom Extension With Pendants	1,845	837
5. Upper Counterweights		
• Counterweight "A"	25,350	11 499
• Counterweight "B"	25,350	11 499
6. Side Frames (Each)	23,561	10 687
7. Tube Jib Including Strut, Head Machinery, and Pendants		
• 30' Tube Jib Assembly	1,965	891
• 15' Extension With Pendants	290	132

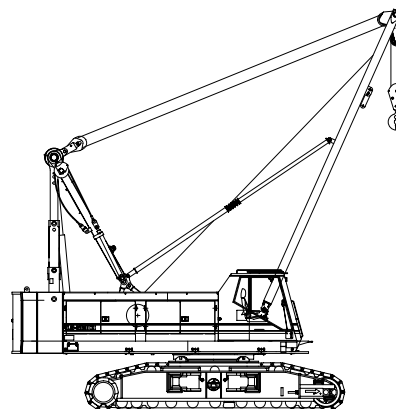
LIVE MAST LIFTING CAPACITIES

Live Mast		Load (lbs.) (See Note 10)
Radius (ft.)	Angle (deg)	
10	78.0	30,000
11	75.7	30,000
12	73.4	30,000
13	71.1	25,000
14	68.8	20,000
15	66.4	20,000
16	64.0	15,000
17	61.5	15,000
18	59.0	15,000
19	56.4	15,000
20	53.7	15,000
21	50.9	10,000
22	48.0	10,000
23	44.9	10,000
24	41.7	10,000
25	38.3	10,000

NOTES:

1. Refer to the Operator's Manual.
2. Live mast backstops must be in position and operative.
3. Assemble track frames to carbody prior to assembly of counterweights to upper frame.
4. Reeve hoist rope with three (3) parts of 1" diameter wire rope on rear drum.
5. The crane shall be leveled on a firm supporting surface.
6. All capacities are listed in pounds and are not more than 75% of the tipping loads.
7. For self-assembly of counterweights, boom extensions, and side frames only. See Crane Assembly Component Weights chart for weight of components for crane assembly.
8. Rated capacities for 360° rotation.
9. Gantry must be in the high (working) position.
10. Mast capacities apply to the following conditions:

	COUNTERWEIGHTS		
	NONE	A	AB
ON CARBODY JACKS	✓	N/A	N/A
SIDE FRAMES RETRACTED	✓	✓	N/A
SIDE FRAMES EXTENDED	✓	✓	✓



DUTY CYCLE NOTES FOR ANGLE BOOM

- The capacities included in the "Duty Cycle Capacities – Angle Boom" chart are the maximum allowable, and are based on an LS-218H II crawler crane with counterweight standing level on firm supporting surface under ideal job conditions.
- Capacities are based on 75% of minimum tipping loads for dragline; 67.5% for clamshell.
- Capacities are maximum recommended by PCSA Standard #4. Operator must make allowances for soft or uneven supporting surfaces, rapid cycle operations, bucket suction, or other unfavorable conditions which may require smaller buckets for most efficient operation.
- Weight of bucket plus load, must not exceed these capacities.
- Dragline operation is not recommended with boom angles less than 35°.
- Boom length for dragline/clamshell attachment operation should not exceed 100 ft.
- Retractable high gantry must be pinned in the raised position for all capacities on the "Duty Cycle Capacities – Angle Boom" chart.
- These capacities apply to the crane as originally manufactured and normally equipped by Link-Belt Construction Equipment Company.

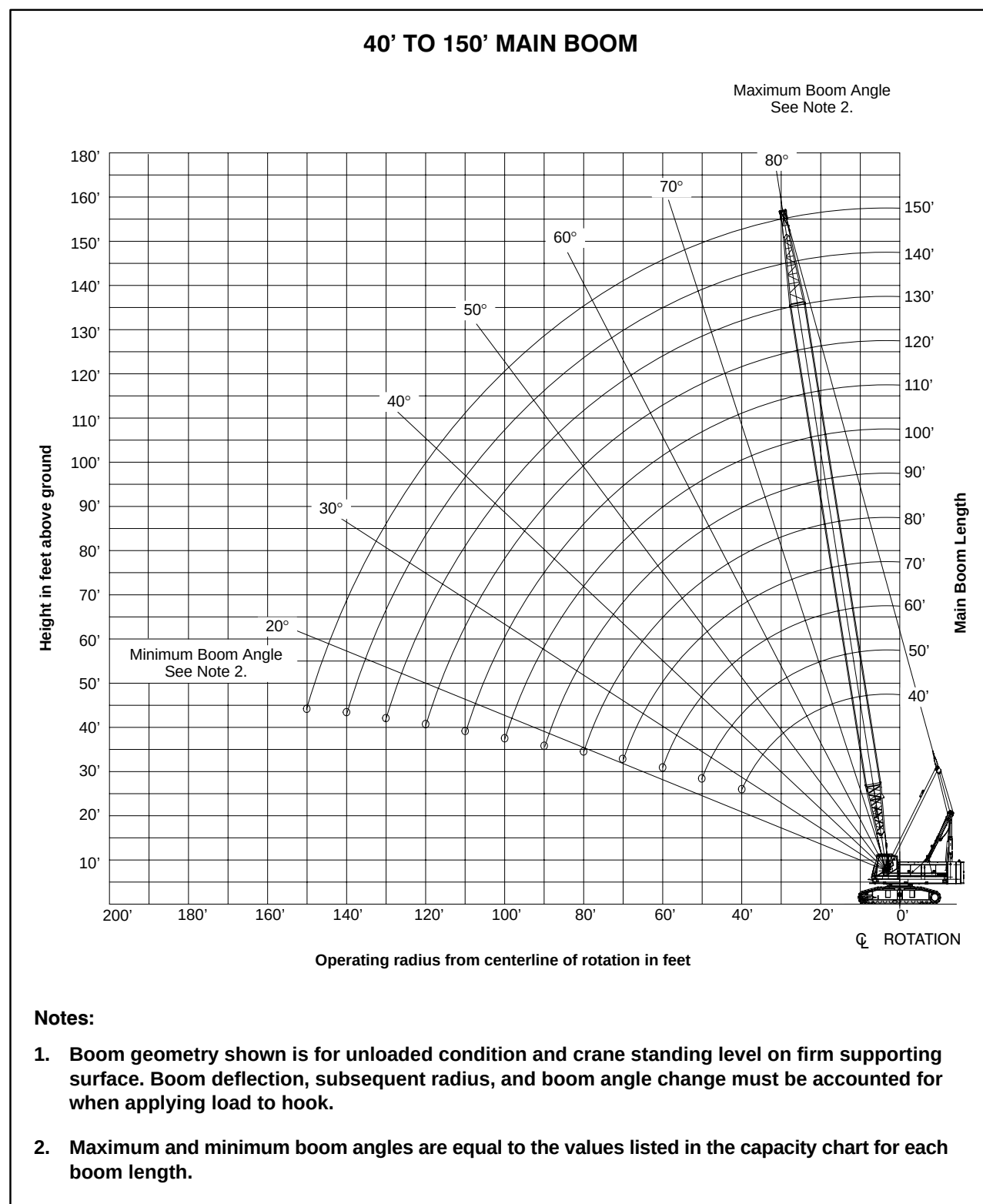
DUTY CYCLE CAPACITIES – ANGLE BOOM

Load Radius (ft.)	Boom Length (ft.)	Boom Angle (deg)	Side Frames Extended "A" Counterweight (All capacities listed are in pounds)			
			Dragline		Clamshell / Magnet	
			"A" cwtwt	"AB" cwtwt	"A" cwtwt	"AB" cwtwt
40	11	80.8	---	---	29,500	29,500
40	12	79.3	---	---	29,500	29,500
40	13	77.9	---	---	29,500	29,500
40	14	76.4	---	---	29,500	29,500
40	15	74.9	---	---	29,500	29,500
40	16	73.4	---	---	29,500	29,500
40	17	71.9	---	---	29,500	29,500
40	18	70.4	---	---	29,500	29,500
40	19	68.9	---	---	29,500	29,500
40	20	67.3	---	---	29,500	29,500
40	25	59.3	29,500	29,500	29,500	29,500
40	30	50.6	29,500	29,500	29,500	29,500
40	35	40.5	29,500	29,500	29,500	29,500
40	40	27.7	---	---	28,530	29,500
50	12	81.5	---	---	29,500	29,500
50	13	80.3	---	---	29,500	29,500
50	14	79.2	---	---	29,500	29,500
50	15	78.0	---	---	29,500	29,500
50	16	76.8	---	---	29,500	29,500
50	17	75.6	---	---	29,500	29,500
50	18	74.4	---	---	29,500	29,500
50	19	73.3	---	---	29,500	29,500
50	20	72.1	---	---	29,500	29,500
50	25	65.9	---	---	29,500	29,500
50	30	59.5	29,500	29,500	29,500	29,500
50	35	52.5	29,500	29,500	29,500	29,500
50	40	44.9	28,710	29,500	28,710	29,500
50	50	24.8	---	---	20,800	29,500
60	13	81.9	---	---	29,500	29,500
60	14	81.0	---	---	29,500	29,500
60	15	80.0	---	---	29,500	29,500
60	16	79.0	---	---	29,500	29,500
60	17	78.1	---	---	29,500	29,500
60	18	77.1	---	---	29,500	29,500
60	19	76.1	---	---	29,500	29,500
60	20	75.1	---	---	29,500	29,500
60	25	70.1	---	---	29,500	29,500
60	30	64.9	---	---	29,500	29,500
60	35	59.6	29,500	29,500	29,500	29,500
60	40	53.8	28,710	29,500	28,710	29,500
60	50	40.8	20,800	29,500	20,880	29,500
60	60	22.6	---	---	15,930	23,220
70	15	81.5	---	---	29,500	29,500
70	16	80.6	---	---	29,500	29,500
70	17	79.8	---	---	29,500	29,500
70	18	79.0	---	---	29,500	29,500

Boom Length (ft.)	Load Radius (ft.)	Boom Angle (deg)	Side Frames Extended "A" Counterweight (All capacities listed are in pounds)			
			Dragline		Clamshell / Magnet	
			"A" cwtwt	"AB" cwtwt	"A" cwtwt	"AB" cwtwt
70	19	78.1	---	---	29,500	29,500
70	20	77.3	---	---	29,500	29,500
70	25	73.1	---	---	29,500	29,500
70	30	68.7	---	---	29,500	29,500
70	35	64.3	---	---	29,500	29,500
70	40	59.6	28,620	29,500	28,620	29,500
70	50	49.6	20,790	29,500	20,790	29,500
70	60	37.7	15,930	25,700	15,930	23,130
70	70	20.9	---	---	12,510	18,630
80	16	81.8	---	---	29,500	29,500
80	17	81.1	---	---	29,500	29,500
80	18	80.4	---	---	29,500	29,500
80	19	79.6	---	---	29,500	29,500
80	20	78.9	---	---	29,500	29,500
80	25	75.2	---	---	29,500	29,500
80	30	71.5	---	---	29,500	29,500
80	35	67.7	---	---	29,500	29,500
80	40	63.7	---	---	28,440	29,500
80	50	55.4	20,610	29,500	20,610	29,500
80	60	46.2	15,750	25,600	15,750	23,040
80	70	35.2	12,420	20,600	12,420	18,540
80	80	19.5	---	---	9,900	15,210
90	18	81.4	PROHIBITED	---	PROHIBITED	29,500
90	19	80.8		---		29,500
90	20	80.1		---		29,500
90	25	76.9		---		29,500
90	30	73.6		---		29,500
90	35	70.3		---		29,500
90	40	66.8		---		29,500
90	50	59.7		29,500		29,430
90	60	52.0		25,400		22,860
90	70	43.4		20,400		18,360
90	80	33.1		---		15,030
90	90	18.4		---		12,510
100	19	81.7	PROHIBITED	---	PROHIBITED	29,500
100	20	81.1		---		29,500
100	25	78.2		---		29,500
100	30	75.3		---		29,500
100	35	72.3		---		29,500
100	40	69.3		---		29,500
100	50	63.0		---		29,250
100	60	56.4		25,100		22,590
100	70	49.2		20,200		18,180
100	80	41.1		16,500		14,850
100	90	31.3		---		12,330
100	100	17.4		---		10,350



WORKING RANGE DIAGRAM



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 (ft.)	Capacity Deduction (lb)
30	2,000
45	2,400
60	3,200

CAPACITY DEDUCTIONS FOR LIFTING OFF MAIN BOOM HOOK WITH 5 FOOT TIP EXTENSION OR PILE DRIVER LEAD ADAPTERS INSTALLED

When using main boom hook, while 5 foot tip extension or pile driver lead adapter is attached, reduce boom capacities by the values in the following chart:

Extension/Adapter	Capacity Deduction (lb)
5 (ft.)	700
Pile Driver Lead Adapter	200

MAXIMUM ALLOWABLE CAPACITIES FOR 5 FOOT TIP EXTENSION

LIFTING CAPACITY TO BE THE SMALLEST OF THE FOLLOWING VALUES:

- 18,000 lb (Maximum).
- The standard crane lift capacity minus 700 lb for the crane configuration in use.

NOTES:

- All notes are to be adhered to as listed on the standard lift crane capacity charts.
- Reduce the main boom lift capacities by 700 lb when the tip extension is installed.
- The maximum boom length on which the tip extension can be installed is 150 ft.
- Do not lift or suspend a load from the boom tip extension and main boom at the same time.

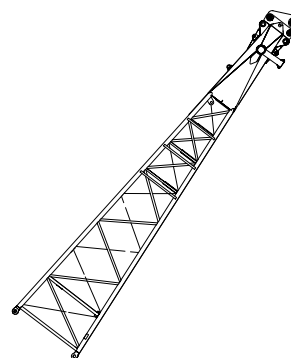
MAXIMUM ALLOWABLE CAPACITIES FOR PILE DRIVER LEAD ADAPTER

LIFTING CAPACITY TO BE THE SMALLEST OF THE FOLLOWING VALUES:

- 70,000 lbs.
- The standard crane lift capacity minus 200 lbs. for crane configuration in use.

NOTES:

- All notes are to be adhered to as listed on the standard lift crane capacity charts.
- Reduce the main boom lift capacities by 200 lb when the pile driver lead adapter is installed.
- The maximum boom length on which the pile driver lead adapter can be installed is 150 ft.

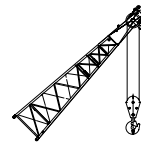
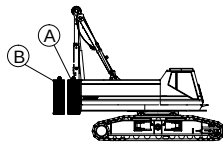


20' Open Throat Boom With Pile Driver Lead Adapter



Link-Belt

CONSTRUCTION EQUIPMENT



Note: Refer To Page 7 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.

MAIN BOOM CAPACITIES – 40 FT OPEN THROAT ANGLE BOOM							
Load Radius (Ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	0 CTWT (lb)
11	80.8	200,000	200,000	199,600	179,600	139,600	85,500
12	79.3	200,000	200,000	184,200	165,700	119,900	73,200
13	77.9	190,600	190,600	171,000	137,100	105,000	63,900
14	76.4	177,900	177,900	159,500	115,700	93,200	56,500
15	74.9	166,600	166,600	149,400	100,000	83,800	50,600
16	73.4	156,700	156,700	133,500	87,900	76,000	45,800
17	71.9	147,800	147,800	119,200	78,300	69,500	41,700
18	70.4	139,900	139,900	107,500	70,500	63,900	38,200
19	68.9	132,700	132,700	97,900	64,000	59,100	35,200
20	67.3	126,300	123,500	89,800	58,600	55,000	32,600
25	59.3	101,200	87,200	63,000	40,700	40,300	23,500
30	50.6	80,400	66,900	48,000	30,600	31,400	17,900
35	40.5	64,100	53,800	38,400	24,200	25,400	14,100
40	27.7	52,900	44,800	31,700	19,600	21,000	11,300

MAIN BOOM CAPACITIES – 70 FT OPEN THROAT ANGLE BOOM							
Load Radius (Ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	0 CTWT (lb)
15	81.5	165,300	165,300	148,200	100,900	83,900	50,800
16	80.6	155,500	155,500	134,300	88,600	76,100	45,900
17	79.8	146,800	146,800	119,800	78,900	69,500	41,700
18	79.0	138,900	138,900	108,100	71,000	63,900	38,200
19	78.1	131,800	131,800	98,300	64,500	59,100	35,200
20	77.3	125,300	123,900	90,200	59,000	54,900	32,600
25	73.1	100,300	87,300	63,200	40,800	40,200	23,300
30	68.7	80,600	66,900	48,100	30,700	31,200	17,700
35	64.3	64,200	53,900	38,400	24,200	25,200	14,000
40	59.6	53,100	44,800	31,800	19,700	20,900	11,300
50	49.6	38,900	33,100	23,100	13,800	15,200	7,600
60	37.7	30,200	25,700	17,700	10,200	11,400	5,200
70	20.9	24,300	20,700	13,900	7,600	8,800	3,500

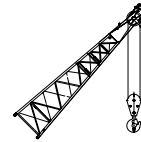
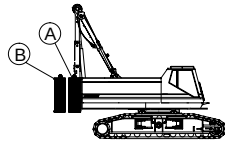
MAIN BOOM CAPACITIES – 50 FT OPEN THROAT ANGLE BOOM							
Load Radius (Ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	0 CTWT (lb)
12	81.5	200,000	200,000	183,800	165,400	120,200	73,500
13	80.3	190,300	190,300	170,600	137,800	105,300	64,100
14	79.2	177,500	177,500	159,200	116,300	93,500	56,800
15	78.0	166,300	166,300	149,100	100,500	84,000	50,800
16	76.8	156,400	156,400	134,000	88,300	76,200	45,900
17	75.6	147,600	147,600	119,600	78,600	69,600	41,800
18	74.4	139,700	139,700	107,900	70,800	64,000	38,400
19	73.3	132,500	132,500	98,200	64,300	59,300	35,400
20	72.1	126,100	123,800	90,100	58,900	55,100	32,800
25	65.9	101,000	87,400	63,200	40,900	40,400	23,600
30	59.5	80,600	67,000	48,200	30,800	31,500	18,000
35	52.5	64,300	54,000	38,600	24,300	25,500	14,200
40	44.9	53,100	45,000	31,900	19,800	21,200	11,500
50	24.8	38,900	33,200	23,200	13,900	15,300	7,800

MAIN BOOM CAPACITIES – 80 FT OPEN THROAT ANGLE BOOM							
Load Radius (Ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	0 CTWT (lb)
16	81.8	154,900	154,900	134,300	88,700	76,000	45,700
17	81.1	146,200	146,200	119,800	78,900	69,400	41,600
18	80.4	138,400	138,400	108,100	71,000	63,800	38,100
19	79.6	131,300	131,300	98,300	64,400	59,000	35,100
20	78.9	124,800	123,900	90,100	58,900	54,800	32,400
25	75.2	99,900	87,200	63,000	40,700	40,000	23,200
30	71.5	80,500	66,800	47,900	30,500	31,000	17,500
35	67.7	64,100	53,700	38,300	24,000	25,000	13,800
40	63.7	52,900	44,700	31,600	19,500	20,700	11,100
50	55.4	38,700	32,900	22,900	13,700	15,000	7,400
60	46.2	30,100	25,600	17,500	10,000	11,200	5,100
70	35.2	24,200	20,600	13,800	7,500	8,600	3,400
80	19.5	19,900	16,900	11,000	5,600	6,700	2,100

MAIN BOOM CAPACITIES – 60 FT OPEN THROAT ANGLE BOOM							
Load Radius (Ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	0 CTWT (lb)
13	81.9	189,700	189,700	170,100	138,300	105,300	64,200
14	81.0	177,000	177,000	158,700	116,700	93,500	56,800
15	80.0	165,900	165,900	148,700	100,700	84,000	50,900
16	79.0	156,000	156,000	134,200	88,500	76,200	46,000
17	78.1	147,200	147,200	119,700	78,800	69,600	41,800
18	77.1	139,300	139,300	108,000	71,000	64,000	38,300
19	76.1	132,200	132,200	98,300	64,400	59,200	35,300
20	75.1	125,700	123,900	90,200	59,000	55,000	32,700
25	70.1	100,700	87,400	63,200	40,900	40,300	23,500
30	64.9	80,600	67,000	48,200	30,800	31,400	17,900
35	59.6	64,300	54,000	38,600	24,300	25,400	14,100
40	53.8	53,100	44,900	31,900	19,800	21,100	11,400
50	40.8	39,000	33,200	23,200	14,000	15,300	7,800
60	22.6	30,300	25,800	17,700	10,200	11,500	5,300

MAIN BOOM CAPACITIES – 90 FT OPEN THROAT ANGLE BOOM							
Load Radius (Ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	0 CTWT (lb)
18	81.4	137,900	137,900	108,000	70,900	63,600	37,900
19	80.8	130,800	130,800	98,200	64,400	58,800	34,900
20	80.1	124,300	123,800	90,000	58,800	54,600	32,200
25	76.9	99,400	87,100	62,900	40,600	39,800	22,900
30	73.6	80,300	66,600	47,800	30,400	30,800	17,300
35	70.3	63,900	53,500	38,100	23,900	24,800	13,500
40	66.8	52,700	44,500	31,400	19,300	20,500	10,800
50	59.7	38,500	32,700	22,700	13,500	14,700	7,200
60	52.0	29,900	25,400	17,300	9,800	11,000	4,800
70	43.4	24,000	20,400	13,600	7,300	8,400	3,200
80	33.1	19,800	16,700	10,900	5,500	6,500	2,000
90	18.4	16,600	13,900	8,800	4,000	5,000	—





MAIN BOOM CAPACITIES – 100 FT OPEN THROAT ANGLE BOOM							
Load Radius (Ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	0 CTWT (lb)	A CTWT (lb)	0 CTWT (lb)
19	81.7	130,200	130,200	98,100	64,300	58,600	PROHIBITED
20	81.1	123,800	123,700	89,900	58,700	54,400	
25	78.2	98,900	86,900	62,700	40,400	39,600	
30	75.3	80,200	66,400	47,600	30,200	30,600	
35	72.3	63,700	53,300	37,900	23,600	24,600	
40	69.3	52,500	44,200	31,200	19,100	20,200	
50	63.0	38,300	32,500	22,500	13,200	14,500	
60	56.4	29,600	25,100	17,000	9,600	10,800	
70	49.2	23,800	20,200	13,400	7,100	8,200	
80	41.1	19,600	16,500	10,700	5,200	6,300	
90	31.3	16,400	13,700	8,600	3,800	4,800	
100	17.4	13,800	11,500	6,900	2,700	3,600	

MAIN BOOM CAPACITIES – 130 FT OPEN THROAT ANGLE BOOM							
Load Radius (Ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	0 CTWT (lb)	A CTWT (lb)	0 CTWT (lb)
25	81.0	82,900	73,500	62,200	PROHIBITED		
30	78.7	72,500	62,500	46,900			
35	76.5	62,500	52,600	37,200			
40	74.2	51,900	43,500	30,500			
50	69.6	37,600	31,700	21,700			
60	64.8	28,900	24,400	16,300			
70	59.8	23,000	19,400	12,600			
80	54.5	18,800	15,700	9,900			
90	48.9	15,600	13,000	7,800			
100	42.8	13,100	10,800	6,200			
110	35.8	11,100	9,000	4,900			
120	27.4	9,500	7,600	3,800			
130	15.3	8,000	6,300	2,900			

MAIN BOOM CAPACITIES – 110 FT OPEN THROAT ANGLE BOOM							
Load Radius (Ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	0 CTWT (lb)	A CTWT (lb)	0 CTWT (lb)
20	81.9	120,600	120,600	89,800	58,600	54,100	PROHIBITED
25	79.3	98,400	86,700	62,600	40,200	39,300	
30	76.6	80,000	66,200	47,400	30,000	30,300	
35	74.0	63,500	53,100	37,700	23,400	24,300	
40	71.2	52,300	44,000	30,900	18,900	20,000	
50	65.6	38,100	32,200	22,200	13,000	14,200	
60	59.8	29,400	24,900	16,800	9,300	10,500	
70	53.5	23,600	19,900	13,100	6,800	7,900	
80	46.7	19,300	16,300	10,400	5,000	6,000	
90	39.1	16,200	13,500	8,400	3,600	4,500	
100	29.8	13,600	11,300	6,700	2,500	3,300	
110	16.6	11,600	9,500	5,400	—	2,400	

MAIN BOOM CAPACITIES – 140 FT OPEN THROAT ANGLE BOOM							
Load Radius (Ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	0 CTWT (lb)	A CTWT (lb)	0 CTWT (lb)
25	81.6	65,200	62,800	62,000	PROHIBITED		
30	79.5	55,400	52,600	46,700			
35	77.5	52,100	44,700	37,000			
40	75.4	45,600	39,100	30,200			
50	71.1	34,800	28,300	21,400			
60	66.7	26,500	21,900	16,000			
70	62.1	21,200	17,000	12,300			
80	57.4	16,900	13,600	9,600			
90	52.4	14,000	11,200	7,500			
100	47.0	11,500	9,500	5,900			
110	41.2	9,800	7,800	4,600			
120	34.5	8,500	6,700	3,500			
130	26.4	7,300	5,800	2,600			
140	14.7	4,500	4,500	—			

MAIN BOOM CAPACITIES – 120 FT OPEN THROAT ANGLE BOOM							
Load Radius (Ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	0 CTWT (lb)	A CTWT (lb)	0 CTWT (lb)
25	80.2	93,400	86,600	62,400	40,000	39,100	PROHIBITED
30	77.8	79,800	66,000	47,200	29,800	30,100	
35	75.3	63,300	52,900	37,400	23,200	24,000	
40	72.8	52,100	43,800	30,700	18,600	19,700	
50	67.8	37,800	32,000	22,000	12,700	13,900	
60	62.5	29,200	24,600	16,500	9,100	10,200	
70	57.0	23,300	19,600	12,800	6,500	7,600	
80	51.1	19,100	16,000	10,100	4,700	5,700	
90	44.6	15,900	13,200	8,100	3,300	4,300	
100	37.3	13,400	11,100	6,500	2,200	3,100	
110	28.6	11,400	9,300	5,200	—	2,100	
120	15.9	9,700	7,800	4,000	—	—	

MAIN BOOM CAPACITIES – 150 FT OPEN THROAT ANGLE BOOM							
Load Radius (Ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	0 CTWT (lb)	A CTWT (lb)	0 CTWT (lb)
30	80.2	46,600	46,600	46,500	PROHIBITED		
35	78.3	40,200	40,200	36,700			
40	76.3	35,200	35,200	29,900			
50	72.4	25,800	25,800	21,200			
60	68.3	20,300	20,300	15,700			
70	64.1	16,000	16,000	12,000			
80	59.8	12,700	12,700	9,300			
90	55.3	10,300	10,300	7,200			
100	50.5	8,500	8,500	5,600			
110	45.4	7,200	7,200	4,300			
120	39.7	6,000	6,000	3,300			
130	33.3	5,100	5,100	2,300			
140	25.5	4,300	4,300	—			
150	14.2	3,200	3,200	—			



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Link-Belt

CONSTRUCTION EQUIPMENT

Link-Belt Construction Equipment Company Lexington, Kentucky www.linkbelt.com

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Lifting Capacities

Lattice Boom Crawler Crane

LS-218H II

110-ton * (100 metric ton)

HYLAB Series

Tube Boom Capacities

40–230 ft. (12.19 – 70.10 m)

26 ft. (7.92 m) Live Mast Capacities

- Extended / Retracted Side Frames
- On Carbody Jacks

Quick Draw Capacities

- Extended / Retracted Side Frames
- On Carbody Jacks

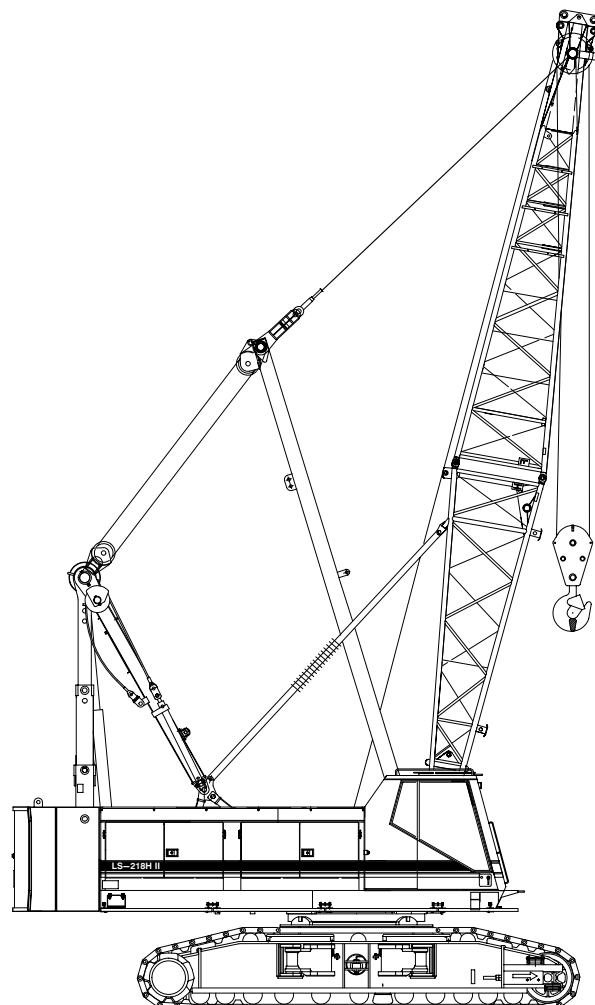
5 ft. (1.52 m) Tip Extension Capacities

Duty Cycle Capacities

- 40–80 ft. (12.19 – 24.38 m) Tube Boom
- Extended Side Frames
- Dragline
- Clamshell / Magnet
- "A" Counterweight

Tube Boom Capacities

- 40 – 230 ft. (12.19 – 70.10 m) Tube Boom
- 60 in. (1.52 m) Wide x 50 in. (1.55 m) Deep Boom
- 20 ft. (6.10 m) Open Throat Top Section
- With 26 ft. (7.92 m) Live Mast
- Extended / Retracted Side Frames
- 360° Capacities
- Over End Blocked Capacities
- "AB", "A", or "O" Counterweight Options
- 20 ft. – 10.5 in. (6.36 m) Crawler Length



* With optional three sheave head machinery. Maximum capacity 100 tons (90 mt).

CAUTION: This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual to determine allowable machine lifting capacities and operating procedures.



WARNING

READ AND UNDERSTAND THE OPERATOR'S AND SAFETY MANUALS 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 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 B30.5 at date of manufacture.

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 ball, sling, grapple, 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 foot tip extension or pile driver lead adapter is attached, reduce capacities by values shown on Capacity Deductions For Lifting Off Main Boom Hook With 5 Foot Tip Extension or Pile Driver Lead Adapter Installed. See Operator's Manual for all limitations when raising or lowering attachment.
2. The crane capacities in the shaded areas are based on structural strength. The crane capacities in the non-shaded areas are based on stability.
3. For recommended reeving, parts of line, wire rope type, and wire rope inspection, see Wire Rope Capacity Chart, Operator's Manual, and Parts Manual. Rated lifting capacities are based on correct reeving. Deduction must be made for excessive reeving. Any reeving over minimum required (see Wire Rope Capacity Chart) is considered excessive and must be accounted for when making lifts. Use Working Range Diagram to estimate the extra feet of rope. See Wire Rope Capacity for the weight to deduct for each extra foot of wire rope before attempting to lift a load.
4. Rated lifting capacities in this Crane Rating Manual are based on freely suspended loads and make no allowances for such factors as the effect of ground conditions and operating speeds. The operator shall therefore reduce load ratings in order to take these conditions into account.
5. Rated lifting capacities do not account for the effects of wind on a suspended load or boom.

Lifting capacities should be considered acceptable for wind speeds less than 20 mph and appropriately reduced for wind speeds greater than 20 mph. (See General Wind Restrictions Guide.)

6. The capacities listed in this Crane Rating Manual are for the crane equipped with live mast and with the gantry in the raised position.
7. The least stable rated condition is over the side.
8. Booms should be erected and lowered over the end for maximum stability. See Lutoff Capabilities before erecting or lowering boom.
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 this 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 BLOCKED 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.

TRAVELING WITH A LOAD:

1. All 360° Rotation Capacities listed in this Crane Rating Manual are pick and carry capacities.
2. The boom must be pointing straight over one end of the crawler lower. If the load was lifted over the side, swing the load over the end and/or if the load was lifted at a long radius and the load is at or near capacity for that radius, boom up to obtain a greater lifting capacity before beginning travel.
3. Engage the swing lock and apply swing brake.
4. Travel slowly and cautiously on a firm and level-supporting surface.

DEFINITIONS:

1. Load Radius: Horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of the vertical hoist line or tackle with load applied.
2. Boom Angle: The angle between the boom base section and horizontal with freely suspended load at the rated radius.
3. Working Area: Area measured in a circular arc about the centerline of rotation as shown on the Working Area Diagram.
4. Freely Suspended Load: Load hanging free with no direct external force applied except by the hoist line.
5. Side Load: Horizontal side force applied to the lifted load either on the ground or in the air.



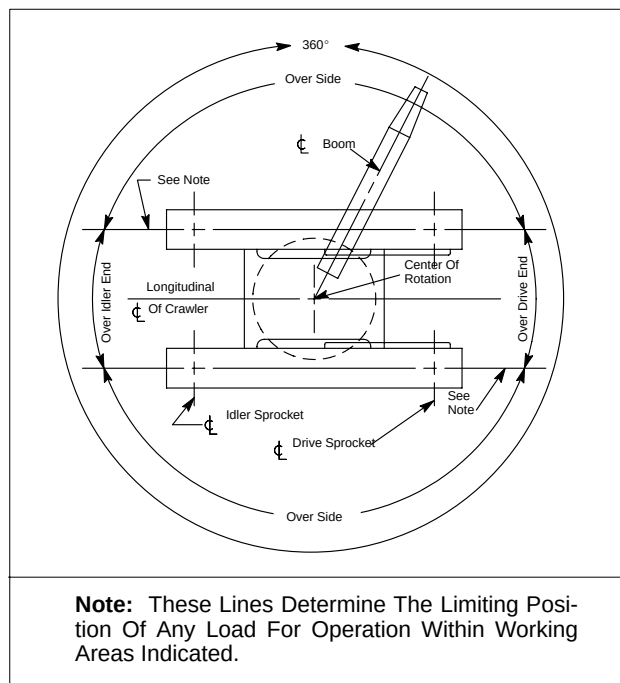
WIRE ROPE CAPACITY

Parts of Line	1"			3/4"	
	Type "CC"	Type "RB"	Type "DB"	Type "DB"	Notes
1	30,760	22,700	29,500	16,800	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	61,520	45,400	59,000	33,600	
3	92,280	68,100	88,500	50,400	
4	123,040	90,800	118,000	67,200	
5	153,800	113,500	147,500	84,000	
6	184,560	136,200	177,000	100,800	
7	215,320	158,900	206,500	117,600	
8	246,080	181,600	236,000	134,400	
Rope weight per foot	2.03	2.00	1.85	1.04	
LBCE Type	Description				
DB	6 x 26 (6 x 19 Class) – Warrington Seale – Extra Improved Plow Steel – Preformed – Right Lay – Regular Lay – I.W.R.C.				
RB*	19 x 19 Rotation Resistant– Extra Extra Improved Plow Steel – Preformed – Right Lay – Regular Lay – Swaged – SF = 5:1				
CC	36 x 7 Class – Non–Rotating – Extra Extra Improved Plow Steel – Right Lay – Regular Lay – S.F. = 5:1				
* Use of swivel end with 1 part of line is not recommended.					
**Weight to be deducted from main capacities when using extra reeving.					

LIFTOFF CAPABILITIES

Counterweight (Side Frames)	Over End (Gantry In Raised Position)	
	Maximum Boom (ft.)	Maximum Boom + Jib (ft.)
NO (RETRACTED)	90	N/A
NO (EXTENDED)	130	N/A
A (RETRACTED)	130	N/A
A (EXTENDED)	170	N/A
AB (EXTENDED)	230 See Note 4	190 + 75 200 + 45 See Note 4
Counterweight (Side Frames)	Over Side	
	Maximum Boom (ft.)	Maximum Boom + Jib (ft.)
NO (RETRACTED)	90	N/A
NO (EXTENDED)	130	N/A
A (RETRACTED)	130	N/A
A (EXTENDED)	170	N/A
AB (EXTENDED)	210	170 + 75 180 + 60

WORKING AREAS



NOTES:

1. For maximum boom and maximum boom + jib combinations only — adequate blocking must be placed under the side frame sprockets/idlers to prevent rocking. The ramps supplied with the crane are considered to be adequate blocking.
2. Crane on firm and level surface.
3. Gantry pins must be installed with the gantry in the raised position.
4. For maximum stability, booms must be erected or lowered over the end with no load and with the hook block on the ground.

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CONSTRUCTION EQUIPMENT

GENERAL WIND RESTRICTIONS GUIDE

WARNING

Failure to follow these wind speed restrictions may result in structural failure of the boom, which would cause property damage and/or bodily injury.

1. 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.
2. Wind speed is to be determined at the boom top section.

WIND SPEED CHART

Boom Lengths: 40' to 250'	
DESCRIPTION	ALLOWABLE WINDSPEEDS IN M.P.H.
1. Normal Lifting Operation. (See Capacity Charts.)	0–20 m.p.h.
2. Reduced Operation. Capacities must be reduced by 20%.	21–30 m.p.h.
3. Reduced Operation. Capacities must be reduced by 40%.	31–40 m.p.h.
4. Reduced Operation. Capacities must be reduced by 70%.	41–45 m.p.h.
4. No Operation. Store Attachment On Ground.	Over 45 m.p.h.

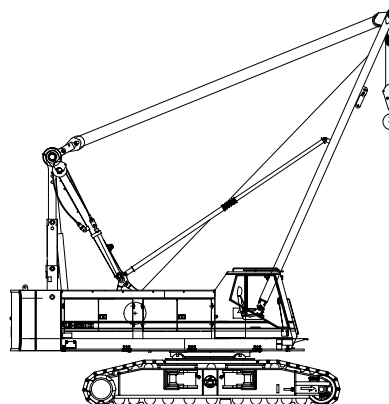
LIVE MAST LIFTING CAPACITIES

Live Mast		Load (lbs.) (See Note 8)
Radius (ft.)	Angle (deg)	
10	78.0	30,000
11	75.7	30,000
12	73.4	30,000
13	71.1	25,000
14	68.8	20,000
15	66.4	20,000
16	64.0	15,000
17	61.5	15,000
18	59.0	15,000
19	56.4	15,000
20	53.7	15,000
21	50.9	10,000
22	48.0	10,000
23	44.9	10,000
24	41.7	10,000
25	38.3	10,000

NOTES:

1. Refer to the Operator's Manual.
2. Live mast backstops must be in position and operative.
3. Reeve hoist rope from rear drum with three (3) parts of 1" diameter wire rope.
4. The crane shall be leveled on a firm supporting surface.
5. All capacities are listed in pounds and are not more than 75% of the tipping loads.
6. For self-assembly of counterweights, boom extensions, and side frames only. See Crane Assembly Component Weights chart for weight of components for crane assembly.
7. Rated capacities for 360° rotation.
8. Mast capacities apply to the following conditions:

	COUNTERWEIGHTS		
	NONE	A	AB
ON CARBODY JACKS	✓	N/A	N/A
SIDE FRAMES RETRACTED	✓	✓	N/A
SIDE FRAMES EXTENDED	✓	✓	✓



CRANE ASSEMBLY COMPONENT WEIGHTS

Component	Weight	
	lbs.	kg
1. 20 Ft. Top Section With Sheave Machinery	3,606	1 636
2. 20 Ft. Top Section With Sheave Machinery and 5 Ft. Tip Extension	4,246	1 926
3. 20 Ft. Base Section	1,991	903
4. Boom Extensions		
• 10' Boom Extension With Pendants	814	369
• 20' Boom Extension With Pendants	1,309	593
• 30' Boom Extension With Pendants	1,837	833
• 40' Boom Extension With Pendants	2,286	1 037
5. Upper Counterweights		
• Counterweight "A"	25,350	11 499
• Counterweight "B"	25,350	11 499
6. Side Frames (Each)	23,561	10 687
7. Tube Jib Including Strut, Head Machinery, and Pendants		
• 30' Tube Jib Assembly	1,965	891
• 15' Extension With Pendants	290	131.5

"QUICK DRAW" SELF ASSEMBLY LIFTING CAPACITIES

"Quick Draw" Cylinders		CASE I SEE NOTE 8 (lb)	CASE II SEE NOTE 9 (lb)
Radius (ft.)	Boom Angle (deg)		
13.89	67	26,500	26,500
14	66.6	26,500	26,500
15	63.4	26,500	26,500
16	60	26,500	26,500
17	56.4	26,500	26,500
18	52.7	26,500	26,500
19	48.7	26,500	26,500
20	44.4	26,500	26,500
21	39.8	26,500	24,740
22	34.4	26,500	23,000
23	28.1	26,500	21,420
24	19.3	25,680	19,940

NOTES:

1. Rated capacities for 360° rotation.
2. Boom base section only, supported by make up pendants. No extensions or top section can be attached.
3. Lifting any load with one cylinder is prohibited. Rated capacities are for lifting loads with both cylinders.
4. Gantry must be pinned in the raised or lowered position when lifting loads with the cylinders in the base section.
5. Do not lower live mast below 3° angle with gantry in lowered position.
6. Backstops must be assembled to base section.
7. For self assembly of counterweights, boom extensions, and side frames only.
8. On extended or retracted side frames with or without counterweight.
9. On carbody jacks without counterweight.



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CONSTRUCTION EQUIPMENT

DUTY CYCLE NOTES FOR TUBE BOOM

1. The capacities included in the "Duty Cycle Capacities – Tube Boom" chart are the maximum allowable, and are based on an LS-218H II crawler crane with "A" (25,350 lb.) counterweight standing level on firm supporting surface under ideal job conditions.
2. Capacities are based on 75% of minimum tipping loads for dragline; 67.5% for clamshell.
3. Capacities are maximum recommended by PCSA Standard #4. Operator must make allowances for soft or uneven supporting surfaces, rapid cycle operations, bucket suction, or other unfavorable conditions which may require smaller buckets for most efficient operation.
4. Weight of bucket plus load, must not exceed these capacities.
5. Dragline operation is not recommended with boom angles less than 35°.
6. Boom length for dragline/clamshell attachment operation should not exceed 80 ft..
7. Retractable high gantry must be pinned in the raised position for all capacities on the "Duty Cycle Capacities – Tube Boom" chart.
8. These capacities apply to the crane as originally manufactured and normally equipped by Link-Belt Construction Equipment Company.

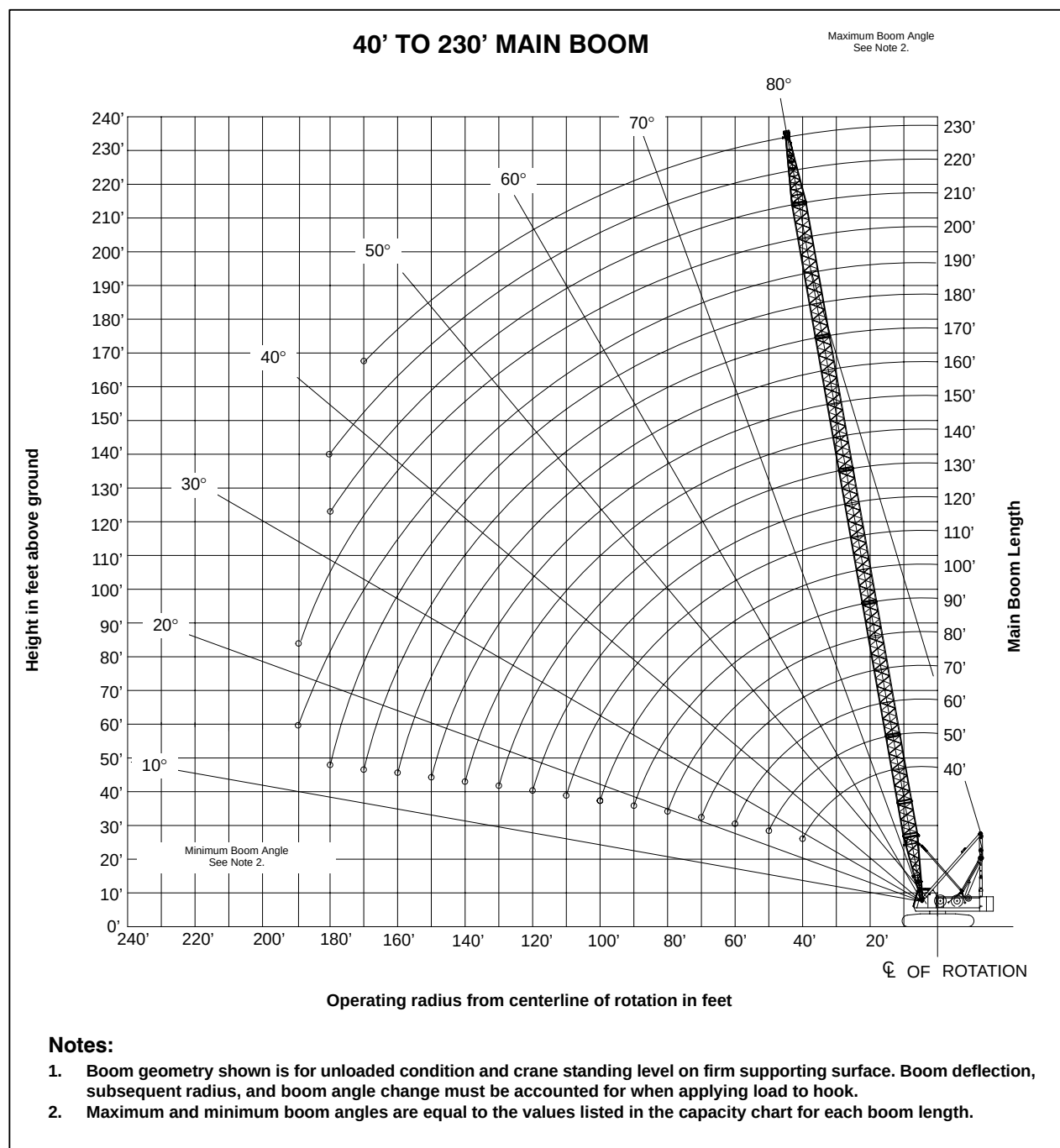
DUTY CYCLE CAPACITIES – TUBE BOOM

Boom Length (ft.)	Load Radius (ft.)	Boom Angle (deg)	Side Frames Extended "A" Counterweight (All capacities listed are in pounds)	
			Dragline	Clamshell / Magnet "A" cwt
40	11	80.8	---	20,600
40	12	79.3	---	20,600
40	13	77.9	---	20,600
40	14	76.4	---	20,600
40	15	74.9	---	20,600
40	16	73.4	---	20,600
40	17	71.9	---	20,600
40	18	70.4	---	20,600
40	19	68.9	---	20,600
40	20	67.3	---	20,600
40	25	59.3	20,600	20,600
40	30	50.6	20,600	20,600
40	35	40.5	20,600	20,600
40	40	27.7	---	20,600
50	12	81.5	---	20,600
50	13	80.3	---	20,600
50	14	79.2	---	20,600
50	15	78.0	---	20,600
50	16	76.8	---	20,600
50	17	75.6	---	20,600
50	18	74.4	---	20,600
50	19	73.3	---	20,600
50	20	72.1	---	20,600
50	25	65.9	---	20,600
50	30	59.5	20,600	20,600
50	35	52.5	20,600	20,600
50	40	44.9	20,600	20,600
50	50	24.8	---	20,600
60	13	81.9	---	20,600
60	14	81.0	---	20,600
60	15	80.0	---	20,600
60	16	79.0	---	20,600
60	17	78.1	---	20,600
60	18	77.1	---	20,600

Boom Length (ft.)	Load Radius (ft.)	Boom Angle (deg)	Side Frames Extended "A" Counterweight (All capacities listed are in pounds)	
			Dragline	Clamshell / Magnet "A" cwt
60	19	76.1	---	20,600
60	20	75.1	---	20,600
60	25	70.1	---	20,600
60	30	64.9	---	20,600
60	35	59.6	20,600	20,600
60	40	53.8	20,600	20,600
60	50	40.8	20,600	20,600
60	60	22.6	---	16,470
70	15	81.5	---	20,600
70	16	80.6	---	20,600
70	17	79.8	---	20,600
70	18	79.0	---	20,600
70	19	78.1	---	20,600
70	20	77.3	---	20,600
70	25	73.1	---	20,600
70	30	68.7	---	20,600
70	35	64.3	---	20,600
70	40	59.6	20,600	20,600
70	50	49.6	20,600	20,600
70	60	37.7	18,300	16,470
70	70	20.9	---	13,140
80	16	81.8	---	20,600
80	17	81.1	---	20,600
80	18	80.4	---	20,600
80	19	79.6	---	20,600
80	20	78.9	---	20,600
80	25	75.2	---	20,600
80	30	71.5	---	20,600
80	35	67.7	---	20,600
80	40	63.7	---	20,600
80	50	55.4	20,600	20,600
80	60	46.2	18,300	16,470
80	70	35.2	14,600	13,140
80	80	19.5	---	10,710



WORKING RANGE DIAGRAM



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CONSTRUCTION EQUIPMENT

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 (ft.)	Capacity Deduction (lb)
30	2,000
45	2,400
60	3,200
75	4,200

CAPACITY DEDUCTIONS FOR LIFTING OFF MAIN BOOM HOOK WITH 5 FOOT TIP EXTENSION OR PILE DRIVER LEAD ADAPTERS INSTALLED

When using main boom hook, while 5 foot tip extension or pile driver lead adapter is attached, reduce boom capacities by the values in the following chart:

Extension/Adapter	Capacity Deduction (lb)
5' Tip	700
Pile Driver Lead Adapter	200

MAXIMUM ALLOWABLE CAPACITIES FOR 5 FOOT TIP EXTENSION

LIFTING CAPACITY TO BE THE SMALLEST OF THE FOLLOWING VALUES:

- 18,000 lb (Maximum).
- The standard crane lift capacity minus 700 lb for the crane configuration in use.

NOTES:

- All notes are to be adhered to as listed on the standard lift crane capacity charts.
- Reduce the main boom lift capacities by 700 lb when the tip extension is installed.
- The maximum boom length on which the tip extension can be installed is 190 ft..
- Do not lift or suspend a load from the boom tip extension and main boom at the same time.

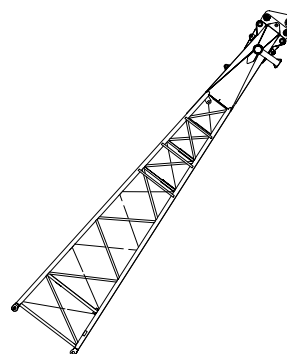
MAXIMUM ALLOWABLE CAPACITIES FOR PILE DRIVER LEAD ADAPTER

LIFTING CAPACITY TO BE THE SMALLEST OF THE FOLLOWING VALUES:

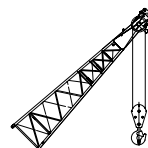
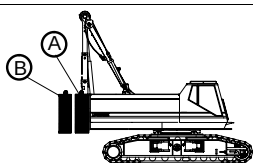
- 70,000 lbs.
- The standard crane lift capacity minus 200 lbs. for crane configuration in use.

NOTES:

- All notes are to be adhered to as listed on the standard lift crane capacity charts.
- Reduce the main boom lift capacities by 200 lb when the pile driver lead adapter is installed.
- The maximum boom length on which the pile driver lead adapter can be installed is 190 ft..



20' Open Throat Boom With Pile Driver Lead Adapter



Note: Refer To Page 8 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.

MAIN BOOM CAPACITIES – 40 FT. OPEN THROAT TUBE BOOM							
Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	0 CTWT (lb)	A CTWT (lb)	0 CTWT (lb)
10.16	82.0	220,000	220,000	212,900	193,400	160,600	98,100
11	80.8	220,000	220,000	198,100	179,800	138,700	84,600
12	79.3	204,000	204,000	182,800	166,100	119,200	72,500
13	77.9	189,500	189,500	169,700	135,900	104,400	63,300
14	76.4	176,800	176,800	158,300	114,800	92,800	56,100
15	74.9	165,700	165,700	148,400	99,200	83,400	50,300
16	73.4	155,900	155,900	132,800	87,300	75,700	45,500
17	71.9	147,100	147,100	118,600	77,800	69,300	41,500
18	70.4	139,300	139,300	107,100	70,100	63,800	38,100
19	68.9	132,200	132,200	97,500	63,800	59,000	35,200
20	67.3	125,800	121,800	89,500	58,400	54,900	32,600
25	59.3	101,000	86,200	63,000	40,700	40,400	23,600
30	50.6	79,600	66,300	48,100	30,800	31,600	18,100
35	40.5	63,600	53,600	38,600	24,500	25,700	14,400
40	27.7	52,700	44,700	32,000	20,100	21,400	11,700

MAIN BOOM CAPACITIES – 70 FT OPEN THROAT TUBE BOOM							
Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	0 CTWT (lb)	A CTWT (lb)	0 CTWT (lb)
14.34	82.0	160,600	160,600	154,000	110,300	90,000	54,500
15	81.5	160,600	160,600	147,600	100,300	83,900	50,800
16	80.6	155,100	155,100	133,800	88,200	76,100	45,900
17	79.8	146,400	146,400	119,500	78,700	69,600	41,900
18	79.0	138,600	138,600	107,800	70,900	64,100	38,400
19	78.1	131,600	131,600	98,200	64,400	59,300	35,400
20	77.3	125,300	122,400	90,100	59,000	55,200	32,900
25	73.1	100,700	86,600	63,400	41,100	40,600	23,800
30	68.7	80,000	66,600	48,400	31,100	31,700	18,200
35	64.3	63,900	53,800	38,900	24,800	25,800	14,500
40	59.6	53,000	45,000	32,300	20,300	21,600	11,900
50	49.6	39,200	33,500	23,700	14,600	15,800	8,300
60	37.7	30,700	26,300	18,300	11,000	12,200	6,000
70	20.9	24,900	21,400	14,600	8,500	9,600	4,300

MAIN BOOM CAPACITIES – 50 FT. OPEN THROAT TUBE BOOM							
Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	0 CTWT (lb)	A CTWT (lb)	0 CTWT (lb)
11.55	82.0	193,900	193,900	189,100	171,700	127,700	77,900
12	81.5	193,900	193,900	182,600	165,800	119,700	72,900
13	80.3	189,200	189,200	169,500	136,600	104,800	63,700
14	79.2	176,600	176,600	158,200	115,400	93,100	56,400
15	78.0	165,500	165,500	148,200	99,800	83,700	50,600
16	76.8	155,700	155,700	133,300	87,800	76,000	45,800
17	75.6	147,000	147,000	119,100	78,300	69,500	41,800
18	74.4	139,200	139,200	107,500	70,500	64,000	38,300
19	73.3	132,100	132,100	97,900	64,100	59,300	35,400
20	72.1	125,700	122,200	89,800	58,800	55,100	32,800
25	65.9	101,000	86,500	63,200	41,000	40,600	23,800
30	59.5	79,800	66,500	48,400	31,100	31,800	18,300
35	52.5	63,800	53,800	38,900	24,700	25,900	14,600
40	44.9	53,000	44,900	32,300	20,300	21,600	11,900
50	24.8	39,100	33,400	23,600	14,500	15,800	8,300

MAIN BOOM CAPACITIES – 80 FT OPEN THROAT TUBE BOOM							
Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	0 CTWT (lb)	A CTWT (lb)	0 CTWT (lb)
15.73	82.0	136,200	136,200	136,200	91,400	78,100	47,100
16	81.8	136,200	136,200	133,900	88,300	76,100	45,900
17	81.1	136,200	136,200	119,500	78,700	69,600	41,800
18	80.4	134,500	134,500	107,900	70,900	64,000	38,300
19	79.6	131,300	131,300	98,200	64,500	59,300	35,400
20	78.9	125,000	122,400	90,100	59,000	55,100	32,800
25	75.2	100,500	86,600	63,300	41,100	40,500	23,700
30	71.5	80,000	66,500	48,400	31,100	31,700	18,100
35	67.7	63,900	53,800	38,800	24,700	25,700	14,400
40	63.7	53,000	44,900	32,200	20,300	21,500	11,800
50	55.4	39,100	33,400	23,600	14,500	15,700	8,200
60	46.2	30,600	26,200	18,300	10,900	12,100	5,900
70	35.2	24,900	21,300	14,600	8,400	9,500	4,300
80	19.5	20,700	17,800	11,900	6,600	7,600	3,000

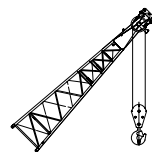
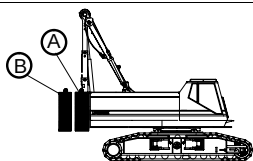
MAIN BOOM CAPACITIES – 60 FT OPEN THROAT TUBE BOOM							
Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	0 CTWT (lb)	A CTWT (lb)	0 CTWT (lb)
12.94	82.0	176,600	176,600	169,800	138,600	105,700	64,300
13	81.9	176,600	176,600	169,100	137,100	105,000	63,900
14	81.0	176,200	176,200	157,900	115,800	93,300	56,600
15	80.0	165,200	165,200	147,900	100,100	83,900	50,700
16	79.0	155,500	155,500	133,600	88,100	76,100	45,900
17	78.1	146,800	146,800	119,300	78,500	69,600	41,800
18	77.1	139,000	139,000	107,700	70,800	64,100	38,400
19	76.1	131,900	131,900	98,100	64,300	59,300	35,400
20	75.1	125,600	122,300	90,000	58,900	55,200	32,900
25	70.1	100,900	86,600	63,300	41,100	40,600	23,800
30	64.9	80,000	66,600	48,400	31,100	31,800	18,300
35	59.6	63,900	53,800	38,900	24,800	25,900	14,600
40	53.8	53,000	45,000	32,300	20,400	21,600	11,900
50	40.8	39,200	33,500	23,700	14,600	15,900	8,300
60	22.6	30,700	26,300	18,300	11,000	12,200	6,000

MAIN BOOM CAPACITIES – 90 FT OPEN THROAT TUBE BOOM							
Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	0 CTWT (lb)	A CTWT (lb)	0 CTWT (lb)
17.12	82.0	124,400	124,400	118,100	77,800	68,800	41,300
18	81.4	122,800	122,800	107,900	71,000	64,000	38,300
19	80.8	122,800	122,800	98,200	64,500	59,200	35,300
20	80.1	122,800	122,400	90,100	59,000	55,000	32,700
25	76.9	100,200	86,500	63,300	41,100	40,400	23,600
30	73.6	79,900	66,500	48,300	31,000	31,500	18,000
35	70.3	63,800	53,700	38,700	24,600	25,600	14,300
40	66.8	52,900	44,800	32,100	20,200	21,300	11,600
50	59.7	39,000	33,300	23,500	14,400	15,600	8,100
60	52.0	30,500	26,100	18,200	10,800	11,900	5,800
70	43.4	24,800	21,200	14,500	8,300	9,400	4,100
80	33.1	20,700	17,700	11,800	6,500	7,500	2,900
90	18.4	17,500	14,900	9,800	5,100	6,000	2,000



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MAIN BOOM CAPACITIES – 100 FT OPEN THROAT TUBE BOOM							
Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended				Side Frames Retracted
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	
18.51	82.0	111,900	111,900	102,700	67,500	61,300	PROHIBITED
19	81.7	110,500	110,500	98,200	64,500	59,100	
20	81.1	110,500	110,500	90,100	59,000	54,900	
25	78.2	99,900	86,400	63,200	41,000	40,300	
30	75.3	79,800	66,400	48,200	30,900	31,400	
35	72.3	63,700	53,600	38,600	24,500	25,400	
40	69.3	52,800	44,700	32,000	20,000	21,200	
50	63.0	38,900	33,100	23,400	14,200	15,400	
60	56.4	30,400	26,000	18,000	10,600	11,800	
70	49.2	24,700	21,100	14,400	8,200	9,200	
80	41.1	20,500	17,600	11,700	6,400	7,300	
90	31.3	17,400	14,800	9,700	5,000	5,900	
100	17.4	15,000	12,700	8,000	3,900	4,700	

MAIN BOOM CAPACITIES – 130 FT OPEN THROAT TUBE BOOM							
Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended				Side Frames Retracted
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	
22.69	82.0	82,700	82,700	73,200	47,600	45,600	PROHIBITED
25	81.0	81,700	81,700	62,900	40,700	39,800	
30	78.7	79,500	66,000	47,800	30,500	30,900	
35	76.5	63,400	53,100	38,200	24,100	24,900	
40	74.2	52,400	44,200	31,500	19,600	20,700	
50	69.6	38,400	32,700	22,900	13,800	14,900	
60	64.8	29,900	25,500	17,500	10,200	11,200	
70	59.8	24,200	20,600	13,900	7,700	8,700	
80	54.5	20,100	17,100	11,200	5,900	6,800	
90	48.9	17,000	14,400	9,200	4,500	5,400	
100	42.8	14,500	12,200	7,600	3,500	4,200	
110	35.8	12,600	10,500	6,300	2,600	3,300	
120	27.4	10,900	9,100	5,200	—	2,500	
130	15.3	9,600	7,900	4,300	—	—	

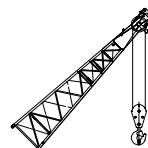
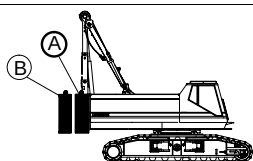
MAIN BOOM CAPACITIES – 110 FT OPEN THROAT TUBE BOOM							
Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	Side Frames Extended				Side Frames Retracted
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	
19.9	82.0	100,800	100,800	90,800	59,400	55,200	PROHIBITED
20	81.9	100,800	100,800	90,000	58,900	54,800	
25	79.3	98,300	86,300	63,100	40,900	40,100	
30	76.6	79,700	66,200	48,100	30,800	31,200	
35	74.0	63,600	53,400	38,500	24,400	25,300	
40	71.2	52,700	44,500	31,800	19,900	21,000	
50	65.6	38,700	33,000	23,200	14,100	15,300	
60	59.8	30,200	25,800	17,900	10,500	11,600	
70	53.5	24,500	20,900	14,200	8,000	9,100	
80	46.7	20,400	17,400	11,500	6,200	7,200	
90	39.1	17,300	14,700	9,500	4,900	5,700	
100	29.8	14,800	12,600	7,900	3,800	4,600	
110	16.6	12,900	10,800	6,600	2,900	3,600	

MAIN BOOM CAPACITIES – 140 FT OPEN THROAT TUBE BOOM							
Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended				Side Frames Retracted
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	
24.08	82.0	75,300	75,300	66,500	42,800	40,800	PROHIBITED
25	81.6	75,300	75,300	62,800	39,800	37,800	
30	79.5	73,400	65,800	47,700	30,500	28,500	
35	77.5	63,200	53,000	38,100	24,100	22,100	
40	75.4	52,200	44,100	31,400	19,600	17,600	
50	71.1	38,300	32,500	22,700	13,800	11,800	
60	66.7	29,800	25,300	17,300	10,200	8,200	
70	62.1	24,000	20,400	13,700	7,700	5,700	
80	57.4	19,900	16,900	11,000	5,900	3,900	
90	52.4	16,800	14,200	9,000	4,500	2,500	
100	47.0	14,300	12,100	7,400	3,500	1,500	
110	41.2	12,400	10,400	6,100	2,600	600	
120	34.5	10,800	8,900	5,100	—	—	
130	26.4	9,400	7,800	4,200	—	—	
140	14.7	8,200	6,700	3,400	—	—	

MAIN BOOM CAPACITIES – 120 FT OPEN THROAT TUBE BOOM							
Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended				Side Frames Retracted
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	
21.29	82.0	92,000	92,000	81,100	52,900	50,000	PROHIBITED
25	80.2	89,700	86,200	63,000	40,800	40,000	
30	77.8	79,600	66,100	48,000	30,700	31,100	
35	75.3	63,500	53,300	38,400	24,200	25,100	
40	72.8	52,500	44,400	31,700	19,700	20,800	
50	67.8	38,600	32,800	23,100	13,900	15,100	
60	62.5	30,100	25,700	17,700	10,300	11,400	
70	57.0	24,400	20,800	14,000	7,900	8,900	
80	51.1	20,200	17,200	11,400	6,100	7,000	
90	44.6	17,100	14,500	9,400	4,700	5,600	
100	37.3	14,700	12,400	7,800	3,600	4,400	
110	28.6	12,700	10,700	6,500	2,700	3,500	
120	15.9	11,100	9,300	5,400	2,000	2,700	

MAIN BOOM CAPACITIES – 150 FT OPEN THROAT TUBE BOOM							
Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended				Side Frames Retracted
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	
25.47	82.0	69,000	69,000	60,900	40,800	38,800	PROHIBITED
30	80.2	67,300	65,700	47,500	39,800	37,800	
35	78.3	63,100	52,800	37,900	30,500	28,500	
40	76.3	52,100	43,900	31,200	24,100	22,100	
50	72.4	38,100	32,300	22,500	19,600	17,600	
60	68.3	29,600	25,100	17,200	13,800	11,800	
70	64.1	23,800	20,200	13,500	10,200	8,200	
80	59.8	19,700	16,700	10,800	7,700	5,700	
90	55.3	16,600	14,000	8,800	5,900	3,900	
100	50.5	14,200	11,900	7,200	4,500	2,500	
110	45.4	12,200	10,200	5,900	3,500	1,500	
120	39.7	10,600	8,800	4,900	2,600	600	
130	33.3	9,200	7,600	4,000	—	—	
140	25.5	8,100	6,600	3,200	—	—	
150	14.2	7,100	5,700	2,500	—	—	





MAIN BOOM CAPACITIES – 160 FT OPEN THROAT TUBE BOOM							
Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	0 CTWT (lb)
26.86	82.0	63,100	63,100	56,000	PROHIBITED		
30	80.9	62,300	62,300	47,400			
35	79.0	60,700	52,700	37,700			
40	77.2	51,900	43,700	31,000			
50	73.5	37,900	32,100	22,400			
60	69.7	29,400	24,900	17,000			
70	65.9	23,700	20,000	13,300			
80	61.9	19,500	16,500	10,600			
90	57.7	16,400	13,800	8,600			
100	53.4	14,000	11,700	7,000			
110	48.8	12,000	10,000	5,700			
120	43.8	10,400	8,600	4,700			
130	38.4	9,100	7,400	3,800			
140	32.2	7,900	6,400	3,000			
150	24.7	6,900	5,500	2,400			
160	13.8	6,000	4,700	—			

MAIN BOOM CAPACITIES – 180 FT OPEN THROAT TUBE BOOM							
Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	0 CTWT (lb)
29.64	82.0	52,200	52,200	PROHIBITED			
30	81.9	51,800	51,800				
35	80.3	50,500	50,500				
40	78.7	49,300	43,400				
50	75.4	37,600	31,800				
60	72.1	29,000	24,600				
70	68.7	23,300	19,700				
80	65.2	19,100	16,100				
90	61.7	16,000	13,400				
100	58.0	13,600	11,300				
110	54.2	11,600	9,600				
120	50.1	10,000	8,200				
130	45.8	8,700	7,000				
140	41.2	7,500	6,000				
150	36.1	6,500	5,100				
160	30.3	5,700	4,400				
170	23.2	4,900	3,700				
180	13.0	4,200	3,100				

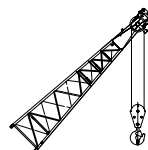
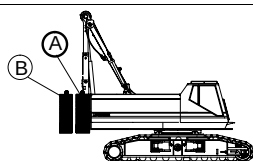
MAIN BOOM CAPACITIES – 170 FT OPEN THROAT TUBE BOOM							
Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	0 CTWT (lb)
28.25	82.0	56,900	56,900	51,700	PROHIBITED		
30	81.4	56,100	56,100	47,200			
35	79.7	54,700	52,500	37,600			
40	78.0	51,800	43,600	30,900			
50	74.5	37,800	32,000	22,200			
60	71.0	29,200	24,800	16,800			
70	67.4	23,500	19,900	13,100			
80	63.7	19,300	16,300	10,400			
90	59.8	16,200	13,600	8,400			
100	55.9	13,800	11,500	6,800			
110	51.7	11,800	9,800	5,500			
120	47.2	10,200	8,400	4,500			
130	42.5	8,900	7,200	3,600			
140	37.2	7,700	6,200	2,800			
150	31.2	6,700	5,300	2,200			
160	23.9	5,900	4,500	—			
170	13.3	5,100	3,900	—			

MAIN BOOM CAPACITIES – 190 FT OPEN THROAT TUBE BOOM							
Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation				
			Side Frames Extended			Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	0 CTWT (lb)
31.04	82.0	47,700	47,700	PROHIBITED			
35	80.8	46,500	46,500				
40	79.3	45,300	43,200				
50	76.2	37,400	31,600				
60	73.0	28,900	24,400				
70	69.9	23,100	19,500				
80	66.6	18,900	15,900				
90	63.3	15,800	13,200				
100	59.9	13,400	11,100				
110	56.3	11,400	9,400				
120	52.6	9,800	8,000				
130	48.7	8,500	6,800				
140	44.5	7,300	5,800				
150	40.1	6,300	4,900				
160	35.1	5,500	4,100				
170	29.5	4,700	3,500				
180	22.6	4,000	2,900				
190	12.6	3,400	2,300				



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MAIN BOOM CAPACITIES – 200 FT OPEN THROAT TUBE BOOM

Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation					
			Side Frames Extended				Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	A CTWT (lb)	0 CTWT (lb)
32.43	82.0	43,400	43,400	PROHIBITED				
35	81.3	42,900	42,900					
40	79.8	41,800	41,800					
50	76.9	37,200	31,400					
60	73.9	28,700	24,200					
70	70.9	22,900	19,300					
80	67.8	18,700	15,700					
90	64.7	15,600	13,000					
100	61.5	13,200	10,900					
110	58.2	11,200	9,200					
120	54.8	9,600	7,700					
130	51.2	8,300	6,600					
140	47.4	7,100	5,600					
150	43.4	6,100	4,700					
160	39.0	5,300	3,900					
170	34.2	4,500	3,300					
180	28.7	3,800	2,700					
190	22.0	3,200	2,200					
200	12.3	2,700	—					

MAIN BOOM CAPACITIES – 220 FT OPEN THROAT TUBE BOOM

Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation					
			Side Frames Extended				Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	A CTWT (lb)	0 CTWT (lb)
35.21	82.0	35,100	35,100	PROHIBITED				
40	80.7	34,600	34,600					
50	78.1	33,300	31,000					
60	75.4	28,300	23,700					
70	72.7	22,500	18,800					
80	70.0	18,300	15,300					
90	67.2	15,200	12,500					
100	64.3	12,700	10,400					
110	61.4	10,800	8,700					
120	58.4	9,200	7,300					
130	55.2	7,800	6,100					
140	52.0	6,700	5,100					
150	48.6	5,700	4,300					
160	45.1	4,800	3,500					
170	41.2	4,000	2,800					
180	37.1	3,100	2,200					
190	32.6	2,200	—					
200	27.4	—	—					
210	21.0	—	—					
220	11.7	—	—					

MAIN BOOM CAPACITIES – 210 FT OPEN THROAT TUBE BOOM

Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation					
			Side Frames Extended				Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	A CTWT (lb)	0 CTWT (lb)
33.82	82.0	39,300	39,300	PROHIBITED				
35	81.7	39,300	39,300					
40	80.3	38,900	38,900					
50	77.5	36,700	31,200					
60	74.7	28,400	23,900					
70	71.9	22,700	19,000					
80	69.0	18,500	15,500					
90	66.0	15,400	12,800					
100	63.0	12,900	10,600					
110	59.9	11,000	8,900					
120	56.7	9,400	7,500					
130	53.3	8,000	6,300					
140	49.8	6,900	5,300					
150	46.2	5,900	4,500					
160	42.3	5,000	3,700					
170	38.0	4,300	3,000					
180	33.4	3,600	2,500					
190	28.0	3,000	—					
200	21.5	2,500	—					
210	12.0	—	—					

MAIN BOOM CAPACITIES – 230 FT OPEN THROAT TUBE BOOM

Load Radius (ft.)	Boom Angle (deg)	Over End Blocked	360° Rotation					
			Side Frames Extended				Side Frames Retracted	
			AB CTWT (lb)	AB CTWT (lb)	A CTWT (lb)	0 CTWT (lb)	A CTWT (lb)	0 CTWT (lb)
36.6	82.0	31,300	31,300	PROHIBITED				
40	81.1	31,100	31,100					
50	78.6	29,900	29,900					
60	76.1	25,300	23,500					
70	73.5	21,700	18,600					
80	70.9	18,100	15,000					
90	68.2	15,000	12,300					
100	65.5	12,500	10,200					
110	62.7	10,600	8,500					
120	59.9	8,900	7,100					
130	57.0	7,600	5,900					
140	53.9	6,200	4,900					
150	50.8	4,900	4,000					
160	47.5	3,800	3,300					
170	44.0	2,700	2,600					
180	40.3	—	—					
190	36.3	—	—					
200	31.8	—	—					
210	26.7	—	—					
220	20.5	—	—					
230	11.5	—	—					

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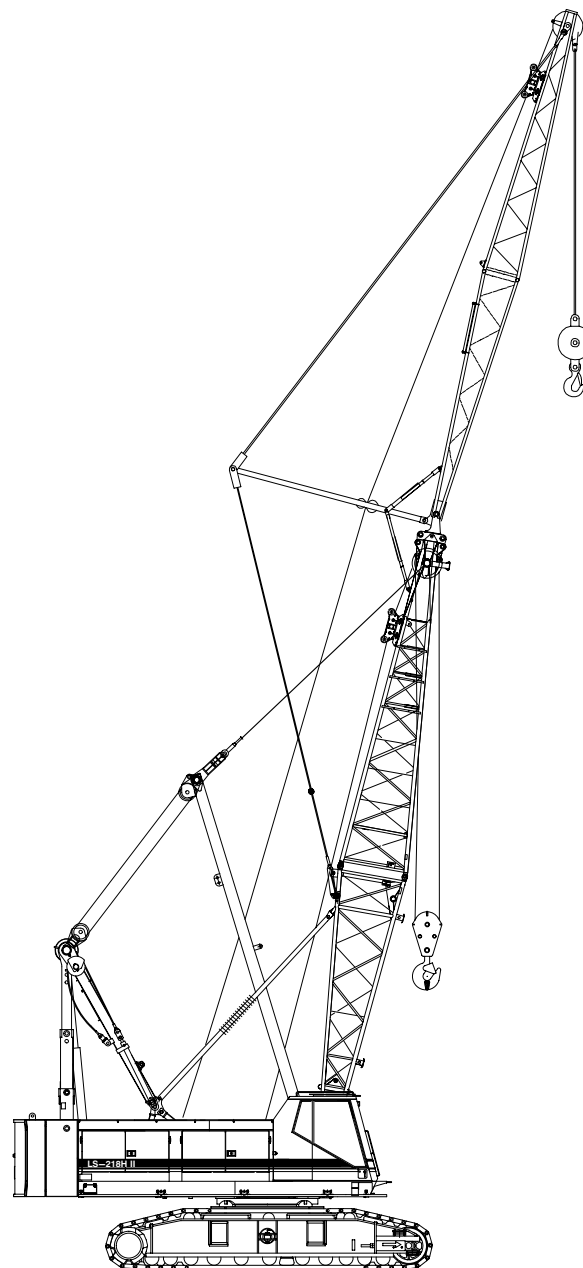
Jib Capacities

Lattice Boom Crawler Crane

LS-218H II 100-ton (90.72 metric ton) HYLAB Series

Angle Boom + Jib Capacities

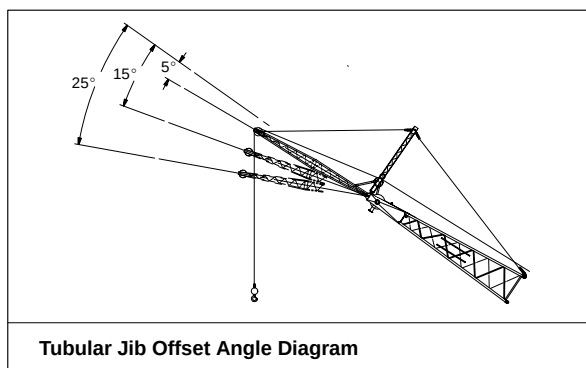
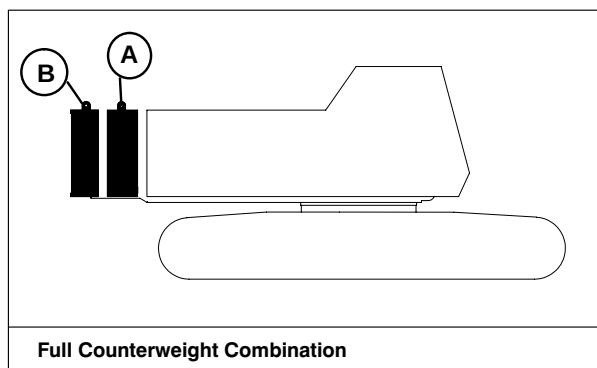
- 40' – 150' (12.19 – 45.72 m) Angle Boom with 30' – 60' (9.14 – 18.29 m) of Jib
- 20' (6.10 m) Open Throat Top Section with 24" (0.61 m) Wide x 32" (0.81 m) Deep Jib
- Extended Side Frames
- Over End Blocked Capacities
- 360 Degree Capacities
- "AB" Counterweight Options
- 20' 10.5" (6.36 m) Crawler Length



CAUTION: This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual to determine allowable machine lifting capacities and operating procedures.

TUBULAR JIB NOTES FOR ANGLE BOOM

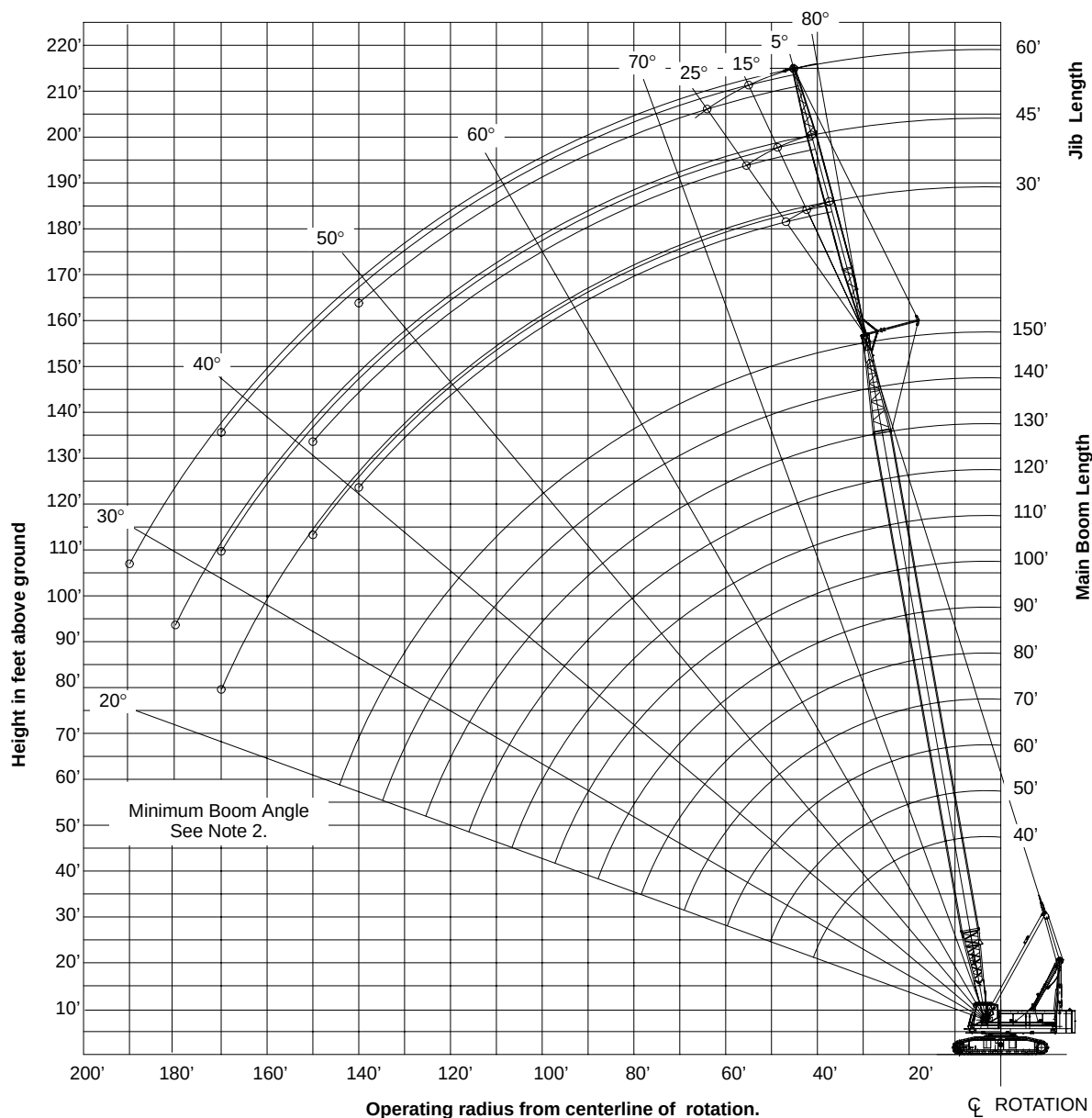
1. Capacities are for a LS-218H II crawler crane with "AB" counterweight.
2. Separate capacity charts are listed for 360° and for over end blocked crawler working areas. Apply the appropriate lift capacity chart based on the working area and the specific operating conditions.
3. Over end blocked capacities can be lifted over either end with the crane standing level on a firm supporting surface. Adequate blocking must be placed under both treadmember sprockets (or idler rollers) at the end that the load is to be lifted to prevent rocking. The ramps supplied with the crane are considered to be adequate blocking.
4. Capacities are for side frames in the extended position only and are based on the crane standing level on a firm supporting surface.
5. Capacities are limited to a LBCE 48" x 48" (1.22 m x 1.22 m) angle boom with an LBCE 12 ton, 24" x 32" (0.61 m x 0.81 m) cross section tube jib with a 11'6" (3.51 m) high jib mast properly assembled.
6. Two parts of 1" Diameter Type "RB" wire rope are required for maximum lift.
7. Capacities are for 30' (9.14 m), 45' (13.72 m) and 60' (18.29 m) jib lengths only.
8. Maximum boom plus jib combination is 150' + 60' (45.72 + 18.29 m).
9. The least stable condition is over the side.
10. All capacities are listed in pounds and are not more than 75% of the tipping loads. Capacities with an asteric are governed by factors other than those that would cause a tipping condition.
11. 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, etc.



WORKING RANGE DIAGRAM

40' TO 150' MAIN BOOM WITH 30' TO 60' JIB

Maximum Boom Angle
See Note 2.



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.

LS-218H II - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctwrt															
Refer to the Tubular Jib Notes for Open Throat Boom in the Crane Rating Manual before operating the machine.															
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	
40	30	19.6	80	77.5	21,600 *	21,600 *									19.6
40	30	20	79.7	77.5	21,500 *	21,500 *									20
40	30	25	75.5	76.2	19,500 *	19,500 *	79.6	75.6	16,800 *	16,800 *					25
40	30	30	71.3	74.5	17,600 *	17,600 *	75.3	73.9	15,700 *	15,700 *	79.2	72.8	14,100 *	14,100 *	30
40	30	35	67	72.4	16,100 *	16,100 *	71	71.8	14,500 *	14,500 *	74.7	70.6	12,900 *	12,900 *	35
40	30	40	62.5	69.8	14,900 *	14,900 *	66.4	69.2	13,300 *	13,300 *	70.1	67.9	12,500 *	12,500 *	40
40	30	50	52.8	62.9	12,700 *	12,700 *	56.6	62.2	12,100 *	12,100 *	60	60.8	11,500 *	11,500 *	50
40	30	60	41.5	52.9	11,600 *	11,600 *	45.1	52.1	11,000 *	11,000 *	48.2	50.4	10,300 *	10,300 *	60
40	30	70	26.2	36.8	10,100 *	10,100 *									70
40	45	23.49	80	92	15,600 *	15,600 *									23.49
40	45	25	79	91.7	15,300 *	15,300 *									25
40	45	30	75.5	90.3	14,400 *	14,400 *									30
40	45	35	72.1	88.6	13,500 *	13,500 *	77.1	87.9	12,000 *	12,000 *					35
40	45	40	68.5	86.6	12,400 *	12,400 *	73.5	85.8	10,800 *	10,800 *	78.3	84.4	9,000 *	9,000 *	40
40	45	50	61	81.3	9,900 *	9,900 *	65.9	80.5	8,300 *	8,300 *	70.6	78.9	7,700 *	7,700 *	50
40	45	60	52.8	74.1	7,800 *	7,800 *	57.7	73.2	7,500 *	7,500 *	62.1	71.5	7,100 *	7,100 *	60
40	45	70	43.6	64.3	7,200 *	7,200 *	48.3	63.3	6,700 *	6,700 *	52.4	61.2	5,900 *	5,900 *	70
40	45	80	32.1	50.1	5,900 *	5,900 *	36.5	48.8	5,200 *	5,200 *					80
40	60	27.37	80	106.5	12,600 *	12,600 *									27.37
40	60	30	78.5	105.9	12,200 *	12,200 *									30
40	60	35	75.5	104.4	11,400 *	11,400 *									35
40	60	40	72.6	102.7	10,600 *	10,600 *	78.3	101.9	9,500 *	9,500 *					40
40	60	50	66.4	98.4	9,000 *	9,000 *	72.1	97.6	7,800 *	7,800 *	77.6	95.9	6,600 *	6,600 *	50
40	60	60	59.9	92.7	7,300 *	7,300 *	65.5	91.8	6,100 *	6,100 *	70.9	90	5,700 *	5,700 *	60
40	60	70	52.9	85.3	5,800 *	5,800 *	58.4	84.3	5,500 *	5,500 *	63.6	82.3	5,200 *	5,200 *	70
40	60	80	45.1	75.6	5,300 *	5,300 *	50.5	74.5	5,000 *	5,000 *	55.4	72.2	4,300 *	4,300 *	80
40	60	90	35.8	62.6	4,400 *	4,400 *	41	61.2	3,800 *	3,800 *	45.5	58.3	3,000 *	3,000 *	90
50	30	21.34	80	87.4	21,600 *	21,600 *									21.34
50	30	25	77.4	86.5	20,400 *	20,400 *									25
50	30	30	73.7	85.1	18,700 *	18,700 *	77.2	84.5	16,200 *	16,200 *					30
50	30	35	70	83.3	16,900 *	16,900 *	73.5	82.6	15,200 *	15,200 *	76.8	81.4	13,400 *	13,400 *	35
50	30	40	66.1	81	15,900 *	15,900 *	69.6	80.4	14,200 *	14,200 *	72.8	79.1	12,700 *	12,700 *	40
50	30	50	58.1	75.3	13,800 *	13,800 *	61.4	74.6	12,600 *	12,600 *	64.5	73.2	11,900 *	11,900 *	50
50	30	60	49.1	67.5	12,400 *	12,400 *	52.4	66.7	11,700 *	11,700 *	55.2	65.1	11,000 *	11,000 *	60
50	30	70	38.6	56.4	11,300 *	11,300 *	41.7	55.4	10,600 *	10,600 *					70
50	45	25.22	80	101.9	15,600 *	15,600 *									25.22
50	45	30	77.1	100.7	14,800 *	14,800 *									30
50	45	35	74	99.2	14,000 *	14,000 *	78.5	98.4	12,400 *	12,400 *					35
50	45	40	70.8	97.4	13,200 *	13,200 *	75.3	96.6	11,400 *	11,400 *	79.6	95	9,500 *	9,500 *	40
50	45	50	64.3	92.8	11,100 *	11,100 *	68.7	91.9	9,200 *	9,200 *	72.9	90.3	7,800 *	7,800 *	50
50	45	60	57.3	86.6	8,700 *	8,700 *	61.7	85.7	7,700 *	7,700 *	65.7	84	7,300 *	7,300 *	60
50	45	70	49.7	78.6	7,600 *	7,600 *	54	77.6	7,200 *	7,200 *	57.8	75.6	6,700 *	6,700 *	70
50	45	80	41	67.9	7,000 *	7,000 *	45.1	66.7	6,300 *	6,300 *	48.6	64.3	5,400 *	5,400 *	80
50	45	90	30.2	52.7	5,600 *	5,600 *									90



LS-218H II - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cttwt															
Refer to the Tubular Jib Notes for Open Throat Boom in the Crane Rating Manual before operating the machine.															
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	
50	60	29.1	80	116.4	12,600 *	12,600 *									29.1
50	60	30	79.5	116.2	12,500 *	12,500 *									30
50	60	35	76.9	114.9	11,800 *	11,800 *									35
50	60	40	74.2	113.3	11,100 *	11,100 *	79.4	112.4	9,800 *	9,800 *					40
50	60	50	68.7	109.4	9,600 *	9,600 *	73.9	108.5	8,300 *	8,300 *	78.8	106.7	7,000 *	7,000 *	50
50	60	60	62.9	104.4	8,100 *	8,100 *	68	103.4	6,800 *	6,800 *	72.9	101.4	5,800 *	5,800 *	60
50	60	70	56.8	97.9	6,400 *	6,400 *	61.9	96.9	5,700 *	5,700 *	66.6	94.8	5,400 *	5,400 *	70
50	60	80	50.2	89.8	5,600 *	5,600 *	55.2	88.6	5,300 *	5,300 *	59.7	86.3	4,900 *	4,900 *	80
50	60	90	42.8	79.3	5,100 *	5,100 *	47.6	78	4,600 *	4,600 *	51.9	75.3	3,900 *	3,900 *	90
50	60	100	34	65.4	4,100 *	4,100 *	38.6	63.8	3,400 *	3,400 *					100
60	30	23.08	80	97.2	21,600 *	21,600 *									23.08
60	30	25	78.8	96.8	21,000 *	21,000 *									25
60	30	30	75.5	95.5	19,500 *	19,500 *	78.7	94.9	16,600 *	16,600 *					30
60	30	35	72.3	93.9	18,000 *	18,000 *	75.4	93.3	15,700 *	15,700 *	78.3	92	13,800 *	13,800 *	35
60	30	40	68.9	92	16,700 *	16,700 *	72	91.3	14,800 *	14,800 *	74.9	90	12,900 *	12,900 *	40
60	30	50	61.9	87.1	14,800 *	14,800 *	65	86.4	12,900 *	12,900 *	67.7	85	12,200 *	12,200 *	50
60	30	60	54.4	80.5	12,900 *	12,900 *	57.4	79.7	12,200 *	12,200 *	60	78.2	11,500 *	11,500 *	60
60	30	70	46.1	71.7	12,100 *	12,100 *	49	70.8	11,300 *	11,300 *	51.4	69	10,600 *	10,600 *	70
60	30	80	36.3	59.6	11,100 *	11,100 *	39	58.5	10,300 *	10,300 *					80
60	45	26.96	80	111.7	15,600 *	15,600 *									26.96
60	45	30	78.3	111	15,200 *	15,200 *									30
60	45	35	75.5	109.7	14,400 *	14,400 *	79.6	108.8	12,800 *	12,800 *					35
60	45	40	72.7	108	13,700 *	13,700 *	76.8	107.2	11,900 *	11,900 *					40
60	45	50	66.9	103.9	11,900 *	11,900 *	70.9	103.1	9,900 *	9,900 *	74.7	101.3	7,900 *	7,900 *	50
60	45	60	60.8	98.6	9,900 *	9,900 *	64.8	97.6	7,900 *	7,900 *	68.4	95.8	7,500 *	7,500 *	60
60	45	70	54.3	91.7	7,900 *	7,900 *	58.1	90.7	7,500 *	7,500 *	61.7	88.7	7,100 *	7,100 *	70
60	45	80	47.1	82.9	7,400 *	7,400 *	50.9	81.7	7,000 *	7,000 *	54.2	79.5	6,200 *	6,200 *	80
60	45	90	38.9	71.3	6,800 *	6,800 *	42.5	70	6,000 *	6,000 *	45.5	67.3	5,000 *	5,000 *	90
60	45	100	28.6	55.1	5,400 *	5,400 *									100
60	60	30.84	80	126.2	12,600 *	12,600 *									30.84
60	60	35	78	125.2	12,100 *	12,100 *									35
60	60	40	75.5	123.8	11,400 *	11,400 *									40
60	60	50	70.5	120.3	10,100 *	10,100 *	75.3	119.3	8,700 *	8,700 *	79.9	117.3	7,200 *	7,200 *	50
60	60	60	65.4	115.7	8,700 *	8,700 *	70.1	114.7	7,300 *	7,300 *	74.5	112.6	5,900 *	5,900 *	60
60	60	70	59.9	110	7,300 *	7,300 *	64.6	108.9	5,900 *	5,900 *	68.9	106.7	5,500 *	5,500 *	70
60	60	80	54.1	102.9	5,900 *	5,900 *	58.7	101.7	5,500 *	5,500 *	62.9	99.3	5,100 *	5,100 *	80
60	60	90	47.9	94	5,500 *	5,500 *	52.3	92.7	5,100 *	5,100 *	56.4	90.1	4,500 *	4,500 *	90
60	60	100	40.8	82.9	5,000 *	5,000 *	45.2	81.4	4,300 *	4,300 *	48.9	78.3	3,500 *	3,500 *	100
60	60	110	32.4	68.1	3,900 *	3,900 *	36.5	66.2	3,200 *	3,200 *					110
70	30	24.81	80	107.1	21,600 *	21,600 *									24.81
70	30	25	79.9	107	21,600 *	21,600 *									25
70	30	30	77	105.9	20,200 *	20,200 *	79.8	105.2	16,900 *	16,900 *					30
70	30	35	74.1	104.5	18,800 *	18,800 *	76.9	103.8	16,100 *	16,100 *	79.6	102.4	14,200 *	14,200 *	35
70	30	40	71.1	102.8	17,500 *	17,500 *	73.9	102.1	15,300 *	15,300 *	76.5	100.7	13,400 *	13,400 *	40
70	30	50	64.9	98.4	15,600 *	15,600 *	67.7	97.7	13,700 *	13,700 *	70.2	96.3	12,500 *	12,500 *	50
70	30	60	58.4	92.7	13,900 *	13,900 *	61.1	91.9	12,600 *	12,600 *	63.6	90.4	11,800 *	11,800 *	60



LS-218H II - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cttwt																
Refer to the Tubular Jib Notes for Open Throat Boom in the Crane Rating Manual before operating the machine.																
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom													Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees					
			Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)		
70	30	70	51.4	85.3	12,600 *	12,600 *	54.1	84.4	11,900 *	11,900 *	56.3	82.8	11,100 *	11,100 *	70	
70	30	80	43.6	75.6	11,800 *	11,800 *	46.1	74.7	11,100 *	11,100 *	48.2	72.7	10,300 *	10,300 *	80	
70	30	90	34.3	62.6	10,900 *	10,900 *	36.7	61.4	10,100 *	10,100 *					90	
70	45	28.7	80	121.6	15,600 *	15,600 *									28.7	
70	45	30	79.3	121.3	15,400 *	15,400 *									30	
70	45	35	76.8	120.1	14,800 *	14,800 *									35	
70	45	40	74.3	118.6	14,100 *	14,100 *		117.7	12,300 *	12,300 *					40	
70	45	50	69	114.9	12,600 *	12,600 *	72.7	114	10,500 *	10,500 *	76.1	112.2	8,300 *	8,300 *	50	
70	45	60	63.6	110.1	10,800 *	10,800 *	67.2	109.1	8,700 *	8,700 *	70.5	107.2	7,700 *	7,700 *	60	
70	45	70	57.8	104	8,900 *	8,900 *	61.4	103	7,700 *	7,700 *	64.6	101	7,300 *	7,300 *	70	
70	45	80	51.6	96.4	7,700 *	7,700 *	55.1	95.3	7,300 *	7,300 *	58.2	93.1	6,700 *	6,700 *	80	
70	45	90	44.8	86.9	7,300 *	7,300 *	48.2	85.6	6,700 *	6,700 *	51.1	83.1	5,800 *	5,800 *	90	
70	45	100	37	74.5	6,600 *	6,600 *	40.3	73.1	5,700 *	5,700 *					100	
70	45	110	27.3	57.4	5,300 *	5,300 *									110	
70	60	32.58	80	136.1	12,600 *	12,600 *									32.58	
70	60	35	78.9	135.5	12,300 *	12,300 *									35	
70	60	40	76.7	134.2	11,700 *	11,700 *									40	
70	60	50	72.1	131	10,500 *	10,500 *	76.5	129.9	9,000 *	9,000 *					50	
70	60	60	67.4	126.8	9,300 *	9,300 *	71.7	125.7	7,700 *	7,700 *	75.9	123.6	6,200 *	6,200 *	60	
70	60	70	62.5	121.7	7,900 *	7,900 *	66.8	120.5	6,400 *	6,400 *	70.8	118.2	5,700 *	5,700 *	70	
70	60	80	57.3	115.3	6,600 *	6,600 *	61.6	114.1	5,700 *	5,700 *	65.5	111.7	5,300 *	5,300 *	80	
70	60	90	51.8	107.6	5,700 *	5,700 *	56	106.3	5,300 *	5,300 *	59.8	103.7	4,900 *	4,900 *	90	
70	60	100	45.8	98.1	5,300 *	5,300 *	49.9	96.7	4,900 *	4,900 *	53.5	93.7	4,100 *	4,100 *	100	
70	60	110	39.1	86.3	4,800 *	4,800 *	43	84.6	4,000 *	4,000 *	46.3	81.2	3,100 *	3,100 *	110	
70	60	120	31	70.7	3,800 *	3,800 *									120	
80	30	26.55	80	116.9	21,600 *	21,600 *									26.55	
80	30	30	78.2	116.2	20,800 *	20,800 *									30	
80	30	35	75.5	114.9	19,500 *	19,500 *	78.1	114.2	16,400 *	16,400 *					35	
80	30	40	72.9	113.4	18,300 *	18,300 *	75.4	112.6	15,700 *	15,700 *	77.8	111.2	13,700 *	13,700 *	40	
80	30	50	67.3	109.5	16,200 *	16,200 *	69.9	108.7	14,200 *	14,200 *	72.2	107.3	12,700 *	12,700 *	50	
80	30	60	61.6	104.4	14,700 *	14,700 *	64.1	103.6	12,900 *	12,900 *	66.3	102.1	12,100 *	12,100 *	60	
80	30	70	55.5	97.9	13,100 *	13,100 *	57.9	97.1	12,200 *	12,200 *	60	95.5	11,500 *	11,500 *	70	
80	30	80	48.9	89.8	12,300 *	12,300 *	51.2	88.9	11,600 *	11,600 *	53.2	87.1	10,800 *	10,800 *	80	
80	30	90	41.4	79.4	11,600 *	11,600 *	43.7	78.3	10,800 *	10,800 *	45.5	76.2	10,000 *	10,000 *	90	
80	30	100	32.6	65.5	10,700 *	10,700 *									100	
80	45	30.43	80	131.4	15,600 *	15,600 *									30.43	
80	45	35	77.9	130.4	15,100 *	15,100 *									35	
80	45	40	75.5	129	14,400 *	14,400 *	79	128.1	12,600 *	12,600 *					40	
80	45	50	70.8	125.7	13,200 *	13,200 *	74.1	124.7	11,000 *	11,000 *	77.3	122.8	8,700 *	8,700 *	50	
80	45	60	65.8	121.3	11,600 *	11,600 *	69.2	120.3	9,300 *	9,300 *	72.3	118.4	7,800 *	7,800 *	60	
80	45	70	60.7	115.9	9,800 *	9,800 *	64	114.9	7,900 *	7,900 *	67	112.8	7,400 *	7,400 *	70	
80	45	80	55.2	109.2	8,000 *	8,000 *	58.5	108.1	7,500 *	7,500 *	61.4	105.9	7,000 *	7,000 *	80	
80	45	90	49.4	100.9	7,600 *	7,600 *	52.5	99.7	7,100 *	7,100 *	55.3	97.3	6,300 *	6,300 *	90	
80	45	100	42.9	90.7	7,100 *	7,100 *	46	89.4	6,400 *	6,400 *	48.5	86.6	5,400 *	5,400 *	100	
80	45	110	35.4	77.6	6,300 *	6,300 *	38.4	76	5,400 *	5,400 *					110	
80	45	120	26.1	59.6	5,100 *	5,100 *									120	

LS-218H II - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cttwt															
Refer to the Tubular Jib Notes for Open Throat Boom in the Crane Rating Manual before operating the machine.															
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	
80	60	34.31	80	145.9	12,600 *	12,600 *									34.31
80	60	35	79.7	145.8	12,500 *	12,500 *									35
80	60	40	77.6	144.6	12,000 *	12,000 *									40
80	60	50	73.4	141.6	10,900 *	10,900 *	77.5	140.5	9,300 *	9,300 *					50
80	60	60	69.1	137.8	9,700 *	9,700 *	73.1	136.6	8,100 *	8,100 *	77	134.3	6,500 *	6,500 *	60
80	60	70	64.6	133.1	8,500 *	8,500 *	68.6	131.9	6,900 *	6,900 *	72.4	129.5	5,800 *	5,800 *	70
80	60	80	59.9	127.3	7,300 *	7,300 *	63.9	126.1	5,900 *	5,900 *	67.6	123.6	5,500 *	5,500 *	80
80	60	90	55	120.4	6,000 *	6,000 *	58.9	119.1	5,500 *	5,500 *	62.5	116.4	5,100 *	5,100 *	90
80	60	100	49.8	112.1	5,600 *	5,600 *	53.6	110.7	5,200 *	5,200 *	57	107.8	4,500 *	4,500 *	100
80	60	110	44	102	5,200 *	5,200 *	47.8	100.4	4,700 *	4,700 *	51	97.2	3,700 *	3,700 *	110
80	60	120	37.5	89.5	4,600 *	4,600 *	41.1	87.7	3,800 *	3,800 *					120
80	60	130	29.8	73.2	3,600 *	3,600 *									130
90	30	28.29	80	126.8	21,600 *	21,600 *									28.29
90	30	30	79.2	126.4	21,200 *	21,200 *									30
90	30	35	76.8	125.2	20,100 *	20,100 *	79.1	124.5	16,700 *	16,700 *					35
90	30	40	74.3	123.8	19,000 *	19,000 *	76.7	123.1	16,100 *	16,100 *	78.9	121.7	14,000 *	14,000 *	40
90	30	50	69.3	120.3	16,800 *	16,800 *	71.6	119.6	14,700 *	14,700 *	73.8	118.1	12,800 *	12,800 *	50
90	30	60	64.1	115.8	15,400 *	15,400 *	66.4	115	13,300 *	13,300 *	68.5	113.5	12,300 *	12,300 *	60
90	30	70	58.7	110	13,900 *	13,900 *	60.9	109.2	12,500 *	12,500 *	62.9	107.6	11,700 *	11,700 *	70
90	30	80	52.9	102.9	12,700 *	12,700 *	55.1	102	12,000 *	12,000 *	57	100.3	11,100 *	11,100 *	80
90	30	90	46.6	94.1	12,100 *	12,100 *	48.8	93.1	11,300 *	11,300 *	50.5	91.2	10,500 *	10,500 *	90
90	30	100	39.6	82.9	11,400 *	11,400 *	41.6	81.8	10,600 *	10,600 *					100
90	30	110	31.2	68.2	10,600 *	10,600 *									110
90	45	32.17	80	141.3	15,600 *	15,600 *									32.17
90	45	35	78.8	140.7	15,300 *	15,300 *									35
90	45	40	76.6	139.4	14,700 *	14,700 *	79.8	138.5	12,900 *	12,900 *					40
90	45	50	72.2	136.3	13,500 *	13,500 *	75.4	135.3	11,400 *	11,400 *	78.3	133.4	9,100 *	9,100 *	50
90	45	60	67.7	132.3	12,200 *	12,200 *	70.8	131.3	9,900 *	9,900 *	73.7	129.3	7,900 *	7,900 *	60
90	45	70	63	127.4	10,600 *	10,600 *	66.1	126.4	8,300 *	8,300 *	68.9	124.3	7,500 *	7,500 *	70
90	45	80	58.1	121.4	9,000 *	9,000 *	61.2	120.3	7,700 *	7,700 *	63.9	118.1	7,200 *	7,200 *	80
90	45	90	53	114.1	7,800 *	7,800 *	55.9	112.9	7,300 *	7,300 *	58.5	110.6	6,800 *	6,800 *	90
90	45	100	47.3	105.2	7,400 *	7,400 *	50.2	104	7,000 *	7,000 *	52.7	101.4	6,000 *	6,000 *	100
90	45	110	41.2	94.4	7,000 *	7,000 *	44	92.9	6,100 *	6,100 *	46.2	90	5,100 *	5,100 *	110
90	45	120	34	80.6	6,100 *	6,100 *	36.7	78.8	5,200 *	5,200 *					120
90	45	130	25	61.7	5,000 *	5,000 *									130
90	60	36.05	80	155.8	12,600 *	12,600 *									36.05
90	60	40	78.5	154.9	12,200 *	12,200 *									40
90	60	50	74.5	152.1	11,200 *	11,200 *	78.4	150.9	9,500 *	9,500 *					50
90	60	60	70.5	148.6	10,100 *	10,100 *	74.3	147.4	8,400 *	8,400 *	77.9	145	6,700 *	6,700 *	60
90	60	70	66.4	144.2	9,000 *	9,000 *	70.2	143	7,300 *	7,300 *	73.7	140.6	5,900 *	5,900 *	70
90	60	80	62.1	139	7,900 *	7,900 *	65.9	137.7	6,200 *	6,200 *	69.3	135.2	5,600 *	5,600 *	80
90	60	90	57.7	132.7	6,700 *	6,700 *	61.3	131.4	5,700 *	5,700 *	64.7	128.7	5,300 *	5,300 *	90
90	60	100	53	125.3	5,800 *	5,800 *	56.6	123.8	5,400 *	5,400 *	59.8	121	4,900 *	4,900 *	100
90	60	110	47.9	116.4	5,500 *	5,500 *	51.5	114.9	5,000 *	5,000 *	54.5	111.8	4,200 *	4,200 *	110
90	60	120	42.4	105.8	5,100 *	5,100 *	45.8	104	4,400 *	4,400 *	48.7	100.6	3,400 *	3,400 *	120
90	60	130	36.2	92.6	4,400 *	4,400 *	39.5	90.7	3,500 *	3,500 *					130
90	60	140	28.7	75.6	3,400 *	3,400 *									140

LS-218H II - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cttwt															
Refer to the Tubular Jib Notes for Open Throat Boom in the Crane Rating Manual before operating the machine.															
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	
100	30	30.02	80	136.6	21,600 *	21,600 *									30.02
100	30	35	77.8	135.5	20,600 *	20,600 *									35
100	30	40	75.5	134.3	19,500 *	19,500 *	77.7	133.5	16,300 *	16,300 *	79.8	132.1	14,200 *	14,200 *	40
100	30	50	71	131	17,400 *	17,400 *	73.1	130.3	15,100 *	15,100 *	75.1	128.8	13,000 *	13,000 *	50
100	30	60	66.2	126.9	15,900 *	15,900 *	68.4	126.1	13,800 *	13,800 *	70.3	124.6	12,500 *	12,500 *	60
100	30	70	61.3	121.7	14,600 *	14,600 *	63.4	120.9	12,800 *	12,800 *	65.3	119.3	12,000 *	12,000 *	70
100	30	80	56.2	115.4	13,300 *	13,300 *	58.2	114.5	12,300 *	12,300 *	60	112.8	11,500 *	11,500 *	80
100	30	90	50.7	107.6	12,500 *	12,500 *	52.7	106.7	11,700 *	11,700 *	54.4	104.9	10,900 *	10,900 *	90
100	30	100	44.7	98.2	11,900 *	11,900 *	46.6	97.1	11,100 *	11,100 *	48.2	95.1	10,300 *	10,300 *	100
100	30	110	37.9	86.3	11,200 *	10,600 *	39.8	85.1	10,400 *	10,400 *					110
100	30	120	29.9	70.8	10,400 *	9,200 *									120
100	45	33.9	80	151.1	15,600 *	15,600 *									33.9
100	45	35	79.6	150.9	15,500 *	15,500 *									35
100	45	40	77.6	149.7	15,000 *	15,000 *									40
100	45	50	73.5	146.9	13,900 *	13,900 *	76.4	145.9	11,800 *	11,800 *	79.2	143.9	9,300 *	9,300 *	50
100	45	60	69.3	143.2	12,700 *	12,700 *	72.2	142.2	10,400 *	10,400 *	74.9	140.1	7,900 *	7,900 *	60
100	45	70	65	138.7	11,300 *	11,300 *	67.9	137.6	8,900 *	8,900 *	70.5	135.5	7,700 *	7,700 *	70
100	45	80	60.6	133.2	9,800 *	9,800 *	63.4	132.1	7,800 *	7,800 *	66	129.9	7,300 *	7,300 *	80
100	45	90	55.9	126.6	8,300 *	8,300 *	58.7	125.5	7,500 *	7,500 *	61.2	123.1	7,000 *	7,000 *	90
100	45	100	50.9	118.8	7,700 *	7,700 *	53.7	117.5	7,200 *	7,200 *	56	115	6,400 *	6,400 *	100
100	45	110	45.6	109.4	7,300 *	7,300 *	48.2	108	6,700 *	6,700 *	50.5	105.2	5,700 *	5,700 *	110
100	45	120	39.6	97.9	6,900 *	6,900 *	42.2	96.3	5,900 *	5,900 *					120
100	45	130	32.7	83.4	6,000 *	6,000 *	35.2	81.6	5,000 *	5,000 *					130
100	60	37.79	80	165.6	12,600 *	12,600 *									37.79
100	60	40	79.2	165.1	12,400 *	12,400 *									40
100	60	50	75.5	162.5	11,400 *	11,400 *	79.1	161.3	9,700 *	9,700 *					50
100	60	60	71.8	159.3	10,400 *	10,400 *	75.4	158	8,700 *	8,700 *	78.7	155.6	6,900 *	6,900 *	60
100	60	70	68	155.2	9,400 *	9,400 *	71.5	154	7,700 *	7,700 *	74.8	151.5	5,900 *	5,900 *	70
100	60	80	64	150.4	8,400 *	8,400 *	67.5	149.1	6,600 *	6,600 *	70.7	146.5	5,700 *	5,700 *	80
100	60	90	59.9	144.6	7,300 *	7,300 *	63.4	143.3	5,800 *	5,800 *	66.5	140.6	5,400 *	5,400 *	90
100	60	100	55.7	137.9	6,100 *	6,100 *	59.1	136.5	5,600 *	5,600 *	62.1	133.6	5,100 *	5,100 *	100
100	60	110	51.1	129.9	5,700 *	5,700 *	54.5	128.4	5,200 *	5,200 *	57.4	125.4	4,600 *	4,600 *	110
100	60	120	46.3	120.6	5,400 *	5,400 *	49.6	118.9	4,900 *	4,900 *	52.4	115.6	3,900 *	3,900 *	120
100	60	130	40.9	109.4	5,000 *	5,000 *	44.1	107.5	4,200 *	4,200 *	46.8	103.8	3,200 *	3,200 *	130
100	60	140	34.9	95.6	4,300 *	4,300 *	38	93.5	3,300 *	3,300 *					140
100	60	150	27.7	77.9	3,300 *	3,300 *									150
110	30	31.76	80	146.5	21,600 *	21,600 *									31.76
110	30	35	78.7	145.8	21,000 *	21,000 *									35
110	30	40	76.6	144.6	20,000 *	20,000 *	78.6	143.9	16,600 *	16,600 *					40
110	30	50	72.4	141.6	18,100 *	18,100 *	74.4	140.9	15,400 *	15,400 *	76.2	139.4	13,300 *	13,300 *	50
110	30	60	68	137.8	16,400 *	16,400 *	70	137	14,300 *	14,300 *	71.8	135.5	12,600 *	12,600 *	60
110	30	70	63.6	133.1	15,200 *	15,200 *	65.5	132.3	13,100 *	13,100 *	67.3	130.7	12,200 *	12,200 *	70
110	30	80	58.9	127.4	14,000 *	14,000 *	60.8	126.5	12,500 *	12,500 *	62.5	124.8	11,700 *	11,700 *	80
110	30	90	54	120.5	12,800 *	12,800 *	55.9	119.6	12,000 *	12,000 *	57.5	117.8	11,200 *	11,200 *	90
110	30	100	48.7	112.2	12,300 *	12,000 *	50.5	111.2	11,500 *	11,500 *	52.1	109.2	10,700 *	10,700 *	100
110	30	110	43	102.1	11,700 *	10,300 *	44.7	101	10,900 *	10,500 *	46.1	98.8	10,100 *	10,100 *	110

LS-218H II - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cttwt															
Refer to the Tubular Jib Notes for Open Throat Boom in the Crane Rating Manual before operating the machine.															
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	
110	30	120	36.5	89.6	10,700	8,900	38.2	88.3	10,300 *	9,000					120
110	30	130	28.8	73.3	9,400	7,700									130
110	45	35.64	80	161	15,600 *	15,600 *									35.64
110	45	40	78.4	160	15,200 *	15,200 *									40
110	45	50	74.6	157.3	14,200 *	14,200 *	77.3	156.3	12,100 *	12,100 *	79.9	154.3	9,600 *	9,600 *	50
110	45	60	70.7	153.9	13,100 *	13,100 *	73.4	152.9	10,800 *	10,800 *	76	150.8	8,300 *	8,300 *	60
110	45	70	66.7	149.8	11,900 *	11,900 *	69.4	148.7	9,400 *	9,400 *	71.9	146.5	7,700 *	7,700 *	70
110	45	80	62.7	144.7	10,500 *	10,500 *	65.3	143.6	8,100 *	8,100 *	67.7	141.4	7,500 *	7,500 *	80
110	45	90	58.4	138.7	9,100 *	9,100 *	61	137.6	7,700 *	7,700 *	63.3	135.2	7,200 *	7,200 *	90
110	45	100	53.9	131.7	7,900 *	7,900 *	56.5	130.4	7,400 *	7,400 *	58.7	128	6,800 *	6,800 *	100
110	45	110	49.1	123.3	7,600 *	7,600 *	51.7	122	7,100 *	7,100 *	53.8	119.3	6,100 *	6,100 *	110
110	45	120	44	113.3	7,200 *	7,200 *	46.4	111.9	6,500 *	6,500 *	48.4	109	5,400 *	5,400 *	120
110	45	130	38.2	101.3	6,700 *	6,700 *	40.6	99.6	5,700 *	5,700 *					130
110	45	140	31.6	86.1	5,800 *	5,800 *									140
110	60	39.52	80	175.5	12,600 *	12,600 *									39.52
110	60	40	79.8	175.4	12,600 *	12,600 *									40
110	60	50	76.4	172.9	11,700 *	11,700 *	79.8	171.7	9,900 *	9,900 *	79.4	166.1	7,100 *	7,100 *	50
110	60	60	72.9	169.9	10,700 *	10,700 *	76.3	168.6	9,000 *	9,000 *	75.8	162.2	6,200 *	6,200 *	60
110	60	70	69.3	166.1	9,800 *	9,800 *	72.7	164.8	8,000 *	8,000 *	72	157.6	5,800 *	5,800 *	70
110	60	80	65.7	161.6	8,800 *	8,800 *	69	160.3	7,000 *	7,000 *	68.1	152.2	5,500 *	5,500 *	80
110	60	90	61.9	156.3	7,800 *	7,800 *	65.1	154.9	6,000 *	6,000 *	64.1	145.8	5,200 *	5,200 *	90
110	60	100	58	150.1	6,700 *	6,700 *	61.2	148.6	5,700 *	5,700 *	59.8	138.3	4,500 *	4,500 *	100
110	60	110	53.8	142.9	5,900 *	5,900 *	57	141.3	5,400 *	5,400 *	55.3	129.6	3,800 *	3,800 *	110
110	60	120	49.5	134.4	5,600 *	5,600 *	52.6	132.8	5,100 *	5,100 *	50.4	119.3	3,200 *	3,200 *	120
110	60	130	44.8	124.6	5,300 *	5,300 *	47.8	122.8	4,700 *	4,700 *					130
110	60	140	39.6	112.8	4,900 *	4,900 *	42.6	110.9	4,000 *	4,000 *					140
110	60	150	33.8	98.6	4,100 *	4,100 *	36.7	96.3	3,200 *	3,200 *					150
110	60	160	26.8	80.2	3,200 *	3,200 *									160
120	30	33.5	80	156.3	21,600 *	21,600 *									33.5
120	30	35	79.4	156	21,300 *	21,300 *									35
120	30	40	77.5	154.9	20,400 *	20,400 *	79.4	154.2	16,800 *	16,800 *	77.2	149.9	13,500 *	13,500 *	40
120	30	50	73.6	152.1	18,600 *	18,600 *	75.4	151.4	15,700 *	15,700 *	73.1	146.3	12,800 *	12,800 *	50
120	30	60	69.6	148.6	16,800 *	16,800 *	71.4	147.8	14,700 *	14,700 *	68.9	141.9	12,300 *	12,300 *	60
120	30	70	65.4	144.3	15,700 *	15,700 *	67.3	143.5	13,600 *	13,600 *	64.6	136.5	11,900 *	11,900 *	70
120	30	80	61.2	139	14,600 *	14,600 *	63	138.2	12,700 *	12,700 *	60	130.1	11,500 *	11,500 *	80
120	30	90	56.7	132.8	13,400 *	13,400 *	58.5	131.9	12,300 *	12,300 *	55.2	122.5	11,000 *	11,000 *	90
120	30	100	52	125.3	12,600 *	11,700 *	53.7	124.4	11,800 *	11,800 *	50	113.4	10,000 *	10,000 *	100
120	30	110	47	116.5	12,100	10,000	48.6	115.5	11,300 *	10,200					110
120	30	120	41.4	105.8	10,500	8,600	43.1	104.7	10,600	8,700					120
120	30	130	35.2	92.7	9,100	7,400	36.7	91.4	9,200	7,500					130
120	30	140	27.7	75.7	7,900	6,400									140
120	45	37.38	80	170.8	15,600 *	15,600 *									37.38
120	45	40	79.1	170.3	15,400 *	15,400 *									40
120	45	50	75.5	167.8	14,400 *	14,400 *	78.1	166.7	12,300 *	12,300 *	76.9	161.4	8,600 *	8,600 *	50
120	45	60	71.9	164.6	13,500 *	13,500 *	74.5	163.5	11,100 *	11,100 *	73.1	157.4	7,800 *	7,800 *	60
120	45	70	68.2	160.7	12,400 *	12,400 *	70.8	159.6	9,900 *	9,900 *					70

LS-218H II - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cttwt																
Refer to the Tubular Jib Notes for Open Throat Boom in the Crane Rating Manual before operating the machine.																
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)	
			5 Degrees				15 Degrees				25 Degrees					
			Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)		
120	45	80	64.4	156	11,100 *	11,100 *	66.9	154.9	8,600 *	8,600 *	69.2	152.7	7,600 *	7,600 *	80	
120	45	90	60.5	150.5	9,800 *	9,800 *	63	149.4	7,800 *	7,800 *	65.2	147	7,300 *	7,300 *	90	
120	45	100	56.4	144	8,400 *	8,400 *	58.9	142.8	7,500 *	7,500 *	61	140.4	7,000 *	7,000 *	100	
120	45	110	52.1	136.5	7,800 *	7,800 *	54.5	135.2	7,300 *	7,300 *	56.6	132.6	6,300 *	6,300 *	110	
120	45	120	47.5	127.6	7,500 *	7,500 *	49.9	126.2	6,900 *	6,900 *	51.8	123.5	5,400 *	5,400 *	120	
120	45	130	42.5	117.1	7,100 *	7,100 *	44.8	115.6	6,300 *	6,300 *	46.6	112.6	4,600 *	4,600 *	130	
120	45	140	37	104.5	6,500 *	6,500 *	39.2	102.8	5,500 *	5,500 *					140	
120	45	150	30.6	88.8	5,700 *	5,700 *									150	
120	60	41.26	80	185.3	12,600 *	12,600 *									41.26	
120	60	50	77.2	183.3	11,900 *	11,900 *									50	
120	60	60	73.9	180.4	11,000 *	11,000 *	77	179.1	9,200 *	9,200 *					60	
120	60	70	70.5	176.9	10,100 *	10,100 *	73.7	175.5	8,300 *	8,300 *	76.6	172.9	6,400 *	6,400 *	70	
120	60	80	67.1	172.6	9,200 *	9,200 *	70.2	171.3	7,300 *	7,300 *	73.1	168.6	5,800 *	5,800 *	80	
120	60	90	63.6	167.7	8,200 *	8,200 *	66.7	166.3	6,400 *	6,400 *	69.5	163.6	5,600 *	5,600 *	90	
120	60	100	60	162	7,300 *	7,300 *	63	160.5	5,800 *	5,800 *	65.8	157.6	5,000 *	5,000 *	100	
120	60	110	56.2	155.3	6,300 *	6,300 *	59.2	153.8	5,600 *	5,600 *	61.9	150.8	4,200 *	4,200 *	110	
120	60	120	52.2	147.7	5,800 *	5,800 *	55.2	146.1	5,300 *	5,300 *	57.8	142.9	3,500 *	3,500 *	120	
120	60	130	48	138.8	5,500 *	5,500 *	50.9	137.1	4,800 *	4,800 *	53.4	133.7	3,000 *	3,000 *	130	
120	60	140	43.4	128.4	5,200 *	5,200 *	46.3	126.6	4,100 *	4,100 *	48.6	122.9	2,600 *	2,600 *	140	
120	60	150	38.4	116.2	4,700 *	4,700 *	41.2	114.2	3,600 *	3,600 *					150	
120	60	160	32.8	101.4	4,000 *	4,000 *	35.4	99	3,000 *	3,000 *					160	
120	60	170	26	82.4	3,100 *	3,100 *									170	
130	30	35.23	80	166.2	21,600 *	21,600 *									35.23	
130	30	40	78.3	165.2	20,800 *	20,800 *									40	
130	30	50	74.6	162.6	19,100 *	19,100 *	76.4	161.8	16,000 *	16,000 *	78	160.3	13,800 *	13,800 *	50	
130	30	60	70.9	159.3	17,400 *	17,400 *	72.6	158.5	15,000 *	15,000 *	74.2	157	12,900 *	12,900 *	60	
130	30	70	67.1	155.3	16,200 *	16,200 *	68.8	154.5	14,000 *	14,000 *	70.3	152.9	12,500 *	12,500 *	70	
130	30	80	63.1	150.4	15,100 *	15,100 *	64.8	149.6	12,900 *	12,900 *	66.3	147.9	12,100 *	12,100 *	80	
130	30	90	59	144.7	14,000 *	13,600 *	60.7	143.8	12,500 *	12,500 *	62.2	142.1	11,700 *	11,700 *	90	
130	30	100	54.8	137.9	12,900 *	11,400 *	56.4	137	12,100 *	11,700 *	57.8	135.2	10,500 *	10,500 *	100	
130	30	110	50.2	130	11,800 *	9,700 *	51.8	129	11,200 *	9,900 *	53.2	127.1	8,900 *	8,900 *	110	
130	30	120	45.4	120.6	10,200 *	8,300 *	46.9	119.6	9,600 *	8,400 *	48.2	117.5	7,600 *	7,600 *	120	
130	30	130	40	109.4	8,800 *	7,100 *	41.6	108.3	8,400 *	7,200 *					130	
130	30	140	34	95.7	7,600 *	6,100 *	35.5	94.4	7,400 *	6,200 *					140	
130	30	150	26.8	78.1	6,600 *	5,200 *									150	
130	45	39.11	80	180.7	15,600 *	15,600 *									39.11	
130	45	40	79.7	180.5	15,500 *	15,500 *									40	
130	45	50	76.4	178.1	14,600 *	14,600 *	78.8	177.1	12,600 *	12,600 *					50	
130	45	60	73	175.2	13,700 *	13,700 *	75.4	174.1	11,400 *	11,400 *	77.7	171.9	8,800 *	8,800 *	60	
130	45	70	69.5	171.5	12,800 *	12,800 *	71.9	170.4	10,300 *	10,300 *	74.2	168.2	7,900 *	7,900 *	70	
130	45	80	66	167.2	11,600 *	11,600 *	68.4	166	9,100 *	9,100 *	70.5	163.8	7,700 *	7,700 *	80	
130	45	90	62.4	162	10,400 *	10,400 *	64.7	160.9	7,900 *	7,900 *	66.8	158.6	7,400 *	7,400 *	90	
130	45	100	58.6	156.1	9,100 *	9,100 *	60.9	154.9	7,700 *	7,700 *	62.9	152.5	6,900 *	6,900 *	100	
130	45	110	54.6	149.2	7,900 *	7,900 *	56.9	147.9	7,400 *	7,400 *	58.9	145.4	5,800 *	5,800 *	110	
130	45	120	50.5	141.1	7,600 *	7,600 *	52.7	139.8	7,000 *	7,000 *	54.6	137.1	4,900 *	4,900 *	120	
130	45	130	46	131.8	7,400 *	7,300 *	48.2	130.4	6,100 *	6,100 *	50	127.4	4,200 *	4,200 *	130	
130	45	140	41.2	120.8	6,700 *	6,300 *	43.3	119.2	5,300 *	5,300 *	45	116	3,600 *	3,600 *	140	



LS-218H II - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cttwt															
Refer to the Tubular Jib Notes for Open Throat Boom in the Crane Rating Manual before operating the machine.															
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	
130	45	150	35.8	107.7	6,000 *	5,400 *	37.9	105.9	4,600 *	4,600 *					150
130	45	160	29.6	91.4	5,300 *	4,700 *									160
130	60	43	80	195.2	12,600 *	12,600 *									43
130	60	50	77.9	193.6	12,000 *	12,000 *									50
130	60	60	74.8	190.9	11,200 *	11,200 *	77.8	189.5	9,400 *	9,400 *					60
130	60	70	71.6	187.5	10,400 *	10,400 *	74.6	186.2	8,500 *	8,500 *	77.4	183.5	6,600 *	6,600 *	70
130	60	80	68.4	183.6	9,500 *	9,500 *	71.3	182.2	7,600 *	7,600 *	74.1	179.5	5,900 *	5,900 *	80
130	60	90	65.1	178.9	8,600 *	8,600 *	68	177.5	6,800 *	6,800 *	70.7	174.8	5,700 *	5,700 *	90
130	60	100	61.7	173.6	7,700 *	7,700 *	64.6	172.1	5,900 *	5,900 *	67.2	169.3	4,700 *	4,700 *	100
130	60	110	58.2	167.4	6,800 *	6,800 *	61	165.9	5,700 *	5,700 *	63.6	162.9	3,900 *	3,900 *	110
130	60	120	54.5	160.4	5,900 *	5,900 *	57.4	158.8	5,100 *	5,100 *	59.8	155.7	3,300 *	3,300 *	120
130	60	130	50.7	152.3	5,700 *	5,700 *	53.5	150.6	4,300 *	4,300 *	55.9	147.3	2,800 *	2,800 *	130
130	60	140	46.6	143	5,200 *	5,200 *	49.3	141.2	3,800 *	3,800 *	51.6	137.6	2,400 *	2,400 *	140
130	60	150	42.2	132.2	4,600 *	4,600 *	44.9	130.3	3,300 *	3,300 *	47	126.4	2,100 *	2,100 *	150
130	60	160	37.3	119.5	4,000 *	4,000 *	39.9	117.3	2,900 *	2,900 *					160
130	60	170	31.9	104.1	3,600 *	3,600 *									170
130	60	180	25.3	84.5	3,000 *	3,000 *									180
140	30	36.97	80	176	21,600 *	21,600 *									36.97
140	30	40	79	175.4	21,100 *	21,100 *									40
140	30	50	75.5	173	19,500 *	19,500 *	77.2	172.2	16,200 *	16,200 *	78.7	170.7	13,900 *	13,900 *	50
140	30	60	72	169.9	17,900 *	17,900 *	73.7	169.1	15,300 *	15,300 *	75.2	167.5	13,000 *	13,000 *	60
140	30	70	68.5	166.2	16,500 *	16,500 *	70.1	165.3	14,300 *	14,300 *	71.6	163.7	12,600 *	12,600 *	70
140	30	80	64.8	161.7	15,600 *	15,600 *	66.4	160.8	13,300 *	13,300 *	67.9	159.2	12,200 *	12,200 *	80
140	30	90	61	156.3	14,600 *	13,300 *	62.6	155.5	12,700 *	12,700 *	64	153.8	11,200 *	11,200 *	90
140	30	100	57.1	150.1	12,700 *	11,100 *	58.7	149.2	11,400 *	11,400 *	60	147.4	9,400 *	9,400 *	100
140	30	110	53	142.9	10,900 *	9,400 *	54.5	142	9,700 *	9,600 *	55.8	140.1	8,000 *	8,000 *	110
140	30	120	48.6	134.5	9,500 *	8,000 *	50.1	133.5	8,400 *	8,200 *	51.3	131.5	6,800 *	6,800 *	120
140	30	130	43.9	124.6	8,300 *	6,800 *	45.4	123.5	7,300 *	6,900 *	46.5	121.3	5,900 *	5,900 *	130
140	30	140	38.8	112.9	7,300 *	5,800 *	40.2	111.7	6,400 *	5,900 *					140
140	30	150	33	98.7	6,300 *	4,900 *									150
140	30	160	26	80.3	5,500 *	4,100 *									160
140	45	40.85	80	190.5	15,600 *	15,600 *									40.85
140	45	50	77.1	188.5	14,800 *	14,800 *	79.4	187.4	12,800 *	12,800 *					50
140	45	60	73.9	185.7	14,000 *	14,000 *	76.2	184.6	11,700 *	11,700 *	78.4	182.4	9,100 *	9,100 *	60
140	45	70	70.7	182.2	13,100 *	13,100 *	73	181.1	10,600 *	10,600 *	75.1	178.9	8,000 *	8,000 *	70
140	45	80	67.4	178.2	12,100 *	12,100 *	69.6	177	9,500 *	9,500 *	71.7	174.8	7,700 *	7,700 *	80
140	45	90	64	173.4	10,900 *	10,900 *	66.2	172.2	8,300 *	8,300 *	68.2	169.9	7,500 *	7,500 *	90
140	45	100	60.5	167.8	9,800 *	9,800 *	62.7	166.6	7,800 *	7,800 *	64.6	164.2	6,300 *	6,300 *	100
140	45	110	56.8	161.4	8,600 *	8,600 *	59	160.2	7,300 *	7,300 *	60.9	157.7	5,300 *	5,300 *	110
140	45	120	53	154.1	7,700 *	7,700 *	55.1	152.8	6,200 *	6,200 *	57	150.1	4,500 *	4,500 *	120
140	45	130	49	145.6	6,700 *	6,700 *	51.1	144.2	5,400 *	5,400 *	52.8	141.4	3,800 *	3,800 *	130
140	45	140	44.7	135.9	5,800 *	5,800 *	46.7	134.3	4,700 *	4,700 *	48.4	131.3	3,300 *	3,300 *	140
140	45	150	40	124.4	5,200 *	5,100 *	42	122.7	4,100 *	4,100 *					150
140	45	160	34.8	110.8	4,600 *	4,400 *	36.7	108.9	3,600 *	3,600 *					160
140	45	170	28.8	93.8	4,100 *	3,700 *									170



LS-218H II - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cttwt															
Refer to the Tubular Jib Notes for Open Throat Boom in the Crane Rating Manual before operating the machine.															
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	
140	60	44.73	80	205	12,600 *	12,600 *									44.73
140	60	50	78.5	203.9	12,200 *	12,200 *									50
140	60	60	75.5	201.3	11,400 *	11,400 *	78.4	199.9	9,500 *	9,500 *					60
140	60	70	72.6	198.1	10,600 *	10,600 *	75.4	196.8	8,700 *	8,700 *	78.1	194.1	6,800 *	6,800 *	70
140	60	80	69.5	194.4	9,800 *	9,800 *	72.3	193	7,900 *	7,900 *	75	190.3	5,900 *	5,900 *	80
140	60	90	66.4	190	9,000 *	9,000 *	69.2	188.6	7,100 *	7,100 *	71.8	185.8	5,300 *	5,300 *	90
140	60	100	63.2	185	8,100 *	8,100 *	66	183.6	6,200 *	6,200 *	68.5	180.7	4,400 *	4,400 *	100
140	60	110	60	179.3	7,100 *	7,100 *	62.7	177.8	5,400 *	5,400 *	65.2	174.8	3,600 *	3,600 *	110
140	60	120	56.6	172.7	6,100 *	6,100 *	59.3	171.2	4,600 *	4,600 *	61.7	168	3,000 *	3,000 *	120
140	60	130	53	165.3	5,300 *	5,300 *	55.7	163.6	3,900 *	3,900 *	58	160.4	2,600 *	2,600 *	130
140	60	140	49.3	156.8	4,600 *	4,600 *	51.9	155	3,400 *	3,400 *	54.1	151.6	2,200 *	2,200 *	140
140	60	150	45.3	147.1	4,000 *	4,000 *	47.9	145.2	3,000 *	3,000 *					150
140	60	160	41	135.8	3,600 *	3,600 *	43.6	133.8	2,600 *	2,600 *					160
140	60	170	36.3	122.7	3,200 *	3,200 *	38.8	120.4	2,300 *	2,300 *					170
140	60	180	31	106.8	2,800 *	2,800 *									180
150	30	38.71	80	185.9	21,600 *	21,600 *									38.71
150	30	40	79.6	185.6	21,400 *	21,400 *									40
150	30	50	76.3	183.3	19,900 *	19,900 *	77.9	182.5	16,400 *	16,400 *	79.4	181	14,100 *	14,100 *	50
150	30	60	73.1	180.4	18,400 *	18,400 *	74.6	179.6	15,500 *	15,500 *	76.1	178.1	13,200 *	13,200 *	60
150	30	70	69.7	176.9	16,900 *	16,900 *	71.3	176.1	14,600 *	14,600 *	72.7	174.5	12,700 *	12,700 *	70
150	30	80	66.3	172.7	15,200 *	15,200 *	67.8	171.9	13,700 *	13,700 *	69.2	170.2	12,000 *	12,000 *	80
150	30	90	62.8	167.8	12,900 *	12,900 *	64.3	166.9	11,800 *	11,800 *	65.6	165.2	10,000 *	10,000 *	90
150	30	100	59.1	162	11,000 *	10,800 *	60.6	161.1	10,000 *	10,000 *	61.9	159.4	8,400 *	8,400 *	100
150	30	110	55.4	155.4	9,400 *	9,100 *	56.8	154.5	8,500 *	8,500 *	58.1	152.6	7,100 *	7,100 *	110
150	30	120	51.4	147.7	8,100 *	7,700 *	52.8	146.7	7,300 *	7,300 *	54	144.8	6,100 *	6,100 *	120
150	30	130	47.2	138.9	7,100 *	6,500 *	48.6	137.8	6,300 *	6,300 *	49.7	135.7	5,200 *	5,200 *	130
150	30	140	42.6	128.5	6,200 *	5,500 *	44	127.4	5,500 *	5,500 *	45	125.1	4,500 *	4,500 *	140
150	30	150	37.6	116.3	5,500 *	4,600 *	39	115	4,900 *	4,700 *					150
150	30	160	32	101.5	4,900 *	3,800 *									160
150	30	170	25.2	82.5	4,400 *	3,200 *									170
150	45	42.59	80	200.4	15,600 *	15,600 *									42.59
150	45	50	77.8	198.7	15,000 *	15,000 *									50
150	45	60	74.8	196.1	14,200 *	14,200 *	77	195	11,900 *	11,900 *	79	192.8	9,300 *	9,300 *	60
150	45	70	71.7	192.9	13,400 *	13,400 *	73.9	191.7	10,900 *	10,900 *	75.9	189.5	8,200 *	8,200 *	70
150	45	80	68.6	189	12,500 *	12,500 *	70.7	187.9	9,900 *	9,900 *	72.7	185.6	7,800 *	7,800 *	80
150	45	90	65.4	184.5	10,800 *	10,800 *	67.5	183.4	8,800 *	8,800 *	69.4	181	7,000 *	7,000 *	90
150	45	100	62.1	179.4	9,100 *	9,100 *	64.2	178.2	7,700 *	7,700 *	66.1	175.8	5,800 *	5,800 *	100
150	45	110	58.7	173.4	7,800 *	7,800 *	60.8	172.2	6,500 *	6,500 *	62.6	169.7	4,800 *	4,800 *	110
150	45	120	55.2	166.6	6,700 *	6,700 *	57.2	165.3	5,600 *	5,600 *	59	162.7	4,100 *	4,100 *	120
150	45	130	51.5	158.9	5,800 *	5,800 *	53.5	157.5	4,800 *	4,800 *	55.2	154.8	3,500 *	3,500 *	130
150	45	140	47.6	150	5,100 *	5,100 *	49.6	148.5	4,100 *	4,100 *	51.2	145.6	3,000 *	3,000 *	140
150	45	150	43.4	139.8	4,500 *	4,500 *	45.4	138.2	3,600 *	3,600 *	46.9	135.1	2,600 *	2,600 *	150
150	45	160	38.9	127.9	3,900 *	3,900 *	40.8	126.2	3,200 *	3,200 *					160
150	45	170	33.9	113.7	3,500 *	3,400 *	35.6	111.8	2,800 *	2,800 *					170
150	45	180	28	96.3	3,200 *	2,800 *									180
150	60	46.47	80	214.8	12,600 *	12,600 *									46.47
150	60	50	79	214.1	12,400 *	12,400 *									50



LS-218H II - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctwrt															
Refer to the Tubular Jib Notes for Open Throat Boom in the Crane Rating Manual before operating the machine.															
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lb)	360° Jib Capacity (lb)	
150	60	60	76.2	211.6	11,600 *	11,600 *	79	210.3	9,700 *	9,700 *					60
150	60	70	73.4	208.7	10,900 *	10,900 *	76.1	207.3	8,900 *	8,900 *	78.7	204.6	6,900 *	6,900 *	70
150	60	80	70.5	205.1	10,100 *	10,100 *	73.2	203.7	8,100 *	8,100 *	75.7	201	6,100 *	6,100 *	80
150	60	90	67.6	201	8,800 *	8,800 *	70.3	199.6	7,000 *	7,000 *	72.7	196.8	4,900 *	4,900 *	90
150	60	100	64.6	196.3	7,400 *	7,400 *	67.3	194.8	5,900 *	5,900 *	69.7	191.9	4,000 *	4,000 *	100
150	60	110	61.5	190.9	6,300 *	6,300 *	64.1	189.4	4,900 *	4,900 *	66.5	186.4	3,300 *	3,300 *	110
150	60	120	58.4	184.8	5,400 *	5,400 *	60.9	183.2	4,200 *	4,200 *	63.3	180.1	2,800 *	2,800 *	120
150	60	130	55.1	177.9	4,700 *	4,700 *	57.6	176.2	3,600 *	3,600 *	59.9	173	2,400 *	2,400 *	130
150	60	140	51.6	170	4,100 *	4,100 *	54.1	168.3	3,100 *	3,100 *	56.3	164.9	2,000 *	2,000 *	140
150	60	150	48	161.1	3,500 *	3,500 *	50.5	159.3	2,700 *	2,700 *					150
150	60	160	44.1	151	3,100 *	3,100 *	46.6	149.1	2,300 *	2,300 *					160
150	60	170	40	139.4	2,800 *	2,800 *	42.4	137.3	2,100 *	2,100 *					170
150	60	180	35.4	125.8	2,500 *	2,500 *									180
150	60	190	30.2	109.4	2,200 *	2,200 *									190

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Link-Belt

CONSTRUCTION EQUIPMENT

Link-Belt Construction Equipment Company

Lexington, Kentucky

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LS-218H II



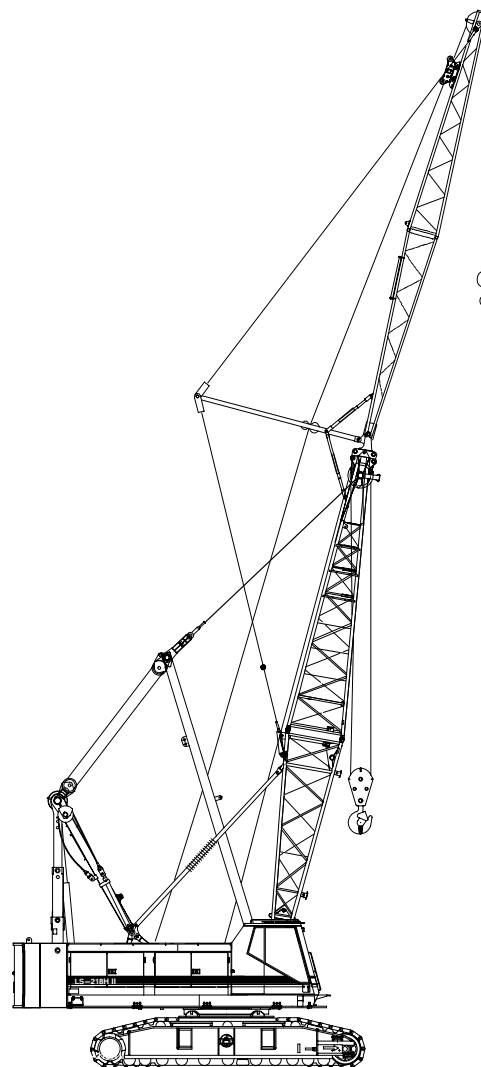
Jib Capacities

Lattice Boom (HYLAB) Crawler Crane

LS-218H II 110-ton (99.79 metric ton)

Tube Boom + Jib

- 40' – 190' (12.19 – 57.91 m) Tube Boom with 30' – 75' (9.14 – 22.86 m) of Jib
- 200' (60.96 m) Tube Boom with 30' (9.14m) or 45' (13.7 m) of Jib
- 20' (6.10 m) Open Throat Top Section with 24" (0.61 m) Wide x 32" (0.81 m) Deep Jib
- Extended Side Frames
- Over End Blocked Capacities
- 360 Degree Capacities
- "AB" Counterweight
- 20' – 10.5" (6.36 m) Crawler Length

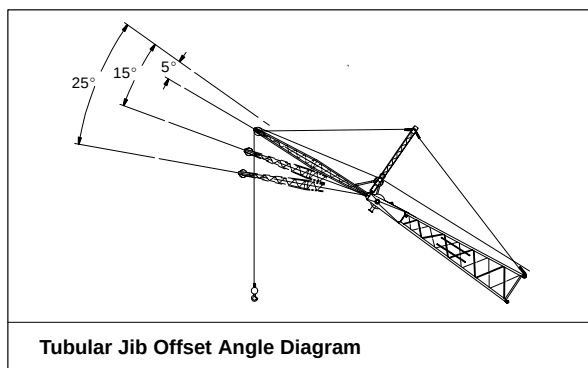
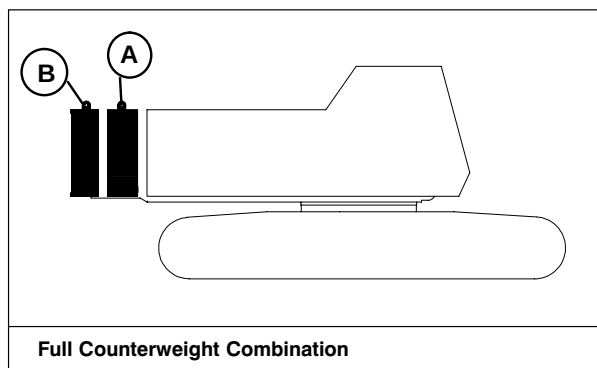


CAUTION: This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual to determine allowable machine lifting capacities and operating procedures.



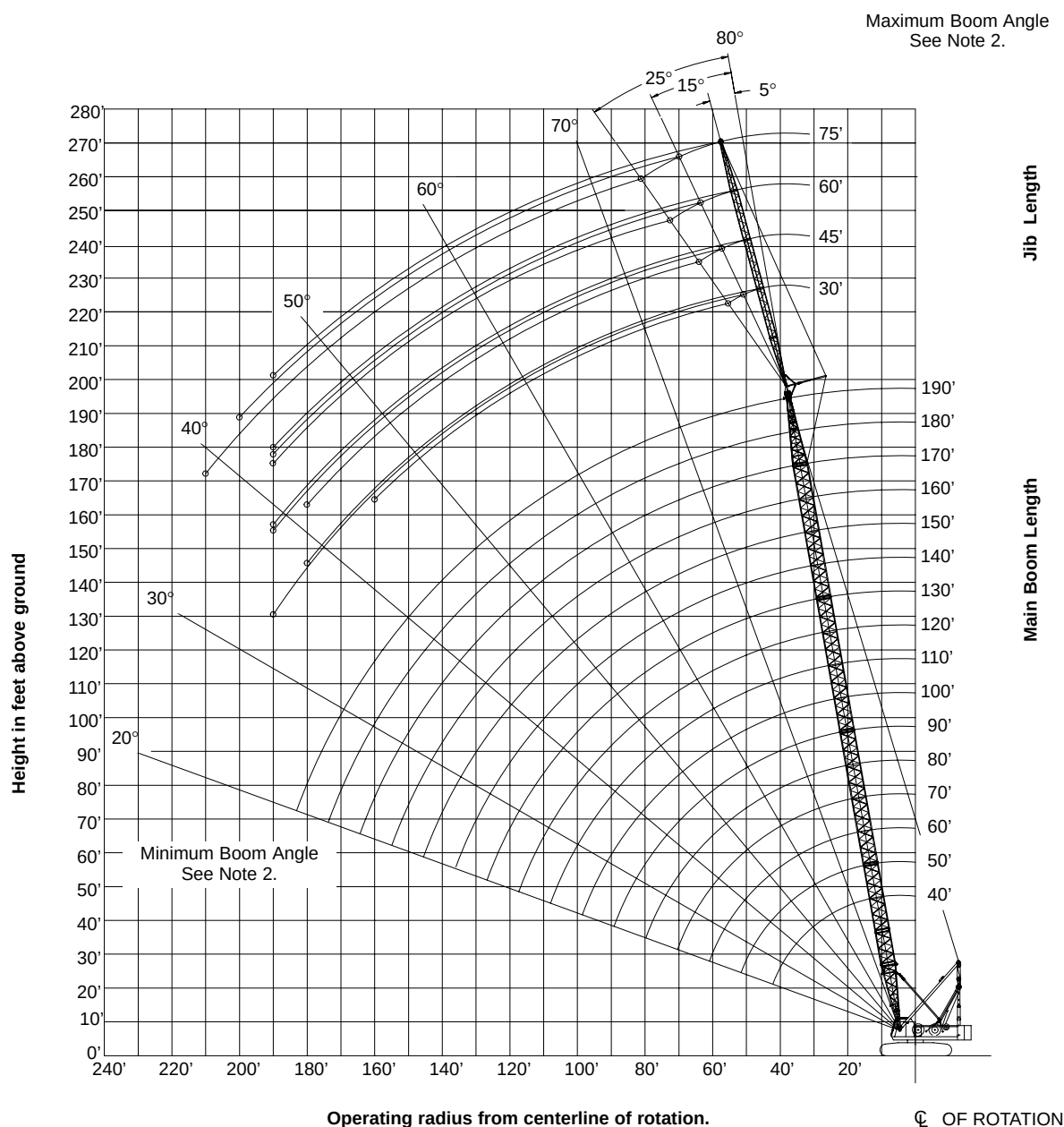
TUBULAR JIB NOTES FOR TUBE BOOM

1. Capacities are for a LS-218H II crawler crane with "AB" counterweight.
2. Separate capacity charts are listed for 360° and for over end blocked crawler working areas. Verify operating conditions as described on the Working Area Chart found in the general information section. Apply the appropriate lift capacity chart based on the working area and the specific operating conditions.
3. Over end blocked capacities can be lifted over either end with the crane standing level on a firm supporting surface. Adequate blocking must be placed under both treadmember sprockets (or idler rollers) at the end that the load is to be lifted to prevent rocking. The ramps supplied with the crane are considered to be adequate blocking.
4. Capacities are for side frames in the extended position only and are based on the crane standing level on a firm supporting surface.
5. Capacities are limited to a LBCE 50" x 60" tube boom with an open throat and a LBCE 12 ton, 24" x 32" cross section tube jib with a 11'6" high jib mast properly assembled.
6. Two parts of 1" Diameter Type "RB" wire rope are required for maximum lift.
7. Capacities are for 30', 45', 60', and 75' jib lengths only.
8. Maximum boom plus jib combination is 190' + 75' or 200' + 45'. The only jib lengths available on the 200' tube boom are 30' and 45'.
9. The least stable condition is over the side.
10. All capacities are listed in pounds and are not more than 75% of the tipping loads. Capacities with an asteric are governed by factors other than those that would cause a tipping condition.
11. 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, etc.



WORKING RANGE DIAGRAM

40' TO 190' MAIN BOOM WITH 30' TO 75' JIB

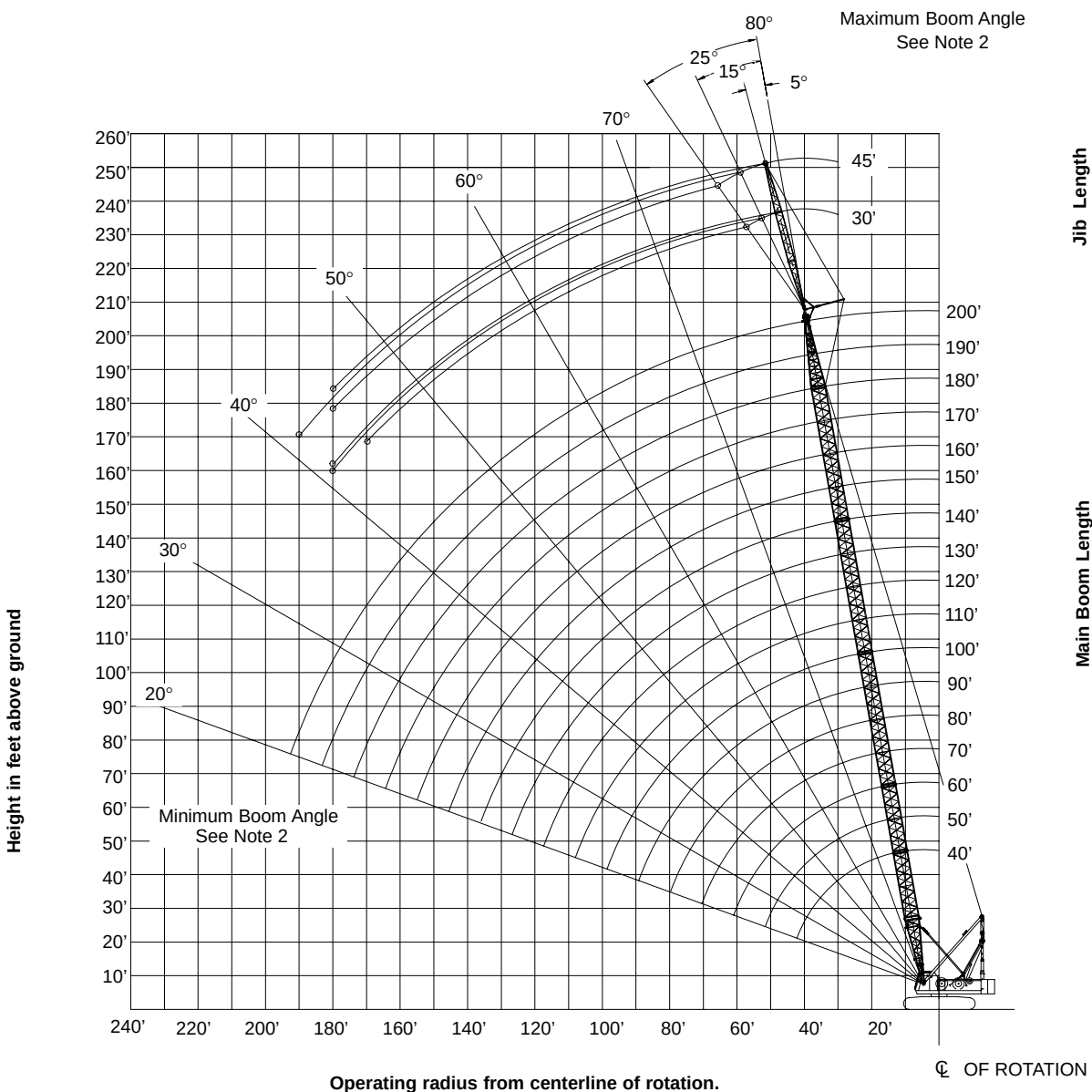


Notes:

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

200' MAIN BOOM WITH 30' AND 45' JIB



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.

LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctw															
Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.															
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lbs)	360° Jib Capacity (lbs)	
40	30	19.69	80.0	78.1	24,000 *	24,000 *									19.69
40	30	20	79.8	78.0	24,000 *	24,000 *									20
40	30	25	75.7	76.7	24,000 *	24,000 *	79.7	76.2	24,000 *	24,000 *					25
40	30	30	71.5	75.0	24,000 *	24,000 *	75.5	74.5	24,000 *	24,000 *	79.3	73.3	21,000 *	21,000 *	30
40	30	35	67.2	72.9	24,000 *	24,000 *	71.1	72.3	24,000 *	24,000 *	74.8	71.2	19,100 *	19,100 *	35
40	30	40	62.7	70.4	24,000 *	24,000 *	66.6	69.8	22,700 *	22,700 *	70.2	68.5	17,500 *	17,500 *	40
40	30	50	53.1	63.6	22,700 *	22,700 *	56.9	62.9	19,500 *	19,500 *	60.3	61.5	15,100 *	15,100 *	50
40	30	60	41.9	53.7	19,700 *	19,700 *	45.6	52.9	16,400 *	16,400 *	48.6	51.2	13,500 *	13,500 *	60
40	30	70	27.1	38.0	16,600 *	16,600 *									70
40	45	23.58	80.0	92.5	24,000 *	24,000 *									23.58
40	45	25	79.0	92.2	24,000 *	24,000 *									25
40	45	30	75.6	90.9	24,000 *	24,000 *									30
40	45	35	72.2	89.2	24,000 *	24,000 *	77.2	88.5	20,200 *	20,200 *					35
40	45	40	68.6	87.1	22,700 *	22,700 *	73.6	86.4	17,700 *	17,700 *	78.3	84.9	13,400 *	13,400 *	40
40	45	50	61.2	81.9	18,000 *	18,000 *	66.1	81.1	14,300 *	14,300 *	70.7	79.5	11,200 *	11,200 *	50
40	45	60	53.1	74.8	14,600 *	14,600 *	57.9	73.9	11,900 *	11,900 *	62.3	72.2	9,700 *	9,700 *	60
40	45	70	44.0	65.1	12,300 *	12,300 *	48.6	64.1	10,300 *	10,300 *	52.7	62.0	8,500 *	8,500 *	70
40	45	80	32.7	51.2	10,600 *	10,600 *	37.1	49.9	9,200 *	9,200 *					80
40	60	27.46	80.0	107.0	24,000 *	24,000 *									27.46
40	60	30	78.5	106.4	23,200 *	23,200 *									30
40	60	35	75.6	105.0	22,100 *	22,100 *									35
40	60	40	72.7	103.3	18,900 *	18,900 *	78.4	102.5	14,300 *	14,300 *					40
40	60	50	66.5	99.0	14,600 *	14,600 *	72.2	98.1	11,500 *	11,500 *	77.7	96.5	8,900 *	8,900 *	50
40	60	60	60.1	93.3	11,800 *	11,800 *	65.7	92.4	9,600 *	9,600 *	71.0	90.6	7,600 *	7,600 *	60
40	60	70	53.1	85.9	9,900 *	9,900 *	58.6	85.0	8,200 *	8,200 *	63.8	83.0	6,600 *	6,600 *	70
40	60	80	45.4	76.4	8,500 *	8,500 *	50.8	75.3	7,200 *	7,200 *	55.7	73.0	5,900 *	5,900 *	80
40	60	90	36.2	63.5	7,500 *	7,500 *	41.4	62.1	6,400 *	6,400 *	46.0	59.3	5,400 *	5,400 *	90
40	75	31.34	80.0	121.5	20,600 *	20,600 *									31.34
40	75	35	78.2	120.6	18,600 *	18,600 *									35
40	75	40	75.6	119.1	16,000 *	16,000 *									40
40	75	50	70.4	115.5	12,400 *	12,400 *	76.6	114.6	9,700 *	9,700 *					50
40	75	60	65.0	110.7	10,000 *	10,000 *	71.2	109.8	8,000 *	8,000 *	77.2	107.9	6,300 *	6,300 *	60
40	75	70	59.3	104.7	8,400 *	8,400 *	65.4	103.7	6,800 *	6,800 *	71.3	101.7	5,400 *	5,400 *	70
40	75	80	53.1	97.1	7,200 *	7,200 *	59.2	96.0	5,900 *	5,900 *	64.9	93.9	4,700 *	4,700 *	80
40	75	90	46.4	87.6	6,300 *	6,300 *	52.4	86.4	5,200 *	5,200 *	57.9	84.0	4,200 *	4,200 *	90
40	75	100	38.7	75.4	5,500 *	5,500 *	44.5	74.0	4,700 *	4,700 *	49.8	71.1	3,800 *	3,800 *	100
40	75	110	29.1	58.6	4,900 *	4,900 *									110
50	30	21.43	80.0	87.9	24,000 *	24,000 *									21.43
50	30	25	77.4	87.1	24,000 *	24,000 *									25
50	30	30	73.8	85.6	24,000 *	24,000 *	77.3	85.0	24,000 *	24,000 *					30
50	30	35	70.1	83.8	24,000 *	24,000 *	73.6	83.2	24,000 *	24,000 *	76.9	81.9	19,800 *	19,800 *	35
50	30	40	66.3	81.6	24,000 *	24,000 *	69.7	81.0	23,100 *	23,100 *	73.0	79.7	18,300 *	18,300 *	40
50	30	50	58.3	76.0	24,000 *	24,000 *	61.6	75.3	21,500 *	21,500 *	64.7	73.9	16,000 *	16,000 *	50
50	30	60	49.4	68.2	22,500 *	22,500 *	52.7	67.4	18,100 *	18,100 *	55.5	65.8	14,300 *	14,300 *	60
50	30	70	39.1	57.2	18,900 *	18,900 *	42.2	56.3	15,800 *	15,800 *					70
50	30	80	25.2	40.1	16,300 *	16,300 *									80

LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctwrt																	
Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.																	
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom													Jib Load Radius (ft)	
			5 Degrees				15 Degrees				25 Degrees						
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)		Jib Capacity (lbs)
50	45	25.31	80.0	102.4	24,000 *		24,000 *									25.31	
50	45	30	77.2	101.2	24,000 *		24,000 *									30	
50	45	35	74.1	99.7	24,000 *		24,000 *	78.6	99.0	21,300 *		21,300 *				35	
50	45	40	70.9	97.9	22,700 *		22,700 *	75.4	97.2	18,900 *		18,900 *	79.7	95.6	13,900 *	13,900 *	40
50	45	50	64.5	93.4	20,000 *		20,000 *	68.8	92.5	15,300 *		15,300 *	73.0	90.9	11,700 *	11,700 *	50
50	45	60	57.5	87.3	16,200 *		16,200 *	61.9	86.4	12,900 *		12,900 *	65.9	84.6	10,200 *	10,200 *	60
50	45	70	50.0	79.3	13,600 *		13,600 *	54.2	78.3	11,200 *		11,200 *	58.0	76.3	9,100 *	9,100 *	70
50	45	80	41.4	68.7	11,800 *		11,800 *	45.5	67.6	9,900 *		9,900 *	49.0	65.2	8,200 *	8,200 *	80
50	45	90	30.8	53.8	10,400 *		10,400 *									90	
50	60	29.2	80.0	116.9	24,000 *		24,000 *									29.2	
50	60	30	79.6	116.7	24,000 *		24,000 *									30	
50	60	35	76.9	115.4	22,600 *		22,600 *									35	
50	60	40	74.3	113.9	20,500 *		20,500 *	79.5	113.0	14,900 *		14,900 *				40	
50	60	50	68.8	110.0	15,900 *		15,900 *	73.9	109.1	12,100 *		12,100 *	78.9	107.2	9,200 *	9,200 *	50
50	60	60	63.1	105.0	13,000 *		13,000 *	68.2	104.0	10,200 *		10,200 *	73.0	102.0	7,900 *	7,900 *	60
50	60	70	57.0	98.6	10,900 *		10,900 *	62.0	97.5	8,800 *		8,800 *	66.7	95.4	7,000 *	7,000 *	70
50	60	80	50.4	90.5	9,400 *		9,400 *	55.4	89.3	7,700 *		7,700 *	59.9	87.0	6,200 *	6,200 *	80
50	60	90	43.1	80.1	8,200 *		8,200 *	47.9	78.8	6,900 *		6,900 *	52.2	76.2	5,700 *	5,700 *	90
50	60	100	34.4	66.4	7,300 *		7,300 *	39.0	64.8	6,300 *		6,300 *				100	
50	75	33.08	80.0	131.4	20,500 *		20,500 *									33.08	
50	75	35	79.1	130.9	19,800 *		19,800 *									35	
50	75	40	76.8	129.6	17,100 *		17,100 *									40	
50	75	50	72.0	126.2	13,300 *		13,300 *	77.8	125.2	10,100 *		10,100 *				50	
50	75	60	67.1	121.9	10,800 *		10,800 *	72.8	120.9	8,400 *		8,400 *	78.3	118.8	6,400 *	6,400 *	60
50	75	70	62.0	116.5	9,100 *		9,100 *	67.6	115.4	7,200 *		7,200 *	73.0	113.2	5,600 *	5,600 *	70
50	75	80	56.6	109.8	7,800 *		7,800 *	62.2	108.7	6,300 *		6,300 *	67.4	106.3	5,000 *	5,000 *	80
50	75	90	50.7	101.6	6,800 *		6,800 *	56.3	100.4	5,600 *		5,600 *	61.4	97.8	4,400 *	4,400 *	90
50	75	100	44.3	91.5	6,000 *		6,000 *	49.7	90.1	5,000 *		5,000 *	54.7	87.2	4,000 *	4,000 *	100
50	75	110	36.9	78.5	5,400 *		5,400 *	42.2	76.9	4,500 *		4,500 *	46.8	73.4	3,700 *	3,700 *	110
50	75	120	27.7	60.8	4,900 *		4,900 *									120	
60	30	23.17	80.0	97.8	24,000 *		24,000 *									23.17	
60	30	25	78.8	97.4	24,000 *		24,000 *									25	
60	30	30	75.6	96.1	24,000 *		24,000 *	78.8	95.4	24,000 *		24,000 *				30	
60	30	35	72.4	94.5	24,000 *		24,000 *	75.5	93.8	24,000 *		24,000 *	78.4	92.5	20,400 *	20,400 *	35
60	30	40	69.0	92.6	24,000 *		24,000 *	72.1	91.9	24,000 *		24,000 *	75.0	90.6	19,000 *	19,000 *	40
60	30	50	62.1	87.7	24,000 *		24,000 *	65.1	87.0	22,700 *		22,700 *	67.9	85.6	16,700 *	16,700 *	50
60	30	60	54.7	81.1	22,700 *		22,700 *	57.6	80.4	19,700 *		19,700 *	60.2	78.8	15,000 *	15,000 *	60
60	30	70	46.4	72.4	21,200 *		21,200 *	49.3	71.5	17,200 *		17,200 *	51.7	69.8	13,700 *	13,700 *	70
60	30	80	36.7	60.5	18,300 *		18,300 *	39.4	59.4	15,400 *		15,400 *				80	
60	45	27.05	80.0	112.2	24,000 *		24,000 *									27.05	
60	45	30	78.4	111.6	24,000 *		24,000 *									30	
60	45	35	75.6	110.2	24,000 *		24,000 *	79.7	109.4	22,300 *		22,300 *				35	
60	45	40	72.8	108.6	24,000 *		24,000 *	76.8	107.8	19,900 *		19,900 *				40	
60	45	50	67.0	104.5	21,900 *		21,900 *	71.0	103.6	16,300 *		16,300 *	74.8	101.9	12,200 *	12,200 *	50
60	45	60	61.0	99.2	17,800 *		17,800 *	64.9	98.3	13,800 *		13,800 *	68.5	96.4	10,700 *	10,700 *	60
60	45	70	54.5	92.3	15,000 *		15,000 *	58.3	91.3	12,000 *		12,000 *	61.8	89.3	9,500 *	9,500 *	70
60	45	80	47.4	83.6	13,000 *		13,000 *	51.1	82.5	10,700 *		10,700 *	54.4	80.2	8,700 *	8,700 *	80
60	45	90	39.2	72.2	11,400 *		11,400 *	42.9	70.9	9,600 *		9,600 *	45.9	68.2	8,000 *	8,000 *	90
60	45	100	29.2	56.2	10,200 *		10,200 *									100	



LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctwrt

Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	360° Jib Capacity (lbs)	
60	60	30.93	80.0	126.7	24,000 *	24,000 *									30.93
60	60	35	78.0	125.8	22,400 *	22,400 *									35
60	60	40	75.6	124.4	22,100 *	22,100 *									40
60	60	50	70.6	120.8	17,200 *	17,200 *	75.4	119.8	12,700 *	12,700 *	79.9	117.8	9,400 *	9,400 *	50
60	60	60	65.5	116.3	14,000 *	14,000 *	70.2	115.3	10,800 *	10,800 *	74.6	113.2	8,200 *	8,200 *	60
60	60	70	60.1	110.6	11,800 *	11,800 *	64.7	109.5	9,300 *	9,300 *	69.0	107.3	7,300 *	7,300 *	70
60	60	80	54.3	103.5	10,200 *	10,200 *	58.9	102.4	8,200 *	8,200 *	63.1	100.0	6,500 *	6,500 *	80
60	60	90	48.1	94.8	8,900 *	8,900 *	52.6	93.5	7,400 *	7,400 *	56.6	90.8	5,900 *	5,900 *	90
60	60	100	41.1	83.7	8,000 *	8,000 *	45.4	82.2	6,700 *	6,700 *	49.2	79.2	5,500 *	5,500 *	100
60	60	110	32.8	69.2	7,200 *	7,200 *	36.9	67.3	6,100 *	6,100 *					110
60	75	34.81	80.0	141.2	20,400 *	20,400 *									34.81
60	75	35	79.9	141.2	20,300 *	20,300 *									35
60	75	40	77.8	139.9	18,100 *	18,100 *									40
60	75	50	73.4	136.9	14,200 *	14,200 *	78.7	135.8	10,400 *	10,400 *					50
60	75	60	68.9	132.9	11,600 *	11,600 *	74.2	131.8	8,800 *	8,800 *	79.3	129.5	6,600 *	6,600 *	60
60	75	70	64.2	128.0	9,800 *	9,800 *	69.5	126.8	7,600 *	7,600 *	74.5	124.4	5,800 *	5,800 *	70
60	75	80	59.4	122.0	8,400 *	8,400 *	64.6	120.8	6,700 *	6,700 *	69.4	118.3	5,100 *	5,100 *	80
60	75	90	54.2	114.7	7,300 *	7,300 *	59.3	113.4	5,900 *	5,900 *	64.1	110.8	4,600 *	4,600 *	90
60	75	100	48.6	106.0	6,500 *	6,500 *	53.7	104.5	5,300 *	5,300 *	58.3	101.6	4,200 *	4,200 *	100
60	75	110	42.5	95.2	5,800 *	5,800 *	47.4	93.5	4,800 *	4,800 *	51.8	90.2	3,900 *	3,900 *	110
60	75	120	35.4	81.5	5,300 *	5,300 *	40.2	79.6	4,400 *	4,400 *					120
60	75	130	26.6	62.9	4,800 *	4,800 *									130
70	30	24.9	80.0	107.6	24,000 *	24,000 *									24.9
70	30	25	79.9	107.6	24,000 *	24,000 *									25
70	30	30	77.1	106.4	24,000 *	24,000 *	79.9	105.8	24,000 *	24,000 *					30
70	30	35	74.2	105.0	24,000 *	24,000 *	77.0	104.3	24,000 *	24,000 *	79.6	103.0	20,900 *	20,900 *	35
70	30	40	71.2	103.3	24,000 *	24,000 *	74.0	102.6	24,000 *	24,000 *	76.6	101.3	19,500 *	19,500 *	40
70	30	50	65.1	99.0	24,000 *	24,000 *	67.8	98.3	22,600 *	22,600 *	70.3	96.8	17,300 *	17,300 *	50
70	30	60	58.6	93.3	24,000 *	24,000 *	61.3	92.5	21,200 *	21,200 *	63.7	91.0	15,700 *	15,700 *	60
70	30	70	51.7	86.0	22,700 *	22,000 *	54.3	85.1	18,600 *	18,600 *	56.5	83.4	14,400 *	14,400 *	70
70	30	80	43.9	76.4	20,300 *	18,400 *	46.4	75.4	16,500 *	16,500 *	48.5	73.5	13,400 *	13,400 *	80
70	30	90	34.8	63.5	17,800 *	15,600 *	37.1	62.4	15,100 *	15,100 *					90
70	45	28.79	80.0	122.1	24,000 *	24,000 *									28.79
70	45	30	79.4	121.8	24,000 *	24,000 *									30
70	45	35	76.9	120.6	24,000 *	24,000 *									35
70	45	40	74.3	119.1	24,000 *	24,000 *	78.0	118.2	20,800 *	20,800 *					40
70	45	50	69.1	115.5	22,600 *	22,600 *	72.8	114.5	17,200 *	17,200 *	76.2	112.7	12,600 *	12,600 *	50
70	45	60	63.7	110.7	19,400 *	19,400 *	67.3	109.7	14,700 *	14,700 *	70.6	107.8	11,100 *	11,100 *	60
70	45	70	58.0	104.7	16,400 *	16,400 *	61.5	103.6	12,800 *	12,800 *	64.8	101.6	10,000 *	10,000 *	70
70	45	80	51.8	97.1	14,100 *	14,100 *	55.3	96.0	11,400 *	11,400 *	58.4	93.8	9,100 *	9,100 *	80
70	45	90	45.1	87.6	12,400 *	12,400 *	48.5	86.4	10,300 *	10,300 *	51.4	83.9	8,400 *	8,400 *	90
70	45	100	37.4	75.4	11,100 *	11,100 *	40.6	74.0	9,400 *	9,400 *					100
70	45	110	27.8	58.6	10,100 *	10,100 *									110
70	60	32.67	80.0	136.6	24,000 *	24,000 *									32.67
70	60	35	79.0	136.0	23,700 *	23,700 *									35
70	60	40	76.7	134.8	22,600 *	22,600 *									40
70	60	50	72.2	131.5	18,400 *	18,400 *	76.5	130.5	13,200 *	13,200 *					50
70	60	60	67.5	127.4	15,100 *	15,100 *	71.8	126.3	11,300 *	11,300 *	75.9	124.1	8,500 *	8,500 *	60



LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctw

Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib 360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib 360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib 360° Jib Capacity (lbs)	
70	60	70	62.6	122.3	12,700 *	12,700 *	66.9	121.1	9,800 *	9,800 *	70.9	118.8	7,500 *	7,500 *	70
70	60	80	57.5	116.0	11,000 *	11,000 *	61.7	114.7	8,700 *	8,700 *	65.6	112.3	6,800 *	6,800 *	80
70	60	90	52.0	108.3	9,700 *	9,700 *	56.2	107.0	7,800 *	7,800 *	59.9	104.3	6,200 *	6,200 *	90
70	60	100	46.0	98.9	8,600 *	8,600 *	50.1	97.4	7,100 *	7,100 *	53.7	94.5	5,700 *	5,700 *	100
70	60	110	39.3	87.1	7,800 *	7,800 *	43.3	85.5	6,500 *	6,500 *	46.6	82.1	5,400 *	5,400 *	110
70	60	120	31.4	71.8	7,100 *	7,100 *	35.1	69.7	6,100 *	6,100 *					120
70	75	36.55	80.0	151.1	20,200 *	20,200 *									36.55
70	75	40	78.6	150.3	19,100 *	19,100 *									40
70	75	50	74.6	147.4	15,100 *	15,100 *	79.5	146.2	10,800 *	10,800 *					50
70	75	60	70.4	143.7	12,400 *	12,400 *	75.3	142.5	9,200 *	9,200 *					60
70	75	70	66.1	139.2	10,400 *	10,400 *	71.0	138.0	7,900 *	7,900 *	75.7	135.5	5,900 *	5,900 *	70
70	75	80	61.7	133.8	9,000 *	9,000 *	66.5	132.5	7,000 *	7,000 *	71.1	129.9	5,300 *	5,300 *	80
70	75	90	57.1	127.2	7,900 *	7,900 *	61.8	125.9	6,200 *	6,200 *	66.3	123.1	4,800 *	4,800 *	90
70	75	100	52.1	119.4	7,000 *	7,000 *	56.8	118.0	5,600 *	5,600 *	61.2	115.0	4,400 *	4,400 *	100
70	75	110	46.8	110.1	6,300 *	6,300 *	51.4	108.5	5,100 *	5,100 *	55.6	105.2	4,000 *	4,000 *	110
70	75	120	40.9	98.7	5,700 *	5,700 *	45.4	96.9	4,700 *	4,700 *	49.3	93.2	3,800 *	3,800 *	120
70	75	130	34.1	84.4	5,200 *	5,200 *	38.4	82.2	4,400 *	4,400 *					130
70	75	140	25.6	65.0	4,800 *	4,800 *									140
80	30	26.64	80.0	117.4	24,000 *	24,000 *									26.64
80	30	30	78.2	116.7	24,000 *	24,000 *									30
80	30	35	75.6	115.4	24,000 *	24,000 *		114.7	24,000 *	24,000 *					35
80	30	40	72.9	113.9	24,000 *	24,000 *	75.5	113.2	24,000 *	24,000 *	77.9	111.8	20,000 *	20,000 *	40
80	30	50	67.5	110.0	24,000 *	24,000 *	70.0	109.3	23,100 *	23,100 *	72.3	107.8	17,900 *	17,900 *	50
80	30	60	61.7	105.0	24,000 *	24,000 *	64.2	104.2	22,600 *	22,600 *	66.4	102.7	16,200 *	16,200 *	60
80	30	70	55.7	98.6	22,700 *	21,800	58.1	97.8	19,900 *	19,900 *	60.2	96.1	14,900 *	14,900 *	70
80	30	80	49.1	90.5	21,200	18,200	51.4	89.6	17,700 *	17,700 *	53.4	87.8	13,900 *	13,900 *	80
80	30	90	41.7	80.2	18,100	15,400	44.0	79.1	16,100 *	15,600	45.8	77.1	13,100 *	13,100 *	90
80	30	100	33.1	66.4	15,600	13,300	35.2	65.2	14,800 *	13,400					100
80	45	30.52	80.0	131.9	24,000 *	24,000 *									30.52
80	45	35	77.9	130.9	24,000 *	24,000 *									35
80	45	40	75.6	129.6	24,000 *	24,000 *	79.0	128.7	21,600 *	21,600 *					40
80	45	50	70.8	126.2	22,600 *	22,600 *	74.2	125.3	18,000 *	18,000 *	77.4	123.4	13,000 *	13,000 *	50
80	45	60	65.9	121.9	21,000 *	21,000 *	69.3	120.9	15,400 *	15,400 *	72.4	119.0	11,500 *	11,500 *	60
80	45	70	60.8	116.5	17,700 *	17,700 *	64.1	115.5	13,500 *	13,500 *	67.1	113.4	10,400 *	10,400 *	70
80	45	80	55.4	109.8	15,300 *	15,300 *	58.6	108.7	12,100 *	12,100 *	61.5	106.5	9,500 *	9,500 *	80
80	45	90	49.6	101.6	13,500 *	13,500 *	52.7	100.5	10,900 *	10,900 *	55.5	98.0	8,700 *	8,700 *	90
80	45	100	43.1	91.5	12,000 *	12,000 *	46.2	90.2	10,000 *	10,000 *	48.8	87.4	8,200 *	8,200 *	100
80	45	110	35.8	78.6	10,900 *	10,900 *	38.7	77.0	9,200 *	9,200 *					110
80	45	120	26.6	60.8	10,000 *	10,000 *									120
80	60	34.4	80.0	146.4	24,000 *	24,000 *									34.4
80	60	35	79.8	146.3	24,000 *	24,000 *									35
80	60	40	77.7	145.1	22,600 *	22,600 *									40
80	60	50	73.5	142.1	19,600 *	19,600 *	77.5	141.0	13,700 *	13,700 *					50
80	60	60	69.2	138.3	16,100 *	16,100 *	73.2	137.2	11,800 *	11,800 *	77.0	134.9	8,700 *	8,700 *	60
80	60	70	64.7	133.6	13,600 *	13,600 *	68.7	132.5	10,300 *	10,300 *	72.4	130.1	7,800 *	7,800 *	70
80	60	80	60.1	127.9	11,800 *	11,800 *	64.0	126.7	9,100 *	9,100 *	67.7	124.2	7,000 *	7,000 *	80
80	60	90	55.2	121.1	10,400 *	10,400 *	59.1	119.7	8,200 *	8,200 *	62.6	117.1	6,400 *	6,400 *	90
80	60	100	49.9	112.8	9,200 *	9,200 *	53.8	111.4	7,500 *	7,500 *	57.2	108.5	6,000 *	6,000 *	100
80	60	110	44.2	102.8	8,300 *	8,300 *	48.0	101.2	6,900 *	6,900 *	51.2	98.0	5,600 *	5,600 *	110

LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctrwt

Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)								
			5 Degrees				15 Degrees				25 Degrees												
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	360° Jib Capacity (lbs)									
80	60	120	37.8	90.4	7,600 *	7,600 *	41.4	88.6	6,400 *	6,400 *					120								
80	60	130	30.2	74.3	7,000 *	7,000 *										130							
80	75	38.29	80.0	160.9	20,100 *	20,100 *	76.3	153.2	9,500 *	9,500 *	76.7	146.4	6,100 *	6,100 *	38.29								
80	75	40	79.4	160.5	19,900 *	19,900 *																40	
80	75	50	75.6	157.9	15,900 *	15,900 *																50	
80	75	60	71.7	154.5	13,100 *	13,100 *																60	
80	75	70	67.8	150.3	11,100 *	11,100 *									72.3	149.0	8,300 *	8,300 *				70	
80	75	80	63.7	145.3	9,600 *	9,600 *									68.2	143.9	7,300 *	7,300 *	72.5	141.2	5,500 *	5,500 *	80
80	75	90	59.5	139.3	8,400 *	8,400 *									63.9	137.9	6,500 *	6,500 *	68.1	135.1	5,000 *	5,000 *	90
80	75	100	55.0	132.3	7,400 *	7,400 *									59.4	130.8	5,900 *	5,900 *	63.5	127.8	4,500 *	4,500 *	100
80	75	110	50.2	124.0	6,700 *	6,700 *									54.6	122.3	5,400 *	5,400 *	58.6	119.1	4,200 *	4,200 *	110
80	75	120	45.1	114.1	6,100 *	6,100 *									49.4	112.3	4,900 *	4,900 *	53.2	108.7	3,900 *	3,900 *	120
80	75	130	39.4	102.1	5,500 *	5,500 *									43.6	100.1	4,600 *	4,600 *	47.1	96.0	3,700 *	3,700 *	130
80	75	140	32.9	87.1	5,100 *	5,100 *									36.9	84.7	4,300 *	4,300 *					140
90	30	28.38	80.0	127.3	24,000 *	24,000 *									79.2	125.1	24,000 *	24,000 *	78.9	122.2	20,500 *	20,500 *	28.38
90	30	30	79.2	127.0	24,000 *	24,000 *																	
90	30	35	76.8	125.8	24,000 *	24,000 *								35									
90	30	40	74.4	124.4	24,000 *	24,000 *	76.7	123.7	24,000 *	24,000 *				40									
90	30	50	69.4	120.9	24,000 *	24,000 *	71.7	120.1	24,000 *	24,000 *	73.8	118.7	18,400 *	18,400 *									50
90	30	60	64.3	116.3	24,000 *	24,000 *	66.5	115.6	22,600 *	22,600 *	68.6	114.0	16,800 *	16,800 *									60
90	30	70	58.9	110.6	23,300 *	21,600 *	61.1	109.8	21,100 *	21,100 *	63.1	108.2	15,500 *	15,500 *									70
90	30	80	53.1	103.6	21,000 *	17,900 *	55.3	102.7	18,900 *	18,200 *	57.2	101.0	14,400 *	14,400 *									80
90	30	90	46.9	94.8	17,800 *	15,200 *	49.0	93.9	17,100 *	15,400 *	50.7	91.9	13,600 *	13,600 *									90
90	30	100	39.9	83.8	15,400 *	13,100 *	41.9	82.7	15,500 *	13,200 *													100
90	30	110	31.6	69.2	13,400 *	11,300 *																	110
90	45	32.26	80.0	141.8	24,000 *	24,000 *	79.8	139.0	22,400 *	22,400 *	78.4	134.0	13,300 *	13,300 *									32.26
90	45	35	78.8	141.2	24,000 *	24,000 *																35	
90	45	40	76.7	140.0	24,000 *	24,000 *																40	
90	45	50	72.3	136.9	24,000 *	24,000 *									75.4	135.9	18,800 *	18,800 *				50	
90	45	60	67.8	132.9	22,100 *	22,100 *									70.9	131.9	16,200 *	16,200 *	73.8	129.9	11,900 *	11,900 *	60
90	45	70	63.2	128.0	19,100 *	19,100 *									66.2	127.0	14,200 *	14,200 *	69.0	124.9	10,700 *	10,700 *	70
90	45	80	58.3	122.0	16,500 *	16,500 *									61.3	120.9	12,700 *	12,700 *	64.0	118.7	9,800 *	9,800 *	80
90	45	90	53.1	114.8	14,500 *	14,500 *									56.1	113.6	11,500 *	11,500 *	58.7	111.2	9,100 *	9,100 *	90
90	45	100	47.6	106.0	13,000 *	13,000 *									50.4	104.7	10,500 *	10,500 *	52.9	102.1	8,500 *	8,500 *	100
90	45	110	41.4	95.2	11,700 *	11,500 *									44.2	93.7	9,700 *	9,700 *	46.5	90.8	8,000 *	8,000 *	110
90	45	120	34.3	81.5	10,700 *	10,100 *									37.0	79.8	9,100 *	9,100 *					120
90	45	130	25.5	63.0	9,900 *	8,900 *																	130
90	60	36.14	80.0	156.3	24,000 *	24,000 *	78.4	151.5	14,200 *	14,200 *	78.0	145.6	8,900 *	8,900 *	36.14								
90	60	40	78.5	155.4	22,900 *	22,900 *																40	
90	60	50	74.6	152.6	20,800 *	20,800 *																50	
90	60	60	70.6	149.1	17,100 *	17,100 *									74.4	147.9	12,200 *	12,200 *				60	
90	60	70	66.5	144.8	14,500 *	14,500 *									70.2	143.6	10,700 *	10,700 *	73.7	141.1	8,000 *	8,000 *	70
90	60	80	62.3	139.6	12,600 *	12,600 *									65.9	138.3	9,600 *	9,600 *	69.4	135.8	7,300 *	7,300 *	80
90	60	90	57.8	133.3	11,100 *	11,100 *									61.5	132.0	8,600 *	8,600 *	64.8	129.3	6,700 *	6,700 *	90
90	60	100	53.1	125.9	9,900 *	9,900 *									56.7	124.5	7,800 *	7,800 *	59.9	121.7	6,200 *	6,200 *	100
90	60	110	48.1	117.1	8,900 *	8,900 *									51.6	115.6	7,200 *	7,200 *	54.7	112.5	5,800 *	5,800 *	110
90	60	120	42.6	106.6	8,100 *	8,100 *									46.1	104.9	6,700 *	6,700 *	49.0	101.4	5,400 *	5,400 *	120
90	60	130	36.4	93.6	7,400 *	7,400 *									39.8	91.6	6,300 *	6,300 *					130
90	60	140	29.1	76.8	6,900 *	6,900 *																	140

LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctrt

Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	360° Jib Capacity (lbs)	
90	75	40.02	80.0	170.8	19,900 *	19,900 *									40.02
90	75	50	76.5	168.3	16,700 *	16,700 *									50
90	75	60	72.9	165.1	13,800 *	13,800 *	77.2	163.8	9,800 *	9,800 *					60
90	75	70	69.2	161.2	11,700 *	11,700 *	73.5	159.9	8,500 *	8,500 *	77.6	157.1	6,200 *	6,200 *	70
90	75	80	65.4	156.6	10,100 *	10,100 *	69.7	155.2	7,600 *	7,600 *	73.7	152.3	5,600 *	5,600 *	80
90	75	90	61.5	151.1	8,900 *	8,900 *	65.7	149.6	6,800 *	6,800 *	69.7	146.7	5,100 *	5,100 *	90
90	75	100	57.4	144.6	7,900 *	7,900 *	61.6	143.1	6,200 *	6,200 *	65.4	140.0	4,700 *	4,700 *	100
90	75	110	53.1	137.1	7,100 *	7,100 *	57.3	135.5	5,600 *	5,600 *	61.0	132.2	4,300 *	4,300 *	110
90	75	120	48.6	128.3	6,400 *	6,400 *	52.6	126.6	5,200 *	5,200 *	56.2	123.0	4,100 *	4,100 *	120
90	75	130	43.6	117.9	5,900 *	5,900 *	47.6	116.0	4,800 *	4,800 *	51.0	112.1	3,800 *	3,800 *	130
90	75	140	38.1	105.4	5,400 *	5,400 *	42.0	103.2	4,500 *	4,500 *	45.2	98.8	3,600 *	3,600 *	140
90	75	150	31.8	89.8	5,000 *	5,000 *	35.5	87.2	4,200 *	4,200 *					150
100	30	30.11	80.0	137.1	24,000 *	24,000 *									30.11
100	30	35	77.8	136.1	24,000 *	24,000 *									35
100	30	40	75.6	134.8	24,000 *	24,000 *	77.8	134.1	24,000 *	24,000 *	79.8	132.6	20,900 *	20,900 *	40
100	30	50	71.0	131.6	24,000 *	24,000 *	73.2	130.8	24,000 *	24,000 *	75.2	129.3	18,800 *	18,800 *	50
100	30	60	66.3	127.5	24,000 *	24,000 *	68.5	126.7	22,600 *	22,600 *	70.4	125.1	17,200 *	17,200 *	60
100	30	70	61.5	122.3	23,600 *	21,300 *	63.5	121.5	21,900 *	21,600 *	65.4	119.9	15,900 *	15,900 *	70
100	30	80	56.3	116.0	20,800 *	17,700 *	58.4	115.1	19,800 *	18,000 *	60.2	113.4	14,900 *	14,900 *	80
100	30	90	50.9	108.3	17,600 *	15,000 *	52.9	107.4	17,800 *	15,200 *	54.5	105.6	14,000 *	14,000 *	90
100	30	100	44.9	98.9	15,100 *	12,800 *	46.9	97.9	15,300 *	13,000 *	48.4	95.9	13,300 *	13,100 *	100
100	30	110	38.2	87.2	13,200 *	11,100 *	40.1	86.0	13,300 *	11,200 *					110
100	30	120	30.3	71.9	11,500 *	9,700 *									120
100	45	34	80.0	151.6	24,000 *	24,000 *									34
100	45	35	79.6	151.4	24,000 *	24,000 *									35
100	45	40	77.6	150.3	24,000 *	24,000 *									40
100	45	50	73.6	147.4	24,000 *	24,000 *	76.5	146.4	19,500 *	19,500 *	79.2	144.4	13,600 *	13,600 *	50
100	45	60	69.4	143.8	22,300 *	22,300 *	72.3	142.7	16,900 *	16,900 *	75.0	140.7	12,200 *	12,200 *	60
100	45	70	65.1	139.3	19,500 *	19,500 *	68.0	138.2	14,900 *	14,900 *	70.6	136.1	11,100 *	11,100 *	70
100	45	80	60.7	133.8	17,300 *	17,300 *	63.5	132.7	13,300 *	13,300 *	66.1	130.5	10,100 *	10,100 *	80
100	45	90	56.0	127.3	15,500 *	15,200 *	58.8	126.1	12,100 *	12,100 *	61.3	123.8	9,400 *	9,400 *	90
100	45	100	51.1	119.5	13,900 *	13,100 *	53.8	118.2	11,000 *	11,000 *	56.2	115.7	8,800 *	8,800 *	100
100	45	110	45.8	110.1	12,500 *	11,300 *	48.4	108.8	10,200 *	10,200 *	50.6	106.0	8,300 *	8,300 *	110
100	45	120	39.9	98.7	11,500 *	9,900 *	42.4	97.2	9,500 *	9,500 *					120
100	45	130	33.1	84.4	10,400 *	8,700 *	35.5	82.6	9,000 *	8,800 *					130
100	60	37.88	80.0	166.1	24,000 *	24,000 *									37.88
100	60	40	79.2	165.7	24,000 *	24,000 *									40
100	60	50	75.6	163.1	21,600 *	21,600 *	79.2	161.9	14,600 *	14,600 *					50
100	60	60	71.9	159.8	18,100 *	18,100 *	75.4	158.6	12,700 *	12,700 *	78.8	156.1	9,100 *	9,100 *	60
100	60	70	68.1	155.8	15,400 *	15,400 *	71.6	154.5	11,200 *	11,200 *	74.9	152.0	8,200 *	8,200 *	70
100	60	80	64.1	151.0	13,300 *	13,300 *	67.6	149.7	10,000 *	10,000 *	70.8	147.1	7,500 *	7,500 *	80
100	60	90	60.1	145.3	11,800 *	11,800 *	63.5	143.9	9,000 *	9,000 *	66.6	141.2	6,900 *	6,900 *	90
100	60	100	55.8	138.5	10,500 *	10,500 *	59.2	137.1	8,200 *	8,200 *	62.2	134.2	6,400 *	6,400 *	100
100	60	110	51.3	130.6	9,500 *	9,500 *	54.6	129.1	7,600 *	7,600 *	57.6	126.1	6,000 *	6,000 *	110
100	60	120	46.5	121.3	8,600 *	8,600 *	49.7	119.7	7,000 *	7,000 *	52.5	116.4	5,600 *	5,600 *	120
100	60	130	41.2	110.2	7,900 *	7,900 *	44.4	108.4	6,600 *	6,600 *	47.0	104.7	5,300 *	5,300 *	130
100	60	140	35.2	96.6	7,300 *	7,300 *	38.3	94.5	6,200 *	6,200 *					140
100	60	150	28.1	79.1	6,800 *	6,800 *									150



LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctw

Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)	
			5 Degrees				15 Degrees				25 Degrees					
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)		Over End Capacity (lbs)
100	75	41.76	80.0	180.6	19,700 *	19,700 *										41.76
100	75	50	77.3	178.6	17,500 *	17,500 *										50
100	75	60	73.9	175.7	14,500 *	14,500 *	78.0	174.3	10,100 *	10,100 *						60
100	75	70	70.4	172.0	12,300 *	12,300 *	74.5	170.6	8,800 *	8,800 *	78.4	167.8	6,400 *	6,400 *		70
100	75	80	66.9	167.7	10,700 *	10,700 *	70.9	166.2	7,900 *	7,900 *	74.7	163.3	5,700 *	5,700 *		80
100	75	90	63.3	162.6	9,400 *	9,400 *	67.3	161.1	7,100 *	7,100 *	71.0	158.1	5,300 *	5,300 *		90
100	75	100	59.5	156.7	8,400 *	8,400 *	63.5	155.1	6,400 *	6,400 *	67.1	152.0	4,800 *	4,800 *		100
100	75	110	55.6	149.8	7,500 *	7,500 *	59.5	148.1	5,900 *	5,900 *	63.0	144.8	4,500 *	4,500 *		110
100	75	120	51.4	141.8	6,800 *	6,800 *	55.3	140.0	5,400 *	5,400 *	58.7	136.5	4,200 *	4,200 *		120
100	75	130	47.0	132.5	6,200 *	6,200 *	50.8	130.6	5,000 *	5,000 *	54.1	126.9	3,900 *	3,900 *		130
100	75	140	42.2	121.6	5,700 *	5,700 *	46.0	119.5	4,700 *	4,700 *	49.1	115.4	3,700 *	3,700 *		140
100	75	150	36.9	108.5	5,300 *	5,300 *	40.5	106.2	4,400 *	4,400 *						150
100	75	160	30.8	92.4	5,000 *	5,000 *										160
110	30	31.85	80.0	147.0	24,000 *	24,000 *										31.85
110	30	35	78.7	146.3	24,000 *	24,000 *										35
110	30	40	76.6	145.1	24,000 *	24,000 *	78.6	144.4	24,000 *	24,000 *						40
110	30	50	72.4	142.2	24,000 *	24,000 *	74.4	141.4	24,000 *	24,000 *	76.3	139.9	19,200 *	19,200 *		50
110	30	60	68.1	138.4	24,000 *	24,000 *	70.1	137.6	23,100 *	23,100 *	71.9	136.1	17,700 *	17,700 *		60
110	30	70	63.7	133.7	23,800 *	21,100	65.6	132.9	22,000 *	21,400	67.3	131.3	16,400 *	16,400 *		70
110	30	80	59.0	128.0	20,600	17,500	60.9	127.1	19,900 *	17,800	62.6	125.4	15,300 *	15,300 *		80
110	30	90	54.1	121.1	17,400	14,800	56.0	120.2	17,600	15,000	57.6	118.4	14,400 *	14,400 *		90
110	30	100	48.9	112.9	14,900	12,600	50.7	111.9	15,100	12,800	52.2	109.9	13,700 *	12,900		100
110	30	110	43.2	102.9	12,900	10,900	45.0	101.8	13,100	11,000	46.4	99.6	13,100 *	11,100		110
110	30	120	36.8	90.5	11,300	9,400	38.5	89.2	11,400	9,500						120
110	30	130	29.2	74.4	9,900	8,200										130
110	45	35.73	80.0	161.5	24,000 *	24,000 *										35.73
110	45	40	78.4	160.6	24,000 *	24,000 *										40
110	45	50	74.6	157.9	24,000 *	24,000 *	77.4	156.9	20,200 *	20,200 *						50
110	45	60	70.8	154.5	22,500 *	22,500 *	73.5	153.5	17,500 *	17,500 *	76.0	151.4	12,500 *	12,500 *		60
110	45	70	66.8	150.3	19,700 *	19,700 *	69.5	149.3	15,500 *	15,500 *	72.0	147.1	11,400 *	11,400 *		70
110	45	80	62.8	145.3	17,500 *	17,500 *	65.4	144.2	13,900 *	13,900 *	67.8	142.0	10,500 *	10,500 *		80
110	45	90	58.5	139.4	15,700 *	15,000	61.1	138.2	12,600 *	12,600 *	63.5	135.9	9,700 *	9,700 *		90
110	45	100	54.0	132.3	14,200 *	12,800	56.6	131.1	11,600 *	11,600 *	58.9	128.6	9,100 *	9,100 *		100
110	45	110	49.3	124.0	13,000 *	11,100	51.8	122.7	10,700 *	10,700 *	54.0	120.0	8,500 *	8,500 *		110
110	45	120	44.2	114.1	11,500	9,700	46.6	112.7	10,000 *	9,800	48.6	109.8	8,100 *	8,100 *		120
110	45	130	38.5	102.1	11,100	8,500	40.8	100.5	9,400 *	8,600						130
110	45	140	31.9	87.2	9,000	7,400										140
110	60	39.61	80.0	176.0	24,000 *	24,000 *										39.61
110	60	40	79.9	175.9	24,000 *	24,000 *										40
110	60	50	76.4	173.5	21,700 *	21,700 *	79.8	172.2	15,000 *	15,000 *						50
110	60	60	73.0	170.4	18,700 *	18,700 *	76.3	169.2	13,100 *	13,100 *	79.5	166.6	9,200 *	9,200 *		60
110	60	70	69.4	166.7	16,200 *	16,200 *	72.7	165.4	11,500 *	11,500 *	75.8	162.8	8,400 *	8,400 *		70
110	60	80	65.8	162.2	14,100 *	14,100 *	69.0	160.8	10,300 *	10,300 *	72.1	158.2	7,600 *	7,600 *		80
110	60	90	62.0	156.9	12,400 *	12,400 *	65.2	155.5	9,400 *	9,400 *	68.2	152.8	7,100 *	7,100 *		90
110	60	100	58.1	150.7	11,100 *	11,100 *	61.3	149.3	8,600 *	8,600 *	64.2	146.4	6,600 *	6,600 *		100
110	60	110	54.0	143.5	10,000 *	10,000 *	57.1	142.0	7,900 *	7,900 *	59.9	139.0	6,100 *	6,100 *		110
110	60	120	49.6	135.1	9,100 *	9,100 *	52.7	133.5	7,300 *	7,300 *	55.4	130.3	5,800 *	5,800 *		120
110	60	130	45.0	125.3	8,400 *	8,400 *	48.0	123.6	6,800 *	6,800 *	50.6	120.1	5,500 *	5,500 *		130
110	60	140	39.9	113.7	7,800 *	7,600	42.8	111.8	6,400 *	6,400 *	45.2	107.8	5,300 *	5,300 *		140
110	60	150	34.1	99.5	7,200 *	6,700	36.9	97.3	6,100 *	6,100 *						150

LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctw

Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib 360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib 360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib 360° Jib Capacity (lbs)	
110	60	160	27.2	81.4	6,800 *	5,900									160
110	75	43.5	80.0	190.5	19,500 *	19,500 *									43.5
110	75	50	78.0	189.0	18,200 *	18,200 *									50
110	75	60	74.8	186.2	15,200 *	15,200 *									60
110	75	70	71.5	182.7	12,900 *	12,900 *	78.6	184.7	10,300 *	10,300 *					70
110	75	80	68.2	178.7	11,200 *	11,200 *	72.0	177.2	8,100 *	8,100 *	79.0	178.4	6,500 *	6,500 *	80
110	75	90	64.8	173.9	9,900 *	9,900 *	68.6	172.4	7,300 *	7,300 *	75.6	174.2	5,900 *	5,900 *	90
110	75	100	61.3	168.4	8,800 *	8,800 *	65.1	166.8	6,700 *	6,700 *	72.2	169.3	5,400 *	5,400 *	100
110	75	110	57.7	162.0	7,900 *	7,900 *	61.4	160.4	6,100 *	6,100 *	68.5	163.6	5,000 *	5,000 *	110
110	75	120	53.9	154.7	7,200 *	7,200 *	57.6	153.0	5,600 *	5,600 *	64.8	157.0	4,600 *	4,600 *	120
110	75	130	49.9	146.3	6,600 *	6,600 *	53.5	144.4	5,200 *	5,200 *	60.9	149.5	4,300 *	4,300 *	130
110	75	140	45.6	136.6	6,100 *	6,100 *	49.2	134.6	4,900 *	4,900 *	56.7	140.7	4,000 *	4,000 *	140
110	75	150	41.0	125.2	5,600 *	5,600 *	44.5	123.0	4,600 *	4,600 *	52.2	130.6	3,800 *	3,800 *	150
110	75	160	35.8	111.6	5,200 *	5,200 *	39.2	109.1	4,300 *	4,300 *	47.4	118.6	3,600 *		160
110	75	170	29.9	94.9	4,900 *	4,900 *									170
120	30	33.59	80.0	156.8	24,000 *	24,000 *									33.59
120	30	35	79.5	156.6	24,000 *	24,000 *									35
120	30	40	77.5	155.4	24,000 *	24,000 *	79.4	154.7	24,000 *	24,000 *					40
120	30	50	73.6	152.7	24,000 *	24,000 *	75.5	151.9	24,000 *	24,000 *	77.2	150.4	19,600 *	19,600 *	50
120	30	60	69.6	149.2	24,000 *	24,000 *	71.5	148.4	23,500 *	23,500 *	73.2	146.8	18,100 *	18,100 *	60
120	30	70	65.5	144.9	24,000 *	20,900	67.3	144.0	22,100 *	21,200	69.0	142.4	16,800 *	16,800 *	70
120	30	80	61.3	139.6	20,400	17,300	63.1	138.8	20,000 *	17,600	64.7	137.1	15,700 *	15,700 *	80
120	30	90	56.8	133.4	17,200	14,500	58.6	132.5	17,400	14,800	60.1	130.8	14,800 *	14,800 *	90
120	30	100	52.2	126.0	14,700	12,400	53.9	125.1	14,900	12,600	55.3	123.2	14,100 *	12,700	100
120	30	110	47.1	117.2	12,700	10,600	48.8	116.2	12,900	10,800	50.2	114.2	13,000	10,900	110
120	30	120	41.7	106.6	11,100	9,200	43.3	105.5	11,200	9,300					120
120	30	130	35.5	93.6	9,700	8,000	37.0	92.3	9,800	8,100					130
120	30	140	28.1	76.9	8,500	7,000									140
120	45	37.47	80.0	171.3	24,000 *	24,000 *									37.47
120	45	40	79.1	170.8	24,000 *	24,000 *									40
120	45	50	75.6	168.3	24,000 *	24,000 *	78.2	167.3	20,800 *	20,800 *					50
120	45	60	72.0	165.1	22,500 *	22,500 *	74.5	164.1	18,200 *	18,200 *	76.9	162.0	12,800 *	12,800 *	60
120	45	70	68.3	161.3	20,000 *	20,000 *	70.8	160.2	16,100 *	16,100 *	73.2	158.0	11,700 *	11,700 *	70
120	45	80	64.5	156.6	17,700 *	17,500	67.0	155.5	14,500 *	14,500 *	69.3	153.3	10,700 *	10,700 *	80
120	45	90	60.6	151.1	15,900 *	14,800	63.1	150.0	13,100 *	13,100 *	65.3	147.6	10,000 *	10,000 *	90
120	45	100	56.5	144.7	14,400 *	12,600	59.0	143.5	12,100 *	12,100 *	61.1	141.0	9,300 *	9,300 *	100
120	45	110	52.2	137.2	12,900	10,800	54.6	135.9	11,200 *	11,100 *	56.7	133.3	8,800 *	8,800 *	110
120	45	120	47.7	128.3	11,300	9,400	50.0	127.0	10,400 *	9,600	52.0	124.2	8,400 *	8,400 *	120
120	45	130	42.7	117.9	9,900	8,200	45.0	116.4	9,800 *	8,400	46.8	113.4	8,000 *	8,000 *	130
120	45	140	37.2	105.4	8,800	7,200	39.4	103.7	8,900	7,300					140
120	45	150	30.9	89.9	7,800	6,300									150
120	60	41.35	80.0	185.8	23,900 *	23,900 *									41.35
120	60	50	77.2	183.8	21,900 *	21,900 *									50
120	60	60	73.9	180.9	18,800 *	18,800 *	77.1	179.6	13,400 *	13,400 *					60
120	60	70	70.6	177.4	16,500 *	16,500 *	73.7	176.1	11,900 *	11,900 *	76.7	173.5	8,500 *	8,500 *	70
120	60	80	67.2	173.2	14,700 *	14,700 *	70.3	171.9	10,700 *	10,700 *	73.2	169.2	7,800 *	7,800 *	80
120	60	90	63.7	168.3	13,100 *	13,100 *	66.7	166.9	9,700 *	9,700 *	69.6	164.1	7,200 *	7,200 *	90
120	60	100	60.0	162.6	11,700 *	11,700 *	63.1	161.1	8,900 *	8,900 *	65.8	158.3	6,700 *	6,700 *	100
120	60	110	56.3	156.0	10,600 *	10,600 *	59.3	154.5	8,200 *	8,200 *	62.0	151.4	6,300 *	6,300 *	110



LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctw

Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lbs)	360° Jib Capacity (lbs)	
120	60	120	52.3	148.3	9,600 *	9,600	55.3	146.7	7,600 *	7,600 *	57.9	143.6	6,000 *	6,000 *	120
120	60	130	48.1	139.5	8,900 *	8,400	51.0	137.8	7,100 *	7,100 *	53.5	134.4	5,600 *	5,600 *	130
120	60	140	43.6	129.2	8,200 *	7,300	46.5	127.4	6,700 *	6,700 *	48.8	123.7	5,400 *	5,400 *	140
120	60	150	38.7	117.1	7,600 *	6,500	41.4	115.0	6,300 *	6,300 *					150
120	60	160	33.1	102.4	7,000	5,700	35.7	100.0	6,000 *	5,800					160
120	60	170	26.4	83.6	6,300	5,000									170
120	75	45.23	80.0	200.3	19,300 *	19,300 *									45.23
120	75	50	78.6	199.2	18,500 *	18,500 *									50
120	75	60	75.6	196.6	15,800 *	15,800 *	79.2	195.1	10,500 *	10,500 *					60
120	75	70	72.5	193.4	13,500 *	13,500 *	76.2	191.9	9,300 *	9,300 *	79.6	188.9	6,600 *	6,600 *	70
120	75	80	69.4	189.5	11,700 *	11,700 *	73.0	188.0	8,400 *	8,400 *	76.4	185.0	6,000 *	6,000 *	80
120	75	90	66.2	185.1	10,400 *	10,400 *	69.8	183.5	7,600 *	7,600 *	73.2	180.4	5,500 *	5,500 *	90
120	75	100	62.9	179.9	9,300 *	9,300 *	66.5	178.3	6,900 *	6,900 *	69.8	175.1	5,100 *	5,100 *	100
120	75	110	59.6	174.0	8,300 *	8,300 *	63.1	172.3	6,300 *	6,300 *	66.3	169.0	4,700 *	4,700 *	110
120	75	120	56.1	167.2	7,600 *	7,600 *	59.5	165.5	5,800 *	5,800 *	62.7	162.0	4,400 *	4,400 *	120
120	75	130	52.4	159.5	6,900 *	6,900 *	55.8	157.7	5,400 *	5,400 *	58.9	154.0	4,200 *	4,200 *	130
120	75	140	48.5	150.7	6,400 *	6,400 *	51.9	148.7	5,100 *	5,100 *	54.9	144.8	3,900 *	3,900 *	140
120	75	150	44.4	140.5	5,900 *	5,900 *	47.7	138.4	4,800 *	4,800 *	50.5	134.1	3,700 *	3,700 *	150
120	75	160	39.8	128.7	5,500 *	5,500 *	43.1	126.3	4,500 *	4,500 *	45.8	121.7	3,600 *	3,600 *	160
120	75	170	34.8	114.6	5,200 *	5,100	38.0	112.0	4,300 *	4,300 *					170
120	75	180	29.0	97.3	4,900 *	4,500									180
130	30	35.32	80.0	166.7	24,000 *	24,000 *									35.32
130	30	40	78.3	165.7	24,000 *	24,000 *									40
130	30	50	74.7	163.1	24,000 *	24,000 *	76.4	162.4	24,000 *	24,000 *	78.1	160.8	19,900 *	19,900 *	50
130	30	60	70.9	159.9	24,000 *	24,000 *	72.7	159.1	23,500 *	23,500 *	74.3	157.5	18,400 *	18,400 *	60
130	30	70	67.1	155.8	24,000 *	20,700	68.9	155.0	22,200 *	21,000	70.4	153.4	17,200 *	17,200 *	70
130	30	80	63.2	151.0	20,100	17,100	64.9	150.2	20,100 *	17,300	66.4	148.5	16,100 *	16,100 *	80
130	30	90	59.1	145.3	17,000	14,300	60.8	144.4	17,200	14,500	62.3	142.7	15,200 *	14,800	90
130	30	100	54.9	138.6	14,500	12,100	56.5	137.7	14,700	12,400	57.9	135.8	14,400 *	12,500	100
130	30	110	50.4	130.7	12,500	10,400	52.0	129.7	12,700	10,600	53.3	127.8	12,800	10,700	110
130	30	120	45.6	121.4	10,800	9,000	47.1	120.3	11,000	9,100	48.4	118.2	11,100	9,200	120
130	30	130	40.3	110.3	9,500	7,800	41.8	109.1	9,600	7,900					130
130	30	140	34.3	96.7	8,300	6,800	35.7	95.3	8,400	6,900					140
130	30	150	27.2	79.2	7,300	5,900									150
130	45	39.2	80.0	181.2	24,000 *	24,000 *									39.2
130	45	40	79.7	181.0	24,000 *	24,000 *									40
130	45	50	76.4	178.7	24,000 *	24,000 *	78.8	177.6	21,400 *	21,400 *					50
130	45	60	73.0	175.7	22,500 *	22,500 *	75.5	174.6	18,700 *	18,700 *	77.7	172.5	13,000 *	13,000 *	60
130	45	70	69.6	172.1	20,200 *	20,200 *	72.0	171.0	16,700 *	16,700 *	74.2	168.8	11,900 *	11,900 *	70
130	45	80	66.1	167.7	17,900 *	17,300	68.4	166.6	15,000 *	15,000 *	70.6	164.4	11,000 *	11,000 *	80
130	45	90	62.4	162.6	16,100 *	14,500	64.8	161.5	13,700 *	13,700 *	66.9	159.2	10,200 *	10,200 *	90
130	45	100	58.7	156.7	14,600 *	12,400	61.0	155.5	12,600 *	12,600 *	63.0	153.1	9,600 *	9,600 *	100
130	45	110	54.7	149.8	12,700	10,600	57.0	148.5	11,600 *	10,900	59.0	146.0	9,000 *	9,000 *	110
130	45	120	50.6	141.8	11,000	9,200	52.8	140.5	10,800 *	9,400	54.7	137.8	8,600 *	8,600 *	120
130	45	130	46.2	132.5	9,700	8,000	48.4	131.1	9,900	8,200	50.2	128.2	8,200 *	8,200 *	130
130	45	140	41.4	121.6	8,500	7,000	43.5	120.1	8,700	7,100	45.2	116.9	7,900 *	7,200	140
130	45	150	36.1	108.6	7,500	6,100	38.1	106.8	7,600	6,200					150
130	45	160	29.9	92.4	6,700	5,300									160
130	60	43.09	80.0	195.7	23,200 *	23,200 *									43.09



LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctwrt

Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib 360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib 360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib 360° Jib Capacity (lbs)	
130	60	50	77.9	194.1	22,000 *	22,000 *									50
130	60	60	74.8	191.4	19,000 *	19,000 *	77.8	190.1	13,800 *	13,800 *					60
130	60	70	71.7	188.1	16,600 *	16,600 *	74.6	186.7	12,300 *	12,300 *	77.4	184.1	8,700 *	8,700 *	70
130	60	80	68.4	184.1	14,800 *	14,800 *	71.4	182.8	11,000 *	11,000 *	74.1	180.1	8,000 *	8,000 *	80
130	60	90	65.2	179.5	13,300 *	13,300 *	68.1	178.1	10,000 *	10,000 *	70.8	175.3	7,400 *	7,400 *	90
130	60	100	61.8	174.2	12,000 *	12,000 *	64.7	172.7	9,200 *	9,200 *	67.3	169.9	6,900 *	6,900 *	100
130	60	110	58.3	168.1	11,000 *	10,800	61.1	166.6	8,500 *	8,500 *	63.7	163.6	6,500 *	6,500 *	110
130	60	120	54.6	161.0	10,100 *	9,300	57.5	159.5	7,900 *	7,900 *	59.9	156.3	6,100 *	6,100 *	120
130	60	130	50.8	153.0	9,300 *	8,100	53.6	151.3	7,400 *	7,400 *	56.0	148.0	5,800 *	5,800 *	130
130	60	140	46.7	143.7	8,600 *	7,100	49.5	141.9	6,900 *	6,900 *	51.8	138.4	5,500 *	5,500 *	140
130	60	150	42.4	133.0	7,700	6,200	45.0	131.1	6,600 *	6,400	47.2	127.2	5,300 *	5,300 *	150
130	60	160	37.6	120.4	6,800	5,500	40.1	118.2	6,200 *	5,600					160
130	60	170	32.1	105.1	6,000	4,800									170
130	60	180	25.6	85.8	5,400	4,200									180
130	75	46.97	80.0	210.2	19,100 *	19,100 *									46.97
130	75	50	79.1	209.5	18,600 *	18,600 *									50
130	75	60	76.3	207.0	16,100 *	16,100 *	79.8	205.5	10,800 *	10,800 *					60
130	75	70	73.4	203.9	14,100 *	14,100 *	76.9	202.4	9,600 *	9,600 *					70
130	75	80	70.5	200.3	12,300 *	12,300 *	73.9	198.8	8,600 *	8,600 *	77.2	195.6	6,100 *	6,100 *	80
130	75	90	67.4	196.1	10,800 *	10,800 *	70.9	194.5	7,800 *	7,800 *	74.1	191.3	5,600 *	5,600 *	90
130	75	100	64.4	191.2	9,700 *	9,700 *	67.8	189.6	7,100 *	7,100 *	70.9	186.3	5,200 *	5,200 *	100
130	75	110	61.2	185.7	8,700 *	8,700 *	64.6	184.0	6,500 *	6,500 *	67.7	180.6	4,800 *	4,800 *	110
130	75	120	57.9	179.4	8,000 *	8,000 *	61.3	177.6	6,000 *	6,000 *	64.3	174.1	4,500 *	4,500 *	120
130	75	130	54.5	172.2	7,300 *	7,300 *	57.8	170.4	5,600 *	5,600 *	60.8	166.7	4,300 *	4,300 *	130
130	75	140	51.0	164.1	6,700 *	6,700 *	54.2	162.2	5,300 *	5,300 *	57.1	158.3	4,000 *	4,000 *	140
130	75	150	47.2	154.9	6,200 *	6,200 *	50.4	152.8	4,900 *	4,900 *	53.2	148.7	3,800 *	3,800 *	150
130	75	160	43.2	144.3	5,800 *	5,500	46.3	142.1	4,700 *	4,700 *	48.9	137.6	3,700 *	3,700 *	160
130	75	170	38.8	132.0	5,400 *	4,900	41.9	129.6	4,400 *	4,400 *					170
130	75	180	33.9	117.5	5,100 *	4,300	36.9	114.7	4,200 *	4,200 *					180
130	75	190	28.3	99.7	4,800 *	3,800									190
140	30	37.06	80.0	176.5	24,000 *	24,000 *									37.06
140	30	40	79.0	175.9	24,000 *	24,000 *									40
140	30	50	75.6	173.5	24,000 *	24,000 *	77.2	172.7	24,000 *	24,000 *	78.8	171.2	20,200 *	20,200 *	50
140	30	60	72.1	170.5	24,000 *	24,000 *	73.7	169.7	23,500 *	23,500 *	75.2	168.1	18,800 *	18,800 *	60
140	30	70	68.5	166.7	23,900	20,500	70.2	165.9	22,300 *	20,800	71.6	164.3	17,500 *	17,500 *	70
140	30	80	64.9	162.2	19,900	16,800	66.5	161.4	20,200 *	17,100	67.9	159.7	16,500 *	16,500 *	80
140	30	90	61.1	156.9	16,700 *	14,100	62.7	156.1	17,000	14,300	64.1	154.4	15,600 *	14,600	90
140	30	100	57.2	150.8	14,200	11,900	58.8	149.9	14,500	12,100	60.1	148.1	14,700	12,300	100
140	30	110	53.1	143.6	12,300	10,200	54.6	142.6	12,400	10,400	55.9	140.7	12,600	10,500	110
140	30	120	48.8	135.2	10,600	8,700	50.3	134.2	10,800	8,900	51.5	132.2	10,900	9,000	120
140	30	130	44.1	125.4	9,200	7,500	45.6	124.3	9,400	7,700	46.7	122.1	9,500	7,800	130
140	30	140	39.0	113.8	8,100	6,500	40.4	112.6	8,200	6,600					140
140	30	150	33.2	99.6	7,100	5,700									150
140	30	160	26.4	81.5	6,200	4,900									160
140	45	40.94	80.0	191.0	24,000 *	24,000 *									40.94
140	45	50	77.2	189.0	24,000 *	24,000 *	79.5	187.9	21,500 *	21,500 *					50
140	45	60	74.0	186.2	22,500 *	22,500 *	76.3	185.1	19,100 *	19,100 *	78.4	182.9	13,300 *	13,300 *	60
140	45	70	70.7	182.8	20,300 *	20,300 *	73.0	181.7	17,100 *	17,100 *	75.1	179.5	12,200 *	12,200 *	70
140	45	80	67.4	178.7	18,100 *	17,100	69.7	177.6	15,500 *	15,500 *	71.7	175.3	11,300 *	11,300 *	80
140	45	90	64.0	174.0	16,200 *	14,300	66.3	172.8	14,200 *	14,200 *	68.3	170.5	10,500 *	10,500 *	90

LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctw

Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	
140	45	100	60.5	168.4	14,500	12,100	62.7	167.2	13,000 *	12,500	64.7	164.8	9,800 *	9,800 *	100
140	45	110	56.9	162.1	12,500 *	10,400	59.1	160.8	12,100 *	10,700	61.0	158.3	9,300 *	9,300 *	110
140	45	120	53.1	154.8	10,800	8,900	55.3	153.4	11,100	9,200	57.1	150.8	8,800 *	8,800 *	120
140	45	130	49.1	146.3	9,400	7,700	51.2	144.9	9,700	7,900	53.0	142.1	8,400 *	8,100	130
140	45	140	44.8	136.6	8,300	6,700	46.9	135.1	8,500	6,900	48.6	132.1	8,100 *	7,000	140
140	45	150	40.2	125.2	7,300	5,800	42.2	123.6	7,400	6,000					150
140	45	160	35.0	111.7	6,400	5,100	37.0	109.8	6,500	5,200					160
140	45	170	29.1	95.0	5,700	4,400									170
140	60	44.82	80.0	205.5	22,600 *	22,600 *									44.82
140	60	50	78.5	204.4	22,100 *	22,100 *									50
140	60	60	75.6	201.8	19,100 *	19,100 *	78.4	200.5	14,100 *	14,100 *					60
140	60	70	72.6	198.7	16,800 *	16,800 *	75.4	197.3	12,600 *	12,600 *	78.1	194.6	8,800 *	8,800 *	70
140	60	80	69.6	195.0	14,900 *	14,900 *	72.4	193.6	11,400 *	11,400 *	75.0	190.8	8,100 *	8,100 *	80
140	60	90	66.5	190.6	13,400 *	13,400 *	69.3	189.2	10,400 *	10,400 *	71.8	186.4	7,600 *	7,600 *	90
140	60	100	63.3	185.6	12,100 *	12,100 *	66.1	184.2	9,500 *	9,500 *	68.6	181.3	7,100 *	7,100 *	100
140	60	110	60.0	179.9	11,100 *	10,500	62.8	178.4	8,800 *	8,800 *	65.2	175.4	6,600 *	6,600 *	110
140	60	120	56.7	173.4	10,200 *	9,100	59.4	171.8	8,200 *	8,200 *	61.7	168.7	6,300 *	6,300 *	120
140	60	130	53.1	165.9	9,400 *	7,900	55.8	164.3	7,600 *	7,600 *	58.1	161.0	5,900 *	5,900 *	130
140	60	140	49.4	157.5	8,400	6,900	52.0	155.8	7,200 *	7,100	54.3	152.3	5,700 *	5,700 *	140
140	60	150	45.5	147.8	7,400	6,000	48.0	146.0	6,800 *	6,800	50.2	142.2	5,400 *	5,400 *	150
140	60	160	41.2	136.7	6,600	5,200	43.7	134.6	6,400 *	5,400 *	45.7	130.6	5,200 *	5,200 *	160
140	60	170	36.5	123.6	5,800	4,500	39.0	121.3	5,900						170
140	60	180	31.3	107.8	5,100	3,900									180
140	75	48.71	80.0	220.0	18,800 *	18,800 *									48.71
140	75	50	79.7	219.7	18,600 *	18,600 *									50
140	75	60	76.9	217.3	16,200 *	16,200 *									60
140	75	70	74.2	214.4	14,200 *	14,200 *	77.5	212.9	9,800 *	9,800 *					70
140	75	80	71.4	211.0	12,700 *	12,700 *	74.7	209.4	8,800 *	8,800 *	77.8	206.2	6,200 *	6,200 *	80
140	75	90	68.6	207.0	11,300 *	11,300 *	71.8	205.4	8,000 *	8,000 *	74.9	202.2	5,700 *	5,700 *	90
140	75	100	65.7	202.4	10,100 *	10,100 *	68.9	200.8	7,300 *	7,300 *	71.9	197.5	5,300 *	5,300 *	100
140	75	110	62.7	197.2	9,100 *	9,100 *	65.9	195.5	6,700 *	6,700 *	68.9	192.1	4,900 *	4,900 *	110
140	75	120	59.6	191.3	8,300 *	8,300 *	62.8	189.5	6,200 *	6,200 *	65.7	186.0	4,600 *	4,600 *	120
140	75	130	56.4	184.6	7,600 *	7,600 *	59.6	182.8	5,800 *	5,800 *	62.4	179.1	4,400 *	4,400 *	130
140	75	140	53.1	177.1	7,000 *	6,900	56.3	175.2	5,400 *	5,400 *	59.0	171.4	4,100 *	4,100 *	140
140	75	150	49.7	168.6	6,500 *	6,100	52.7	166.6	5,100 *	5,100 *	55.4	162.6	3,900 *	3,900 *	150
140	75	160	46.0	159.0	6,100 *	5,300	49.0	156.9	4,800 *	4,800 *	51.6	152.5	3,800 *	3,800 *	160
140	75	170	42.1	148.0	5,700 *	4,600	45.1	145.7	4,600 *	4,600 *	47.5	141.0	3,600 *	3,600 *	170
140	75	180	37.8	135.3	5,200 *	4,000	40.7	132.8	4,400 *	4,200					180
140	75	190	33.1	120.3	4,600	3,500	35.8	117.4	4,200 *	3,700					190
140	75	200	27.5	102.0	4,100	3,000									200
150	30	38.8	80.0	186.4	24,000 *	24,000 *									38.8
150	30	40	79.6	186.1	24,000 *	24,000 *									40
150	30	50	76.4	183.9	24,000 *	24,000 *	78.0	183.1	24,000 *	24,000 *	79.4	181.5	20,500 *	20,500 *	50
150	30	60	73.1	181.0	24,000 *	24,000 *	74.7	180.2	23,500 *	23,500 *	76.1	178.6	19,100 *	19,100 *	60
150	30	70	69.8	177.5	23,700	20,200	71.3	176.7	22,300 *	20,600	72.7	175.0	17,800 *	17,800 *	70
150	30	80	66.4	173.3	19,700	16,600	67.9	172.4	20,000	16,900	69.3	170.8	16,800 *	16,800 *	80
150	30	90	62.9	168.4	16,500	13,800	64.4	167.5	16,800	14,100	65.7	165.8	15,900 *	14,400	90
150	30	100	59.2	162.6	14,000	11,700	60.7	161.7	14,300	11,900	62.0	160.0	14,500	12,100	100
150	30	110	55.5	156.0	12,000	9,900	56.9	155.1	12,200	10,100	58.2	153.2	12,400	10,300	110
150	30	120	51.5	148.4	10,400	8,500	52.9	147.4	10,600	8,700	54.1	145.5	10,700	8,800	120



LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctwrt															
Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.															
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	360° Jib Capacity (lbs)	
150	30	130	47.3	139.6	9,000	7,300	48.7	138.5	9,200	7,500	49.8	136.4	9,300	7,600	130
150	30	140	42.8	129.3	7,900	6,300	44.2	128.2	8,000	6,400	45.2	125.9	8,100	6,500	140
150	30	150	37.9	117.2	6,900	5,400	39.2	115.9	7,000	5,500					150
150	30	160	32.3	102.5	6,000	4,700									160
150	30	170	25.6	83.8	5,200	4,000									170
150	45	42.68	80.0	200.9	24,000 *	24,000 *									42.68
150	45	50	77.8	199.3	24,000 *	24,000 *									50
150	45	60	74.8	196.6	22,500 *	22,500 *	77.0	195.5	19,100 *	19,100 *	79.0	193.4	13,500 *	13,500 *	60
150	45	70	71.8	193.4	20,500 *	20,500 *	73.9	192.3	17,100 *	17,100 *	75.9	190.1	12,400 *	12,400 *	70
150	45	80	68.6	189.6	18,200 *	16,800	70.8	188.4	15,500 *	15,500 *	72.7	186.2	11,500 *	11,500 *	80
150	45	90	65.5	185.1	16,400 *	14,100	67.6	184.0	14,200 *	14,200 *	69.5	181.6	10,700 *	10,700 *	90
150	45	100	62.2	180.0	14,200	11,900	64.3	178.8	13,100 *	12,200	66.2	176.4	10,100 *	10,100 *	100
150	45	110	58.8	174.0	12,200	10,100	60.9	172.8	12,100 *	10,400	62.7	170.3	9,500 *	9,500 *	110
150	45	120	55.3	167.3	10,600	8,700	57.3	166.0	10,900	9,000	59.1	163.4	9,000 *	9,000 *	120
150	45	130	51.6	159.5	9,200	7,500	53.6	158.2	9,400	7,700	55.3	155.4	8,600 *	7,900	130
150	45	140	47.8	150.7	8,000	6,500	49.7	149.3	8,200	6,700	51.4	146.4	8,300 *	6,800	140
150	45	150	43.6	140.6	7,000	5,600	45.5	139.0	7,200	5,800	47.1	135.8	7,400	5,900	150
150	45	160	39.1	128.7	6,200	4,800	41.0	127.0	6,300	5,000					160
150	45	170	34.1	114.7	5,400	4,200	35.9	112.7	5,500	4,300					170
150	45	180	28.3	97.4	4,800	3,600									180
150	60	46.56	80.0	215.4	22,400 *	22,400 *									46.56
150	60	50	79.1	214.6	22,100 *	22,100 *									50
150	60	60	76.3	212.2	19,200 *	19,200 *	79.0	210.8	14,400 *	14,400 *					60
150	60	70	73.5	209.2	16,900 *	16,900 *	76.1	207.8	12,900 *	12,900 *	78.7	205.1	9,000 *	9,000 *	70
150	60	80	70.6	205.7	15,000 *	15,000 *	73.3	204.3	11,700 *	11,700 *	75.8	201.5	8,300 *	8,300 *	80
150	60	90	67.7	201.6	13,500 *	13,500 *	70.3	200.2	10,700 *	10,700 *	72.8	197.3	7,700 *	7,700 *	90
150	60	100	64.7	196.9	12,200 *	12,000	67.3	195.4	9,800 *	9,800 *	69.7	192.5	7,200 *	7,200 *	100
150	60	110	61.6	191.5	11,200 *	10,300	64.2	190.0	9,100 *	9,100 *	66.6	187.0	6,800 *	6,800 *	110
150	60	120	58.4	185.4	10,300 *	8,800	61.0	183.8	8,400 *	8,400 *	63.3	180.7	6,400 *	6,400 *	120
150	60	130	55.2	178.5	9,400	7,600	57.7	176.9	7,900 *	7,900 *	60.0	173.6	6,100 *	6,100 *	130
150	60	140	51.7	170.7	8,200	6,600	54.3	169.0	7,400 *	6,900	56.4	165.6	5,800 *	5,800 *	140
150	60	150	48.1	161.9	7,200	5,700	50.6	160.1	7,000 *	6,000	52.7	156.4	5,600 *	5,600 *	150
150	60	160	44.3	151.8	6,300	5,000	46.7	149.9	6,500	5,200	48.7	146.0	5,300 *	5,300 *	160
150	60	170	40.2	140.2	5,600	4,300	42.5	138.1	5,700	4,500					170
150	60	180	35.6	126.7	4,900	3,700	37.9	124.3	5,000	3,800					180
150	60	190	30.5	110.4	4,300	3,200									190
150	75	50.44	80.0	229.8	18,500 *	18,500 *									50.44
150	75	60	77.5	227.7	16,200 *	16,200 *									60
150	75	70	74.9	224.9	14,300 *	14,300 *	78.1	223.3	10,000 *	10,000 *					70
150	75	80	72.3	221.6	12,700 *	12,700 *	75.4	220.0	9,000 *	9,000 *	78.4	216.8	6,300 *	6,300 *	80
150	75	90	69.6	217.9	11,400 *	11,400 *	72.7	216.2	8,200 *	8,200 *	75.6	212.9	5,800 *	5,800 *	90
150	75	100	66.8	213.5	10,400 *	10,400 *	69.9	211.8	7,500 *	7,500 *	72.8	208.5	5,400 *	5,400 *	100
150	75	110	64.0	208.6	9,400 *	9,400 *	67.1	206.9	6,900 *	6,900 *	69.9	203.4	5,000 *	5,000 *	110
150	75	120	61.1	203.0	8,700 *	8,700 *	64.2	201.2	6,400 *	6,400 *	66.9	197.7	4,700 *	4,700 *	120
150	75	130	58.1	196.8	8,000 *	7,700	61.2	194.9	6,000 *	6,000 *	63.9	191.3	4,500 *	4,500 *	130
150	75	140	55.0	189.7	7,300 *	6,700	58.0	187.8	5,600 *	5,600 *	60.7	184.0	4,200 *	4,200 *	140
150	75	150	51.8	181.9	6,800 *	5,800	54.8	179.9	5,300 *	5,300 *	57.4	175.9	4,000 *	4,000 *	150
150	75	160	48.5	173.0	6,300 *	5,100	51.4	170.9	5,000 *	5,000 *	53.9	166.7	3,800 *	3,800 *	160
150	75	170	44.9	163.0	5,600	4,400	47.8	160.8	4,700 *	4,600	50.2	156.3	3,700 *	3,700 *	170
150	75	180	41.1	151.6	5,000	3,800	43.9	149.2	4,500 *	4,000	46.2	144.3	3,600 *	3,600 *	180

LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cttw

Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	360° Jib Capacity (lbs)	
150	75	190	36.9	138.5	4,400	3,300	39.6	135.9	4,300 *	3,400					190
150	75	200	32.3	123.1	3,800	2,800									200
150	75	210	26.9	104.2	3,400	2,400									210
160	30	40.53	80.0	196.2	24,000 *	24,000 *									40.53
160	30	50	77.1	194.2	24,000 *	24,000 *	78.6	193.4	24,000 *	24,000 *					50
160	30	60	74.0	191.5	24,000 *	24,000 *	75.5	190.7	23,400 *	23,400 *	76.9	189.1	19,300 *	19,300 *	60
160	30	70	70.9	188.1	23,500	20,000	72.3	187.3	22,300 *	20,400	73.7	185.7	18,100 *	18,100 *	70
160	30	80	67.7	184.2	19,500	16,400	69.1	183.4	19,800	16,700	70.4	181.7	17,100 *	17,000 *	80
160	30	90	64.4	179.6	16,300	13,600	65.8	178.7	16,600	13,900	67.1	177.0	16,200 *	14,200	90
160	30	100	61.0	174.3	13,800	11,500	62.4	173.4	14,000	11,700	63.7	171.6	14,300	11,900	100
160	30	110	57.5	168.1	11,800	9,700	58.9	167.2	12,000	9,900	60.1	165.4	12,200	10,100	110
160	30	120	53.9	161.1	10,100	8,300	55.2	160.1	10,300	8,500	56.4	158.2	10,500	8,600	120
160	30	130	50.0	153.1	8,800	7,100	51.4	152.0	8,900	7,200	52.5	150.0	9,100	7,400	130
160	30	140	46.0	143.8	7,600	6,100	47.3	142.7	7,800	6,200	48.3	140.6	7,900	6,300	140
160	30	150	41.6	133.1	6,600	5,200	42.9	131.9	6,700	5,300					150
160	30	160	36.8	120.5	5,800	4,400	38.0	119.2	5,900	4,500					160
160	30	170	31.4	105.3	5,000	3,800									170
160	45	44.41	80.0	210.7	24,000 *	24,000 *									44.41
160	45	50	78.4	209.5	24,000 *	24,000 *									50
160	45	60	75.6	207.0	22,400 *	22,400 *	77.6	205.9	19,000 *	19,000 *	79.6	203.7	13,700 *	13,700 *	60
160	45	70	72.7	204.0	20,600 *	20,300	74.7	202.9	17,100 *	17,100 *	76.6	200.6	12,600 *	12,600 *	70
160	45	80	69.7	200.4	18,300 *	16,600	71.8	199.2	15,500 *	15,500 *	73.6	196.9	11,700 *	11,700 *	80
160	45	90	66.7	196.2	16,500 *	13,800	68.8	195.0	14,200 *	14,200 *	70.6	192.6	11,000 *	11,000 *	90
160	45	100	63.7	191.3	14,000	11,700	65.7	190.1	13,100 *	12,000	67.5	187.7	10,300 *	10,300 *	100
160	45	110	60.5	185.8	12,000	9,900	62.5	184.5	12,100 *	10,200	64.2	182.0	9,700 *	9,700 *	110
160	45	120	57.2	179.5	10,300	8,500	59.2	178.2	10,600	8,700	60.9	175.6	9,200 *	9,000	120
160	45	130	53.8	172.3	9,000	7,300	55.7	171.0	9,200	7,500	57.4	168.3	8,800 *	7,700	130
160	45	140	50.3	164.2	7,800	6,200	52.2	162.8	8,000	6,500	53.7	159.9	8,200	6,600	140
160	45	150	46.5	155.0	6,800	5,400 *	48.4	153.5	7,000	5,500	49.9	150.4	7,200	5,700	150
160	45	160	42.5	144.4	5,900	4,600	44.3	142.8	6,100	4,800	45.7	139.5	6,200	4,900	160
160	45	170	38.1	132.1	5,200	3,900	39.8	130.3	5,300	4,100					170
160	45	180	33.2	117.6	4,500	3,300									180
160	45	190	27.6	99.8	3,900	2,800									190
160	60	48.3	80.0	225.2	22,400 *	22,400 *									48.3
160	60	50	79.6	224.9	22,100 *	22,100 *									50
160	60	60	76.9	222.5	19,200 *	19,200 *	79.5	221.2	14,700 *	14,700 *					60
160	60	70	74.2	219.7	17,000 *	17,000 *	76.8	218.3	13,200 *	13,200 *	79.2	215.5	9,100 *	9,100 *	70
160	60	80	71.5	216.4	15,100 *	15,100 *	74.1	214.9	12,000 *	12,000 *	76.4	212.1	8,400 *	8,400 *	80
160	60	90	68.7	212.5	13,600 *	13,600 *	71.3	211.0	10,900 *	10,900 *	73.6	208.2	7,800 *	7,800 *	90
160	60	100	65.9	208.0	12,300 *	11,800	68.4	206.5	10,100 *	10,100 *	70.7	203.6	7,300 *	7,300 *	100
160	60	110	63.0	202.9	11,200 *	10,100	65.5	201.4	9,300 *	9,300 *	67.8	198.4	6,900 *	6,900 *	110
160	60	120	60.0	197.2	10,300 *	8,600	62.5	195.7	8,700 *	8,700 *	64.7	192.5	6,500 *	6,500 *	120
160	60	130	57.0	190.8	9,100	7,400	59.4	189.1	8,100 *	7,700	61.6	185.9	6,200 *	6,200 *	130
160	60	140	53.8	183.5	7,900	6,400	56.2	181.8	7,700 *	6,700	58.3	178.5	5,900 *	5,900 *	140
160	60	150	50.4	175.3	6,900	5,500	52.8	173.6	7,200	5,700	54.9	170.0	5,700 *	5,700 *	150
160	60	160	46.9	166.1	6,100	4,700	49.3	164.2	6,300	5,000	51.2	160.5	5,500 *	5,100	160
160	60	170	43.2	155.7	5,300	4,000	45.5	153.7	5,500	4,200	47.4	149.6	5,300 *	4,400	170
160	60	180	39.2	143.7	4,600	3,500	41.4	141.5	4,800	3,600					180
160	60	190	34.7	129.7	4,000	2,900	36.9	127.3	4,200	3,100					190
160	60	200	29.7	113.0	3,500	2,500									200



LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctwrt

Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom														Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees						
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	
160	75	52.18	80.0	239.7	18,000 *	18,000 *										52.18	
160	75	60	78.1	238.0	16,300 *	16,300 *										60	
160	75	70	75.6	235.3	14,400 *	14,400 *	78.6	233.7	10,200 *	10,200 *						70	
160	75	80	73.0	232.2	12,800 *	12,800 *	76.1	230.6	9,200 *	9,200 *	78.9	227.3	6,300 *	6,300 *		80	
160	75	90	70.5	228.6	11,500 *	11,500 *	73.5	226.9	8,400 *	8,400 *	76.3	223.6	5,900 *	5,900 *		90	
160	75	100	67.8	224.5	10,400 *	10,400 *	70.8	222.8	7,700 *	7,700 *	73.6	219.4	5,500 *	5,500 *		100	
160	75	110	65.2	219.8	9,500 *	9,500 *	68.1	218.1	7,100 *	7,100 *	70.9	214.6	5,100 *	5,100 *		110	
160	75	120	62.4	214.5	8,700 *	8,700 *	65.4	212.7	6,600 *	6,600 *	68.1	209.2	4,800 *	4,800 *		120	
160	75	130	59.6	208.6	8,000 *	7,500	62.6	206.8	6,200 *	6,200 *	65.2	203.1	4,600 *	4,600 *		130	
160	75	140	56.7	202.0	7,400 *	6,500	59.6	200.1	5,800 *	5,800 *	62.2	196.3	4,300 *	4,300 *		140	
160	75	150	53.7	194.7	6,900 *	5,600	56.6	192.7	5,400 *	5,400 *	59.1	188.8	4,100 *	4,100 *		150	
160	75	160	50.6	186.5	6,200	4,800	53.4	184.4	5,100 *	5,100	55.9	180.3	3,900 *	3,900 *		160	
160	75	170	47.3	177.3	5,400	4,100	50.1	175.1	4,900 *	4,400	52.5	170.7	3,800 *	3,800 *		170	
160	75	180	43.9	166.9	4,700	3,500	46.6	164.6	4,600 *	3,800	48.8	159.9	3,600 *	3,600 *		180	
160	75	190	40.1	155.2	4,100	3,000	42.8	152.7	4,300	3,200						190	
160	75	200	36.1	141.7	3,600	2,500	38.7	138.9	3,800	2,700						200	
160	75	210	31.5	125.8	3,100	2,100										210	
160	75	220	26.3	106.4	2,700											220	
170	30	42.27	80.0	206.1	24,000 *	24,000 *										42.27	
170	30	50	77.8	204.5	24,000 *	24,000 *	79.2	203.7	24,000 *	24,000 *						50	
170	30	60	74.8	201.9	24,000 *	24,000 *	76.2	201.1	23,300 *	23,300 *	77.5	199.5	19,600 *	19,600 *		60	
170	30	70	71.9	198.7	23,200	19,800	73.3	197.9	22,200 *	20,200	74.5	196.3	18,400 *	18,400 *		70	
170	30	80	68.8	195.0	19,300	16,200	70.2	194.2	19,600	16,500	71.5	192.5	17,400 *	16,900		80	
170	30	90	65.7	190.7	16,100	13,400	67.1	189.8	16,400	13,700	68.3	188.1	16,400 *	14,000		90	
170	30	100	62.6	185.7	13,600	11,200	63.9	184.8	13,800 *	11,500	65.1	183.1	14,100	11,700		100	
170	30	110	59.3	180.0	11,600	9,500	60.6	179.1	11,800	9,700	61.8	177.3	12,000	9,900		110	
170	30	120	55.9	173.4	9,900	8,000	57.2	172.5	10,100	8,200	58.4	170.6	10,300	8,400		120	
170	30	130	52.4	166.0	8,500	6,800	53.7	165.0	8,700	7,000	54.8	163.1	8,900	7,200		130	
170	30	140	48.7	157.6	7,400	5,800	50.0	156.5	7,500	6,000	51.0	154.4	7,700	6,100		140	
170	30	150	44.7	147.9	6,400	4,900	46.0	146.8	6,500	5,100	47.0	144.6	6,600	5,200		150	
170	30	160	40.5	136.8	5,500	4,200	41.7	135.5	5,600	4,300						160	
170	30	170	35.8	123.7	4,800	3,500	37.0	122.3	4,900	3,600						170	
170	30	180	30.5	108.0	4,100	2,900										180	
170	45	46.15	80.0	220.6	24,000 *	24,000 *										46.15	
170	45	50	79.0	219.8	24,000 *	24,000 *										50	
170	45	60	76.2	217.4	22,000 *	22,000 *	78.2	216.3	18,900 *	18,900 *						60	
170	45	70	73.5	214.5	20,600 *	20,000	75.5	213.4	17,100 *	17,100 *	77.3	211.1	12,800 *	12,800 *		70	
170	45	80	70.7	211.1	18,400 *	16,400	72.7	209.9	15,500 *	15,500 *	74.5	207.6	11,900 *	11,900 *		80	
170	45	90	67.9	207.1	16,300 *	13,600	69.8	205.9	14,200 *	14,100	71.6	203.6	11,200 *	11,200 *		90	
170	45	100	65.0	202.5	13,800	11,400	66.9	201.3	13,100 *	11,800	68.6	198.9	10,500 *	10,500 *		100	
170	45	110	62.0	197.3	11,800	9,700	63.9	196.0	12,100 *	10,000	65.6	193.6	9,900 *	9,900 *		110	
170	45	120	58.9	191.4	10,100	8,200	60.8	190.1	10,400	8,500	62.4	187.5	9,400 *	8,800		120	
170	45	130	55.8	184.7	8,700	7,000	57.6	183.4	9,000	7,300	59.2	180.7	9,000 *	7,500		130	
170	45	140	52.5	177.2	7,600	6,000	54.3	175.8	7,800	6,200	55.8	173.0	8,000	6,400		140	
170	45	150	49.0	168.7	6,600	5,100	50.8	167.2	6,800	5,300	52.3	164.3	6,900	5,500		150	
170	45	160	45.3	159.1	5,700	4,300	47.1	157.5	5,900	4,500	48.5	154.4	6,000	4,700		160	
170	45	170	41.4	148.1	4,900	3,700	43.1	146.4	5,100	3,800						170	
170	45	180	37.1	135.4	4,300	3,100	38.8	133.6	4,400	3,200						180	
170	45	190	32.4	120.4	3,700	2,600										190	
170	45	200	26.9	102.1	3,100	2,100										200	



LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cttw

Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom														Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees						
			Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lbs)	360° Jib Capacity (lbs)			
170	60	50.03	80.0	235.1	22,000 *	22,000 *										50.03	
170	60	60	77.5	232.8	19,200 *	19,200 *										60	
170	60	70	74.9	230.1	17,000 *	17,000 *	77.4	228.7	13,500 *	13,500 *	79.7	225.9	9,200 *	9,200 *		70	
170	60	80	72.3	227.0	15,200 *	15,200 *	74.8	225.5	12,300 *	12,300 *	77.1	222.7	8,500 *	8,500 *		80	
170	60	90	69.7	223.3	13,700 *	13,700 *	72.1	221.8	11,200 *	11,200 *	74.4	218.9	8,000 *	8,000 *		90	
170	60	100	67.0	219.0	12,400 *	11,600	69.4	217.5	10,300 *	10,300 *	71.7	214.6	7,500 *	7,500 *		100	
170	60	110	64.3	214.2	11,300 *	9,800	66.7	212.7	9,600 *	9,600 *	68.9	209.7	7,000 *	7,000 *		110	
170	60	120	61.5	208.8	10,300	8,400	63.8	207.3	9,000 *	8,800	66.0	204.2	6,700 *	6,700 *		120	
170	60	130	58.6	202.7	8,900	7,200	60.9	201.1	8,400 *	7,500	63.0	197.9	6,300 *	6,300 *		130	
170	60	140	55.6	196.0	7,700	6,100	57.9	194.3	7,900 *	6,400	60.0	191.0	6,000 *	6,000 *		140	
170	60	150	52.5	188.3	6,700	5,200	54.8	186.6	7,000	5,500	56.8	183.1	5,800 *	5,800 *		150	
170	60	160	49.3	179.8	5,800	4,500	51.5	178.0	6,100	4,700	53.4	174.4	5,600 *	4,900		160	
170	60	170	45.8	170.3	5,100	3,800	48.1	168.3	5,300	4,000	49.9	164.5	5,400 *	4,200		170	
170	60	180	42.2	159.4	4,400	3,200	44.4	157.4	4,600	3,400	46.1	153.2	4,700	3,600		180	
170	60	190	38.3	147.1	3,800	2,700	40.4	144.8	4,000	2,800						190	
170	60	200	33.9	132.7	3,300	2,200	36.0	130.2	3,400	2,300						200	
170	60	210	29.0	115.5	2,800											210	
170	75	53.92	80.0	249.5	17,600 *	17,600 *										53.92	
170	75	60	78.6	248.2	16,200 *	16,200 *										60	
170	75	70	76.2	245.7	14,400 *	14,400 *	79.1	244.1	10,400 *	10,400 *						70	
170	75	80	73.7	242.7	12,800 *	12,800 *	76.6	241.1	9,400 *	9,400 *	79.4	237.7	6,400 *	6,400 *		80	
170	75	90	71.3	239.3	11,600 *	11,600 *	74.2	237.6	8,600 *	8,600 *	76.9	234.2	6,000 *	6,000 *		90	
170	75	100	68.8	235.4	10,500 *	10,500 *	71.7	233.6	7,900 *	7,900 *	74.3	230.2	5,600 *	5,600 *		100	
170	75	110	66.3	230.9	9,500 *	9,500 *	69.1	229.1	7,300 *	7,300 *	71.7	225.6	5,200 *	5,200 *		110	
170	75	120	63.7	225.9	8,800 *	8,500	66.5	224.1	6,800 *	6,800 *	69.1	220.5	4,900 *	4,900 *		120	
170	75	130	61.0	220.3	8,100 *	7,300	63.8	218.5	6,300 *	6,300 *	66.3	214.8	4,600 *	4,600 *		130	
170	75	140	58.3	214.1	7,500 *	6,200	61.1	212.2	5,900 *	5,900 *	63.5	208.4	4,400 *	4,400 *		140	
170	75	150	55.5	207.2	6,800	5,300	58.2	205.2	5,600 *	5,600 *	60.6	201.3	4,200 *	4,200 *		150	
170	75	160	52.5	199.5	5,900	4,600	55.3	197.5	5,300 *	4,900	57.6	193.4	4,000 *	4,000 *		160	
170	75	170	49.5	191.0	5,200	3,900	52.2	188.8	5,000 *	4,200	54.5	184.5	3,800 *	3,800 *		170	
170	75	180	46.3	181.4	4,500	3,300	48.9	179.2	4,800	3,600	51.1	174.6	3,700 *	3,700 *		180	
170	75	190	42.9	170.7	3,900	2,800	45.5	168.3	4,100	3,000	47.6	163.5	3,600 *	3,200		190	
170	75	200	39.2	158.6	3,400	2,300	41.8	156.0	3,500	2,500						200	
170	75	210	35.3	144.7	2,900		37.7	141.9	3,000	2,000						210	
170	75	220	30.8	128.4	2,400											220	
170	75	230	25.7	108.6	2,000											230	
180	30	44	80.0	215.9	24,000 *	24,000 *										44	
180	30	50	78.3	214.7	24,000 *	24,000 *	79.7	213.9	24,000 *	24,000 *						50	
180	30	60	75.6	212.3	24,000 *	24,000 *	76.9	211.4	23,100 *	23,100 *	78.2	209.8	19,900 *	19,900 *		60	
180	30	70	72.7	209.3	23,000	19,600	74.1	208.5	22,000 *	20,000	75.3	206.8	18,700 *	18,700 *		70	
180	30	80	69.9	205.8	19,000	15,900	71.2	204.9	19,400	16,300	72.4	203.3	17,600 *	16,700		80	
180	30	90	67.0	201.7	15,800	13,200	68.3	200.8	16,200	13,500	69.4	199.1	16,300 *	13,800		90	
180	30	100	64.0	197.0	13,300	11,000	65.3	196.1	13,600	11,300	66.4	194.3	13,900	11,500		100	
180	30	110	60.9	191.6	11,300	9,200	62.2	190.7	11,600	9,500	63.3	188.9	11,800	9,700		110	
180	30	120	57.8	185.5	9,700	7,800	59.0	184.6	9,900	8,000	60.1	182.7	10,100	8,200		120	
180	30	130	54.5	178.6	8,300	6,600	55.7	177.6	8,500	6,800	56.8	175.7	8,700	6,900		130	
180	30	140	51.0	170.8	7,100	5,600	52.3	169.8	7,300	5,700	53.3	167.8	7,400	5,900		140	
180	30	150	47.4	162.0	6,100	4,700	48.6	160.9	6,300	4,800	49.6	158.7	6,400	5,000		150	
180	30	160	43.6	151.9	5,300	3,900	44.8	150.7	5,400	4,100	45.7	148.4	5,500	4,200		160	
180	30	170	39.5	140.3	4,500	3,300	40.6	139.1	4,600	3,400						170	



LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctwrt

Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)	
			5 Degrees				15 Degrees				25 Degrees					
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)		Over End Capacity (lbs)
180	30	180	34.9	126.8	3,900	2,700	36.0	125.4	3,900	2,800						180
180	30	190	29.8	110.6	3,300	2,200										190
180	45	47.89	80.0	230.4	24,000 *	24,000 *										47.89
180	45	50	79.5	230.0	24,000 *	24,000 *										50
180	45	60	76.9	227.7	22,400 *	22,400 *	78.8	226.6	18,800 *	18,800 *						60
180	45	70	74.3	225.0	20,600 *	19,800	76.1	223.8	17,000 *	17,000 *	77.9	221.5	13,000 *	13,000 *		70
180	45	80	71.6	221.7	18,400 *	16,200	73.5	220.5	15,500 *	15,500 *	75.2	218.2	12,100 *	12,100 *		80
180	45	90	68.9	217.9	16,100	13,400	70.8	216.7	14,200 *	13,900	72.4	214.4	11,400 *	11,400 *		90
180	45	100	66.1	213.6	13,500	11,200	68.0	212.4	13,100 *	11,600	69.6	210.0	10,700 *	10,700 *		100
180	45	110	63.3	208.6	11,500	9,400	65.2	207.4	11,900	9,800	66.8	204.9	10,100 *	10,100 *		110
180	45	120	60.4	203.1	9,900	8,000	62.2	201.8	10,200	8,300	63.8	199.3	9,600 *	8,600		120
180	45	130	57.5	196.8	8,500	6,800	59.3	195.5	8,800	7,100	60.8	192.9	9,200	7,300		130
180	45	140	54.4	189.8	7,300	5,800	56.1	188.4	7,600	6,000	57.7	185.7	7,800	6,200		140
180	45	150	51.2	181.9	6,300	4,900	52.9	180.5	6,600	5,100	54.4	177.7	6,700	5,300		150
180	45	160	47.8	173.1	5,500	4,100	49.5	171.6	5,700	4,300	50.9	168.6	5,800	4,500		160
180	45	170	44.2	163.1	4,700	3,400	45.9	161.5	4,900	3,600	47.2	158.3	5,000	3,700		170
180	45	180	40.4	151.7	4,000	2,800	42.1	150.0	4,200	3,000						180
180	45	190	36.3	138.6	3,400	2,300	37.8	136.7	3,600	2,400						190
180	45	200	31.6	123.2	2,900											200
180	45	210	26.2	104.4	2,400											210
180	60	51.77	80.0	244.9	21,300 *	21,300 *										51.77
180	60	60	78.0	243.1	19,200 *	19,200 *										60
180	60	70	75.6	240.5	17,000 *	17,000 *	77.9	239.1	13,800 *	13,800 *						70
180	60	80	73.1	237.5	15,200 *	15,200 *	75.4	236.1	12,500 *	12,500 *	77.6	233.2	8,600 *	8,600 *		80
180	60	90	70.6	234.0	13,700 *	13,500	72.9	232.5	11,500 *	11,500 *	75.1	229.6	8,100 *	8,100 *		90
180	60	100	68.0	230.0	12,400 *	11,300	70.3	228.5	10,600 *	10,600 *	72.5	225.5	7,600 *	7,600 *		100
180	60	110	65.4	225.4	11,400 *	9,600	67.7	223.9	9,800 *	9,800 *	69.8	220.8	7,200 *	7,200 *		110
180	60	120	62.8	220.3	10,000	8,100	65.0	218.7	9,100 *	8,600	67.1	215.6	6,800 *	6,800 *		120
180	60	130	60.0	214.5	8,600	6,900	62.3	212.9	8,500 *	7,300	64.3	209.7	6,500 *	6,500 *		130
180	60	140	57.2	208.1	7,500	5,900	59.5	206.5	7,800	6,200	61.4	203.2	6,200 *	6,200 *		140
180	60	150	54.3	201.0	6,500	5,000	56.5	199.3	6,800	5,300	58.5	195.9	5,900 *	5,600		150
180	60	160	51.3	193.1	5,600	4,200	53.5	191.3	5,900	4,500	55.3	187.7	5,700 *	4,700		160
180	60	170	48.1	184.2	4,800	3,600	50.3	182.3	5,100	3,800	52.1	178.6	5,300	4,000		170
180	60	180	44.8	174.3	4,200	3,000	46.9	172.3	4,400	3,200	48.6	168.3	4,500	3,400		180
180	60	190	41.3	163.1	3,600	2,400	43.3	161.0	3,700	2,600						190
180	60	200	37.4	150.4	3,000	2,000	39.4	148.0	3,200	2,100						200
180	60	210	33.2	135.6	2,500		35.1	133.0	2,700							210
180	60	220	28.4	117.9	2,100											220
180	75	55.65	80.0	259.4	17,100 *	17,100 *										55.65
180	75	60	79.0	258.5	16,200 *	16,200 *										60
180	75	70	76.7	256.1	14,400 *	14,400 *	79.5	254.4	10,600 *	10,600 *						70
180	75	80	74.4	253.2	12,900 *	12,900 *	77.2	251.5	9,600 *	9,600 *	79.8	248.2	6,500 *	6,500 *		80
180	75	90	72.1	249.9	11,600 *	11,600 *	74.8	248.2	8,800 *	8,800 *	77.4	244.8	6,000 *	6,000 *		90
180	75	100	69.7	246.2	10,500 *	10,500 *	72.4	244.4	8,100 *	8,100 *	75.0	240.9	5,600 *	5,600 *		100
180	75	110	67.2	241.9	9,600 *	9,600 *	70.0	240.1	7,500 *	7,500 *	72.5	236.6	5,300 *	5,300 *		110
180	75	120	64.8	237.2	8,800 *	8,200	67.5	235.3	7,000 *	7,000 *	70.0	231.7	5,000 *	5,000 *		120
180	75	130	62.3	231.8	8,100 *	7,000	65.0	230.0	6,500 *	6,500 *	67.4	226.3	4,700 *	4,700 *		130
180	75	140	59.7	226.0	7,500 *	6,000	62.3	224.1	6,100 *	6,100 *	64.7	220.3	4,500 *	4,500 *		140
180	75	150	57.0	219.4	6,600	5,100	59.7	217.5	5,800 *	5,500	62.0	213.6	4,300 *	4,300 *		150
180	75	160	54.3	212.2	5,700	4,300	56.9	210.2	5,400 *	4,700	59.2	206.1	4,100 *	4,100 *		160



LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctwrt

Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib 360° Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib 360° Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Capacity (lbs)	Jib 360° Capacity (lbs)	
180	75	170	51.4	204.2	4,900	3,700	54.0	202.1	5,200 *	4,000	56.2	197.9	3,900 *	3,900 *	170
180	75	180	48.4	195.4	4,200	3,100	51.0	193.2	4,500	3,300	53.2	188.7	3,800 *	3,600	180
180	75	190	45.3	185.5	3,600	2,500	47.8	183.2	3,900	2,800	49.9	178.5	3,600 *	3,000	190
180	75	200	42.0	174.5	3,100	2,100	44.5	172.0	3,300	2,300	46.4	166.9	3,500 *	2,500	200
180	75	210	38.4	162.0	2,600		40.8	159.3	2,800						210
180	75	220	34.5	147.7	2,200		36.9	144.7	2,400						220
190	30	45.74	80.0	225.8	24,000 *	24,000 *									45.74
190	30	50	78.9	224.9	24,000 *	24,000 *									50
190	30	60	76.2	222.6	24,000 *	24,000 *	77.5	221.8	22,900 *	22,900 *	78.7	220.2	20,100 *	20,100 *	60
190	30	70	73.6	219.8	22,800	19,400	74.8	218.9	21,800 *	19,800	76.0	217.3	18,900 *	18,900 *	70
190	30	80	70.8	216.4	18,800	15,700	72.1	215.6	19,200	16,100	73.2	213.9	17,400 *	16,500	80
190	30	90	68.1	212.5	15,600	12,900	69.3	211.7	16,000	13,300	70.4	210.0	16,200 *	13,600	90
190	30	100	65.2	208.1	13,100	10,700	66.5	207.2	13,400	11,000	67.6	205.5	13,700	11,300	100
190	30	110	62.3	203.0	11,100	9,000	63.6	202.1	11,400	9,300	64.7	200.4	11,600	9,500	110
190	30	120	59.4	197.3	9,400	7,600	60.6	196.4	9,700	7,800	61.6	194.5	9,900	8,000	120
190	30	130	56.3	190.8	8,100	6,400	57.5	189.9	8,300	6,600	58.5	188.0	8,500	6,700	130
190	30	140	53.1	183.6	6,900	5,300	54.3	182.6	7,100	5,500	55.3	180.6	7,200	5,700	140
190	30	150	49.8	175.4	5,900	4,500	50.9	174.4	6,100	4,600	51.9	172.3	6,200	4,700	150
190	30	160	46.3	166.2	5,000	3,700	47.4	165.1	5,200	3,800	48.3	162.9	5,300	3,900	160
190	30	170	42.6	155.8	4,300	3,000	43.7	154.6	4,400	3,100					170
190	30	180	38.5	143.8	3,600	2,400	39.6	142.5	3,700	2,500 *					180
190	30	190	34.1	129.8	3,000		35.1	128.4	3,100	2,000					190
190	30	200	29.1	113.1	2,500										200
190	45	49.62	80.0	240.3	24,000 *	24,000 *									49.62
190	45	50	79.9	240.2	24,000 *	24,000 *									50
190	45	60	77.4	238.0	22,300 *	22,300 *	79.3	236.9	18,700 *	18,700 *					60
190	45	70	74.9	235.4	20,400 *	19,600	76.7	234.2	16,900 *	16,900 *	78.4	231.9	13,200 *	13,200 *	70
190	45	80	72.4	232.3	18,400 *	15,900	74.2	231.1	15,400 *	15,400 *	75.9	228.8	12,300 *	12,300 *	80
190	45	90	69.8	228.7	15,800	13,100	71.6	227.5	14,100 *	13,700	73.2	225.1	11,500 *	11,500 *	90
190	45	100	67.2	224.5	13,300	11,000	69.0	223.3	13,000 *	11,400	70.6	220.9	10,900 *	10,900 *	100
190	45	110	64.6	219.9	11,300	9,200	66.3	218.6	11,700	9,600	67.9	216.2	10,300 *	9,900	110
190	45	120	61.8	214.6	9,600	7,700	63.6	213.3	10,000	8,100 *	65.1	210.8	9,800 *	8,400	120
190	45	130	59.0	208.7	8,300	6,500	60.7	207.4	8,600	6,800	62.2	204.8	8,800	7,100	130
190	45	140	56.1	202.1	7,100	5,500	57.8	200.8	7,400	5,800	59.3	198.1	7,600	6,000	140
190	45	150	53.1	194.8	6,100	4,600	54.8	193.4	6,300	4,900	56.2	190.6	6,500	5,100	150
190	45	160	50.0	186.6	5,200	3,900	51.6	185.1	5,400	4,100	53.0	182.2	5,600	4,300	160
190	45	170	46.7	177.4	4,500	3,200	48.3	175.8	4,600	3,400	49.6	172.7	4,800	3,500	170
190	45	180	43.2	167.0	3,800	2,600	44.8	165.4	3,900	2,800	46.1	162.1	4,100	2,900	180
190	45	190	39.5	155.3	3,200	2,100	41.1	153.5	3,300	2,200					190
190	45	200	35.4	141.8	2,700		36.9	139.8	2,800						200
190	45	210	30.9	125.9	2,200										210
190	60	53.51	80.0	254.8	19,700 *	19,700 *									53.51
190	60	60	78.5	253.4	19,000 *	19,000 *									60
190	60	70	76.1	250.9	16,900 *	16,900 *	78.4	249.5	13,700 *	13,700 *					70
190	60	80	73.8	248.0	15,200 *	15,200 *	76.0	246.5	12,500 *	12,500 *	78.2	243.7	8,700 *	8,700 *	80
190	60	90	71.4	244.6	13,700 *	13,300	73.6	243.2	11,400 *	11,400 *	75.7	240.2	8,200 *	8,200 *	90
190	60	100	68.9	240.8	12,400 *	11,100	71.2	239.3	10,500 *	10,500 *	73.2	236.3	7,700 *	7,700 *	100
190	60	110	66.5	236.4	11,400 *	9,400	68.7	234.9	9,800 *	9,800 *	70.7	231.9	7,300 *	7,300 *	110
190	60	120	63.9	231.6	9,800	7,900	66.1	230.0	9,100 *	8,400	68.1	226.9	6,900 *	6,900 *	120
190	60	130	61.4	226.1	8,400	6,700	63.5	224.5	8,500 *	7,100	65.5	221.3	6,600 *	6,600 *	130

LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cttwt

Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lbs)	360° Jib Capacity (lbs)	
190	60	140	58.7	220.1	7,200	5,600	60.9	218.4	7,600	6,000	62.8	215.2	6,300 *	6,300 *	140
190	60	150	56.0	213.4	6,200	4,800	58.1	211.7	6,600	5,100	60.0	208.3	6,000 *	5,400	150
190	60	160	53.1	205.9	5,300	4,000	55.2	204.2	5,600	4,300	57.1	200.6	5,800 *	4,500	160
190	60	170	50.2	197.7	4,600	3,300	52.3	195.8	4,800	3,600	54.0	192.2	5,100	3,800	170
190	60	180	47.1	188.5	3,900	2,700	49.1	186.6	4,100	3,000	50.8	182.7	4,300	3,100	180
190	60	190	43.8	178.3	3,300	2,200	45.9	176.2	3,500	2,400	47.5	172.1	3,700	2,600	190
190	60	200	40.4	166.7	2,800		42.3	164.5	3,000						200
190	60	210	36.6	153.6	2,300		38.5	151.2	2,400						210
190	75	57.39	80.0	269.2	16,300 *	16,300 *									57.39
190	75	60	79.4	268.7	16,100 *	16,100 *									60
190	75	70	77.2	266.4	14,300 *	14,300 *	79.9	264.7	10,700 *	10,700 *					70
190	75	80	75.0	263.6	12,800 *	12,800 *	77.7	261.9	9,800 *	9,800 *					80
190	75	90	72.8	260.5	11,600 *	11,600 *	75.4	258.8	9,000 *	9,000 *	77.9	255.3	6,100 *	6,100 *	90
190	75	100	70.5	256.9	10,500 *	10,500 *	73.1	255.1	8,300 *	8,300 *	75.6	251.6	5,700 *	5,700 *	100
190	75	110	68.2	252.8	9,600 *	9,500	70.8	251.0	7,700 *	7,700 *	73.2	247.5	5,400 *	5,400 *	110
190	75	120	65.8	248.3	8,800 *	8,000	68.4	246.5	7,100 *	7,100 *	70.8	242.8	5,100 *	5,100 *	120
190	75	130	63.4	243.2	8,100 *	6,800	66.0	241.4	6,700 *	6,700 *	68.4	237.7	4,800 *	4,800 *	130
190	75	140	60.9	237.6	7,300 *	5,800	63.5	235.7	6,300 *	6,300	65.8	231.9	4,600 *	4,600 *	140
190	75	150	58.4	231.5	6,300	4,900	61.0	229.5	5,900 *	5,300	63.3	225.6	4,300 *	4,300 *	150
190	75	160	55.8	224.6	5,500	4,100	58.4	222.6	5,600 *	4,500	60.6	218.6	4,200 *	4,200 *	160
190	75	170	53.1	217.1	4,700	3,400	55.6	215.0	5,000	3,700	57.8	210.8	4,000 *	4,000 *	170
190	75	180	50.3	208.8	4,000	2,800	52.8	206.6	4,300	3,100	54.9	202.3	3,800 *	3,400	180
190	75	190	47.4	199.7	3,400	2,300	49.9	197.4	3,700	2,500	51.9	192.8	3,700 *	2,800	190
190	75	200	44.4	189.5	2,900		46.8	187.1	3,100	2,000	48.8	182.2	3,300	2,200	200
190	75	210	41.1	178.1	2,400		43.5	175.5	2,600		45.4	170.3	2,800	1,800	210
190	75	220	37.6	165.3			39.9	162.5	2,100						220
200	30	47.48	80.0	235.6	24,000 *	24,000 *									47.48
200	30	50	79.4	235.1	24,000 *	24,000 *									50
200	30	60	76.8	232.9	24,000 *	23,900	78.1	232.1	21,500 *	21,500 *	79.2	230.5	19,500 *	19,500 *	60
200	30	70	74.3	230.2	21,900 *	19,100	75.5	229.4	20,600 *	19,600	76.6	227.8	18,600 *	18,600 *	70
200	30	80	71.7	227.0	18,600	15,500	72.9	226.2	19,000	15,900	74.0	224.5	17,200 *	16,300	80
200	30	90	69.1	223.3	15,400	12,700	70.3	222.5	15,700	13,100	71.3	220.8	16,000 *	13,400	90
200	30	100	66.4	219.1	12,900	10,500	67.6	218.2	13,200	10,800	68.6	216.5	13,500	11,100	100
200	30	110	63.6	214.3	10,900	8,800	64.8	213.4	11,100	9,000	65.9	211.7	11,400	9,300	110
200	30	120	60.8	208.9	9,200	7,300	62.0	208.0	9,500	7,600	63.0	206.2	9,700	7,800	120
200	30	130	57.9	202.8	7,800	6,100	59.1	201.9	8,100	6,300	60.1	200.0	8,200	6,500	130
200	30	140	55.0	196.0	6,700	5,100	56.1	195.1	6,900	5,300 *	57.1	193.1	7,000	5,400	140
200	30	150	51.9	188.4	5,700	4,200	53.0	187.4	5,800	4,400	53.9	185.4	6,000	4,500	150
200	30	160	48.6	179.9	4,800	3,500	49.7	178.9	5,000	3,600	50.6	176.7	5,100	3,700	160
200	30	170	45.2	170.4	4,000	2,800	46.3	169.2	4,200	2,900	47.1	167.0	4,300	3,000	170
200	30	180	41.6	159.5	3,400	2,200	42.6	158.3	3,500	2,300					180
200	30	190	37.6	147.2	2,800		38.7	145.9	2,900						190
200	30	200	33.3	132.8	2,300										200
200	45	51.36	80.0	250.1	20,800 *	20,800 *									51.36
200	45	60	78.0	248.3	20,200 *	20,200 *	79.7	247.1	18,400 *	18,400 *					60
200	45	70	75.6	245.8	19,400 *	19,400	77.3	244.6	16,700 *	16,700 *	78.9	242.3	13,300 *	13,300 *	70
200	45	80	73.1	242.8	18,200 *	15,700	74.9	241.6	15,200 *	15,200 *	76.5	239.3	12,500 *	12,500 *	80
200	45	90	70.7	239.3	15,600	12,900	72.4	238.2	14,000 *	13,400	74.0	235.8	11,700 *	11,700 *	90
200	45	100	68.2	235.4	13,100	10,700	69.9	234.2	12,900 *	11,200	71.4	231.8	11,100 *	11,100 *	100
200	45	110	65.7	231.0	11,100	9,000	67.3	229.7	11,500	9,400	68.9	227.3	10,500 *	9,700	110



LS-218H II - w/ 50" x 60" Tube Boom, w/ 24" x 32" Tube Jib, w/ "AB" Cttwt

Refer to the Tubular Jib Notes for Open Throat Boom in this Crane Rating Manual before operating the machine.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)
			5 Degrees				15 Degrees				25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lbs)	360° Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Jib Capacity (lbs)	360° Jib Capacity (lbs)	
200	45	120	63.1	226.0	9,400	7,500	64.7	224.7	9,800	7,900	66.2	222.2	10,000 *	8,200	120
200	45	130	60.4	220.4	8,000	6,300	62.1	219.1	8,400	6,600	63.5	216.5	8,600	6,900	130
200	45	140	57.7	214.2	6,900	5,300	59.3	212.8	7,100	5,600	60.7	210.2	7,400	5,800	140
200	45	150	54.9	207.3	5,800	4,400	56.5	205.9	6,100	4,600	57.9	203.1	6,300	4,900	150
200	45	160	51.9	199.6	5,000	3,600	53.5	198.2	5,200	3,800	54.9	195.3	5,400	4,000	160
200	45	170	48.9	191.1	4,200	2,900	50.5	189.5	4,400	3,100	51.7	186.5	4,600	3,300	170
200	45	180	45.7	181.5	3,500	2,400	47.2	179.9	3,700	2,500	48.5	176.8	3,900	2,700	180
200	45	190	42.3	170.8	2,900		43.8	169.1	3,100	2,000					190
200	45	200	38.7	158.7	2,400		40.1	156.9	2,500						200
200	45	210	34.7	144.8			36.1	142.8	2,000						210

Link—Belt Construction Equipment Company

Lexington, Kentucky

www.linkbelt.com

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LS—218H II

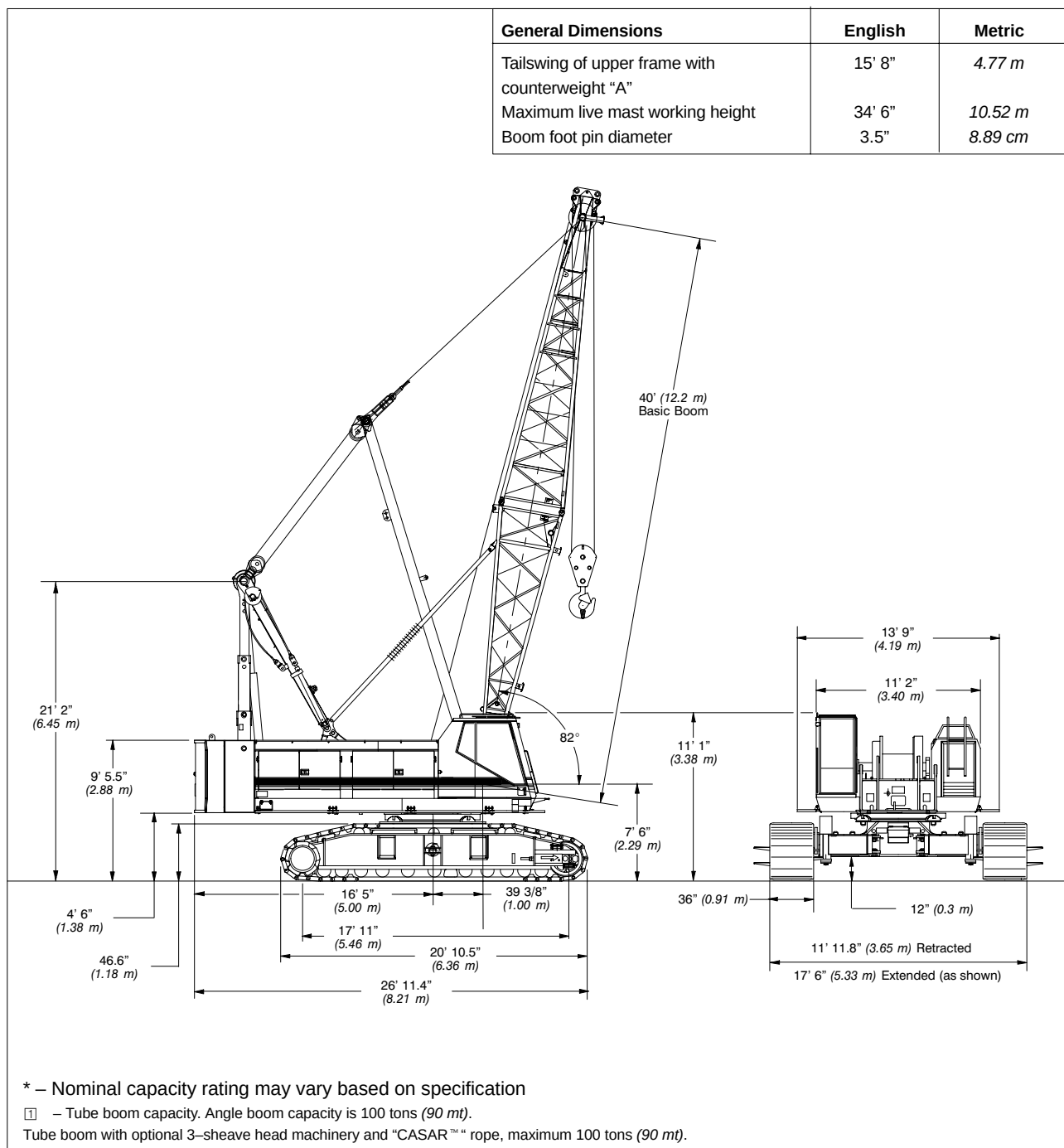


Specifications

Lattice Boom Crawler Crane

LS-218H II HYLAB Series

110-ton* (100 metric ton)



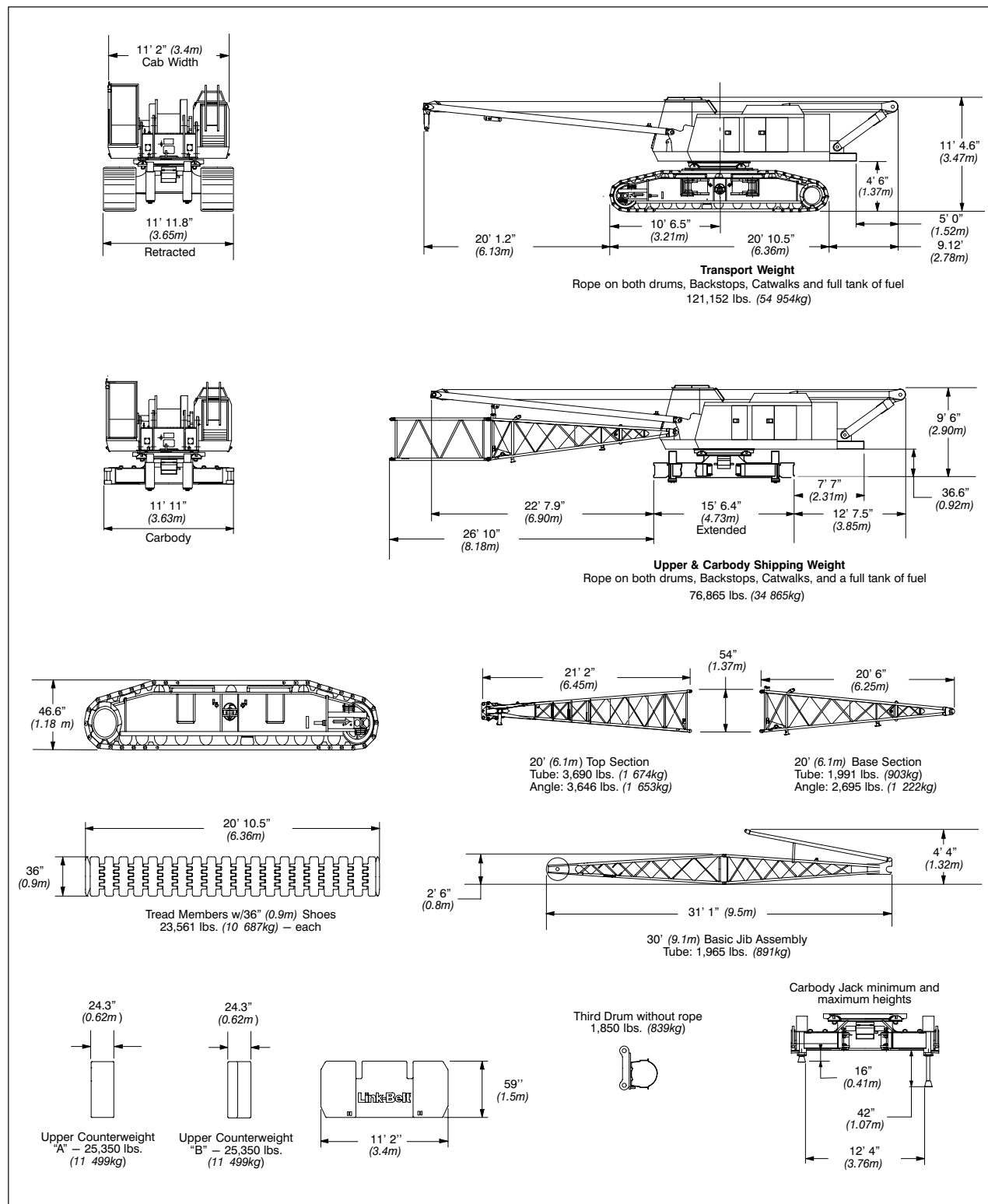
Litho in USA 5/02

#5358 (supersedes #5347)

Link-Belt

CONSTRUCTION EQUIPMENT

LS-218H II Machine Transport Weights – approximate



LS-218H II Transportation Weights – approximate

Base Machine: Rigid Boom Backstops, 77 Gallons (291L) of fuel, Catwalks (right and left side), Lower jacking system, 26' (7.9m) Live Mast, Bridle & Spreader Bar, 10-Part Boom Hoist Reeving, 700' (213.36m) of type 'DB' Front Hoist Rope, 650' (198.12m) of type 'RB' Rear Hoist Rope.

Item Description	Gross Weight		Transport Loads					Notes and Load Summary
	lb.	kg.	#1	#2	#3	#4	#5	
Base Machine (without base section)	74,030	33 579	1					Numbers in the load columns to the left represent quantities.
Add "A" Counterweight	25,350	11 499				1		
Add "B" Counterweight	25,350	11 499					1	Estimated transport assumes the load out consist of 230' (70.1m) of tube boom + 75' (22.86m) of jib with full counterweight.
Add a Treadmember (2 required)	23,561	10 687		1	1			
Add Hydraulic Third Drum w/o rope	1,850	839						Support loads were targeted at 45,000 lb (20 412kg), 8'-6" (2.6m) wide, 48' (14.6m) long, and 13'-6" (4.1m) high using a drop deck trailer. This may vary depending on state laws, empty truck/trailer weights, and style of trailer.
Add 20' (6.1m) Tube Base Section	1,991	903	1					
Add 20' (6.1m) Tube Top Section	3,690	1 674				1		Estimated weights vary by +/- 2%.
Add 10' (3.05m) "HP" Tubular Extension w/pins & pendants	844	383	1					
Add 20' (6.1m) "HP" Tubular Extension w/pins & pendants	1,353	614		1	1			Estimated Total Load of #1 77,488 lbs. (35 148kg).
Add 30' (9.1m) "HP" Tubular Extension w/pins & pendants	1,894	859		1	1			
Add 40' (12.2m) "HP" Tubular Extension w/pins & pendants	2,357	1 069				1	1	Estimated Total Load of #2 26,808 lbs. (12 160kg).
Add 20' (6.1m) Angle Base Section	2,695	1 222						
Add 20' (6.1m) Angle Top Section with 4 Lifting Sheaves	3,646	1 654						Estimated Total Load of #3 26,808 lbs. (12 160kg).
Add 20' (6.1m) Angle Top Section with 3 Lifting Sheaves	3,400	1 542						
Add 20' (6.1m) Angle Top Section with 2 Lifting Sheaves	3,300	1 497						Estimated Total Load of #4 35,092 lbs. (15 918kg).
Add 10' (3.05m) Angle Extension w/pins & pendants	1,047	475						
Add 20' (6.1m) Angle Extension w/pins & pendants	1,696	769						Estimated Total Load of #5 30,542 lbs. (13 854kg).
Add 30' (9.1m) Angle Extension w/pins & pendants	2,448	1 110						
Add Bridle & Spreader Bar Only (No Live Mast)	885	401						
Add Quick Draw Assembly	623	283	1					
Add Tagline Winder w/rope	1,040	472						
Add Fairleader	500	227						
Add PAT DS-350	100	45						
Add 30' (9.1m) Tubular Jib	1,965	891					1	
Add 15' (4.6m) Tubular Jib Extension	290	132					3	
Add 5' (1.5m) Auxiliary Tip Extension	640	290						
Add Pile Driver Lead Adapter	198	90						
Add Holding Rope – 1" X 190' Type 'DB'	352	160						
Add Closing Rope – 1" X 240' Type 'DB'	444	201						
Add Inhaul Rope – 1" X 105' Type 'M'	185	84						
Add Hoist Rope – 1" X 700' Type 'DB'	1 295	587						
Add Hoist Rope – 1" X 700' Type 'CC'	1,421	645						
Add jib Wire Rope – 1" X 700' Type 'DB'	1,295	587						
Add 3rd Drum Wire Rope 0.75" X 550' Type 'DB'	572	259						
Add Auxiliary Lifting Bail	196	89						
Add 15-ton (13.6mt) Hook Ball – Non Swivel	750	340				1		
Add 15-ton (13.6mt) Hook Ball – Swivel	760	345						
Add 110-ton (100mt) 4 Sheave Hook Block	2,946	1 336				1		
Remove Front Hoist Rope 1" X 700' Type 'DB'	-1,232	-559						
Remove Jib Wire Rope 1" X 650' Type 'RB'	-1,300	-590						
Remove 26' (7.9m) Live Mast with Bridle & Spreader Bar	-2,949	-1 338						
Remove 50 gallons (189.3L) of fuel	-362	-164						

LS-218H II Machine Working Weights

Option	Description	Gross Weight lbs. (kg)	Ground Bearing Pressure psi (kg/cm ²)
1	Base machine equipped with 40' (12.2m) of tube boom, live mast, "A" counterweight, 700' (213m) front hoist rope, 650' (198m) rear hoist rope, 110-ton (99.8mt) hook block, 77 gallons (291.4L) of fuel, and 200 lbs. (90.7kg) operator.	155,276 (70 432)	9.68 (0.68)
2	Option #1 plus "B" counterweight, midpoint pendants, and 190' (57.9m) of boom extensions to obtain 230' (70.1m) of main boom.	192,877 (87 488)	12.02 (0.85)
3	Option #2 plus 75' (22.86m) of jib and 15-ton (13.6mt) hook ball – subtract 40' (12.19m) of boom extension and midpoint pendants to obtain maximum 190' + 75' (57.9 + 22.9m) of main boom + jib.	193,906 (87 954)	12.08 (0.85)
4	Option #3 Base machine equipped with 40' (12.2m) of angle boom, live mast, "A" counterweight, 700' (213m) front hoist rope, 650' (198m) rear hoist rope, 110-ton (99.8mt) hook block, 77 gallons (291 L) of fuel, and 200 lbs. (90.7kg) operator.	155,936 (70 731)	9.72 (0.69)
5	Option #4 plus "B" counterweight and 110' (33.5m) of boom extensions to obtain 150' (45.7m) of main boom.	190,621 (86 464)	11.88 (0.84)
6	Option #5 plus 60' (18.3m) of jib and 15-ton (13.6mt) hook ball to obtain maximum 150' + 60' (45.7 + 18.3m) of main boom + jib.	193,916 (87 959)	12.03 (0.85)

Notes:

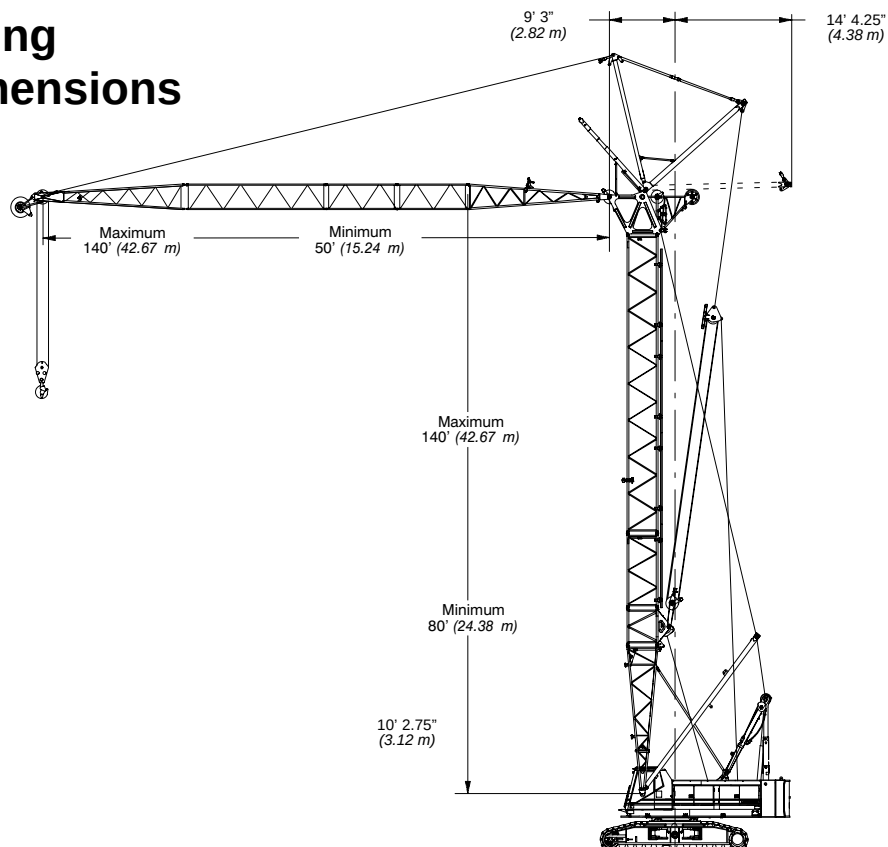
- Ground bearing pressure is based on the total weight distributed evenly over the track contact area.
- Total contact area for 36" (0.91m) track shoes is 16,047 in² (103 529cm²).



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CONSTRUCTION EQUIPMENT

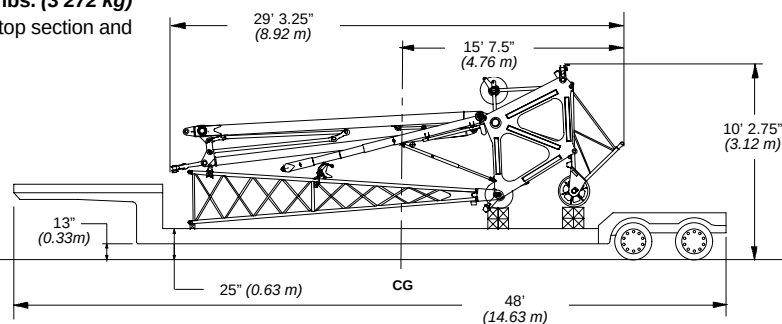
LS-218H II Luffing Attachment Dimensions



LS-218H II Luffing Attachment Transport

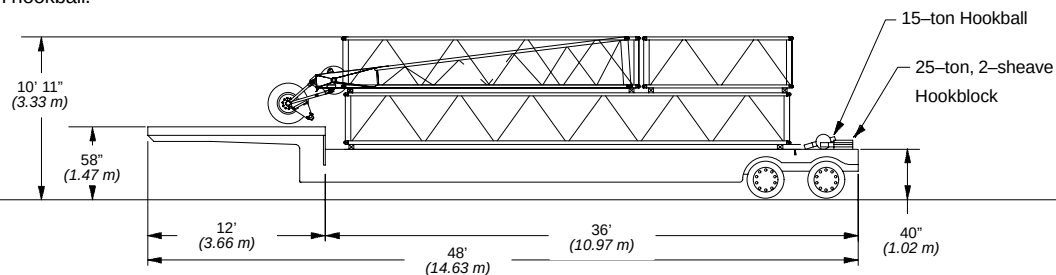
Luffing Shipping Module #1: 7,214 lbs. (3 272 kg)

Luffing jib base section, luffing boom top section and the front and rear fan post.

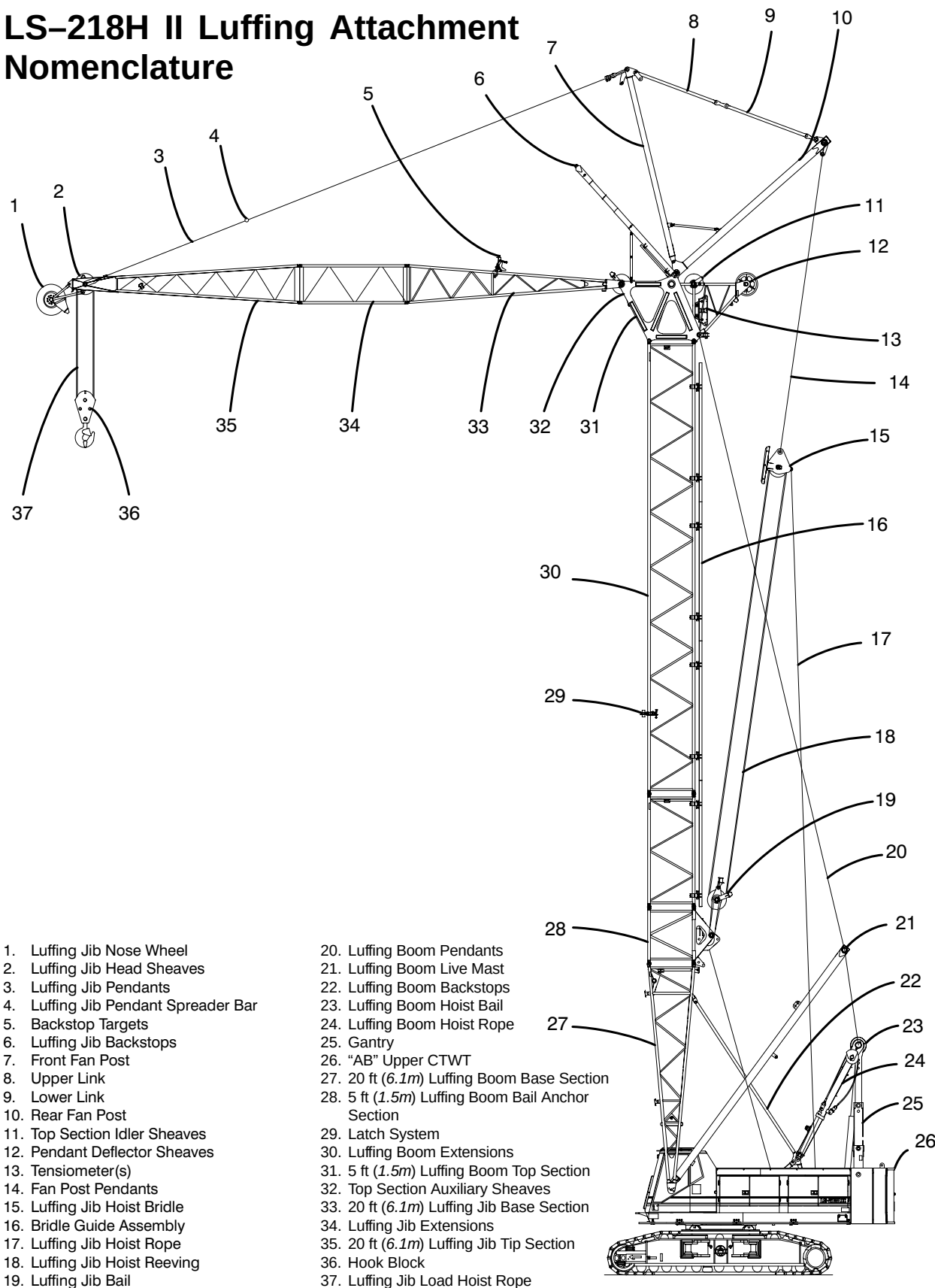


Luffing Shipping Module #2: 6,699 lbs. (3 039 kg)

Luffing jib peak assembly with nose wheel, 30' section (two each), 20' section (one each), 10' section (two each), 25-ton hookblock and 15-ton hookball.



LS-218H II Luffing Attachment Nomenclature



1. Luffing Jib Nose Wheel
2. Luffing Jib Head Sheaves
3. Luffing Jib Pendants
4. Luffing Jib Pendant Spreader Bar
5. Backstop Targets
6. Luffing Jib Backstops
7. Front Fan Post
8. Upper Link
9. Lower Link
10. Rear Fan Post
11. Top Section Idler Sheaves
12. Pendant Deflector Sheaves
13. Tensiometer(s)
14. Fan Post Pendants
15. Luffing Jib Hoist Bridle
16. Bridle Guide Assembly
17. Luffing Jib Hoist Rope
18. Luffing Jib Hoist Reeving
19. Luffing Jib Bail

20. Luffing Boom Pendants
21. Luffing Boom Live Mast
22. Luffing Boom Backstops
23. Luffing Boom Hoist Bail
24. Luffing Boom Hoist Rope
25. Gantry
26. "AB" Upper CTWT
27. 20 ft (6.1m) Luffing Boom Base Section
28. 5 ft (1.5m) Luffing Boom Bail Anchor Section
29. Latch System
30. Luffing Boom Extensions
31. 5 ft (1.5m) Luffing Boom Top Section
32. Top Section Auxiliary Sheaves
33. 20 ft (6.1m) Luffing Jib Base Section
34. Luffing Jib Extensions
35. 20 ft (6.1m) Luffing Jib Tip Section
36. Hook Block
37. Luffing Jib Load Hoist Rope

Attachment Options

■ 40' – 230' Tubular Boom (12.19 –70.1 m)

Basic Boom – 40' (12.19 m) two–piece design that utilizes a 20' (6.10 m) base section and a 20' (6.10 m) open throat top section with in–line connecting pins on 60" (1.52 m) wide and 50" (1.27 m) deep centers.

- Boom feet on 61" (1.55 m) centers
- 3" (76.2 mm) diameter chords
- Lugs on base section to attach carrying links
- Skywalk platform
- Deflector roller on top section
- Permanent skid pads mounted on top section to protect head machinery
- Four 21" (0.53 m) root diameter steel sheaves mounted on sealed anti–friction bearings
- Tip extension and jib connecting lugs on top section
- Mechanical boom angle indicator

Optional – “Quick Draw™” handling system that mounts in the boom base to allow loading/unloading of a counterweight, a tread member or a boom section onto transport trailers.

Tube Boom Extensions – The following table provides the lengths available and the suggested quantity to obtain maximum boom in 10' (3.05 m) increments. Midpoint pendant connections are required at 100' (30.5 m) for boom lengths 210' (64.0 m) and longer.

Tube Boom Extensions	Suggested Quantity for Max. Boom
10' (3.05 m)	1
20' (6.10 m)	2
30' (9.14 m)	2
40' (12.19 m)	2

- Deflector roller on top of each section
- Appropriate length pendants
- Maximum tube boom tip height of 235' (71.63 m)

■ 40'–150' Angle Boom (12.19 –45.72 m)

Basic Angle Boom – 40' (12.2 m) two–piece design that utilizes a 20' (6.10 m) base section and a 20' (6.10 m) open throat top section with in–line connecting pins. Boom extensions are 48" (1.22 m) wide and 48" (1.22 m) deep at outside dimensions of angles.

- Boom feet on 61" (1.55 m) centers
- 4" X 4" X 0.38" (101.6 x 101.6x 9.5 mm) angle chords

- Lugs on base section to attach carrying links
- Skywalk platform
- Deflector roller on top section
- Rigid sheave guards
- Four 18" (0.5 m) root diameter steel sheaves mounted on sealed anti–friction bearings
- Tip extension and jib connecting lugs on top section
- Mechanical boom angle indicator

Optional – Three sheave head machinery for clam applications or two wide mouth sheaves for dragline applications.

- Three sheave lift crane head machinery instead of standard (when used with “CASAR™ Stratoplast” rope) offers maximum capacity of 100 tons (90 mt).

Angle Boom Extensions – The following table provides the lengths available and the suggested quantity to obtain maximum boom in 10' (3.05 m) increments. Midpoint pendant connections are not required.

Angle Boom Extensions	Suggested Quantity for Max. Boom
10' (3.05m)	1
20' (6.10m)	2
30' (9.14m)	2

- Deflector roller on top of each section
- Appropriate length pendants
- Maximum angle boom tip height of 156' (47.56 m)

■ 30' – 75' Tubular Jib (9.14–22.86m)

Basic Tube Jib – 30' (9.14 m) two–piece design that utilizes a 15' (4.57 m) base section and a 15' (4.57 m) top section with in–line connecting pins on 32" (0.81 m) wide and 24" (0.61 m) deep centers.

- 2" (50.8 mm) diameter tubular chords
- One 18.5" (0.46 m) root diameter steel sheave mounted on sealed anti–friction bearings.
- 15' (4.6 m) jib extensions provide jib lengths at 45' (13.76 m), 60' (18.3 m) and 75' (22.86 m) for tube boom. Angle boom is limited to 60' (18.29 m).
- Jib offset angles at 5, 15 and 25 degrees
- Maximum tip height of tube boom + jib is 269.5' (82.14 m).
- Maximum tip height angle boom + jib is 215' (65.57 m).

■ Auxiliary 5' Tip Extension (1.5m)

Designed to use in place of jib to provide clearance between working hoist lines. The extension is equipped with two nylon 18" (0.46 m) root diameter sheaves mounted on sealed anti–friction bearings. Maximum capacity is 9–ton (8.16 mt).

■ 50' – 140' (15.24 – 42.67 m) Luffing Jib

Basic Luffing Jib – 50' (15.24 m) four–piece design utilizes a 20' (6.10 m) base section, 10' (3.05 m) extension, 20' (6.10 m) top section with in–line connecting pins and 5' (1.5 m) luffing boom top section Boom extensions are 39" (0.99 m) wide and 48" (1.22 m) deep at the centers.

- 25–ton (22.68 mt) maximum capacity
- Working lengths of 50' (15.24 m) to 140' (42.67 m)
- Brackets on base section to attach fan–post transport links
- Two steel 22.5" (0.57 m) diameter luffing jib head sheaves
- Two polyamide 21.25" (0.54 m) diameter luffing boom auxiliary head sheaves
- Pin–on nose wheel
- Eight–part luffing jib hoist.
- 1.25" (31.75 mm) diameter type “N” pendants
- Anemometer with in–cab display

Luffing Jib Extensions – The following table provides the lengths available and the suggested quantity to obtain the maximum luffing jib in 10' (3.05 m) increments. Midpoint pendants are not required.

Luffing Jib Extensions	Suggested Quantity for Max. Boom
10' (3.05 m)	1
20' (6.10 m)	1
30' (9.14 m)	2

- Deflector roller on top of each extension
- Appropriate length pendants
- Max. luffing jib tip height of 283' (86.26 m)

■ Luffing Boom

- Common base and extensions as open throat boom (HP boom only)
- 5' (1.5 m) luffing extension required for bail anchor
- Working angles of 90, 85, 80, 75, 70, and 65 degrees.
- Working lengths of 80' (24.38 m) to 140' (42.67 m) with luffing jib combinations up to 140' (42.67 m)
- Maximum luffing boom length 150' (45.72 m) with luffing jib combinations of 80' (24.38 m), 90' (27.43 m), and 100' (30.48 m) only.
- 1.38" (34.92 mm) diameter type “N” pendants; same as open throat boom.



Luffing Boom Extensions – The following table provides the lengths available and the suggested quantity to obtain the maximum luffing boom in 10' (3.05 m) increments. Midpoint pendants are not required.

Luffing Boom Extensions	Suggested Quantity for Max. Boom
10' (3.05 m)	1
20' (6.10 m)	2
30' (9.14 m)	1
40' (12.19 m)	1

Note: "HP" type boom must be used.

- Rear hoist drum becomes luffing jib hoist
- Optional third drum provides second working hoist line, if required.
- Designed for self-assembly

- Luffing jib hoist bridle and bail can remain reeved for machine transport
- Job site mobility with attachment
- Rolled out or rolled under erection methods
- Compact transport module.

■ Boom Hoist System

Designed to lift off maximum boom or maximum boom plus jib unassisted. Operates up to a maximum boom angle of 82 degrees. Boom hoist limit system limits maximum boom angle operation.

- Retractable gantry frame and
- Pin-on bail frame
- 10-part reeving with 3/4" (19 mm) wire rope

- Bridle assembly
- 26' (7.92 m) live mast (optional for angle attachment)
- Two 1.38" (35 mm) pendants
- Tubular boom backstops (telescopic type)
- Sheaves contain sealed anti-friction bearings
- Boom speed from 10°–70° is 69 seconds with no load. Speed was determined using 100' (30.5 m) of tube boom.

Note – DS-350 required when using luffing attachment.

Revolving Upper Structure

■ Frame

All welded steel frame with precision machined surfaces for mating parts.

■ Engine

Mitsubishi 6D24-TEB with oil filter, oil cooler, air cleaner, fuel filter, water separator, tachometer and electrical shutdown.	
Number of cylinders	6
Bore and stroke – in. (mm)	5.12 x 5.91 (130 x 150)
Piston displacement – in ³ (cm ³)	729 (11 945)
Engine rpm at full load speed	2,000
Hi-idle rpm	2,325
Full load speed – hp. (kw)	263 (196)
Peak torque – ft. lb. (joule)	746 (1011)
Peak torque – rpm	1,400
Electrical system	24 volt
Batteries	2–12 volt
Approximate fuel consumption	Gal./hr (L/hr)
100% H.P.	13.84 (52.40)
75% H.P.	10.38 (39.29)
50% H.P.	6.92 (26.19)
25% H.P.	3.46 (13.10)

■ Hydraulic System Specifications

Hydraulic Pumps – The pump arrangement is designed to provide hydraulically powered functions allowing positive, precise control with independent or simultaneous operation of all crane functions.

- Two variable displacement pumps operating at 4,000 psi (281kg/cm²) and 83 gal/min (315L/min) powers load hoist drums, boom hoist drum, optional third drum, and travel.
- Fixed displacement gear type pump operating at 3,600 psi (250kg/cm²) and 31 gal/min (117L/min) powers the motors, treadmember retract cylinders or jacking cylinders.
- One fixed displacement gear type pump operating at 3,000 psi (210kg/cm²) and 35 gal/min (130L/min) powers the swing motors.

- One fixed displacement gear type pump operating at 1,200 psi (84.4kg/cm²) and 10.5 gal/min (39.7L/min) powers the pilot control system, clutches, brakes and pump controls.

Pump Control ("Fine Inching") mode – Special pump setting, selectable from operator's cab, that allows very slow movements of load hoist drums, boom hoist drum, and travel for precision work.

Hydraulic Reservoir – 79 gal (300L), equipped with sight level gauge. Diffusers built in for deaeration.

Filtration – One 10 micron, full flow, line filter in the control circuit. All oil is filtered prior to entering the reservoir.

Counterbalance Valves – All hoist motors are equipped with counterbalance valves to provide positive load lowering and prevent accidental load drop if the hydraulic pressure is suddenly lost.

■ Load Hoist Drums

Each drum contains a pilot controlled, bi-directional, axial piston motor and a planetary gear reduction unit to provide positive control under all load conditions.

- Power up/down & free-fall operation modes
- Automatic brake mode (spring applied, hydraulically released, band type brake)
- 1" (25.4mm) grooved lagging
- Drum pawl controlled manually
- Electronic drum rotation indicators
- Mounted on anti-friction bearings
- 21.50" (0.54m) root diameter
- 40.94" (1.04m) flange diameter
- 24.63" (0.62m) width

Note: The freefall operational mode is designed to prevent load lowering even if the freefall switch is accidentally activated.

The automatic brake mode meets all OSHA requirements for personnel handling.

Drum Clutches – Speed-o-Matic™ power hydraulic two shoe clutch design that uses a 37" (940 mm) diameter x 5" (127 mm) wide shoe that internally expands to provide load control. Swept area is 638 in² (4 116 cm²).

■ Optional Front Mounted Third Hoist Drum

The hydraulic winch is pinned to the front of the upper frame and is used in conjunction with a fleeting sheave and 3-sheave idler assembly to run the wire rope over the boom top section.

- Free-spooling capability for pile driving applications or auxiliary hoist line for luffer applications.
- 12.75" (0.32m) root diameter
- 22.75" (0.58m) flange diameter
- 17" (0.43m) width
- Mounted on anti-friction bearings

■ Boom Hoist Drum

Contains a pilot controlled, bi-directional, axial piston motor and a planetary gear reduction unit to provide positive control under all load conditions.

- Spring applied, hydraulically released, disc type brake controlled automatically
- 3/4" (19mm) grooved lagging
- Drum pawl controlled automatically
- Mounted on anti-friction bearings
- 19.84" (0.50m) root diameter
- 33.86" (0.86m) flange diameter
- 9.82" (0.25m) width



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CONSTRUCTION EQUIPMENT

■ Swing System

Pilot controlled bi-directional axial piston motors and the planetary gear reduction unit to provide positive control under all load conditions.

- Spring applied, hydraulically released, 360 degree multi-plate brake
- Free swing mode when lever is in neutral position
- Four position positive house lock
- Two-speed swing
- Audio/Visual swing alarm
- Maximum swing speed is 2.4 rpm

■ Upper Counterweight

Consist of a two piece design that can be easily lowered to the ground using the gantry.

- 25,350 lbs. (11 499kg) "A" upper counterweight
- Optional – 25,350 lbs. (11 499kg) "B" upper counterweight can be added to maximize capacities

■ Operator's Cab and Controls

Fully enclosed modular steel compartment is independently mounted and insulated to protect against vibration and noise.

- All tinted/tempered safety glass
- Sliding entry door and front window
- Swing up roof window with wiper
- Door and window locks
- Heater with circulating fan
- Air Conditioner
- Sun visor

- Engine instrumentation panel (tachometer, voltmeter, engine oil pressure, engine water temperature, fuel level, hydraulic oil temperature, hour meter and service monitor system)
- Electronic drum rotation indicators for front and rear hoist drums
- Six way adjustable seat
- Dry chemical fire extinguisher
- Hand and foot throttle
- Fully adjustable single axis arm chair controls
- Swing lever with swing brake and horn located on handle
- Bubble type level
- Ergonomic gauge layout
- Control shut off lever

(continued on page 7)

■ Load Indicator / Rated Capacity Limiter

Standard Equipment – PAT EI-65 load indicator provides two lineriders, angle sensor, computer, display, and anti-two block equipment to provide the following information.

- Boom length & angle
- Jib length & angle
- Load on hook
- Load radius
- Tip height
- Anti-two block warning & function limiters
- Operation mode
- Operator settable alarms provide audio/visual warning

Optional Equipment – PAT DS-350 rated capacity limiter, with graphic display, provides all the same equipment and features of the standard EI-65 in conjunction with the following features.

- Provides an audio/visual warning when the load on hook is within 90% of the cranes rated load.
- Provides an audio/visual warning and limits functions when the load on hook is at 100% of the cranes rated load.

Note: The DS-350 function limiters are activated for anti-two block and overload conditions. These limiters are designed to prevent hoist up on front and rear drums and boom down.

■ Additional Equipment – Standard

- 71.02" (1.80m) outside diameter turn-table bearing
- Right and Left side removable catwalks
- 119 US Gallon (450.4L) fuel tank (usable quantity)
- Machine lifting links

■ Additional Equipment – Optional

- Rud-o-matic® model 648 tagline winder
- Full revolving type Fairleader with barrel, sheaves, and guide rollers.

Optional Equipment – PAT DS-350 rated capacity limiter, with graphic display, provides all the same equipment and features of the standard EI-65 in conjunction with the following features.

- Provides an audio/visual warning when the load on hook is within 90% of the cranes rated load.
- Provides an audio/visual warning and limits functions when the load on hook is at 100% of the cranes rated load.

Note: The DS-350 function limiters are activated for anti-two block and overload conditions. These limiters are designed to prevent hoist up on front and rear drums and boom down.



LS-218H II Load Hoisting Performance

Available line speed and line pull – based on Mitsubishi 6D24-TEB at 2,000 rpm full load speed. Line pulls are not based on wire rope strength. See Wire Rope Capacity Chart for maximum permissible single part of line working loads.

Rope Layer	Front or Rear Drum – 1" (25.4 mm) Wire Rope											
	Maximum Line Pull		No Load Line Speed		Full Load Line Speed		Pitch Diameter		Layer		Total	
	lb	kg	ft/min	m/min	ft/min	m/min	in	mm	ft	m	ft	m
1	55,844	25 331	200	61.0	69	21.1	22.5	571	132	40.1	132	40.1
2	51,284	23 262	218	66.4	75	23.0	24.5	622	143	43.7	275	83.8
3	47,413	21 507	236	71.9	82	24.9	26.5	673	155	47.2	430	131.0
4	44,086	19 997	254	77.3	88	26.7	28.5	724	167	50.8	596	181.9
5	41,194	18 686	271	82.7	94	28.6	30.5	775	178	54.4	775	236.2
6	38,659	17 536	289	88.1	100	30.5	32.5	825	190	57.9	965	294.2
7	Storage layer only						34.5	876	202	61.5	1,167	355.7

Rope Layer	Boom Hoist Drum – 3/4" (19mm) Wire Rope											
	Maximum Line Pull		No Load Line Speed		Full Load Line Speed		Pitch Diameter		Layer		Total	
	lb	kg	ft/min	m/min	ft/min	m/min	in	mm	ft	m	ft	m
1	38,722	17 564	128	38.9	58	17.7	20.6	523	64	19.5	64	19.5
2	36,093	16 371	137	41.7	62	18.9	22.1	561	69	21.0	133	40.5
3	33,798	15 331	146	44.5	66	20.2	23.6	599	73	22.4	206	62.9
4	31,777	14 414	155	47.4	71	21.5	25.1	637	78	23.8	284	86.7
5	29,985	13 601	165	50.2	75	22.8	26.6	675	83	25.2	367	111.9
6	28,384	12 875	174	53.0	79	24.1	28.1	714	87	26.6	454	138.5
7	26,945	12 222	183	55.9	83	25.4	29.6	752	92	28.1	546	166.6
8	25,645	11 633	193	58.7	87	26.7	31.1	790	97	29.5	643	196.1

Rope Layer	Front Mounted Third Drum – 3/4" (19mm) Wire Rope											
	Maximum Line Pull		No Load Line Speed		Full Load Line Speed		Pitch Diameter		Layer		Total	
	lb	kg	ft/min	m/min	ft/min	m/min	in	mm	ft	m	ft	m
1	23,000	10 433	160	48.8	102	31.1	13.5	343	80	24.4	80	24.4
2	20,700	9 389	178	54.2	114	34.7	15	381	89	27.1	169	51.5
3	18,820	8 537	196	59.7	125	38.1	16.5	419	98	29.9	267	81.4
4	17,250	7 824	214	65.2	137	41.7	18	457	107	32.6	374	114.0
5	15,925	7 223	232	70.7	148	45.1	19.5	495	116	35.4	490	149.4
6	14,785	6 706	249	75.9	160	48.8	21	533	124	37.8	614	187.1

Wire Rope Application	Diameter		Length		Type	Maximum Permissible Load	
	in	mm	ft	m		lbs	kg
Boom Hoist	3/4	19	550	167	AC	20,857	9 461
Front Hoist	1	25.4	700	213	DB	29,500	13 380
Front Hoist (Optional)	1	25.4	700	213	CC	30,760	13 952
Rear Hoist (Optional)	1	25.4	650	198	RB	22,760	10 324
Third Drum (Optional)	3/4	19	385	117	DB	16,800	7 620

Rope Type	Description
DB	6 x 26 (6 X 19 Class) – Warrington Seale – Extra Improved Plow Steel – Preformed – Right Lay – Regular Lay – I.W.R.C.
RB*	19 x 19 Rotation Resistant – Extra Improved Plow Steel – Preformed – Right Lay – Regular Lay – Swaged – SF=5.1
CC	36 x 7 – Non-rotating – Extra-Extra Improved Plow Steel – Right Lay – Regular Lay – S.F.=5.1
AC	9 x 40 Strand, Post Formed, Swaged – Constructex – Crush Resistant
* – Use of swivel ball is not recommended.	



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CONSTRUCTION EQUIPMENT

Lower Structure

■ Lower Frame

All welded box construction frame with precision-machined surfaces for turntable bearing and rotating joint.

- 10'-8" (3.25m) overall width
- 11'-11" (3.6m) overall length

■ Treadmembers

All welded, precision-machined, steel frames can be hydraulically extended and retracted by a hydraulic cylinder mounted in the lower frame.

- 14'-6" (4.42m) extended gauge
- 9' (2.74m) retracted gauge
- 20'-11" (6.37m) overall length
- 36" (0.9m) wide track shoes
- 11 sealed (oil filled) track rollers per treadmember
- Sealed (oil filled) idler and drive planetaries
- Compact travel drives
- Hydraulic adjusting tracks

Travel and Steering — Each treadmember contains a pilot controlled, bi-directional, axial piston motor and a planetary gear reduction unit to provide positive control under all load conditions.

- Individual control provides smooth, precise maneuverability including full counter-rotation.
- Spring applied, hydraulically released disc type brake controlled automatically.
- Maximum travel speed is 0.90 mph (1.45km/h).
- Designed to 30% gradeability.

■ Carbody Jacks

System contains four hydraulic cylinders individually mounted on swing out beams.

- Individual controls are mounted on carbody.
- Minimum height of carbody when resting on pontoons is 16" (0.41m).
- Maximum height of carbody when resting on pontoons is 42" (1.07m).



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CONSTRUCTION EQUIPMENT

Link-Belt Construction Equipment Company

Lexington, Kentucky

www.linkbelt.com

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LS-218H II

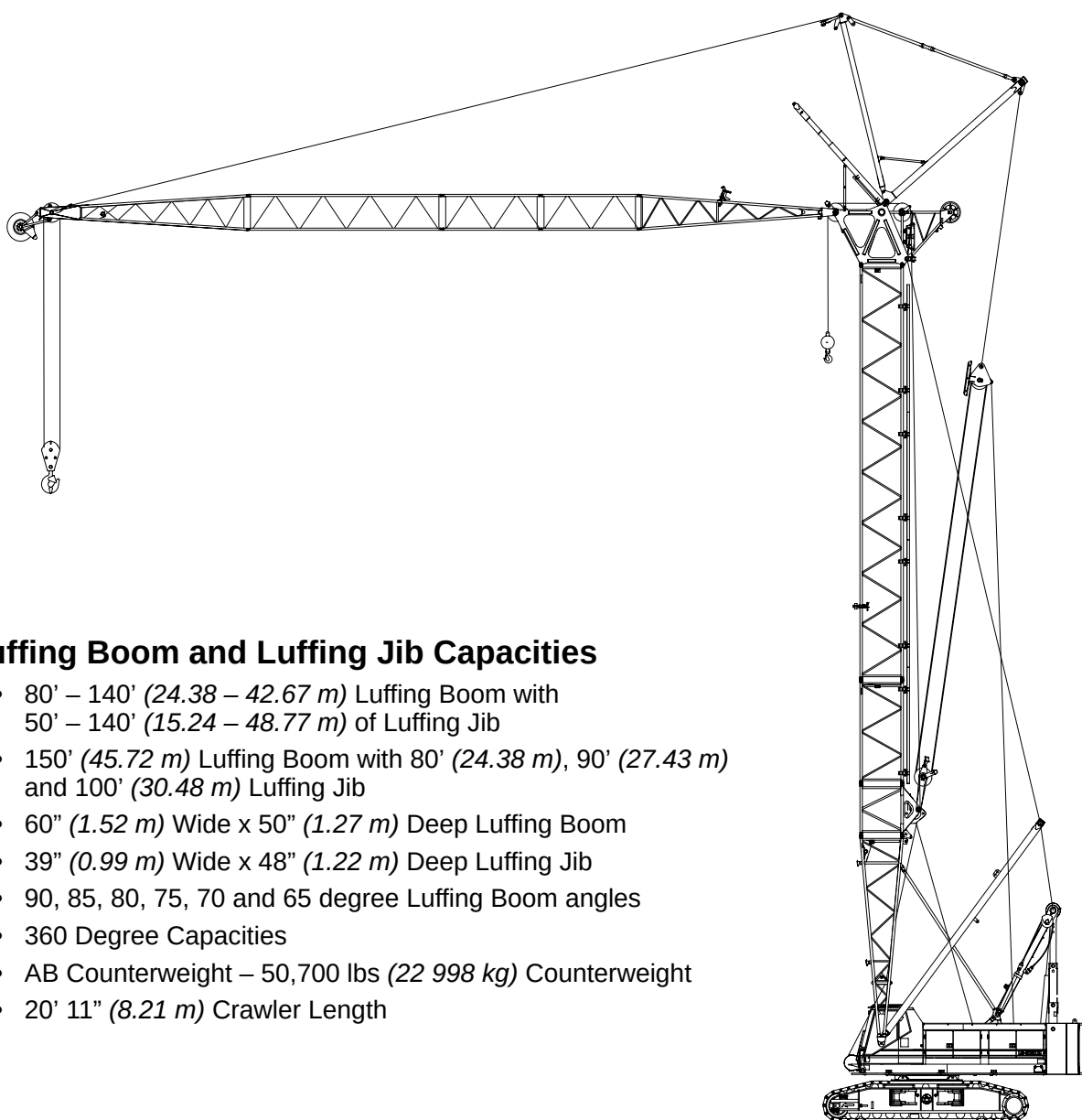
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Lifting Capacities

Lattice Boom Crawler Crane with Luffing Attachment

LS-218H II 25-ton (22.67 metric ton) HYLAB Series



Luffing Boom and Luffing Jib Capacities

- 80' – 140' (24.38 – 42.67 m) Luffing Boom with 50' – 140' (15.24 – 48.77 m) of Luffing Jib
- 150' (45.72 m) Luffing Boom with 80' (24.38 m), 90' (27.43 m) and 100' (30.48 m) Luffing Jib
- 60" (1.52 m) Wide x 50" (1.27 m) Deep Luffing Boom
- 39" (0.99 m) Wide x 48" (1.22 m) Deep Luffing Jib
- 90, 85, 80, 75, 70 and 65 degree Luffing Boom angles
- 360 Degree Capacities
- AB Counterweight – 50,700 lbs (22 998 kg) Counterweight
- 20' 11" (8.21 m) Crawler Length

* – Nominal capacity rating may vary based on specification

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CONSTRUCTION EQUIPMENT



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 B30.5, SAE J987, and SAE J765 at date of manufacture.
5. For recommended reeving, parts of line, wire rope type, and wire rope inspection, see Wire Rope Capacity chart, Operator's Manual, and Parts Manual. Rated lifting capacities are based on correct reeving. Deduction must be made for excessive reeving. Any reeving over minimum required is considered excessive and must be accounted for when making lifts. Use Working Range Diagram to estimate the extra feet of wire rope included in reeving. Then consult Wire Rope Capacity chart to determine the weight per foot of wire rope type. Deduct this amount for each extra foot of wire rope before attempting to lift a load.
6. 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.
7. Rated lifting capacities do not account for the effects of wind on a suspended load or boom. Lifting capacities should be considered acceptable for wind speeds less than 25 MPH and appropriately reduced for wind speeds greater than 25 MPH. Extreme caution should be used when lifting heavy loads or loads with large wind sail area under high wind conditions (over 25 MPH). See Wind Restriction charts in this manual for appropriate capacity reductions.

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 120', the idlers/sprockets must be blocked with ramps.

2. Counterweights: All luffing attachment combinations require the Maximum Counterweight Combination (AB).
3. Refer to the Operator's Manual for instructions pertaining to assembly and raising and lowering of the attachment.
4. The 26 ft luffing boom live mast must be used for all capacities shown in this Crane Rating Manual.
5. Retractable high gantry must be pinned in raised position for all capacities in this manual.
6. The least stable rated condition is over the end with **unblocked** sprockets and idlers.
7. Refer to the enclosed charts for allowable attachment liftoff lengths and allowable working lengths at the various luffing boom angles.
8. 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.
9. When traveling with a load, refer to Job Site Travel Restrictions With A Load information and be sure to follow all of the guidelines listed in the Operator's Manual.
10. Only boom extensions with the "HP" designation may be used as part of the luffing boom.
11. When the 50' basic luffing jib is installed, the hook block and rigging must weigh a minimum of 1,800 lb to prevent the luffing jib from overhauling when operating near the minimum rated radius.

LUFFING ATTACHMENT OPERATION:

1. Capacities shown in this Crane Rating Manual 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.
2. When lifting from the auxiliary sheaves with the luffing 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.
3. Do not lift more than one load at a time.
4. The crane capacities marked with an asterisk (*) are based on structural strength. The crane capacities without asterisks are based on stability ratings.

LS-218H II
Luffing Attachment



CAPACITY DEDUCTIONS FOR AUXILIARY LOAD HANDLING EQUIPMENT

Lifting From Luffing Jib With:	Weight (lb)
15 Ton Hook Ball on Auxiliary Sheaves (see hook ball for actual weight)	750
60 Ton Hook Block on Auxiliary Sheaves (see hook block for actual weight)	1,200
Lifting From Auxiliary Sheaves With:	Weight (lb)
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)	1,200
Pendant Deflector (w/o Luffing Jib)	600
50' Luffing Jib	7,700
60' Luffing Jib	8,500
70' Luffing Jib	9,400
80' Luffing Jib	10,300
90' Luffing Jib	11,200
100' Luffing Jib	12,200
110' Luffing Jib	13,200
120' Luffing Jib	14,300
130' Luffing Jib	15,400
140' Luffing Jib	16,600

WIRE ROPE CAPACITY

Parts of Line	1"			3/4"
	Type "CC"	Type "RB"	Type "DB"	Type "DB"
1	30,760	22,700	29,500	16,800
2	61,520	45,400	59,000	33,600
3	92,280	68,100	88,500	50,400
4	123,040	90,800	118,000	67,200
5	153,800	113,500	147,500	84,000
6	184,560	136,200	177,000	100,800
7	215,320	158,900	206,500	117,600
8	246,080	181,600	236,000	134,400
Rope Wt./Length [lb/ft]	2.03	2.00	1.85	1.04
LBCE Type	Description			
DB	6 X 26 (6 X 19 Class) – Warrington Seale – Extra Improved Plow Steel – Preformed Right Lay – Regular Lay – IWRC			
RB	19 X 19 Rotation Resistant Compacted Strand – High Strength – Preformed, Right Regular Lay			
CC	36 x 7 Class – Non-Rotating – Extra Extra Improved Plow Steel – Right Lay – Regular Lay – S.F. = 5:1			
Notes:				
1. Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in this Crane Rating Manual.				
2. Study Operator's Manual for wire rope inspection procedures and single part of line operation.				

ROLLED OUT LIFTOFF CAPABILITIES

Luffing Boom Length		Luffing Jib Length	
ft	m	ft	m
80	24.4	50–140	15.2–42.7
90	27.4	50–140	15.2–42.7
100	30.5	50–140	15.2–42.7
110	33.5	50–140	15.2–42.7
120	36.6	50–140	15.2–42.7
*130	39.6	50–140	15.2–42.7
*140	42.7	50–140	15.2–42.7
**150	45.7	80–100	24.4–30.5

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
80	24.4	50–70	15.2–21.3	80	24.4	50–70	15.2–21.3
90	27.4	50–80	15.2–24.4	90	27.4	50–80	15.2–24.4
100	30.5	50–90	15.2–27.4	100	30.5	50–90	15.2–27.4
110	33.5	50–100	15.2–30.5	110	33.5	50–100	15.2–30.5
120	36.6	50–110	15.2–33.5	120	36.6	50–110	15.2–33.5
*130	39.6	50–120	15.2–36.6	*130	39.6	50–120	15.2–36.6
*140	42.7	50–130	15.2–39.6	*140	42.7	50–130	15.2–39.6
**150	45.7	80–100	24.4–30.5	—	—	—	—



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 ramps. Counterweights AB (50,700 lb) Upper must be installed.

** Erection of 150' (45.7m) Luffing boom combinations must be done over the front of the lower with the idlers blocked.

AUXILIARY SHEAVE NOTES

- Capacities are for a LS–218H II Crawler Crane with AB upper counterweight.
- 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.
- Capacities are limited to an LBCE 50" x 60" tubular boom with a luffing boom top.
- Capacities are for luffing boom lengths between 80 feet and 140 feet.
- The least stable condition is over the end with **unblocked** idlers and sprockets.
- All capacities are in kips (1,000 lb) and are not more than 75% of the tipping loads. The capacities followed by an asterisk are governed by factors other than those that would cause a tipping condition.
- The appropriate deduction must be taken if any luffing jib components are installed. See the Capacity Deductions for Auxiliary Load Handling Equipment for more information.
- 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.
- The luffing jib should be set to a 15 degree offset when using the auxiliary sheaves.

LS–218H II
Luffing Attachment



Link-Belt CONSTRUCTION EQUIPMENT

JOB SITE TRAVEL RESTRICTIONS WITH A LOAD

Guidelines:

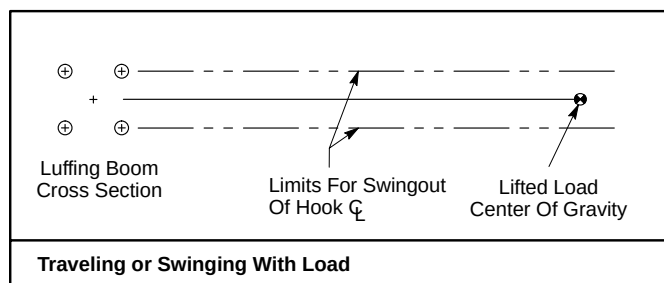
1. The travel surface must be firm and uniformly compacted. The travel surface must be capable of supporting the crane's ground bearing pressure under the exact crane configuration (including suspended load) being used.
2. Maximum crane gradeability (fore and aft) = 5%
3. Maximum crane list (side to side) = 1%
4. Travel with the crane upper in-line with the crawlers (straight over the end). Do not swing and travel at the same time. Do not hoist and travel at the same time. Operate all crane functions independently.
5. Travel with the travel drive motors towards the rear.
6. The swing lock must be engaged.
7. Travel with load must not be done under adverse weather conditions, or conditions of poor visibility.
8. The wind speed must be less than 10 mph. The suspended load's wind sail area can greatly increase the wind loading. Therefore, the operator shall reduce the load ratings to account for this condition.
9. Block and steer with the load suspended is the recommended method of turning the crane. Counter-rotating should only be used if no other options are available. Turning must be performed as smoothly as possible to reduce the amount of shock to the attachment.



CAUTION

Rapid movements of the crane can side load or shock load the luffing attachment. Perform all crane functions smoothly and slowly.

10. When traveling on a grade, position the counterweight up the grade and raise the luffing boom the corresponding angle (degrees) of the grade to be traveled.
11. When traveling or swinging with the load, the load must be kept within the outline of the luffing boom as shown below. Do not allow the load to swing outside imaginary lines drawn through each luffing boom cord.



Allowable Loads When Traveling

1. The luffing boom must be positioned at 80°, 75°, or 70° only, with the crane sitting on a level surface.
2. The luffing jib must be positioned between a 30° and 60° angle.
3. The crane may be traveled with a load with any luffing boom attachment up to the maximum lengths listed below. There must be a rating listed on the 360 Degree capacity chart (Section 4) for the angles listed above. The luffing boom and luffing jib must be positioned at the proper angles listed in the capacity chart.

Luffing Boom Lengths	Luffing Jib Lengths
80' – 120'	50' – 100'

4. **Travel with up to 75% of the rated capacity is permitted.**
5. The load must be suspended from either the auxiliary sheaves or the luffing jib sheaves.
6. Refer to the Operator's Manual for more information.

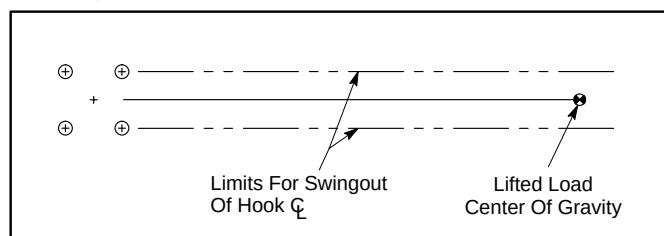
JOB SITE TRAVEL RESTRICTIONS WITHOUT A LOAD

1. 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.
2. Travel is prohibited at luffing boom angles greater than 85 degrees.
3. 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.



WIND SPEED RESTRICTIONS

1. Failure to follow these wind speed restrictions may result in structural failure of the luffing attachment, or loss of stability, which would cause property damage and/or bodily injury.
2. **It is the responsibility of the user to take into account the effects of the wind force on the hook load.** When hoisting any load in windy conditions, the load wind sail area and load control-ability must be considered for safe crane operation. The suspended load's wind sail area can greatly increase the wind loading. Only the user is cognizant of the suspended load's wind sail area.
3. Do not allow the load to swing outside imaginary lines drawn through each luffing boom chord during all crane functions.
4. **Wind speed is to be determined at the luffing boom cap (or higher).** A wind speed indicator is supplied with the luffing attachment to measure the wind velocity. Do not rely on local weather forecasts for wind velocity. **Wind velocity increases with height and may be much higher at the luffing boom cap than on the ground.**



5. The wind velocity limitations listed in the table are based on maximum allowable wind gusts (instantaneous wind velocity). When in doubt, use the next higher wind velocity range.

WIND SPEED CHART

WIND SPEED CHART	
Luffing Boom Lengths: 80' (24.4m) to 110' (33.5m) Luffing Jib Lengths: 50' (15.2m) to 100' (30.5m)	WIND SPEED
1. Normal Lifting Operation. (Refer To Crane Rating Manual)	0-25 mph 0-40.2kmh
2. Reduced Operation. Capacities Must Be Reduced By 50%.	26-40 mph 41.8-64.4kmh
3. No Operation. Store Attachment On Ground.	Over 40 mph Over 64.4kmh
4. Job Site Travel. (Refer To Job Site Travel Restrictions)	0-15 mph 0-24.1kmh
Luffing Boom Lengths: 120' (36.6m) to 150' (45.7m) Luffing Jib Lengths: 110' (33.5m) to 140' (42.7m)	WIND SPEED
1. Normal Lifting Operation. (Refer To Crane Rating Manual)	0-25 mph 0-40.2kmh
2. No Operation. Store Attachment.	26-40 mph 41.8-64.4kmh
3. No Operation. Store Attachment On Ground.	Over 40 mph Over 64.4kmh
4. Job Site Travel. (Refer To Job Site Travel Restrictions)	0-15 mph 0-24.1kmh

6. To minimize the side load due to wind on the attachment, whenever possible, position the crane so the wind is blowing toward the rear of the attachment.
7. If the wind is expected to be such that the preceeding set of restrictions cannot be complied with or job site conditions will prevent the lowering of the luffing jib and luffing boom, consult the Link-Belt Service Department before the luffing boom attachment is assembled.

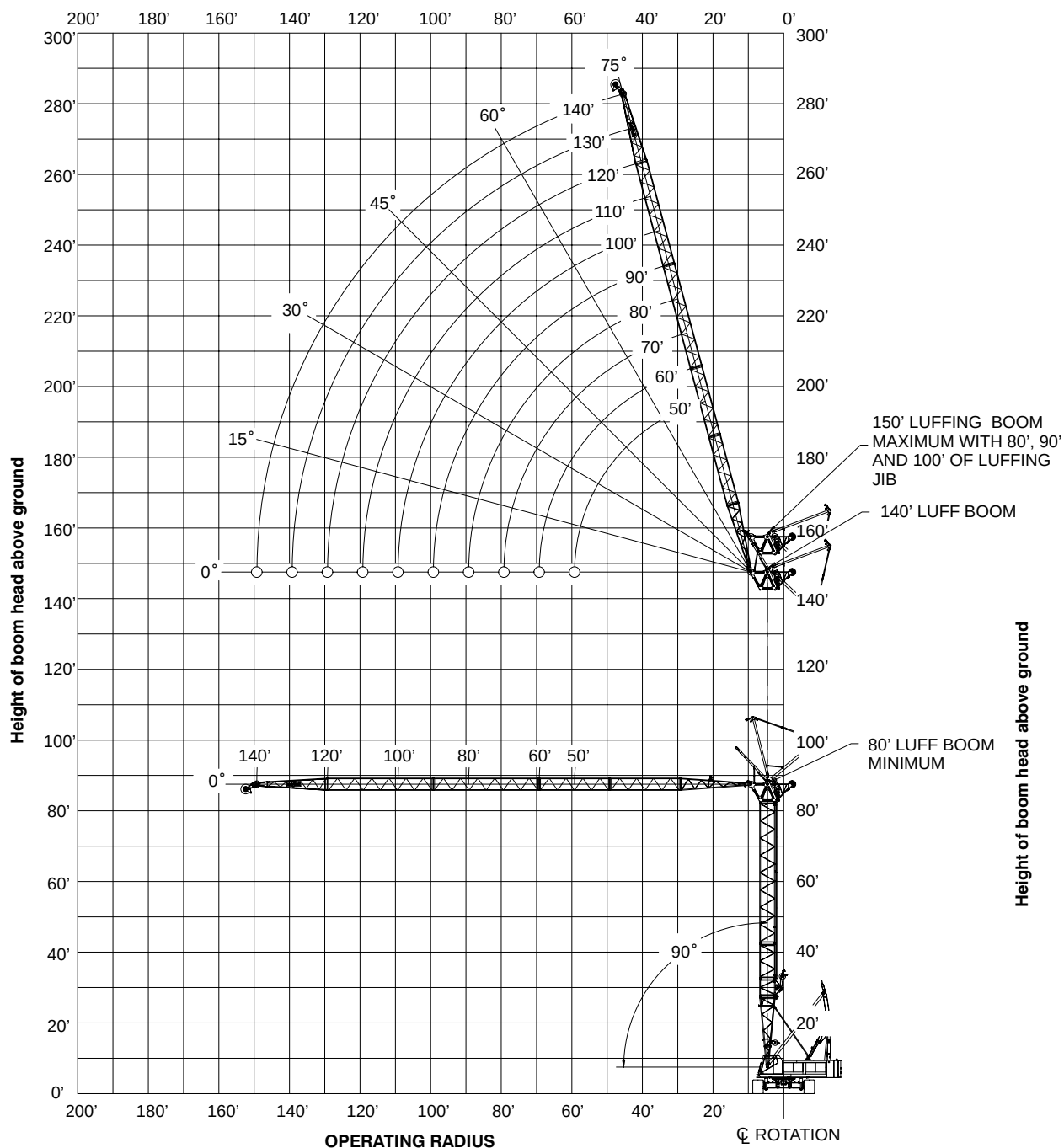
CRANE ASSEMBLY COMPONENT WEIGHTS

Component	Weight	
	lb.	kg
1. 30' Luffing Boom Base Section	1,846	837
• 3rd Drum Fleeting Sheave Assembly	311	141
2. Luffing Boom Extensions (without Bridle Guide Rails and Pendants)		
• 10' Luffing Boom Extension Assembly	631	286
• 20' Luffing Boom Extension Assembly	1,066	484
• 30' Luffing Boom Extension Assembly	1,502	681
• 40' Luffing Boom Extension Assembly	1,936	878
3. Pendants		
• 1-1/4" Diameter X 10' Long, Type "N" (Each)	82	37
• 1-1/4" Diameter X 20' Long, Type "N" (Each)	109	49
• 1-1/4" Diameter X 30' Long, Type "N" (Each)	137	62
• 1-1/4" Diameter X 40' Long, Type "N" (Each)	164	74
• 1-3/8" Diameter X 10' Long, Type "N" (Each)	106	48
• 1-3/8" Diameter X 20' Long, Type "N" (Each)	139	63
• 1-3/8" Diameter X 30' Long, Type "N" (Each)	172	78
• 1-3/8" Diameter X 40' Long, Type "N" (Each)	206	93
4. 5' Bail Anchor Section	1,522	690
5. Luffing Jib Bail Assembly	768	348
6. Luffing Jib Bridle Assembly	509	231
7. Luffing Jib Bridle Guide Rails		
• 20' Rail (Each)	158	72
• 30' Rail (Each)	239	108
• Crossmember Support Assembly (Each)	64	29
8. 5' Luffing Boom Cap Assembly (w/out pendant deflector and w/out luffing jib backstops)	2,296	1 041
9. Pendant Deflector Assembly	563	255
• Luffing Jib Backstops	1,029	467
10. Fan Post Assembly	2,660	1 207
11. 10' Luffing Jib Base Assembly	807	366
12. Luffing Jib Extensions		
• 10' Luffing Jib Extension Assembly	331	150
• 20' Luffing Jib Extension Assembly	539	244
• 30' Luffing Jib Extension Assembly	795	361
13. 20' Luffing Jib Tip Section Assembly (with Nose Wheel)	1,958	888
14. Upper Counterweights		
• Counterweight "A"	25,350	11 499
• Counterweight "B"	25,350	11 499
15. Side Frames	23,561	10 687
16. 3rd Drum		
• Without Rope	945	429
• With Rope	1,517	688

LS-218H II
Luffing Attachment

WORKING RANGE DIAGRAM

90° LUFFING BOOM ANGLE – 360° LUFFING JIB

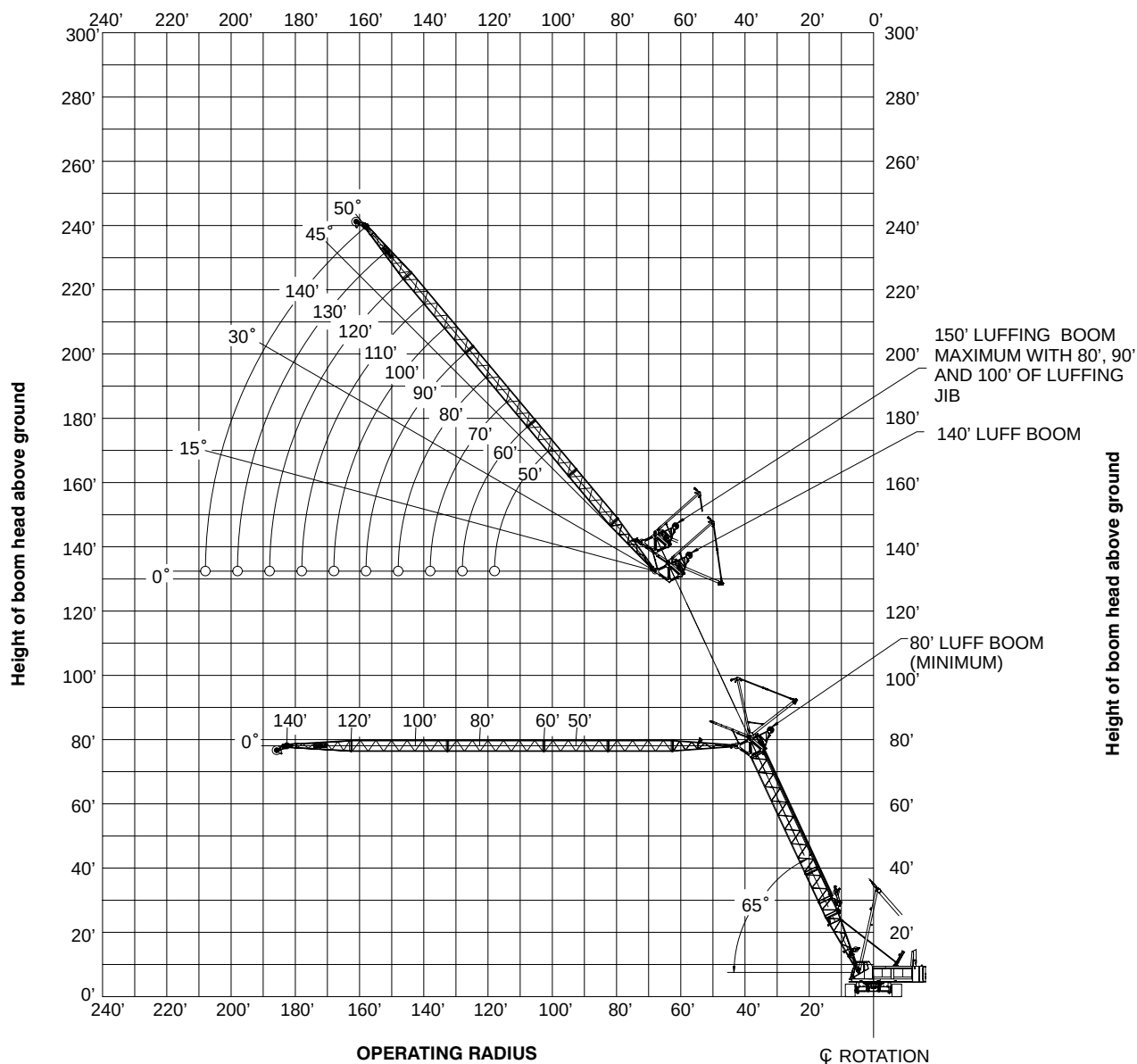


Notes:

1. 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.
2. Maximum and minimum luffing jib angles are equal to the values listed in the Capacity Chart for each boom length.
3. Refer to the Capacity Charts for allowable luffing boom and luffing jib combinations.

WORKING RANGE DIAGRAM

65° LUFFING BOOM ANGLE – 360° LUFFING JIB



Notes:

1. 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.
2. Maximum and minimum luffing jib angles are equal to the values listed in the Capacity Chart for each boom length.
3. Refer to the Capacity Charts for allowable luffing boom and luffing jib combinations.

LS-218H II 360 Degree Capacities - Luffing Jib											
50" x 60" Luffing Boom, 39" x 48" Luffing Jib, AB Counterweight											
Luffing Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)							Load Radius (ft)		
			90°	85°	80°	75°	70°	65°			
Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)			
80	50	22	50.0	*							22
80	50	25	46.5	*							25
80	50	30	41.8	*							30
80	50	33		44.8	*						33
80	50	35	38.2	*	43.2	*					35
80	50	40	36.4	*	39.1	*					40
80	50	44			40.7						44
80	50	50	34.8	*	34.1	*	34.9				50
80	50	55				29.8					55
80	50	59	26.7	*							59
80	50	60		29.2	28.0	26.8					60
80	50	65					23.2				65
80	50	66		25.7							66
80	50	70			23.1	22.1	21.1				70
80	50	73			21.8						73
80	50	75						18.6			75
80	50	80				18.7	17.9	17.1			80
80	50	86					16.1				86
80	50	90						14.7			90
80	50	93						14.1			93
80	80	30	35.3	*							30
80	80	35	32.9	*							35
80	80	40	28.5	*							40
80	80	44		32.0	*						44
80	80	50	24.9	*	27.0	*					50
80	80	57			26.7	*					57
80	80	60	21.8	*	23.6	*	25.7	*			60
80	80	70	19.1	*	21.0	*	22.5	*	21.6		70
80	80	80	16.8	*	18.5	*	19.2		18.2		80
80	80	82					16.7				82
80	80	89	14.7	*							89
80	80	90		16.3	*	16.5	15.7	14.9			90
80	80	94						13.3			94
80	80	96		15.0	*						96
80	80	100			14.4	13.7	13.0	12.3			100
80	80	103			13.8						103
80	80	110				12.1	11.5	10.9			110
80	80	116					10.6				116
80	80	120						9.6			120
80	80	123						9.3			123
80	110	38	22.3	*							38
80	110	40	21.7	*							40
80	110	50	19.0	*							50
80	110	54		19.6	*						54
80	110	60	16.8	*	18.1	*					60
80	110	70	14.8	*	16.0	*	17.2	*			70
80	110	80	13.0	*	14.2	*	15.2	*			80
80	110	85				15.4	*				85
80	110	90	11.4	*	12.6	*	13.6	*	14.5	*	90
80	110	99						12.5			99
80	110	100	10.1	*	11.1	*	12.1	*	13.0	*	100
80	110	110	8.8	*	9.7	*	10.7	*	11.6		110
80	110	113							9.9		113
80	110	119	7.6	*							119
80	110	120		8.5	*	9.5	*	10.3		9.7	120
80	110	126		7.8	*						126
80	110	130			8.3	*	9.2	*	8.7		130
80	110	133			7.9	*					133
80	110	140				8.1	*	7.8		7.3	140



LS-218H II 360 Degree Capacities - Luffing Jib												
50" x 60" Luffing Boom, 39" x 48" Luffing Jib, AB Counterweight												
Luffing Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)										
			90°	85°	80°	75°	70°	65°				
			Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)				
80	110	146					7.3					146
80	110	150						6.5				150
80	110	153						6.3				153
80	140	46	14.8	*								46
80	140	50	13.9	*								50
80	140	60	12.2	*								60
80	140	64			12.5	*						64
80	140	70	10.8	*	11.6	*						70
80	140	80	9.5	*	10.2	*						80
80	140	82			10.6	*						82
80	140	90	8.3	*	9.0	*						90
80	140	100	7.2	*	7.9	*	8.5	*				100
80	140	110	6.2	*	6.9	*	7.5	*				110
80	140	117						7.9	*			117
80	140	120	5.3	*	6.0	*	6.6	*	7.1	*	7.6	120
80	140	130	4.5	*	5.1	*	5.7	*	6.3	*	6.8	130
80	140	133								6.9	*	133
80	140	140	3.8	*	4.3	*	4.9	*	5.5	*	6.0	140
80	140	149	3.1	*								149
80	140	150			3.6	*	4.2	*	4.7	*	5.3	150
80	140	156			3.2	*						156
80	140	160				3.5	*	4.1	*	4.6	*	160
80	140	163				3.3	*					163
80	140	170					3.4	*	3.9	*	4.4	170
80	140	176						3.6	*			176
80	140	180								3.8	*	180
80	140	183								3.7	*	183
100	80	30	33.9	*								30
100	80	35	31.8	*								35
100	80	40	27.7	*								40
100	80	45			28.6	*						45
100	80	50	24.3	*	26.9	*						50
100	80	60	21.3	*	23.7	*	25.9	*				60
100	80	70	18.8	*	21.0	*	22.1					70
100	80	75					19.0					75
100	80	80	16.5	*	18.5	*	18.7					80
100	80	89	14.5	*					14.2			89
100	80	90			16.4	*	16.1		15.1		14.0	90
100	80	98			14.7	*						98
100	80	100				14.1		13.2		12.2		100
100	80	102									11.0	102
100	80	107				12.9						107
100	80	110					11.6		10.8		10.0	110
100	80	115					10.9					115
100	80	120							9.6		8.9	120
100	80	123							9.2			123
100	80	130									7.9	130
100	80	131									7.8	131
100	110	38	21.4	*								38
100	110	40	20.9	*								40
100	110	50	18.4	*								50
100	110	56			18.8	*						56
100	110	60	16.3	*	17.8	*						60
100	110	70	14.4	*	15.8	*						70
100	110	73				16.6	*					73
100	110	80	12.7	*	14.1	*	15.3	*				80
100	110	90	11.1	*	12.5	*	13.7	*	14.5			90
100	110	100	9.8	*	11.0	*	12.2	*	12.6			100



LS-218H II 360 Degree Capacities - Luffing Jib												
50" x 60" Luffing Boom, 39" x 48" Luffing Jib, AB Counterweight												
Luffing Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)										
			90°		85°		80°		75°		70°	
			Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)	
100	110	106									10.7	
100	110	110	8.6	*	9.7	*	10.8	*	11.1		10.2	
100	110	119	7.4	*								
100	110	120			8.5	*	9.6	*	9.8		9.0	
100	110	122										8.1
100	110	128			7.6	*						
100	110	130					8.5	*	8.8		8.0	7.3
100	110	137					7.7	*				
100	110	140							7.9		7.2	6.6
100	110	145							7.4			
100	110	150									6.5	5.9
100	110	153									6.2	
100	110	160										5.3
100	110	161										5.2
100	140	46	14.1	*								
100	140	50	13.3	*								
100	140	60	11.7	*								
100	140	66			11.9	*						
100	140	70	10.4	*	11.3	*						
100	140	80	9.1	*	10.0	*						
100	140	86					10.2	*				
100	140	90	8.0	*	8.8	*	9.7	*				
100	140	100	6.9	*	7.8	*	8.6	*				
100	140	105							8.8	*		
100	140	110	6.0	*	6.8	*	7.6	*	8.2	*		
100	140	120	5.1	*	5.9	*	6.7	*	7.3	*		
100	140	124									7.6	*
100	140	130	4.3	*	5.1	*	5.8	*	6.5	*	7.0	*
100	140	140	3.6	*	4.3	*	5.0	*	5.7	*	6.3	*
100	140	141										5.9
100	140	149	3.0	*								
100	140	150			3.6	*	4.3	*	4.9	*	5.6	*
100	140	158			3.1	*						
100	140	160					3.6	*	4.2	*	4.8	*
100	140	167					3.2	*				
100	140	170							3.6	*	4.2	*
100	140	175							3.3	*		
100	140	180									3.6	*
100	140	183									3.4	*
100	140	190										3.4
100	140	191										3.3
120	50	22	48.0	*								
120	50	25	45.2	*								
120	50	30	41.0	*								
120	50	35	37.7	*								
120	50	37			44.1	*						
120	50	40	36.1	*	41.4	*						
120	50	50	34.3	*	35.1	*						
120	50	51					32.3					
120	50	59	25.4	*								
120	50	60			28.7		26.7					
120	50	65						22.3				
120	50	70			23.7		22.1		20.4			
120	50	79								16.3		
120	50	80					18.6		17.3	15.9		
120	50	90						14.8		13.7		
120	50	92									12.3	
120	50	100								11.9	10.9	
120	50	110									9.6	



LS-218H II 360 Degree Capacities - Luffing Jib															
50" x 60" Luffing Boom, 39" x 48" Luffing Jib, AB Counterweight															
Luffing Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)											Load Radius (ft)		
			90°		85°		80°		75°		70°			65°	
			Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		Capacity (kips)		
120	80	30	32.3	*											30
120	80	35	28.3	*											35
120	80	40	26.7	*											40
120	80	47			27.5	*									47
120	80	50	23.6	*	26.5	*									50
120	80	60	20.7	*	23.5	*									60
120	80	64					24.1								64
120	80	70	18.3	*	20.8	*	21.5								70
120	80	80	16.1	*	18.4	*	18.2		16.6						80
120	80	89	14.2	*											89
120	80	90			16.3	*	15.7		14.4						90
120	80	96								12.0					96
120	80	100			14.4	*	13.7		12.5	11.4					100
120	80	110					12.0		11.0	10.0					110
120	80	111										8.9			111
120	80	120						9.8		8.9		8.0			120
120	80	130								7.9		7.1			130
120	80	140										6.3			140
120	110	38	20.4	*											38
120	110	40	19.9	*											40
120	110	50	17.6	*											50
120	110	57			18.0	*									57
120	110	60	15.7	*	17.4	*									60
120	110	70	13.8	*	15.5	*									70
120	110	76					15.9	*							76
120	110	80	12.2	*	13.8	*	15.3	*							80
120	110	90	10.8	*	12.3	*	13.7	*							90
120	110	95							12.7						95
120	110	100	9.5	*	10.9	*	12.3	*	11.9						100
120	110	110	8.3	*	9.6	*	10.9	*	10.4						110
120	110	113								9.0					113
120	110	119	7.2	*											119
120	110	120			8.5	*	9.7	*	9.3	8.3					120
120	110	130			7.4	*	8.6	*	8.2	7.3		6.5			130
120	110	140					7.5	*	7.4	6.6		5.8			140
120	110	150							6.6	5.9		5.1			150
120	110	160								5.3		4.6			160
120	110	170										4.1			170
120	140	46	13.3	*											46
120	140	50	12.6	*											50
120	140	60	11.1	*											60
120	140	68			11.3	*									68
120	140	70	9.9	*	11.0	*									70
120	140	80	8.7	*	9.7	*									80
120	140	89					9.7	*							89
120	140	90	7.6	*	8.6	*	9.6	*							90
120	140	100	6.6	*	7.6	*	8.5	*							100
120	140	110	5.7	*	6.7	*	7.5	*	8.3	*					110
120	140	120	4.9	*	5.8	*	6.7	*	7.4	*					120
120	140	130	4.1	*	5.0	*	5.8	*	6.6	*	6.7				130
120	140	140	3.5	*	4.2	*	5.0	*	5.9	*	6.0				140
120	140	149	2.8	*											149
120	140	150			3.6	*	4.3	*	5.1	*	5.3		4.5		150
120	140	160			2.9	*	3.7	*	4.4	*	4.7		4.0		160
120	140	170					3.0	*	3.7	*	4.2		3.5		170
120	140	180							3.2	*	3.8		3.1		180
120	140	190									3.2	*	2.8		190
120	140	200											2.5		200



LS-218H II 360 Degree Capacities - Luffing Jib												
50" x 60" Luffing Boom, 39" x 48" Luffing Jib, AB Counterweight												
Luffing Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)										
			90°	85°	80°	75°	70°	65°				
			Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Load Radius (ft)
140	50	22	43.3	*								22
140	50	25	41.8	*								25
140	50	30	39.3	*								30
140	50	35	36.9	*								35
140	50	38			40.1	*						38
140	50	40	35.0	*	39.4	*						40
140	50	50	31.0	*	34.3	*						50
140	50	55			29.1							55
140	50	59	23.9	*								59
140	50	60			28.4		26.0					60
140	50	70			23.4		21.4	19.3				70
140	50	71			22.1	*						71
140	50	80			18.1		16.5					80
140	50	84			17.1							84
140	50	86						13.6				86
140	50	90					14.1	12.7				90
140	50	95					13.0					95
140	50	100						11.1	9.8			100
140	50	107						10.0				107
140	50	110							8.6			110
140	50	118							7.7			118
140	80	30	28.6	*								30
140	80	35	27.0	*								35
140	80	40	25.6	*								40
140	80	49			26.2	*						49
140	80	50	22.7	*	25.8	*						50
140	80	60	20.0	*	22.9	*						60
140	80	67			21.9							67
140	80	70	17.7	*	20.5	*	20.8					70
140	80	80	15.7	*	18.2	*	17.6					80
140	80	85					14.5					85
140	80	89	13.8	*								89
140	80	90			16.2	*	15.2	13.6				90
140	80	100			14.3	*	13.2	11.8				100
140	80	101			14.0	*						101
140	80	103						10.0				103
140	80	110			11.6		10.4	9.1				110
140	80	114			11.1							114
140	80	119							7.0			119
140	80	120					9.2	8.1	7.0			120
140	80	125					8.6					125
140	80	130						7.2	6.2			130
140	80	137						6.6				137
140	80	140							5.5			140
140	80	148							5.0			148
140	110	38	19.2	*								38
140	110	40	18.8	*								40
140	110	50	16.7	*								50
140	110	59			17.0	*						59
140	110	60	14.9	*	16.8	*						60
140	110	70	13.2	*	15.0	*						70
140	110	80	11.7	*	13.4	*	15.1	*				80
140	110	90	10.4	*	12.0	*	13.5	*				90
140	110	100	9.1	*	10.6	*	12.2	*	11.1			100
140	110	110	8.0	*	9.4	*	10.9	*	9.8			110
140	110	119	7.0	*								119
140	110	120			8.3	*	9.7	*	8.6	7.4		120
140	110	130			7.3	*	8.6	*	7.7	6.6		130



LS-218H II 360 Degree Capacities - Luffing Jib												
50" x 60" Luffing Boom, 39" x 48" Luffing Jib, AB Counterweight												
Luffing Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)										
			90°	85°	80°	75°	70°	65°				
			Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)				
140	110	131		7.1	*							131
140	110	139						5.0				139
140	110	140			7.6	*	6.9	5.9	4.9			140
140	110	144			7.2	*						144
140	110	150					6.2	5.2	4.3			150
140	110	155					5.8					155
140	110	160						4.7	3.8			160
140	110	167						4.3				167
140	110	170							3.4			170
140	110	178							3.1			178
140	140	46	12.5	*								46
140	140	50	11.8	*								50
140	140	60	10.5	*								60
140	140	69		10.6	*							69
140	140	70	9.3	*	10.6	*						70
140	140	80	8.2	*	9.4	*						80
140	140	90	7.2	*	8.3	*						90
140	140	93			9.1	*						93
140	140	100	6.3	*	7.4	*	8.4	*				100
140	140	110	5.4	*	6.5	*	7.4	*				110
140	140	115				7.9	*					115
140	140	120	4.6	*	5.6	*	6.6	*	7.5	*		120
140	140	130	3.9	*	4.8	*	5.8	*	6.6	*		130
140	140	137						5.4				137
140	140	140	3.3	*	4.1	*	5.0	*	5.9	*	5.2	140
140	140	149	2.7	*								149
140	140	150			3.5	*	4.3	*	5.2	*	4.6	150
140	140	158								3.3		158
140	140	160			2.9	*	3.7	*	4.5	*	4.1	160
140	140	161			2.8	*					3.2	161
140	140	170				3.1	*	3.8	*	3.6	2.8	170
140	140	174				2.9	*					174
140	140	180					3.3	*	3.2		2.4	180
140	140	185					3.0	*				185
140	140	190							2.8		2.1	190
140	140	197							2.6			197
140	140	200								1.8		200
140	140	208								1.6		208
150	80	30	25.3	*								30
150	80	35	23.9	*								35
150	80	40	22.6	*								40
150	80	50	19.9	*	23.1	*						50
150	80	60	17.5	*	20.4	*						60
150	80	69			20.8							69
150	80	70	15.4	*	18.1	*	20.4					70
150	80	80	13.5	*	16.0	*	17.3					80
150	80	88					13.5					88
150	80	89	11.9	*								89
150	80	90			14.1	*	14.9		13.1			90
150	80	100			12.5	*	13.0		11.4			100
150	80	102			12.0	*						102
150	80	106						9.1				106
150	80	110				11.4		10.1	8.7			110
150	80	115				10.7						115
150	80	120					8.9		7.7			120
150	80	124								6.2		124
150	80	128					8.1					128
150	80	130						6.8		5.7		130
150	80	140						6.1		5.1		140

LS-218H II 360 Degree Capacities - Luffing Jib											
50" x 60" Luffing Boom, 39" x 48" Luffing Jib, AB Counterweight											
Luffing Length (ft)	Luffing Jib Length (ft)	Load Radius (ft)							Load Radius (ft)		
			90°	85°	80°	75°	70°	65°			
Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)	Capacity (kips)			
150	80	150						4.5			150
150	80	152						4.4			152
150	90	33	22.1	*							33
150	90	35	21.5	*							35
150	90	40	20.4	*							40
150	90	50	18.0	*							50
150	90	53		19.9	*						53
150	90	60	15.9	*	18.3	*					60
150	90	70	14.0	*	16.3	*					70
150	90	73			17.9	*					73
150	90	80	12.3	*	14.5	*	16.6	*			80
150	90	90	10.8	*	12.8	*	14.7				90
150	90	93				12.4					93
150	90	99	9.5	*							99
150	90	100		11.3	*	12.8	11.2				100
150	90	110		9.9	*	11.3	9.8				110
150	90	112		9.6	*		8.2				112
150	90	120			10.0	8.7	7.5				120
150	90	125			9.3						125
150	90	130				7.8	6.6	5.5			130
150	90	138				7.1					138
150	90	140					5.9	4.9			140
150	90	150					5.2	4.3			150
150	90	160						3.8			160
150	90	162						3.7			162
150	100	35	19.4	*							35
150	100	40	18.4	*							40
150	100	50	16.2	*							50
150	100	56		17.2	*						56
150	100	60	14.4	*	16.5	*					60
150	100	70	12.7	*	14.7	*					70
150	100	78			15.3	*					78
150	100	80	11.1	*	13.1	*	14.9	*			80
150	100	90	9.8	*	11.5	*	13.3	*			90
150	100	98				11.3					98
150	100	100	8.5	*	10.2	*	11.9	*			100
150	100	109	7.4	*							109
150	100	110		9.0	*	10.5	9.6				110
150	100	118					7.4				118
150	100	120		7.8	*	9.3	8.5	7.2			120
150	100	122		7.5	*						122
150	100	130			8.2	*	7.6	6.4			130
150	100	135			7.7	*					135
150	100	136						4.9			136
150	100	140				6.8	5.7	4.6			140
150	100	148				6.2					148
150	100	150					5.1	4.1			150
150	100	160					4.5	3.6			160
150	100	170						3.2			170
150	100	172						3.1			172



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LS-218H II
Luffing Attachment

