



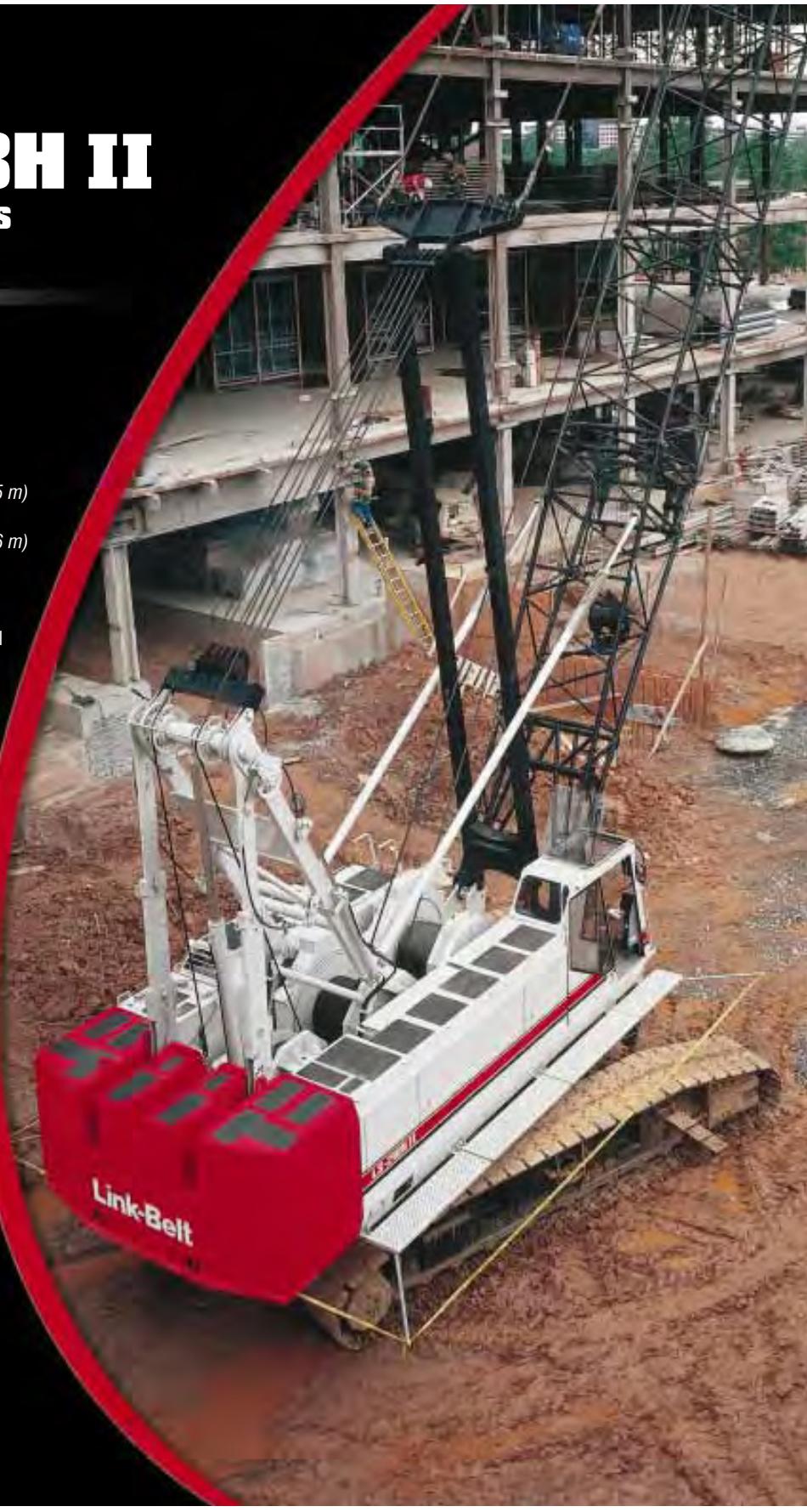
# LS-218H II

## 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 ppm) 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.

**Link-Belt**  
CONSTRUCTION EQUIPMENT



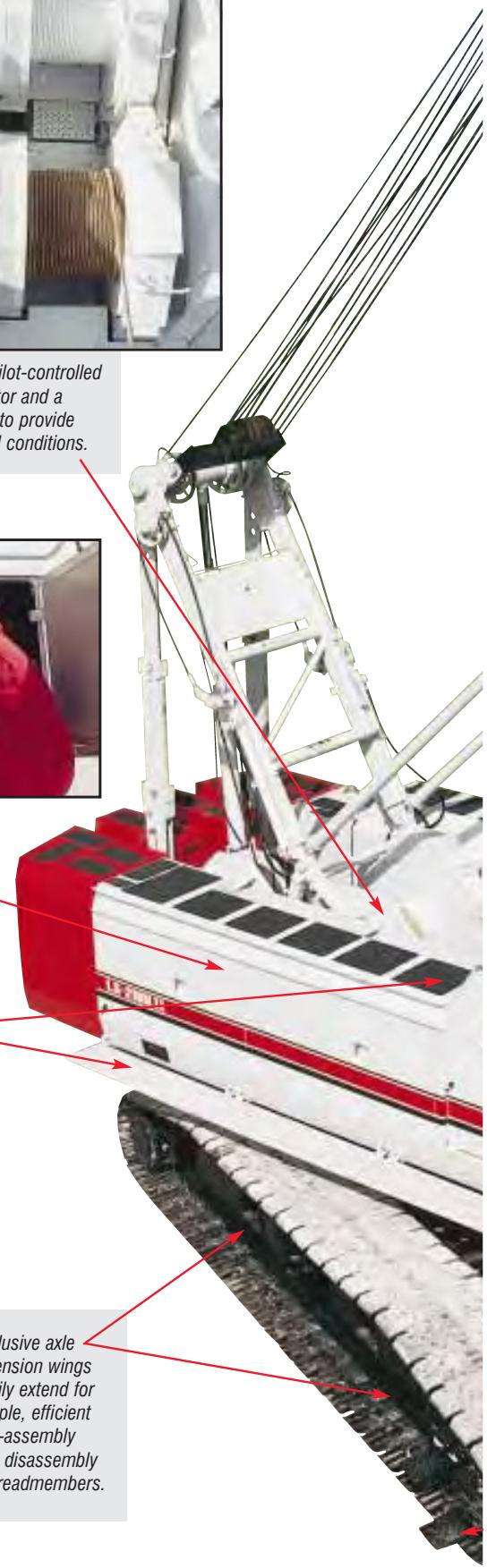
Load hoist drums contain a pilot-controlled bi-directional axial piston motor and a planetary gear-reduction unit to provide positive control under all load conditions.



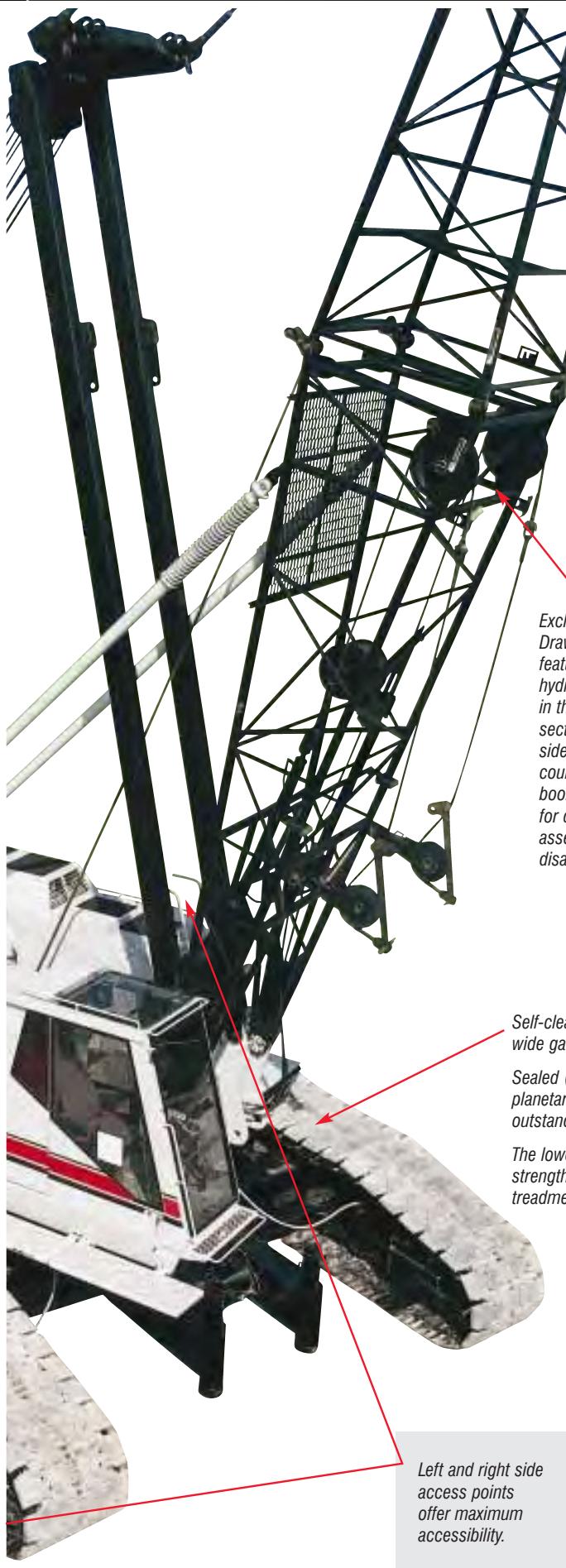
Large, swing-out doors provide outstanding access to the engine and hydraulic components for easy maintenance.



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.



*Left and right side access points offer maximum accessibility.*



*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.*



## **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

## 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.

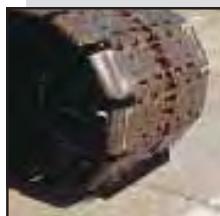


*Link-Belt's optional Quick Draw system simplifies assembly, disassembly and counterweight removal*

## 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.

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



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.



## 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

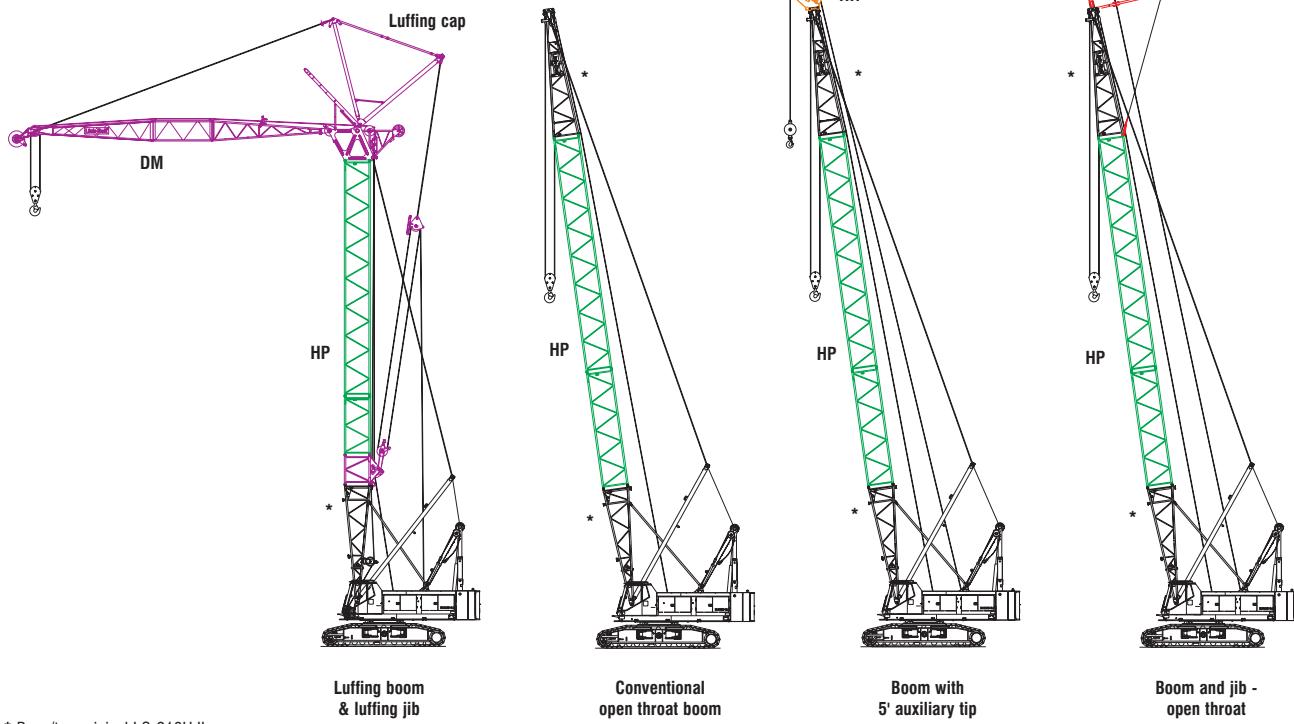
### Boom and jib — open throat

- 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.



**Link-Belt**  
CONSTRUCTION EQUIPMENT

Lexington, Kentucky  
[www.linkbelt.com](http://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

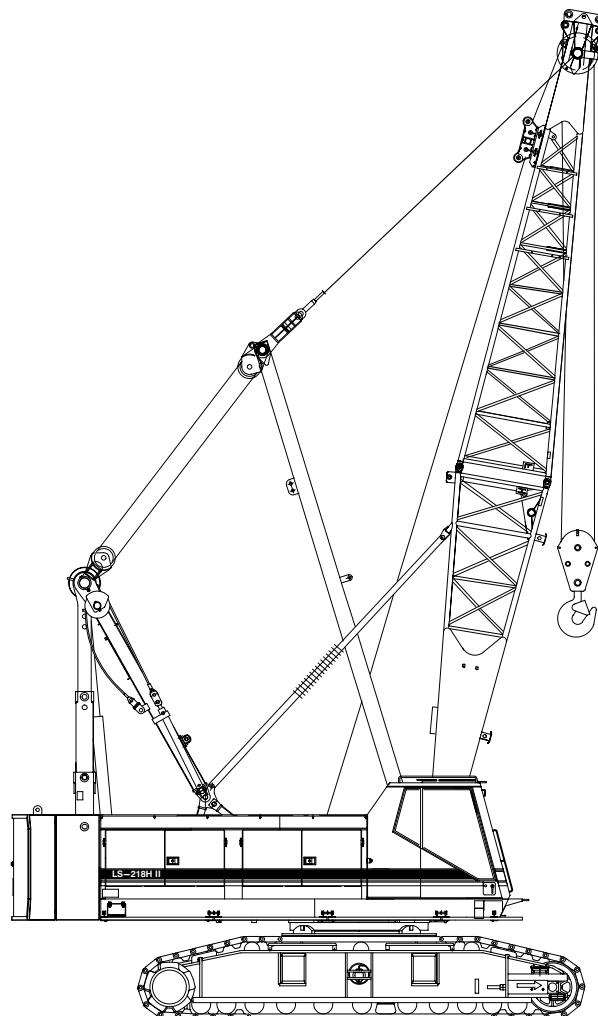
#### 5' (1.52 m) Tip Extension Capacities

#### 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.

**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.

**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 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 Liftoff 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:**

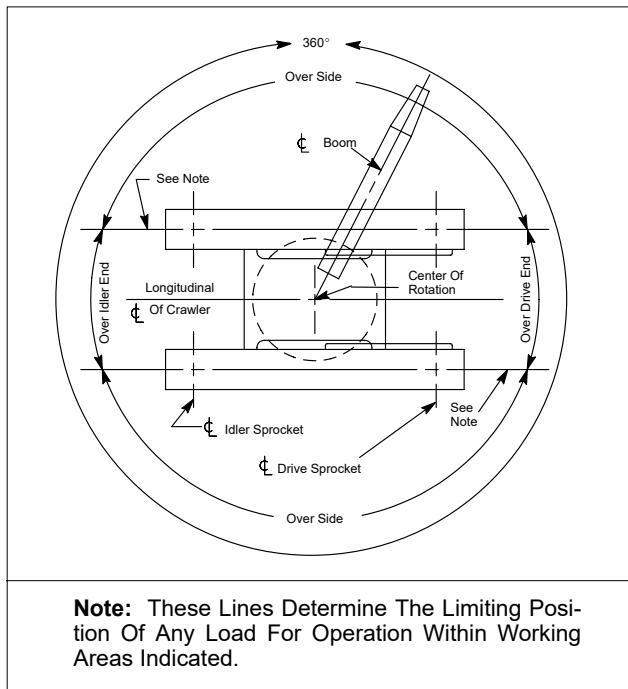
1. Load Radius: Horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of the vertical hoist line or tackle with load applied.
2. Boom Angle: The angle between the boom base section and horizontal with freely suspended load at the rated 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"      |       | 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. |  |
|----------------------|---|-----------|-----------|-----------|-------|---|--|
|                      | Type "CC"   | Type "RB" | Type "DB" | Type "DB" | Notes |   |  |
| 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 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.

**WORKING AREAS**

**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. Liftoff 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.



## 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.<br>(See Capacity Charts.)             | 0–20 m.p.h.          |
| 2. Reduced Operation.<br><b>Capacities must be reduced by 20%.</b> | 21–30 m.p.h.         |
| 3. Reduced Operation.<br><b>Capacities must be reduced by 40%.</b> | 31–40 m.p.h.         |
| 4. Reduced Operation.<br><b>Capacities must be reduced by 70%.</b> | 41–45 m.p.h.         |
| 4. No Operation.<br><b>Store Attachment On Ground.</b>             | 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    |

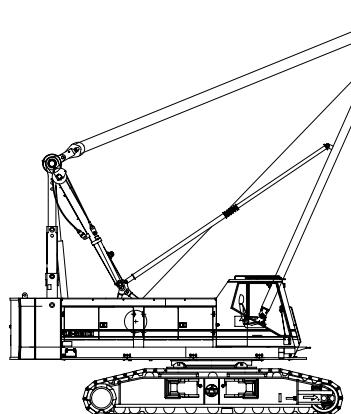
### LIVE MAST LIFTING CAPACITIES

| Live Mast    |             | Load (lbs.)<br>(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.

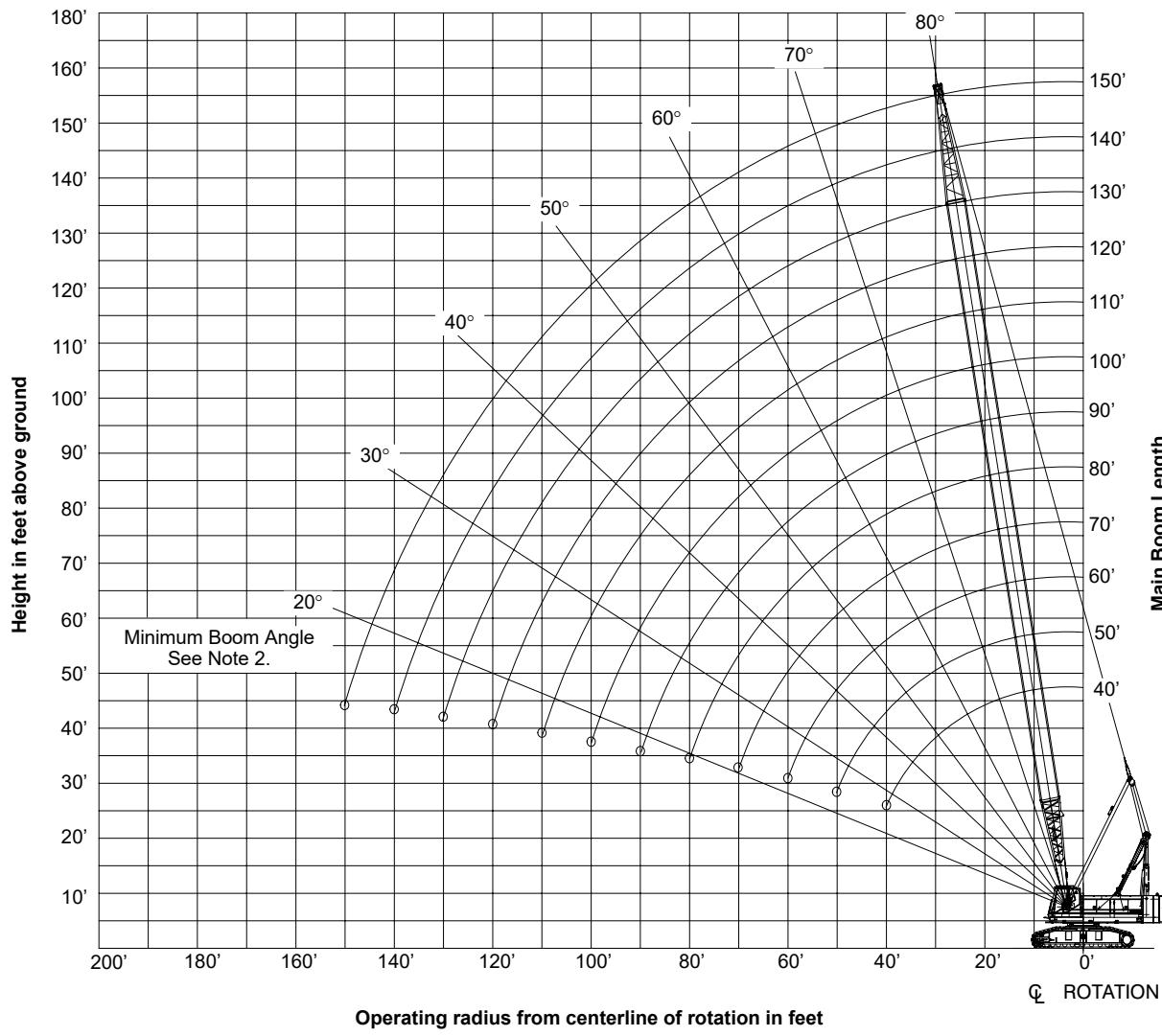
## DUTY CYCLE CAPACITIES – ANGLE BOOM

| Load Radius (ft.) | Boom Length (ft.) | Boom Angle (deg) | Side Frames Extended<br>"A" Counterweight<br>(All capacities listed are in pounds) |           |                    |           | Boom Length (ft.) | Load Radius (ft.) | Boom Angle (deg) | Side Frames Extended<br>"A" Counterweight<br>(All capacities listed are in pounds) |           |                    |           |  |  |  |
|-------------------|-------------------|------------------|--|-----------|--------------------|-----------|-------------------|-------------------|------------------|--|-----------|--------------------|-----------|--|--|--|
|                   |                   |                  | Dragline   |           | Clamshell / Magnet |           |                   |                   |                  | Dragline   |           | Clamshell / Magnet |           |  |  |  |
|                   |                   |                  | "A" ctwt   | "AB" ctwt | "A" ctwt           | "AB" ctwt |                   |                   |                  | "A" ctwt   | "AB" ctwt | "A" ctwt           | "AB" ctwt |  |  |  |
| 40                | 11                | 80.8             | ---  | ---       | 29,500             | 29,500    | 70                | 19                | 78.1             | ---  | ---       | 29,500             | 29,500    |  |  |  |
| 40                | 12                | 79.3             | ---  | ---       | 29,500             | 29,500    | 70                | 20                | 77.3             | ---  | ---       | 29,500             | 29,500    |  |  |  |
| 40                | 13                | 77.9             | ---  | ---       | 29,500             | 29,500    | 70                | 25                | 73.1             | ---  | ---       | 29,500             | 29,500    |  |  |  |
| 40                | 14                | 76.4             | ---  | ---       | 29,500             | 29,500    | 70                | 30                | 68.7             | ---  | ---       | 29,500             | 29,500    |  |  |  |
| 40                | 15                | 74.9             | ---  | ---       | 29,500             | 29,500    | 70                | 35                | 64.3             | ---  | ---       | 29,500             | 29,500    |  |  |  |
| 40                | 16                | 73.4             | ---  | ---       | 29,500             | 29,500    | 70                | 40                | 59.6             | 28,620   | 29,500    | 28,620             | 29,500    |  |  |  |
| 40                | 17                | 71.9             | ---  | ---       | 29,500             | 29,500    | 70                | 50                | 49.6             | 20,790   | 29,500    | 20,790             | 29,500    |  |  |  |
| 40                | 18                | 70.4             | ---  | ---       | 29,500             | 29,500    | 70                | 60                | 37.7             | 15,930   | 25,700    | 15,930             | 23,130    |  |  |  |
| 40                | 19                | 68.9             | ---  | ---       | 29,500             | 29,500    | 70                | 70                | 20.9             | ---  | ---       | 12,510             | 18,630    |  |  |  |
| 40                | 20                | 67.3             | ---  | ---       | 29,500             | 29,500    | 80                | 16                | 81.8             | ---  | ---       | 29,500             | 29,500    |  |  |  |
| 40                | 25                | 59.3             | 29,500   | 29,500    | 29,500             | 29,500    | 80                | 17                | 81.1             | ---  | ---       | 29,500             | 29,500    |  |  |  |
| 40                | 30                | 50.6             | 29,500   | 29,500    | 29,500             | 29,500    | 80                | 18                | 80.4             | ---  | ---       | 29,500             | 29,500    |  |  |  |
| 40                | 35                | 40.5             | 29,500   | 29,500    | 29,500             | 29,500    | 80                | 19                | 79.6             | ---  | ---       | 29,500             | 29,500    |  |  |  |
| 40                | 40                | 27.7             | ---  | ---       | 28,530             | 29,500    | 80                | 20                | 78.9             | ---  | ---       | 29,500             | 29,500    |  |  |  |
| 50                | 12                | 81.5             | ---  | ---       | 29,500             | 29,500    | 80                | 25                | 75.2             | ---  | ---       | 29,500             | 29,500    |  |  |  |
| 50                | 13                | 80.3             | ---  | ---       | 29,500             | 29,500    | 80                | 30                | 71.5             | ---  | ---       | 29,500             | 29,500    |  |  |  |
| 50                | 14                | 79.2             | ---  | ---       | 29,500             | 29,500    | 80                | 35                | 67.7             | ---  | ---       | 29,500             | 29,500    |  |  |  |
| 50                | 15                | 78.0             | ---  | ---       | 29,500             | 29,500    | 80                | 40                | 63.7             | ---  | ---       | 28,440             | 29,500    |  |  |  |
| 50                | 16                | 76.8             | ---  | ---       | 29,500             | 29,500    | 80                | 50                | 55.4             | 20,610   | 29,500    | 20,610             | 29,500    |  |  |  |
| 50                | 17                | 75.6             | ---  | ---       | 29,500             | 29,500    | 80                | 60                | 46.2             | 15,750   | 25,600    | 15,750             | 23,040    |  |  |  |
| 50                | 18                | 74.4             | ---  | ---       | 29,500             | 29,500    | 80                | 70                | 35.2             | 12,420   | 20,600    | 12,420             | 18,540    |  |  |  |
| 50                | 19                | 73.3             | ---  | ---       | 29,500             | 29,500    | 80                | 80                | 19.5             | ---  | ---       | 9,900              | 15,210    |  |  |  |
| 50                | 20                | 72.1             | ---  | ---       | 29,500             | 29,500    | 90                | 18                | 81.4             | PROHIBITED   | ---       | 29,500             | 29,500    |  |  |  |
| 50                | 25                | 65.9             | ---  | ---       | 29,500             | 29,500    | 90                | 19                | 80.8             |  | ---       | 29,500             | 29,500    |  |  |  |
| 50                | 30                | 59.5             | 29,500   | 29,500    | 29,500             | 29,500    | 90                | 20                | 80.1             |  | ---       | 29,500             | 29,500    |  |  |  |
| 50                | 35                | 52.5             | 29,500   | 29,500    | 29,500             | 29,500    | 90                | 25                | 76.9             |  | ---       | 29,500             | 29,500    |  |  |  |
| 50                | 40                | 44.9             | 28,710   | 29,500    | 28,710             | 29,500    | 90                | 30                | 73.6             |  | ---       | 29,500             | 29,500    |  |  |  |
| 50                | 50                | 24.8             | ---  | ---       | 20,800             | 29,500    | 90                | 35                | 70.3             |  | ---       | 29,500             | 29,500    |  |  |  |
| 60                | 13                | 81.9             | ---  | ---       | 29,500             | 29,500    | 90                | 40                | 66.8             |  | ---       | 29,500             | 29,500    |  |  |  |
| 60                | 14                | 81.0             | ---  | ---       | 29,500             | 29,500    | 90                | 50                | 59.7             |  | 29,500    | 29,430             |           |  |  |  |
| 60                | 15                | 80.0             | ---  | ---       | 29,500             | 29,500    | 90                | 60                | 52.0             |  | 25,400    | 22,860             |           |  |  |  |
| 60                | 16                | 79.0             | ---  | ---       | 29,500             | 29,500    | 90                | 70                | 43.4             |  | 20,400    | 18,360             |           |  |  |  |
| 60                | 17                | 78.1             | ---  | ---       | 29,500             | 29,500    | 90                | 80                | 33.1             |  | ---       | 15,030             |           |  |  |  |
| 60                | 18                | 77.1             | ---  | ---       | 29,500             | 29,500    | 90                | 90                | 18.4             |  | ---       | 12,510             |           |  |  |  |
| 60                | 19                | 76.1             | ---  | ---       | 29,500             | 29,500    | 100               | 19                | 81.7             | PROHIBITED   | ---       | 29,500             | 29,500    |  |  |  |
| 60                | 20                | 75.1             | ---  | ---       | 29,500             | 29,500    | 100               | 20                | 81.1             |  | ---       | 29,500             | 29,500    |  |  |  |
| 60                | 25                | 70.1             | ---  | ---       | 29,500             | 29,500    | 100               | 25                | 78.2             |  | ---       | 29,500             | 29,500    |  |  |  |
| 60                | 30                | 64.9             | ---  | ---       | 29,500             | 29,500    | 100               | 30                | 75.3             |  | ---       | 29,500             | 29,500    |  |  |  |
| 60                | 35                | 59.6             | 29,500   | 29,500    | 29,500             | 29,500    | 100               | 35                | 72.3             |  | ---       | 29,500             | 29,500    |  |  |  |
| 60                | 40                | 53.8             | 28,710   | 29,500    | 28,710             | 29,500    | 100               | 40                | 69.3             |  | ---       | 29,500             | 29,500    |  |  |  |
| 60                | 50                | 40.8             | 20,800   | 29,500    | 20,880             | 29,500    | 100               | 50                | 63.0             |  | ---       | 29,250             | 29,250    |  |  |  |
| 60                | 60                | 22.6             | ---  | ---       | 15,930             | 23,220    | 100               | 60                | 56.4             |  | 25,100    | 22,590             |           |  |  |  |
| 70                | 15                | 81.5             | ---  | ---       | 29,500             | 29,500    | 100               | 70                | 49.2             |  | 20,200    | 18,180             |           |  |  |  |
| 70                | 16                | 80.6             | ---  | ---       | 29,500             | 29,500    | 100               | 80                | 41.1             |  | 16,500    | 14,850             |           |  |  |  |
| 70                | 17                | 79.8             | ---  | ---       | 29,500             | 29,500    | 100               | 90                | 31.3             |  | ---       | 12,330             |           |  |  |  |
| 70                | 18                | 79.0             | ---  | ---       | 29,500             | 29,500    | 100               | 100               | 17.4             |  | ---       | 10,350             |           |  |  |  |



## WORKING RANGE DIAGRAM

## 40' TO 150' MAIN BOOM

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.

## 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:

1. 18,000 lb (Maximum).
2. The standard crane lift capacity minus 700 lb for the crane configuration in use.

### NOTES:

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

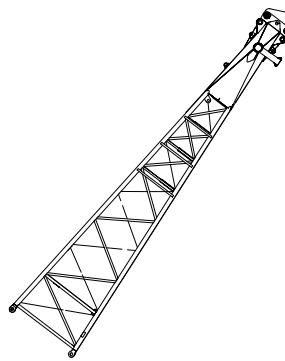
## MAXIMUM ALLOWABLE CAPACITIES FOR PILE DRIVER LEAD ADAPTER

LIFTING CAPACITY TO BE THE SMALLEST OF THE FOLLOWING VALUES:

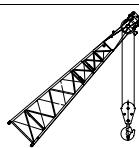
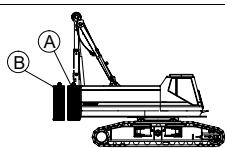
1. 70,000 lbs.
2. The standard crane lift capacity minus 200 lbs. for crane configuration in use.

### NOTES:

1. All notes are to be adhered to as listed on the standard lift crane capacity charts.
2. Reduce the main boom lift capacities by 200 lb when the pile driver lead adapter is installed.
3. 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



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)     | A CTWT (lb)          | 0 CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | A 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)     | A CTWT (lb)          | 0 CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | A 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)     | A CTWT (lb)          | 0 CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | A 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)     | A CTWT (lb)          | 0 CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | A 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)     | A CTWT (lb)          | 0 CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | A 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 – 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)     | A CTWT (lb)          | 0 CTWT (lb) | A 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)     | A CTWT (lb)          | 0 CTWT (lb) | A 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)     | A CTWT (lb)          | 0 CTWT (lb) | A 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)     | A CTWT (lb)          | 0 CTWT (lb) | A 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)     | A CTWT (lb)          | 0 CTWT (lb) | A 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)     | A CTWT (lb)          | 0 CTWT (lb) | A 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                | —           |             |                       |             |             |



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**RELIABLE** CRANE SERVICE

**Link-Belt**  
CONSTRUCTION EQUIPMENT

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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

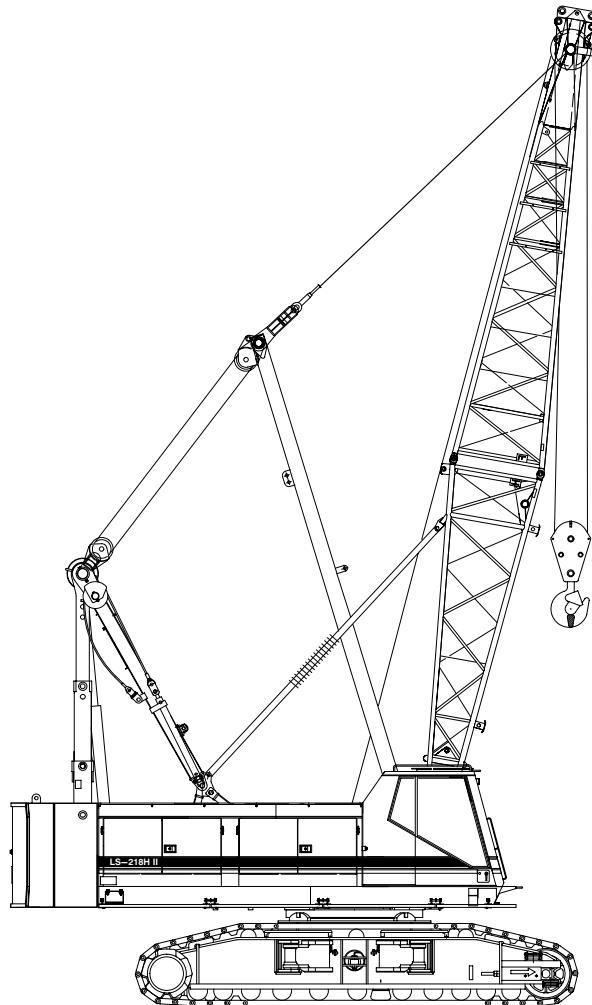
#### 5 ft. (1.52 m) Tip Extension Capacities

#### 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 Liftoff 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  | 22700     | 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      |   |
| LBC E 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. = 1:1                  |           |           |           |   |

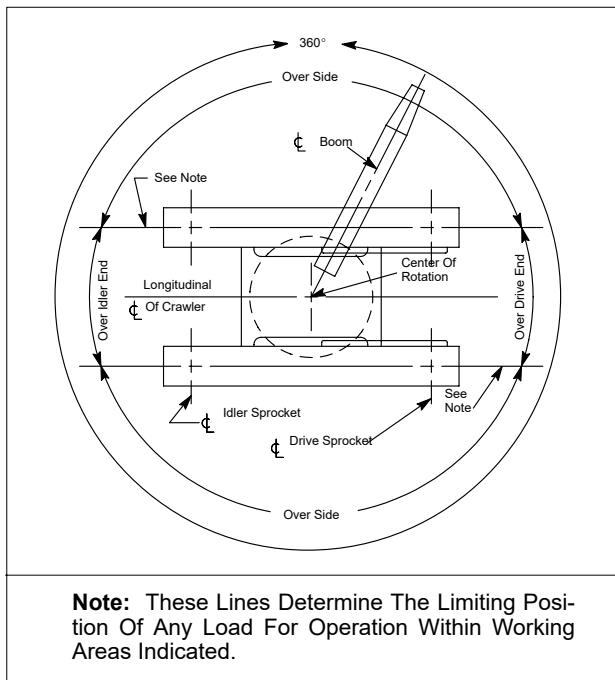
\* Use of swivel end with 1 part of line is not recommended.

\*\*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<br>See Note 4                    | 190 + 75<br>200 + 45<br>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<br>180 + 60               |

## WORKING AREAS



## NOTES:

- 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.
- Crane on firm and level surface.
- Gantry pins must be installed with the gantry in the raised position.
- For maximum stability, booms must be erected or lowered over the end with no load and with the hook block on the ground.



## 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.<br>(See Capacity Charts.)             | 0–20 m.p.h.                    |
| 2. Reduced Operation.<br><b>Capacities must be reduced by 20%.</b> | 21–30 m.p.h.                   |
| 3. Reduced Operation.<br><b>Capacities must be reduced by 40%.</b> | 31–40 m.p.h.                   |
| 4. Reduced Operation.<br><b>Capacities must be reduced by 70%.</b> | 41–45 m.p.h.                   |
| 4. No Operation.<br><b>Store Attachment On Ground.</b>             | Over 45 m.p.h.                 |

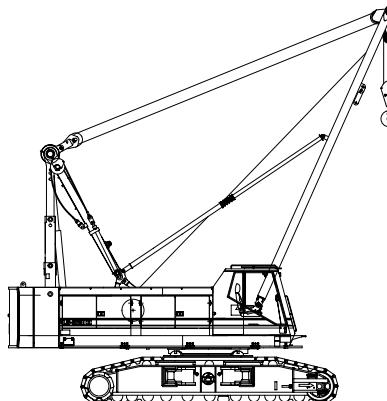
## LIVE MAST LIFTING CAPACITIES

| Live Mast    |             | Load (lbs.)<br>(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"<br>Cylinders |                  | CASE I<br>SEE NOTE 8<br>(lb) | CASE II<br>SEE NOTE 9<br>(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.

### DUTY CYCLE NOTES FOR TUBE BOOM

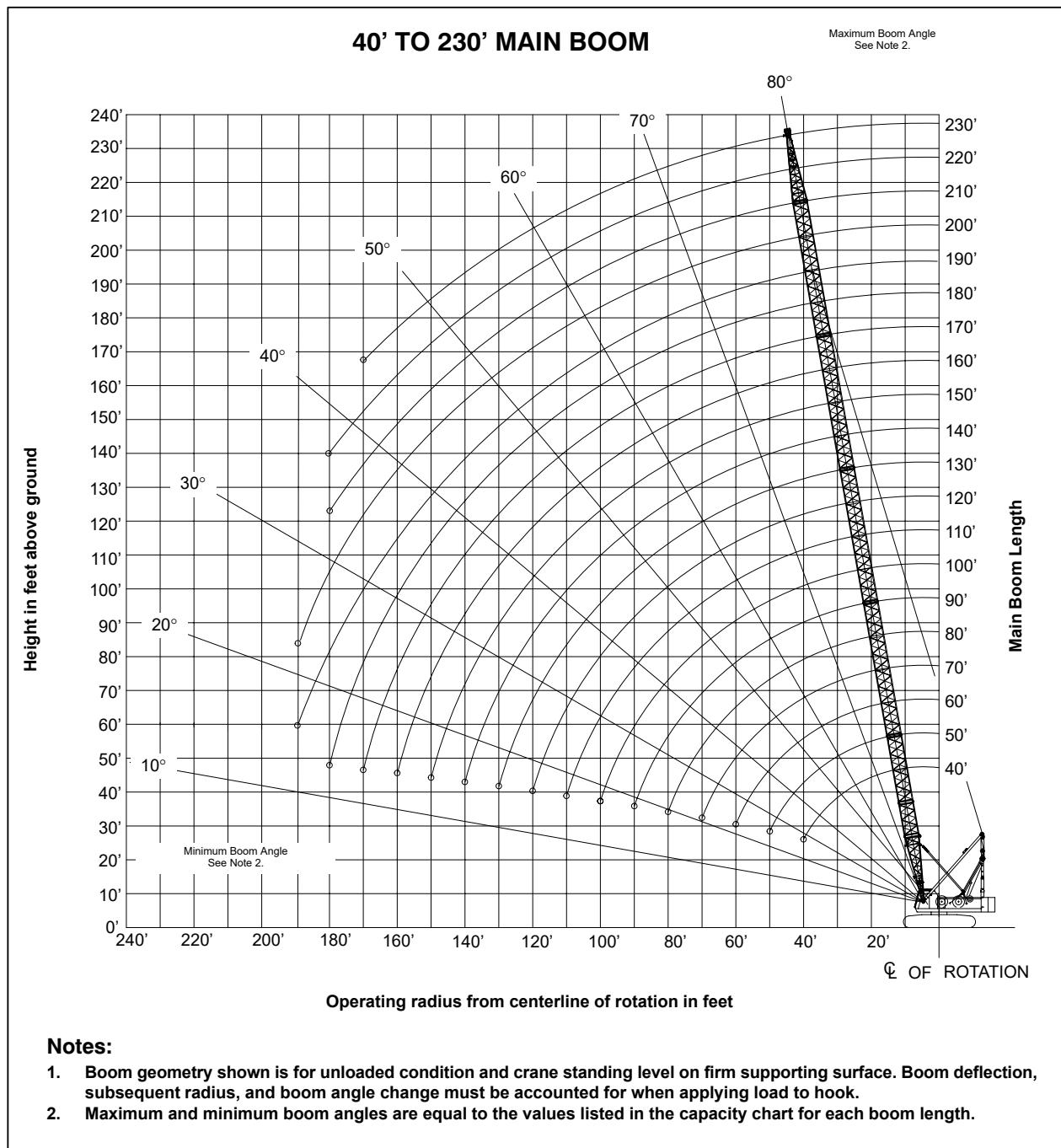
1. The capacities included in the "Duty Cycle Capacities – Tube Boom" chart are the maximum allowable, and are based on an LS-218H II crawler crane with "A" (25,350 lb.) counterweight standing level on firm supporting surface under ideal job conditions.
2. Capacities are based on 75% of minimum tipping 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<br>"A" Counterweight<br>(All capacities listed are in pounds) |                                |  |
|-------------------|-------------------|------------------|--|--------------------------------|--|
|                   |                   |                  | Dragline   | Clamshell / Magnet<br>"A" ctwt |  |
| 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                         |  |
| 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



## 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:

1. 18,000 lb (Maximum).
2. The standard crane lift capacity minus 700 lb for the crane configuration in use.

### NOTES:

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

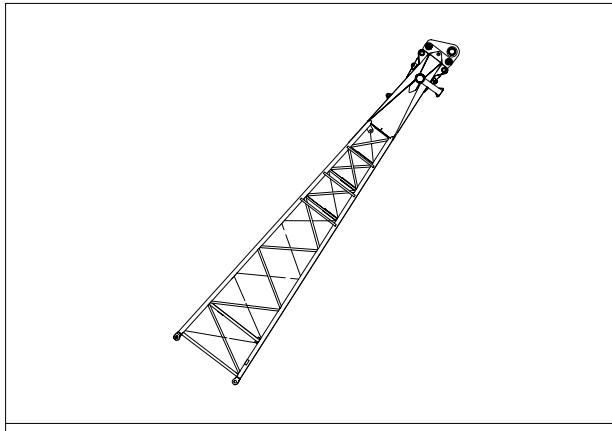
## MAXIMUM ALLOWABLE CAPACITIES FOR PILE DRIVER LEAD ADAPTER

LIFTING CAPACITY TO BE THE SMALLEST OF THE FOLLOWING VALUES:

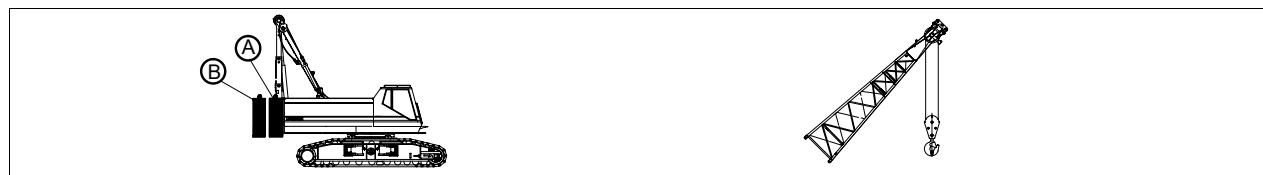
1. 70,000 lbs.
2. The standard crane lift capacity minus 200 lbs. for crane configuration in use.

### NOTES:

1. All notes are to be adhered to as listed on the standard lift crane capacity charts.
2. Reduce the main boom lift capacities by 200 lb when the pile driver lead adapter is installed.
3. 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.

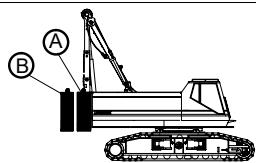
| MAIN BOOM CAPACITIES – 40 FT. OPEN THROAT TUBE BOOM |                  |                  |                      |             |             |                       |             |  |  |
|---|------------------|------------------|----------------------|-------------|-------------|-----------------------|-------------|--|--|
| Load Radius (ft.)                                   | Boom Angle (deg) | Over End Blocked | 360° Rotation        |             |             |                       |             |  |  |
|   |                  |                  | Side Frames Extended |             |             | Side Frames Retracted |             |  |  |
|   |                  | AB CTWT (lb)     | AB CTWT (lb)         | A 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)         | A 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)         | A 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          |                      |             |             | 89,800                | 58,800      | 55,100 |  |
|   |                  | 122,200          |                      |             |             | 32,800                |             |        |  |
| 25  | 65.9             | 101,000          |                      |             |             | 63,200                | 41,000      | 40,600 |  |
|   |                  | 86,500           |                      |             |             | 23,800                |             |        |  |
| 30  | 59.5             | 79,800           |                      |             |             | 48,400                | 31,100      | 31,800 |  |
|   |                  | 66,500           |                      |             |             | 18,300                |             |        |  |
| 35  | 52.5             | 63,800           |                      |             |             | 38,900                | 24,700      | 25,900 |  |
|   |                  | 53,800           |                      |             |             | 14,600                |             |        |  |
| 40  | 44.9             | 53,000           |                      |             |             | 44,900                | 32,300      | 20,300 |  |
|   |                  | 32,300           |                      |             |             | 21,600                |             |        |  |
| 50  | 40.8             | 39,200           |                      |             |             | 33,500                | 23,700      | 14,600 |  |
|   |                  | 26,300           |                      |             |             | 18,300                | 11,000      | 12,200 |  |
| 60  | 22.6             | 30,700           |                      |             |             | 18,300                |             |        |  |
|   |                  | 26,300           |                      |             |             | 11,000                |             |        |  |

| 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)         | A 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          |                      | 107,700     | 70,800      | 64,100                | 38,400      |  |  |
| 19   | 76.1             | 131,900          |                      | 98,100      | 64,300      | 59,300                | 35,400      |  |  |
| 20   | 75.1             | 125,600          |                      | 90,000      | 58,900      | 55,200                | 32,900      |  |  |
| 25   | 70.1             | 100,900          |                      | 63,300      | 41,100      | 40,600                | 23,800      |  |  |
| 30   | 64.9             | 80,000           |                      | 66,600      | 48,400      | 31,100                | 18,300      |  |  |
| 35   | 59.6             | 63,900           |                      | 53,800      | 24,800      | 25,100                | 14,600      |  |  |
| 40   | 53.8             | 53,000           |                      | 45,000      | 32,300      | 20,400                | 11,900      |  |  |
| 50   | 40.8             | 39,200           |                      | 33,500      | 23,700      | 14,600                | 8,300       |  |  |
| 60   | 22.6             | 30,700           |                      | 26,300      | 18,300      | 11,000                | 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)         | A 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      |  |  |
| 25   | 76.9             | 100,200          |                      | 86,500      | 63,300      | 41,100                | 40,400      |  |  |
| 30   | 73.6             |                  | 79,900               | 66,500      | 48,300      | 31,000                | 31,500      |  |  |
|  |                  |                  |                      |             |             |                       |             |  |  |



| 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) | 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                 |             |            |

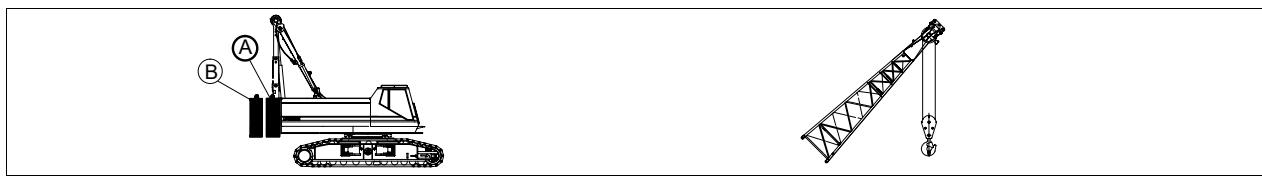
| MAIN BOOM CAPACITIES – 130 FT OPEN THROAT TUBE BOOM |                  |                  |                      |             |             |                       |             |            |
|---|------------------|------------------|----------------------|-------------|-------------|-----------------------|-------------|------------|
| 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) | 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 | 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) |            |
| 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) | A CTWT (lb)           | 0 CTWT (lb) |            |
| 24.08   | 82.0             | 75,300           | 75,300               | 66,500      |             |                       |             | PROHIBITED |
| 25  | 81.6             | 75,300           | 75,300               | 62,800      |             |                       |             |            |
| 30  | 79.5             | 73,400           | 65,800               | 47,700      |             |                       |             |            |
| 35  | 77.5             | 63,200           | 53,000               | 38,100      |             |                       |             |            |
| 40  | 75.4             | 52,200           | 44,100               | 31,400      |             |                       |             |            |
| 50  | 71.1             | 38,300           | 32,500               | 22,700      |             |                       |             |            |
| 60  | 66.7             | 29,800           | 25,300               | 17,300      |             |                       |             |            |
| 70  | 62.1             | 24,000           | 20,400               | 13,700      |             |                       |             |            |
| 80  | 57.4             | 19,900           | 16,900               | 11,000      |             |                       |             |            |
| 90  | 52.4             | 16,800           | 14,200               | 9,000       |             |                       |             |            |
| 100   | 47.0             | 14,300           | 12,100               | 7,400       |             |                       |             |            |
| 110   | 41.2             | 12,400           | 10,400               | 6,100       |             |                       |             |            |
| 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) | 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) | A CTWT (lb)           | 0 CTWT (lb) |            |
| 25.47   | 82.0             | 69,000           | 69,000               | 60,900      |             |                       |             | PROHIBITED |
| 30  | 80.2             | 67,300           | 65,700               | 47,500      |             |                       |             |            |
| 35  | 78.3             | 63,100           | 52,800               | 37,900      |             |                       |             |            |
| 40  | 76.3             | 52,100           | 43,900               | 31,200      |             |                       |             |            |
| 50  | 72.4             | 38,100           | 32,300               | 22,500      |             |                       |             |            |
| 60  | 68.3             | 29,600           | 25,100               | 17,200      |             |                       |             |            |
| 70  | 64.1             | 23,800           | 20,200               | 13,500      |             |                       |             |            |
| 80  | 59.8             | 19,700           | 16,700               | 10,800      |             |                       |             |            |
| 90  | 55.3             | 16,600           | 14,000               | 8,800       |             |                       |             |            |
| 100   | 50.5             | 14,200           | 11,900               | 7,200       |             |                       |             |            |
| 110   | 45.4             | 12,200           | 10,200               | 5,900       |             |                       |             |            |
| 120   | 39.7             | 10,600           | 8,800                | 4,900       |             |                       |             |            |
| 130   | 33.3             | 9,200            | 7,600                | 4,000       |             |                       |             |            |
| 140   | 25.5             | 8,100            |                      |             |             |                       |             |            |

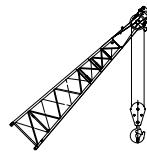
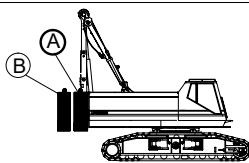


| Load Radius<br>(ft.) | Boom Angle<br>(deg) | Over End Blocked | 360° Rotation        |              |             |                       |             |             |
|----------------------|---------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|-------------|
|                      |                     |                  | Side Frames Extended |              |             | Side Frames Retracted |             |             |
|                      |                     |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | A CTWT (lb) | 0 CTWT (lb) |
| 26.86                | 82.0                | 63,100           | 63,100               | 56,000       |             |                       |             |             |
| 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                | —            |             |                       |             |             |

| Load Radius<br>(ft.) | Boom Angle<br>(deg) | Over End Blocked | Side Frames Extended |              |             | Side Frames Retracted |             |
|----------------------|---------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|
|                      |                     |                  | AB CTWT (lb)         | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb)           | A CTWT (lb) |
|                      |                     |                  |                      |              |             |                       |             |
| 29.64                | 82.0                | 52,200           | 52,200               |              |             |                       |             |
| 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                |              |             |                       |             |

| Load Radius<br>(ft.) | Boom Angle<br>(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) |
| 28.25                | 82.0                | 56,900           | 56,900               | 51,700       |             |                       |             |             |
| 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                | —            |             |                       |             |             |

| Load Radius<br>(ft.) | Boom Angle<br>(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) |
| 31.04                | 82.0                | 47,700           | 47,700               |              |             |                       |             |             |
| 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                |              |             |                       |             |             |



| 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               |              |             |                       |             |             |
| 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            | —                    |              |             |                       |             |             |

| 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               |              |             |                       |             |             |
| 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             | —                | —                    |              |             |                       |             |             |

| 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               |              |             |                       |             |             |
| 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             | —                | —                    |              |             |                       |             |             |

| 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               |              |             |                       |             |             |
| 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             | —                | —                    |              |             |                       |             |             |

**Link-Belt Construction Equipment Company Lexington, Kentucky** [www.linkbelt.com](http://www.linkbelt.com)

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# Jib Capacities

Lattice Boom Crawler Crane

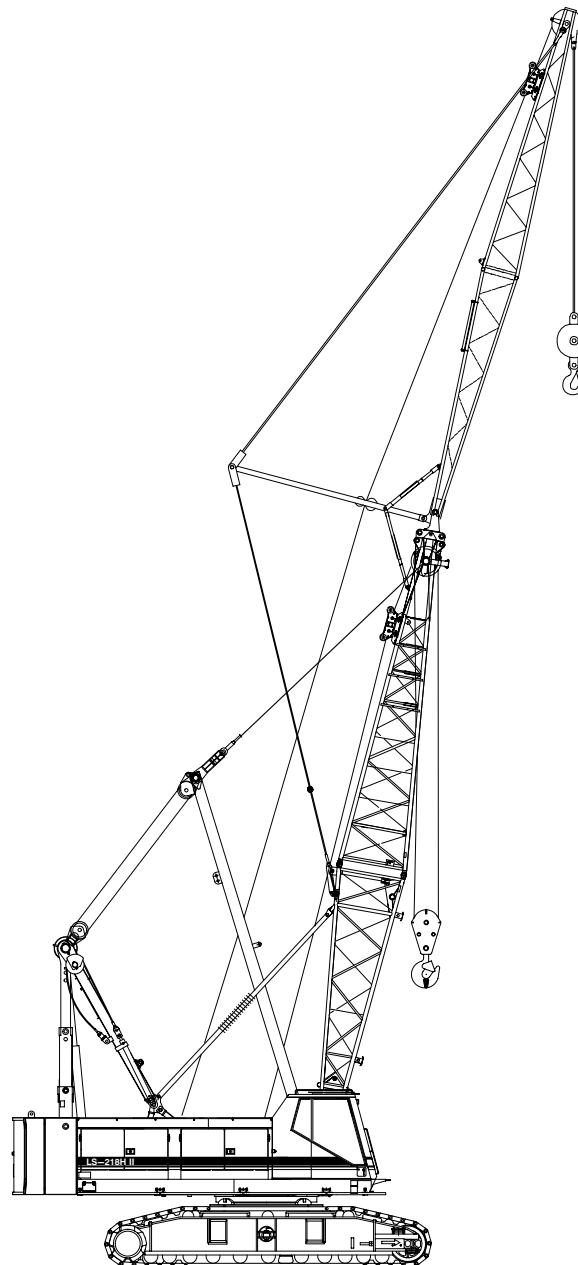
## LS-218H II

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

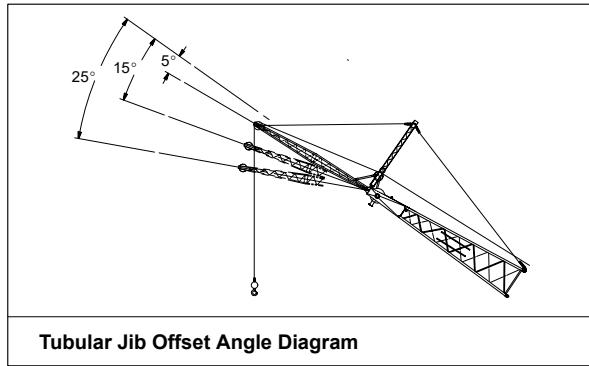
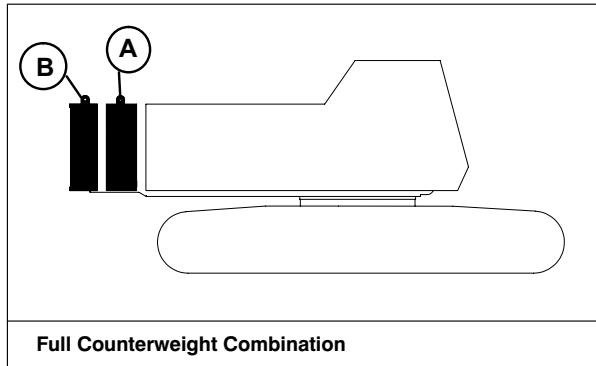


**CAUTION:** This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual to determine allowable machine lifting capacities and operating procedures.



## TUBULAR JIB NOTES FOR ANGLE BOOM

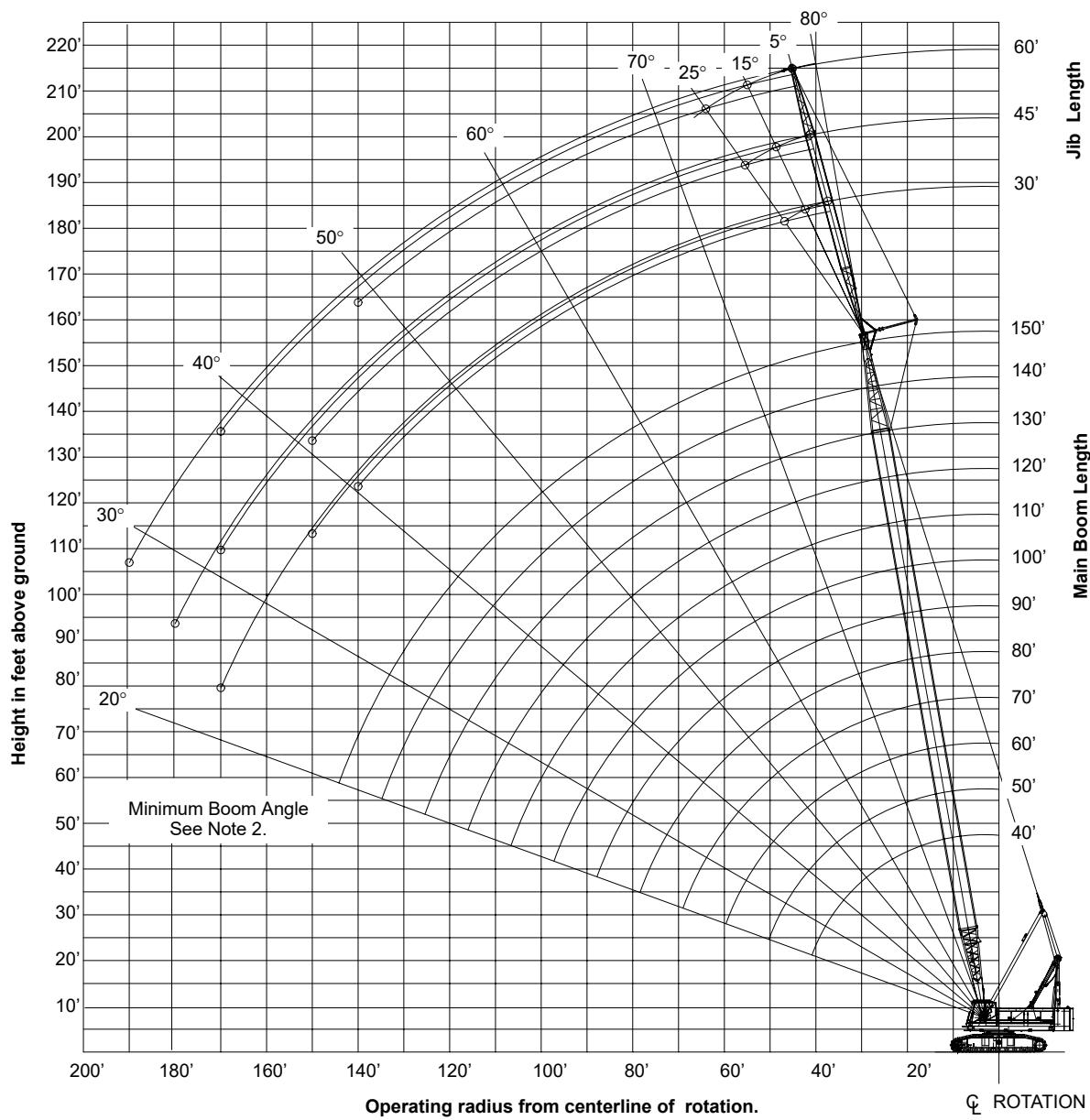
1. Capacities are for a LS-218H II crawler crane with "AB" counterweight.
2. Separate capacity charts are listed for 360° and for over end blocked crawler working areas. Apply the appropriate lift capacity chart based on the working area and the specific operating conditions.
3. Over end blocked capacities 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 0.81m) 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 asterisk 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" Ctwt**

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 *               |                  |                       |                            |                        | 30                   |  |
| 40               | 30              | 35                   | 67                | 72.4                  | 16,100 *                   | 16,100 *               | 71               | 71.8                  | 14,500 *                   | 14,500 *               |                  |                       |                            |                        | 35                   |  |
| 40               | 30              | 40                   | 62.5              | 69.8                  | 14,900 *                   | 14,900 *               | 66.4             | 69.2                  | 13,300 *                   | 13,300 *               |                  |                       |                            |                        | 40                   |  |
| 40               | 30              | 50                   | 52.8              | 62.9                  | 12,700 *                   | 12,700 *               | 56.6             | 62.2                  | 12,100 *                   | 12,100 *               |                  |                       |                            |                        | 50                   |  |
| 40               | 30              | 60                   | 41.5              | 52.9                  | 11,600 *                   | 11,600 *               | 45.1             | 52.1                  | 11,000 *                   | 11,000 *               |                  |                       |                            |                        | 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 *               |                  |                       |                            |                        | 40                   |  |
| 40               | 45              | 50                   | 61                | 81.3                  | 9,900 *                    | 9,900 *                | 65.9             | 80.5                  | 8,300 *                    | 8,300 *                |                  |                       |                            |                        | 50                   |  |
| 40               | 45              | 60                   | 52.8              | 74.1                  | 7,800 *                    | 7,800 *                | 57.7             | 73.2                  | 7,500 *                    | 7,500 *                |                  |                       |                            |                        | 60                   |  |
| 40               | 45              | 70                   | 43.6              | 64.3                  | 7,200 *                    | 7,200 *                | 48.3             | 63.3                  | 6,700 *                    | 6,700 *                |                  |                       |                            |                        | 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 *                |                  |                       |                            |                        | 50                   |  |
| 40               | 60              | 60                   | 59.9              | 92.7                  | 7,300 *                    | 7,300 *                | 65.5             | 91.8                  | 6,100 *                    | 6,100 *                |                  |                       |                            |                        | 60                   |  |
| 40               | 60              | 70                   | 52.9              | 85.3                  | 5,800 *                    | 5,800 *                | 58.4             | 84.3                  | 5,500 *                    | 5,500 *                |                  |                       |                            |                        | 70                   |  |
| 40               | 60              | 80                   | 45.1              | 75.6                  | 5,300 *                    | 5,300 *                | 50.5             | 74.5                  | 5,000 *                    | 5,000 *                |                  |                       |                            |                        | 80                   |  |
| 40               | 60              | 90                   | 35.8              | 62.6                  | 4,400 *                    | 4,400 *                | 41               | 61.2                  | 3,800 *                    | 3,800 *                |                  |                       |                            |                        | 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 *               |                  |                       |                            |                        | 35                   |  |
| 50               | 30              | 40                   | 66.1              | 81                    | 15,900 *                   | 15,900 *               | 69.6             | 80.4                  | 14,200 *                   | 14,200 *               |                  |                       |                            |                        | 40                   |  |
| 50               | 30              | 50                   | 58.1              | 75.3                  | 13,800 *                   | 13,800 *               | 61.4             | 74.6                  | 12,600 *                   | 12,600 *               |                  |                       |                            |                        | 50                   |  |
| 50               | 30              | 60                   | 49.1              | 67.5                  | 12,400 *                   | 12,400 *               | 52.4             | 66.7                  | 11,700 *                   | 11,700 *               |                  |                       |                            |                        | 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 *               |                  |                       |                            |                        | 40                   |  |
| 50               | 45              | 50                   | 64.3              | 92.8                  | 11,100 *                   | 11,100 *               | 68.7             | 91.9                  | 9,200 *                    | 9,200 *                |                  |                       |                            |                        | 50                   |  |
| 50               | 45              | 60                   | 57.3              | 86.6                  | 8,700 *                    | 8,700 *                | 61.7             | 85.7                  | 7,700 *                    | 7,700 *                |                  |                       |                            |                        | 60                   |  |
| 50               | 45              | 70                   | 49.7              | 78.6                  | 7,600 *                    | 7,600 *                | 54               | 77.6                  | 7,200 *                    | 7,200 *                |                  |                       |                            |                        | 70                   |  |
| 50               | 45              | 80                   | 41                | 67.9                  | 7,000 *                    | 7,000 *                | 45.1             | 66.7                  | 6,300 *                    | 6,300 *                |                  |                       |                            |                        | 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" Ctwt**

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 *                | 78.8             | 106.7                 | 7,000 *                    | 7,000 *                | 40                   |  |
| 50               | 60              | 50                   | 68.7              | 109.4                 | 9,600 *                    | 9,600 *                | 73.9             | 108.5                 | 8,300 *                    | 8,300 *                | 72.9             | 101.4                 | 5,800 *                    | 5,800 *                | 50                   |  |
| 50               | 60              | 60                   | 62.9              | 104.4                 | 8,100 *                    | 8,100 *                | 68               | 103.4                 | 6,800 *                    | 6,800 *                | 66.6             | 94.8                  | 5,400 *                    | 5,400 *                | 60                   |  |
| 50               | 60              | 70                   | 56.8              | 97.9                  | 6,400 *                    | 6,400 *                | 61.9             | 96.9                  | 5,700 *                    | 5,700 *                | 59.7             | 86.3                  | 4,900 *                    | 4,900 *                | 70                   |  |
| 50               | 60              | 80                   | 50.2              | 89.8                  | 5,600 *                    | 5,600 *                | 55.2             | 88.6                  | 5,300 *                    | 5,300 *                | 51.9             | 75.3                  | 3,900 *                    | 3,900 *                | 80                   |  |
| 50               | 60              | 90                   | 42.8              | 79.3                  | 5,100 *                    | 5,100 *                | 47.6             | 78                    | 4,600 *                    | 4,600 *                |                  |                       |                            |                        | 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 *               |                  |                       |                            |                        |                  |                       |                            |                        | 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 *               | 79.6             | 102.4                 | 14,200 *                   | 14,200 *               | 30                   |  |
| 70               | 30              | 35                   | 74.1              | 104.5                 | 18,800 *                   | 18,800 *               | 76.9             | 103.8                 | 16,100 *                   | 16,100 *               | 76.5             | 100.7                 | 13,400 *                   | 13,400 *               | 35                   |  |
| 70               | 30              | 40                   | 71.1              | 102.8                 | 17,500 *                   | 17,500 *               | 73.9             | 102.1                 | 15,300 *                   | 15,300 *               |                  |                       |                            |                        | 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" Ctwt**

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 *               | 78               | 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 *               | 77.3             | 122.8                 | 8,700 *                    | 8,700 *                | 40                   |  |
| 80               | 45              | 50                   | 70.8              | 125.7                 | 13,200 *                   | 13,200 *               | 74.1             | 124.7                 | 11,000 *                   | 11,000 *               | 72.3             | 118.4                 | 7,800 *                    | 7,800 *                | 50                   |  |
| 80               | 45              | 60                   | 65.8              | 121.3                 | 11,600 *                   | 11,600 *               | 69.2             | 120.3                 | 9,300 *                    | 9,300 *                | 67               | 112.8                 | 7,400 *                    | 7,400 *                | 60                   |  |
| 80               | 45              | 70                   | 60.7              | 115.9                 | 9,800 *                    | 9,800 *                | 64               | 114.9                 | 7,900 *                    | 7,900 *                | 61.4             | 105.9                 | 7,000 *                    | 7,000 *                | 70                   |  |
| 80               | 45              | 80                   | 55.2              | 109.2                 | 8,000 *                    | 8,000 *                | 58.5             | 108.1                 | 7,500 *                    | 7,500 *                | 48.5             | 86.6                  | 6,400 *                    | 6,400 *                | 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" Ctwt**

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 *               | 78.3             | 133.4                 | 9,100 *                    | 9,100 *                | 40                   |  |
| 90               | 45              | 50                   | 72.2              | 136.3                 | 13,500 *                   | 13,500 *               | 75.4             | 135.3                 | 11,400 *                   | 11,400 *               | 73.7             | 129.3                 | 7,900 *                    | 7,900 *                | 50                   |  |
| 90               | 45              | 60                   | 67.7              | 132.3                 | 12,200 *                   | 12,200 *               | 70.8             | 131.3                 | 9,900 *                    | 9,900 *                | 68.9             | 124.3                 | 7,500 *                    | 7,500 *                | 60                   |  |
| 90               | 45              | 70                   | 63                | 127.4                 | 10,600 *                   | 10,600 *               | 66.1             | 126.4                 | 8,300 *                    | 8,300 *                | 63.9             | 118.1                 | 7,200 *                    | 7,200 *                | 70                   |  |
| 90               | 45              | 80                   | 58.1              | 121.4                 | 9,000 *                    | 9,000 *                | 61.2             | 120.3                 | 7,700 *                    | 7,700 *                | 58.5             | 110.6                 | 6,800 *                    | 6,800 *                | 80                   |  |
| 90               | 45              | 90                   | 53                | 114.1                 | 7,800 *                    | 7,800 *                | 55.9             | 112.9                 | 7,300 *                    | 7,300 *                | 52.7             | 101.4                 | 6,000 *                    | 6,000 *                | 90                   |  |
| 90               | 45              | 100                  | 47.3              | 105.2                 | 7,400 *                    | 7,400 *                | 50.2             | 104                   | 7,000 *                    | 7,000 *                | 46.2             | 90                    | 5,100 *                    | 5,100 *                | 100                  |  |
| 90               | 45              | 110                  | 41.2              | 94.4                  | 7,000 *                    | 7,000 *                | 44               | 92.9                  | 6,100 *                    | 6,100 *                |                  |                       |                            |                        | 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" Ctwt**

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 *                   | 12,300 *               | 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" Ctwt                                    |                 |                      |                   |                       |                            |                        |                  |                       |                            |                        |                  |                       |                            |                        |                      |  |
|--|-----------------|----------------------|-------------------|-----------------------|----------------------------|------------------------|------------------|-----------------------|----------------------------|------------------------|------------------|-----------------------|----------------------------|------------------------|----------------------|--|
| 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 *               | 79.8             | 171.7                 | 9,900 *                    | 9,900 *                |                  |                       |                            |                        | 40                   |  |
| 110  | 60              | 50                   | 76.4              | 172.9                 | 11,700 *                   | 11,700 *               |                  |                       |                            |                        |                  |                       |                            |                        | 50                   |  |
| 110  | 60              | 60                   | 72.9              | 169.9                 | 10,700 *                   | 10,700 *               | 76.3             | 168.6                 | 9,000 *                    | 9,000 *                | 79.4             | 166.1                 | 7,100 *                    | 7,100 *                | 60                   |  |
| 110  | 60              | 70                   | 69.3              | 166.1                 | 9,800 *                    | 9,800 *                | 72.7             | 164.8                 | 8,000 *                    | 8,000 *                | 75.8             | 162.2                 | 6,200 *                    | 6,200 *                | 70                   |  |
| 110  | 60              | 80                   | 65.7              | 161.6                 | 8,800 *                    | 8,800 *                | 69               | 160.3                 | 7,000 *                    | 7,000 *                | 72               | 157.6                 | 5,800 *                    | 5,800 *                | 80                   |  |
| 110  | 60              | 90                   | 61.9              | 156.3                 | 7,800 *                    | 7,800 *                | 65.1             | 154.9                 | 6,000 *                    | 6,000 *                | 68.1             | 152.2                 | 5,500 *                    | 5,500 *                | 90                   |  |
| 110  | 60              | 100                  | 58                | 150.1                 | 6,700 *                    | 6,700 *                | 61.2             | 148.6                 | 5,700 *                    | 5,700 *                | 64.1             | 145.8                 | 5,200 *                    | 5,200 *                | 100                  |  |
| 110  | 60              | 110                  | 53.8              | 142.9                 | 5,900 *                    | 5,900 *                | 57               | 141.3                 | 5,400 *                    | 5,400 *                | 59.8             | 138.3                 | 4,500 *                    | 4,500 *                | 110                  |  |
| 110  | 60              | 120                  | 49.5              | 134.4                 | 5,600 *                    | 5,600 *                | 52.6             | 132.8                 | 5,100 *                    | 5,100 *                | 55.3             | 129.6                 | 3,800 *                    | 3,800 *                | 120                  |  |
| 110  | 60              | 130                  | 44.8              | 124.6                 | 5,300 *                    | 5,300 *                | 47.8             | 122.8                 | 4,700 *                    | 4,700 *                | 50.4             | 119.3                 | 3,200 *                    | 3,200 *                | 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 *               | 79.4             | 154.2                 | 16,800 *                   | 16,800 *               |                  |                       |                            |                        | 35                   |  |
| 120  | 30              | 40                   | 77.5              | 154.9                 | 20,400 *                   | 20,400 *               |                  |                       |                            |                        |                  |                       |                            |                        | 40                   |  |
| 120  | 30              | 50                   | 73.6              | 152.1                 | 18,600 *                   | 18,600 *               | 75.4             | 151.4                 | 15,700 *                   | 15,700 *               | 77.2             | 149.9                 | 13,500 *                   | 13,500 *               | 50                   |  |
| 120  | 30              | 60                   | 69.6              | 148.6                 | 16,800 *                   | 16,800 *               | 71.4             | 147.8                 | 14,700 *                   | 14,700 *               | 73.1             | 146.3                 | 12,800 *                   | 12,800 *               | 60                   |  |
| 120  | 30              | 70                   | 65.4              | 144.3                 | 15,700 *                   | 15,700 *               | 67.3             | 143.5                 | 13,600 *                   | 13,600 *               | 68.9             | 141.9                 | 12,300 *                   | 12,300 *               | 70                   |  |
| 120  | 30              | 80                   | 61.2              | 139                   | 14,600 *                   | 14,600 *               | 63               | 138.2                 | 12,700 *                   | 12,700 *               | 64.6             | 136.5                 | 11,900 *                   | 11,900 *               | 80                   |  |
| 120  | 30              | 90                   | 56.7              | 132.8                 | 13,400 *                   | 13,400 *               | 58.5             | 131.9                 | 12,300 *                   | 12,300 *               | 60               | 130.1                 | 11,500 *                   | 11,500 *               | 90                   |  |
| 120  | 30              | 100                  | 52                | 125.3                 | 12,600 *                   | 11,700                 | 53.7             | 124.4                 | 11,800 *                   | 11,800 *               | 55.2             | 122.5                 | 11,000 *                   | 11,000 *               | 100                  |  |
| 120  | 30              | 110                  | 47                | 116.5                 | 12,100                     | 10,000                 | 48.6             | 115.5                 | 11,300 *                   | 10,200                 | 50               | 113.4                 | 10,000 *                   | 10,000 *               | 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 *               | 78.1             | 166.7                 | 12,300 *                   | 12,300 *               |                  |                       |                            |                        | 40                   |  |
| 120  | 45              | 50                   | 75.5              | 167.8                 | 14,400 *                   | 14,400 *               |                  |                       |                            |                        |                  |                       |                            |                        | 50                   |  |
| 120  | 45              | 60                   | 71.9              | 164.6                 | 13,500 *                   | 13,500 *               | 74.5             | 163.5                 | 11,100 *                   | 11,100 *               | 76.9             | 161.4                 | 8,600 *                    | 8,600 *                | 60                   |  |
| 120  | 45              | 70                   | 68.2              | 160.7                 | 12,400 *                   | 12,400 *               | 70.8             | 159.6                 | 9,900 *                    | 9,900 *                | 73.1             | 157.4                 | 7,800 *                    | 7,800 *                | 70                   |  |

**LS-218H II - w/ 48" x 48" Angle Boom, w/ 24" x 32" Tube Jib, w/ "AB" Ctwt**

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                   |  |
|                  | 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                   |  |
|                  | 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                  |  |
|                  | 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                  |  |
|                  | 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                  |  |
|                  | 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                  |  |
|                  | 45              | 140                  | 37                | 104.5                 | 6,500 *                    | 6,500 *                | 39.2             | 102.8                 | 5,500 *                    | 5,500 *                |                  |                       |                            |                        | 140                  |  |
|                  | 45              | 150                  | 30.6              | 88.8                  | 5,700 *                    | 5,700 *                |                  |                       |                            |                        |                  |                       |                            |                        | 150                  |  |
| 120              | 60              | 41.26                | 80                | 185.3                 | 12,600 *                   | 12,600 *               |                  |                       |                            |                        |                  |                       |                            |                        | 41.26                |  |
|                  | 60              | 50                   | 77.2              | 183.3                 | 11,900 *                   | 11,900 *               |                  |                       |                            |                        |                  |                       |                            |                        | 50                   |  |
|                  | 60              | 60                   | 73.9              | 180.4                 | 11,000 *                   | 11,000 *               | 77               | 179.1                 | 9,200 *                    | 9,200 *                |                  |                       |                            |                        | 60                   |  |
|                  | 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                   |  |
|                  | 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                   |  |
|                  | 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                   |  |
|                  | 60              | 100                  | 60                | 162                   | 7,300 *                    | 7,300 *                | 63               | 160.5                 | 5,800 *                    | 5,800 *                | 65.8             | 157.6                 | 5,000 *                    | 5,000 *                | 100                  |  |
|                  | 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                  |  |
|                  | 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                  |  |
|                  | 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                  |  |
|                  | 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                  |  |
|                  | 60              | 150                  | 38.4              | 116.2                 | 4,700 *                    | 4,700 *                | 41.2             | 114.2                 | 3,600 *                    | 3,600 *                |                  |                       |                            |                        | 150                  |  |
|                  | 60              | 160                  | 32.8              | 101.4                 | 4,000 *                    | 4,000 *                | 35.4             | 99                    | 3,000 *                    | 3,000 *                |                  |                       |                            |                        | 160                  |  |
|                  | 60              | 170                  | 26                | 82.4                  | 3,100 *                    | 3,100 *                |                  |                       |                            |                        |                  |                       |                            |                        | 170                  |  |
| 130              | 30              | 35.23                | 80                | 166.2                 | 21,600 *                   | 21,600 *               |                  |                       |                            |                        |                  |                       |                            |                        | 35.23                |  |
|                  | 30              | 40                   | 78.3              | 165.2                 | 20,800 *                   | 20,800 *               |                  |                       |                            |                        |                  |                       |                            |                        | 40                   |  |
|                  | 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                   |  |
|                  | 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                   |  |
|                  | 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                   |  |
|                  | 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                   |  |
|                  | 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                   |  |
|                  | 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                  |  |
|                  | 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                  |  |
|                  | 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                  |  |
|                  | 30              | 130                  | 40                | 109.4                 | 8,800                      | 7,100                  | 41.6             | 108.3                 | 8,400 *                    | 7,200                  |                  |                       |                            |                        | 130                  |  |
|                  | 30              | 140                  | 34                | 95.7                  | 7,600                      | 6,100                  | 35.5             | 94.4                  | 7,400 *                    | 6,200                  |                  |                       |                            |                        | 140                  |  |
|                  | 30              | 150                  | 26.8              | 78.1                  | 6,600                      | 5,200                  |                  |                       |                            |                        |                  |                       |                            |                        | 150                  |  |
| 130              | 45              | 39.11                | 80                | 180.7                 | 15,600 *                   | 15,600 *               |                  |                       |                            |                        |                  |                       |                            |                        | 39.11                |  |
|                  | 45              | 40                   | 79.7              | 180.5                 | 15,500 *                   | 15,500 *               |                  |                       |                            |                        |                  |                       |                            |                        | 40                   |  |
|                  | 45              | 50                   | 76.4              | 178.1                 | 14,600 *                   | 14,600 *               | 78.8             | 177.1                 | 12,600 *                   | 12,600 *               |                  |                       |                            |                        | 50                   |  |
|                  | 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                   |  |
|                  | 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                   |  |
|                  | 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                   |  |
|                  | 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                   |  |
|                  | 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                  |  |
|                  | 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                  |  |
|                  | 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                  |  |
|                  | 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                  |  |
|                  | 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" Ctwt**

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                  |       |    |
|                  |                 | 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 *                |                  |                       |                            |                        |                      | 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 *               | 77.2             | 172.2                 | 16,200 *                   | 16,200 *               | 78.7             | 170.7                 | 13,900 *                   | 13,900 *               |                      | 40    |    |
| 140              | 30              | 50                   | 75.5              | 173                   | 19,500 *                   | 19,500 *               | 73.7             | 169.1                 | 15,300 *                   | 15,300 *               | 75.2             | 167.5                 | 13,000 *                   | 13,000 *               |                      | 50    |    |
| 140              | 30              | 60                   | 72                | 169.9                 | 17,900 *                   | 17,900 *               | 70.1             | 165.3                 | 14,300 *                   | 14,300 *               | 71.6             | 163.7                 | 12,600 *                   | 12,600 *               |                      | 60    |    |
| 140              | 30              | 70                   | 68.5              | 166.2                 | 16,500 *                   | 16,500 *               | 66.4             | 160.8                 | 13,300 *                   | 13,300 *               | 67.9             | 159.2                 | 12,200 *                   | 12,200 *               |                      | 70    |    |
| 140              | 30              | 80                   | 64.8              | 161.7                 | 15,600 *                   | 15,600 *               | 13,300           | 62.6                  | 155.5                      | 12,700 *               | 12,700 *         | 64                    | 153.8                      | 11,200 *               | 11,200 *             |       | 80 |
| 140              | 30              | 90                   | 61                | 156.3                 | 14,600 *                   | 14,600 *               | 58.7             | 149.2                 | 11,400 *                   | 11,400 *               | 60               | 147.4                 | 9,400 *                    | 9,400 *                |                      | 90    |    |
| 140              | 30              | 100                  | 57.1              | 150.1                 | 12,700 *                   | 11,100                 | 54.5             | 142                   | 9,700 *                    | 9,600                  | 55.8             | 140.1                 | 8,000 *                    | 8,000 *                |                      | 100   |    |
| 140              | 30              | 110                  | 53                | 142.9                 | 10,900 *                   | 9,400                  | 50.1             | 133.5                 | 8,400 *                    | 8,200                  | 51.3             | 131.5                 | 6,800 *                    | 6,800 *                |                      | 110   |    |
| 140              | 30              | 120                  | 48.6              | 134.5                 | 9,500 *                    | 8,000                  | 45.4             | 123.5                 | 7,300 *                    | 6,900                  | 46.5             | 121.3                 | 5,900 *                    | 5,900 *                |                      | 120   |    |
| 140              | 30              | 130                  | 43.9              | 124.6                 | 8,300 *                    | 6,800                  | 40.2             | 111.7                 | 6,400 *                    | 5,900                  |                  |                       |                            |                        |                      | 130   |    |
| 140              | 30              | 140                  | 38.8              | 112.9                 | 7,300 *                    | 5,800                  |                  |                       |                            |                        |                  |                       |                            |                        |                      | 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 *               | 79.4             | 187.4                 | 12,800 *                   | 12,800 *               | 78.4             | 182.4                 | 9,100 *                    | 9,100 *                |                      | 40.85 |    |
| 140              | 45              | 50                   | 77.1              | 188.5                 | 14,800 *                   | 14,800 *               | 76.2             | 184.6                 | 11,700 *                   | 11,700 *               | 75.1             | 178.9                 | 8,000 *                    | 8,000 *                |                      | 50    |    |
| 140              | 45              | 60                   | 73.9              | 185.7                 | 14,000 *                   | 14,000 *               | 73               | 181.1                 | 10,600 *                   | 10,600 *               | 71.7             | 174.8                 | 7,700 *                    | 7,700 *                |                      | 60    |    |
| 140              | 45              | 70                   | 70.7              | 182.2                 | 13,100 *                   | 13,100 *               | 69.6             | 177                   | 9,500 *                    | 9,500 *                | 68.2             | 169.9                 | 7,500 *                    | 7,500 *                |                      | 70    |    |
| 140              | 45              | 80                   | 67.4              | 178.2                 | 12,100 *                   | 12,100 *               | 66.2             | 172.2                 | 8,300 *                    | 8,300 *                | 64.6             | 164.2                 | 6,300 *                    | 6,300 *                |                      | 80    |    |
| 140              | 45              | 90                   | 64                | 173.4                 | 10,900 *                   | 10,900 *               | 62.7             | 166.6                 | 7,800 *                    | 7,800 *                | 60.9             | 157.7                 | 5,300 *                    | 5,300 *                |                      | 90    |    |
| 140              | 45              | 100                  | 60.5              | 167.8                 | 9,800 *                    | 9,800 *                | 59               | 160.2                 | 7,300 *                    | 7,300 *                | 57               | 150.1                 | 4,500 *                    | 4,500 *                |                      | 100   |    |
| 140              | 45              | 110                  | 56.8              | 161.4                 | 8,600 *                    | 8,600 *                | 55.1             | 152.8                 | 6,200 *                    | 6,200 *                | 52.8             | 141.4                 | 3,800 *                    | 3,800 *                |                      | 110   |    |
| 140              | 45              | 120                  | 53                | 154.1                 | 7,700 *                    | 7,700 *                | 51.1             | 144.2                 | 5,400 *                    | 5,400 *                | 48.4             | 131.3                 | 3,300 *                    | 3,300 *                |                      | 120   |    |
| 140              | 45              | 130                  | 49                | 145.6                 | 6,700 *                    | 6,700 *                | 46.7             | 134.3                 | 4,700 *                    | 4,700 *                |                  |                       |                            |                        |                      | 130   |    |
| 140              | 45              | 140                  | 44.7              | 135.9                 | 5,800 *                    | 5,800 *                | 42               | 122.7                 | 4,100 *                    | 4,100 *                |                  |                       |                            |                        |                      | 140   |    |
| 140              | 45              | 150                  | 40                | 124.4                 | 5,200 *                    | 5,100                  | 36.7             | 108.9                 | 3,600 *                    | 3,600 *                |                  |                       |                            |                        |                      | 150   |    |
| 140              | 45              | 160                  | 34.8              | 110.8                 | 4,600 *                    | 4,400 *                |                  |                       |                            |                        |                  |                       |                            |                        |                      | 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" Ctwt**

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 *                |                  |                       |                            |                        | 70                   |  |
| 140              | 60              | 80                   | 69.5              | 194.4                 | 9,800 *                    | 9,800 *                | 72.3             | 193                   | 7,900 *                    | 7,900 *                | 78.1             | 194.1                 | 6,800 *                    | 6,800 *                | 80                   |  |
| 140              | 60              | 90                   | 66.4              | 190                   | 9,000 *                    | 9,000 *                | 69.2             | 188.6                 | 7,100 *                    | 7,100 *                | 75               | 190.3                 | 5,900 *                    | 5,900 *                | 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" Ctwt                                    |                 |                      |                   |                       |                            |                        |                  |                       |                            |                        |                  |                       |                            |                        |                      |  |
|--|-----------------|----------------------|-------------------|-----------------------|----------------------------|------------------------|------------------|-----------------------|----------------------------|------------------------|------------------|-----------------------|----------------------------|------------------------|----------------------|--|
| 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 *                | 78.7             | 204.6                 | 6,900 *                    | 6,900 *                | 60                   |  |
| 150  | 60              | 70                   | 73.4              | 208.7                 | 10,900 *                   | 10,900 *               | 76.1             | 207.3                 | 8,900 *                    | 8,900 *                | 75.7             | 201                   | 6,100 *                    | 6,100 *                | 70                   |  |
| 150  | 60              | 80                   | 70.5              | 205.1                 | 10,100 *                   | 10,100 *               | 73.2             | 203.7                 | 8,100 *                    | 8,100 *                | 72.7             | 196.8                 | 4,900 *                    | 4,900 *                | 80                   |  |
| 150  | 60              | 90                   | 67.6              | 201                   | 8,800 *                    | 8,800 *                | 70.3             | 199.6                 | 7,000 *                    | 7,000 *                | 69.7             | 191.9                 | 4,000 *                    | 4,000 *                | 90                   |  |
| 150  | 60              | 100                  | 64.6              | 196.3                 | 7,400 *                    | 7,400 *                | 67.3             | 194.8                 | 5,900 *                    | 5,900 *                | 66.5             | 186.4                 | 3,300 *                    | 3,300 *                | 100                  |  |
| 150  | 60              | 110                  | 61.5              | 190.9                 | 6,300 *                    | 6,300 *                | 64.1             | 189.4                 | 4,900 *                    | 4,900 *                | 63.3             | 180.1                 | 2,800 *                    | 2,800 *                | 110                  |  |
| 150  | 60              | 120                  | 58.4              | 184.8                 | 5,400 *                    | 5,400 *                | 60.9             | 183.2                 | 4,200 *                    | 4,200 *                | 59.9             | 173                   | 2,400 *                    | 2,400 *                | 120                  |  |
| 150  | 60              | 130                  | 55.1              | 177.9                 | 4,700 *                    | 4,700 *                | 57.6             | 176.2                 | 3,600 *                    | 3,600 *                | 56.3             | 164.9                 | 2,000 *                    | 2,000 *                | 130                  |  |
| 150  | 60              | 140                  | 51.6              | 170                   | 4,100 *                    | 4,100 *                | 54.1             | 168.3                 | 3,100 *                    | 3,100 *                |                  |                       |                            |                        | 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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LS-218H II

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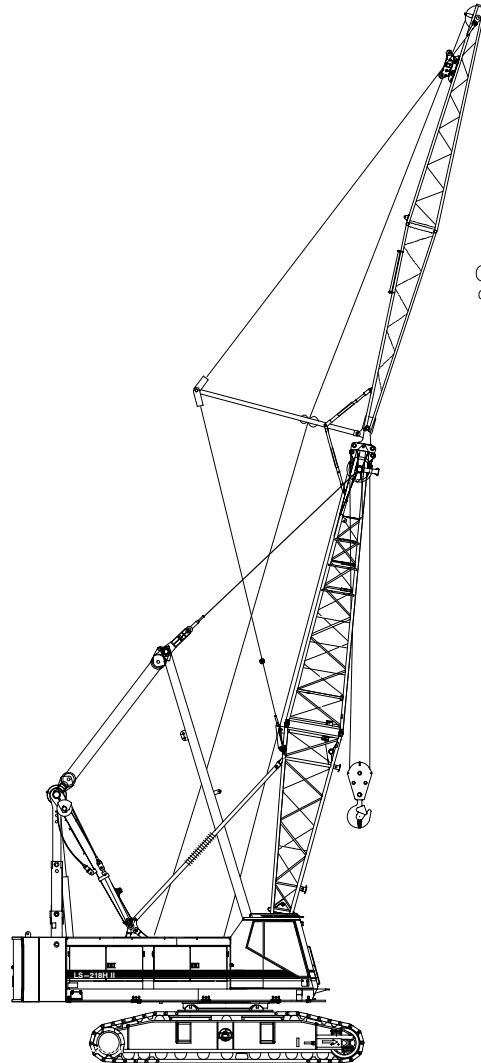
# Jib Capacities

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

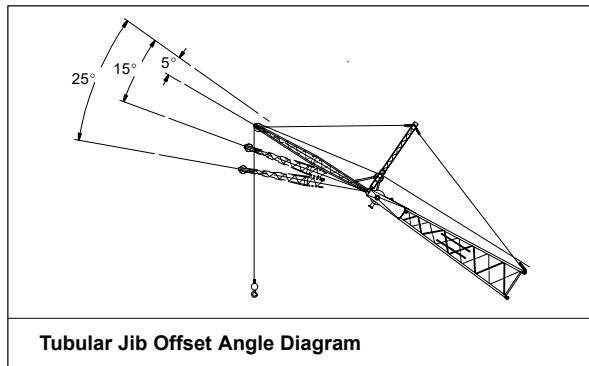
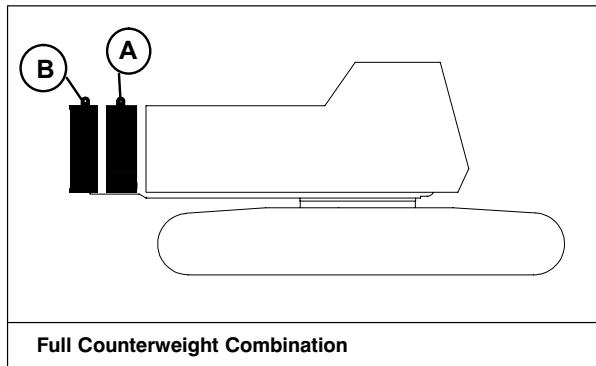


**CAUTION:** This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual to determine allowable machine lifting capacities and operating procedures.



## TUBULAR JIB NOTES FOR TUBE BOOM

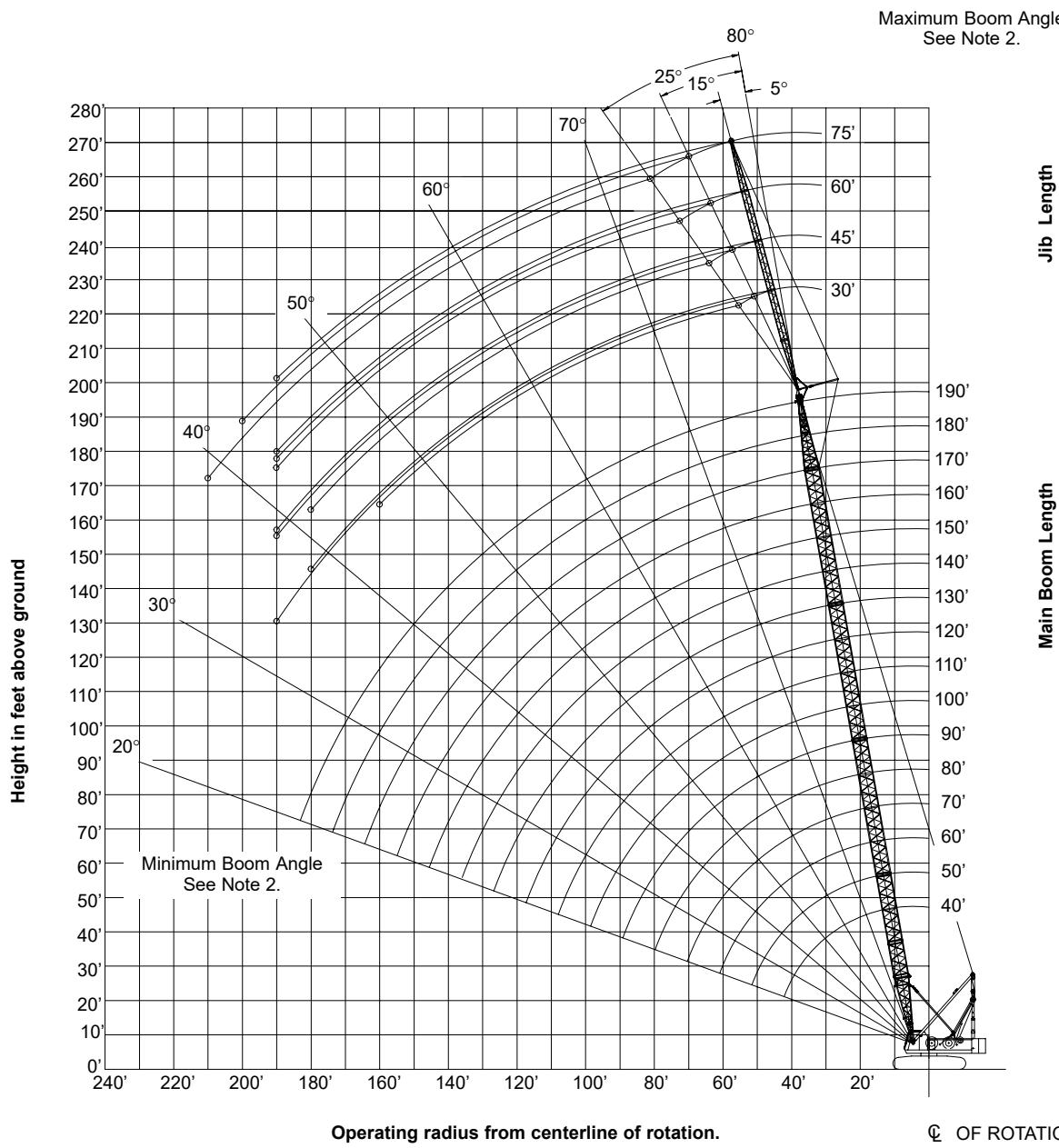
1. Capacities are for a LS-218H II crawler crane with "AB" counterweight.
2. Separate capacity charts are listed for 360° and for over end blocked crawler working areas. Verify operating conditions as described on the Working Area Chart found in the general information section. Apply the appropriate 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 asterisk 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



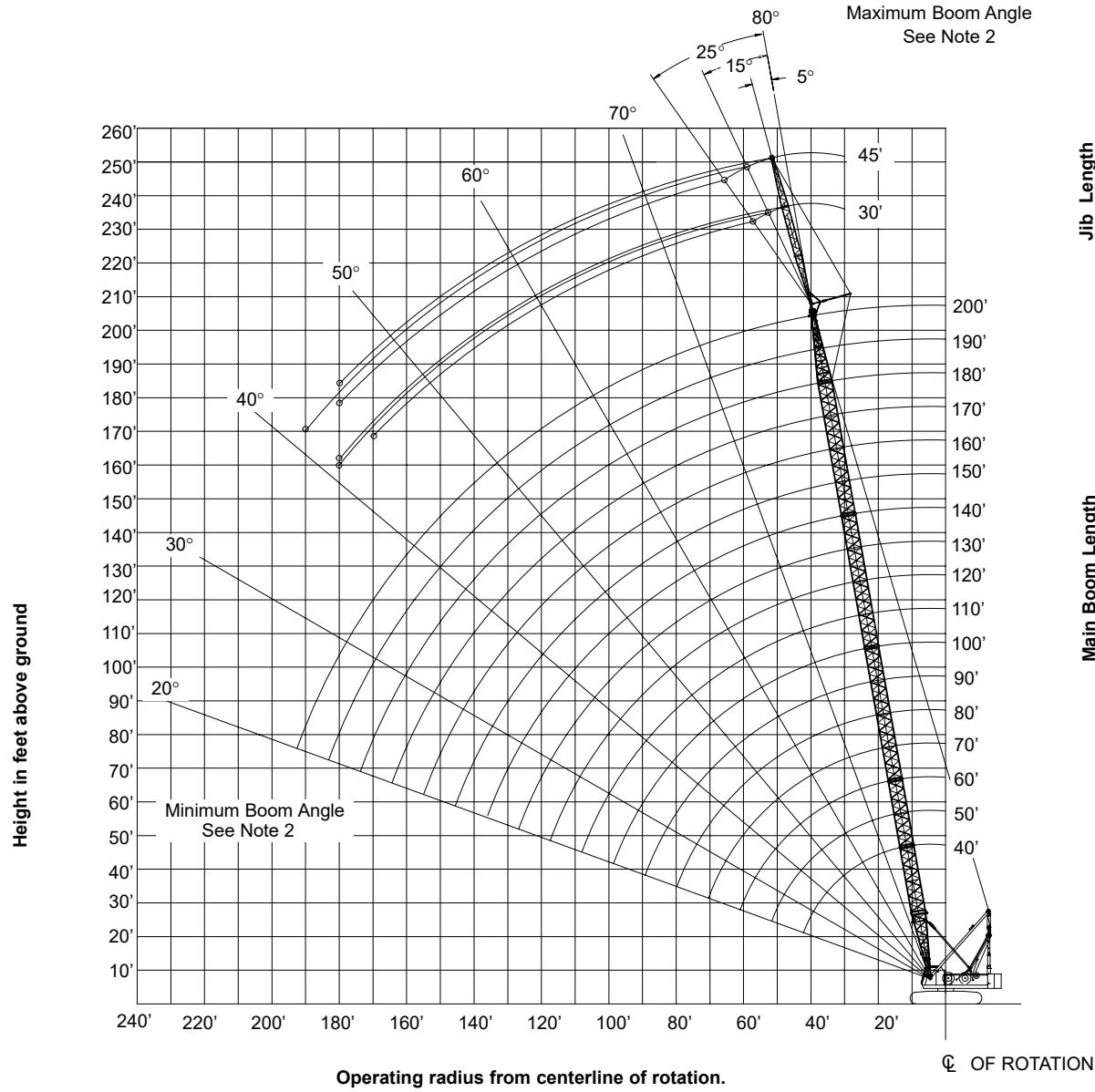
## Notes:

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" Ctwt**

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 *                |                  |                       |                             |                         | 30                   |  |
| 40               | 30              | 35                   | 67.2              | 72.9                  | 24,000 *                    | 24,000 *                | 71.1             | 72.3                  | 24,000 *                    | 24,000 *                |                  |                       |                             |                         | 35                   |  |
| 40               | 30              | 40                   | 62.7              | 70.4                  | 24,000 *                    | 24,000 *                | 66.6             | 69.8                  | 22,700 *                    | 22,700 *                |                  |                       |                             |                         | 40                   |  |
| 40               | 30              | 50                   | 53.1              | 63.6                  | 22,700 *                    | 22,700 *                | 56.9             | 62.9                  | 19,500 *                    | 19,500 *                |                  |                       |                             |                         | 50                   |  |
| 40               | 30              | 60                   | 41.9              | 53.7                  | 19,700 *                    | 19,700 *                | 45.6             | 52.9                  | 16,400 *                    | 16,400 *                |                  |                       |                             |                         | 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 *                |                  |                       |                             |                         | 40                   |  |
| 40               | 45              | 50                   | 61.2              | 81.9                  | 18,000 *                    | 18,000 *                | 66.1             | 81.1                  | 14,300 *                    | 14,300 *                |                  |                       |                             |                         | 50                   |  |
| 40               | 45              | 60                   | 53.1              | 74.8                  | 14,600 *                    | 14,600 *                | 57.9             | 73.9                  | 11,900 *                    | 11,900 *                |                  |                       |                             |                         | 60                   |  |
| 40               | 45              | 70                   | 44.0              | 65.1                  | 12,300 *                    | 12,300 *                | 48.6             | 64.1                  | 10,300 *                    | 10,300 *                |                  |                       |                             |                         | 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 *                |                  |                       |                             |                         | 50                   |  |
| 40               | 60              | 60                   | 60.1              | 93.3                  | 11,800 *                    | 11,800 *                | 65.7             | 92.4                  | 9,600 *                     | 9,600 *                 |                  |                       |                             |                         | 60                   |  |
| 40               | 60              | 70                   | 53.1              | 85.9                  | 9,900 *                     | 9,900 *                 | 58.6             | 85.0                  | 8,200 *                     | 8,200 *                 |                  |                       |                             |                         | 70                   |  |
| 40               | 60              | 80                   | 45.4              | 76.4                  | 8,500 *                     | 8,500 *                 | 50.8             | 75.3                  | 7,200 *                     | 7,200 *                 |                  |                       |                             |                         | 80                   |  |
| 40               | 60              | 90                   | 36.2              | 63.5                  | 7,500 *                     | 7,500 *                 | 41.4             | 62.1                  | 6,400 *                     | 6,400 *                 |                  |                       |                             |                         | 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 *                 |                  |                       |                             |                         | 60                   |  |
| 40               | 75              | 70                   | 59.3              | 104.7                 | 8,400 *                     | 8,400 *                 | 65.4             | 103.7                 | 6,800 *                     | 6,800 *                 |                  |                       |                             |                         | 70                   |  |
| 40               | 75              | 80                   | 53.1              | 97.1                  | 7,200 *                     | 7,200 *                 | 59.2             | 96.0                  | 5,900 *                     | 5,900 *                 |                  |                       |                             |                         | 80                   |  |
| 40               | 75              | 90                   | 46.4              | 87.6                  | 6,300 *                     | 6,300 *                 | 52.4             | 86.4                  | 5,200 *                     | 5,200 *                 |                  |                       |                             |                         | 90                   |  |
| 40               | 75              | 100                  | 38.7              | 75.4                  | 5,500 *                     | 5,500 *                 | 44.5             | 74.0                  | 4,700 *                     | 4,700 *                 |                  |                       |                             |                         | 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 *                |                  |                       |                             |                         | 35                   |  |
| 50               | 30              | 40                   | 66.3              | 81.6                  | 24,000 *                    | 24,000 *                | 69.7             | 81.0                  | 23,100 *                    | 23,100 *                |                  |                       |                             |                         | 40                   |  |
| 50               | 30              | 50                   | 58.3              | 76.0                  | 24,000 *                    | 24,000 *                | 61.6             | 75.3                  | 21,500 *                    | 21,500 *                |                  |                       |                             |                         | 50                   |  |
| 50               | 30              | 60                   | 49.4              | 68.2                  | 22,500 *                    | 22,500 *                | 52.7             | 67.4                  | 18,100 *                    | 18,100 *                |                  |                       |                             |                         | 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" Ctwt**

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) |                      |  |
| 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 *                |                  |                       |                             |                         | 40                   |  |
| 50               | 45              | 50                   | 64.5              | 93.4                  | 20,000 *                    | 20,000 *                | 68.8             | 92.5                  | 15,300 *                    | 15,300 *                |                  |                       |                             |                         | 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 *                |                  |                       |                             |                         | 50                   |  |
| 50               | 60              | 60                   | 63.1              | 105.0                 | 13,000 *                    | 13,000 *                | 68.2             | 104.0                 | 10,200 *                    | 10,200 *                |                  |                       |                             |                         | 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 *                 |                  |                       |                             |                         | 60                   |  |
| 50               | 75              | 70                   | 62.0              | 116.5                 | 9,100 *                     | 9,100 *                 | 67.6             | 115.4                 | 7,200 *                     | 7,200 *                 |                  |                       |                             |                         | 70                   |  |
| 50               | 75              | 80                   | 56.6              | 109.8                 | 7,800 *                     | 7,800 *                 | 62.2             | 108.7                 | 6,300 *                     | 6,300 *                 |                  |                       |                             |                         | 80                   |  |
| 50               | 75              | 90                   | 50.7              | 101.6                 | 6,800 *                     | 6,800 *                 | 56.3             | 100.4                 | 5,600 *                     | 5,600 *                 |                  |                       |                             |                         | 90                   |  |
| 50               | 75              | 100                  | 44.3              | 91.5                  | 6,000 *                     | 6,000 *                 | 49.7             | 90.1                  | 5,000 *                     | 5,000 *                 |                  |                       |                             |                         | 100                  |  |
| 50               | 75              | 110                  | 36.9              | 78.5                  | 5,400 *                     | 5,400 *                 | 42.2             | 76.9                  | 4,500 *                     | 4,500 *                 |                  |                       |                             |                         | 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 *                |                  |                       |                             |                         | 35                   |  |
| 60               | 30              | 40                   | 69.0              | 92.6                  | 24,000 *                    | 24,000 *                | 72.1             | 91.9                  | 24,000 *                    | 24,000 *                |                  |                       |                             |                         | 40                   |  |
| 60               | 30              | 50                   | 62.1              | 87.7                  | 24,000 *                    | 24,000 *                | 65.1             | 87.0                  | 22,700 *                    | 22,700 *                |                  |                       |                             |                         | 50                   |  |
| 60               | 30              | 60                   | 54.7              | 81.1                  | 22,700 *                    | 22,700 *                | 57.6             | 80.4                  | 19,700 *                    | 19,700 *                |                  |                       |                             |                         | 60                   |  |
| 60               | 30              | 70                   | 46.4              | 72.4                  | 21,200 *                    | 21,200 *                | 49.3             | 71.5                  | 17,200 *                    | 17,200 *                |                  |                       |                             |                         | 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 *                |                  |                       |                             |                         | 50                   |  |
| 60               | 45              | 60                   | 61.0              | 99.2                  | 17,800 *                    | 17,800 *                | 64.9             | 98.3                  | 13,800 *                    | 13,800 *                |                  |                       |                             |                         | 60                   |  |
| 60               | 45              | 70                   | 54.5              | 92.3                  | 15,000 *                    | 15,000 *                | 58.3             | 91.3                  | 12,000 *                    | 12,000 *                |                  |                       |                             |                         | 70                   |  |
| 60               | 45              | 80                   | 47.4              | 83.6                  | 13,000 *                    | 13,000 *                | 51.1             | 82.5                  | 10,700 *                    | 10,700 *                |                  |                       |                             |                         | 80                   |  |
| 60               | 45              | 90                   | 39.2              | 72.2                  | 11,400 *                    | 11,400 *                | 42.9             | 70.9                  | 9,600 *                     | 9,600 *                 |                  |                       |                             |                         | 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" Ctwt**

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) |                      |  |
| 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 *                | 79.3             | 129.5                 | 6,600 *                     | 6,600 *                 | 50                   |  |
| 60               | 75              | 60                   | 68.9              | 132.9                 | 11,600 *                    | 11,600 *                | 74.2             | 131.8                 | 8,800 *                     | 8,800 *                 | 74.5             | 124.4                 | 5,800 *                     | 5,800 *                 | 60                   |  |
| 60               | 75              | 70                   | 64.2              | 128.0                 | 9,800 *                     | 9,800 *                 | 69.5             | 126.8                 | 7,600 *                     | 7,600 *                 | 69.4             | 118.3                 | 5,100 *                     | 5,100 *                 | 70                   |  |
| 60               | 75              | 80                   | 59.4              | 122.0                 | 8,400 *                     | 8,400 *                 | 64.6             | 120.8                 | 6,700 *                     | 6,700 *                 | 64.1             | 110.8                 | 4,600 *                     | 4,600 *                 | 80                   |  |
| 60               | 75              | 90                   | 54.2              | 114.7                 | 7,300 *                     | 7,300 *                 | 59.3             | 113.4                 | 5,900 *                     | 5,900 *                 | 63.7             | 104.5                 | 4,200 *                     | 4,200 *                 | 90                   |  |
| 60               | 75              | 100                  | 48.6              | 106.0                 | 6,500 *                     | 6,500 *                 | 53.7             | 104.5                 | 5,300 *                     | 5,300 *                 | 51.8             | 90.2                  | 3,900 *                     | 3,900 *                 | 100                  |  |
| 60               | 75              | 110                  | 42.5              | 95.2                  | 5,800 *                     | 5,800 *                 | 47.4             | 93.5                  | 4,800 *                     | 4,800 *                 |                  |                       |                             |                         | 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 *                | 79.6             | 103.0                 | 20,900 *                    | 20,900 *                | 30                   |  |
| 70               | 30              | 35                   | 74.2              | 105.0                 | 24,000 *                    | 24,000 *                | 77.0             | 104.3                 | 24,000 *                    | 24,000 *                | 76.6             | 101.3                 | 19,500 *                    | 19,500 *                | 35                   |  |
| 70               | 30              | 40                   | 71.2              | 103.3                 | 24,000 *                    | 24,000 *                | 74.0             | 102.6                 | 24,000 *                    | 24,000 *                | 70.3             | 96.8                  | 17,300 *                    | 17,300 *                | 40                   |  |
| 70               | 30              | 50                   | 65.1              | 99.0                  | 24,000 *                    | 24,000 *                | 67.8             | 98.3                  | 22,600 *                    | 22,600 *                | 63.7             | 91.0                  | 15,700 *                    | 15,700 *                | 50                   |  |
| 70               | 30              | 60                   | 58.6              | 93.3                  | 24,000 *                    | 24,000 *                | 61.3             | 92.5                  | 21,200 *                    | 21,200 *                | 56.5             | 83.4                  | 14,400 *                    | 14,400 *                | 60                   |  |
| 70               | 30              | 70                   | 51.7              | 86.0                  | 22,700 *                    | 22,700 *                | 54.3             | 85.1                  | 18,600 *                    | 18,600 *                | 48.5             | 73.5                  | 13,400 *                    | 13,400 *                | 70                   |  |
| 70               | 30              | 80                   | 43.9              | 76.4                  | 20,300 *                    | 20,300 *                | 46.4             | 75.4                  | 16,500 *                    | 16,500 *                |                  |                       |                             |                         | 80                   |  |
| 70               | 30              | 90                   | 34.8              | 63.5                  | 17,800 *                    | 17,800 *                | 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 *                | 76.2             | 112.7                 | 12,600 *                    | 12,600 *                | 40                   |  |
| 70               | 45              | 50                   | 69.1              | 115.5                 | 22,600 *                    | 22,600 *                | 72.8             | 114.5                 | 17,200 *                    | 17,200 *                | 70.6             | 107.8                 | 11,100 *                    | 11,100 *                | 50                   |  |
| 70               | 45              | 60                   | 63.7              | 110.7                 | 19,400 *                    | 19,400 *                | 67.3             | 109.7                 | 14,700 *                    | 14,700 *                | 64.8             | 101.6                 | 10,000 *                    | 10,000 *                | 60                   |  |
| 70               | 45              | 70                   | 58.0              | 104.7                 | 16,400 *                    | 16,400 *                | 61.5             | 103.6                 | 12,800 *                    | 12,800 *                | 51.4             | 93.8                  | 9,100 *                     | 9,100 *                 | 70                   |  |
| 70               | 45              | 80                   | 51.8              | 97.1                  | 14,100 *                    | 14,100 *                | 55.3             | 96.0                  | 11,400 *                    | 11,400 *                | 48.5             | 86.4                  | 8,400 *                     | 8,400 *                 | 80                   |  |
| 70               | 45              | 90                   | 45.1              | 87.6                  | 12,400 *                    | 12,400 *                | 40.6             | 74.0                  | 10,300 *                    | 10,300 *                |                  |                       |                             |                         | 90                   |  |
| 70               | 45              | 100                  | 37.4              | 75.4                  | 11,100 *                    | 11,100 *                |                  |                       | 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 *                | 75.9             | 124.1                 | 8,500 *                     | 8,500 *                 | 50                   |  |
| 70               | 60              | 60                   | 67.5              | 127.4                 | 15,100 *                    | 15,100 *                | 71.8             | 126.3                 | 11,300 *                    | 11,300 *                |                  |                       |                             |                         | 60                   |  |

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

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) |                      |  |
| 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 *                | 78.2             | 114.7                 | 24,000 *                    | 24,000 *                |                  |                       |                             |                         | 30                   |  |
| 80               | 30              | 35                   | 75.6              | 115.4                 | 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 *                | 79.0             | 128.7                 | 21,600 *                    | 21,600 *                |                  |                       |                             |                         | 35                   |  |
| 80               | 45              | 40                   | 75.6              | 129.6                 | 24,000 *                    | 24,000 *                |                  |                       |                             |                         |                  |                       |                             |                         | 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" Ctwt**

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) |                      |  |
| 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 *                |                  |                       |                             |                         |                  |                       |                             |                         | 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 *                | 76.3             | 153.2                 | 9,500 *                     | 9,500 *                 |                  |                       |                             |                         | 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 *                 |                  |                       |                             |                         | 80                   |  |
| 80               | 75              | 90                   | 59.5              | 139.3                 | 8,400 *                     | 8,400 *                 | 63.9             | 137.9                 | 6,500 *                     | 6,500 *                 |                  |                       |                             |                         | 90                   |  |
| 80               | 75              | 100                  | 55.0              | 132.3                 | 7,400 *                     | 7,400 *                 | 59.4             | 130.8                 | 5,900 *                     | 5,900 *                 |                  |                       |                             |                         | 100                  |  |
| 80               | 75              | 110                  | 50.2              | 124.0                 | 6,700 *                     | 6,700 *                 | 54.6             | 122.3                 | 5,400 *                     | 5,400 *                 |                  |                       |                             |                         | 110                  |  |
| 80               | 75              | 120                  | 45.1              | 114.1                 | 6,100 *                     | 6,100 *                 | 49.4             | 112.3                 | 4,900 *                     | 4,900 *                 |                  |                       |                             |                         | 120                  |  |
| 80               | 75              | 130                  | 39.4              | 102.1                 | 5,500 *                     | 5,500 *                 | 43.6             | 100.1                 | 4,600 *                     | 4,600 *                 |                  |                       |                             |                         | 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 *                |                  |                       |                             |                         |                  |                       |                             |                         | 28.38                |  |
| 90               | 30              | 30                   | 79.2              | 127.0                 | 24,000 *                    | 24,000 *                |                  |                       |                             |                         |                  |                       |                             |                         | 30                   |  |
| 90               | 30              | 35                   | 76.8              | 125.8                 | 24,000 *                    | 24,000 *                |                  |                       |                             |                         |                  |                       |                             |                         | 35                   |  |
| 90               | 30              | 40                   | 74.4              | 124.4                 | 24,000 *                    | 24,000 *                |                  |                       |                             |                         |                  |                       |                             |                         | 40                   |  |
| 90               | 30              | 50                   | 69.4              | 120.9                 | 24,000 *                    | 24,000 *                |                  |                       |                             |                         |                  |                       |                             |                         | 50                   |  |
| 90               | 30              | 60                   | 64.3              | 116.3                 | 24,000 *                    | 24,000 *                |                  |                       |                             |                         |                  |                       |                             |                         | 60                   |  |
| 90               | 30              | 70                   | 58.9              | 110.6                 | 23,300 *                    | 21,600                  | 66.5             | 115.6                 | 22,600 *                    | 22,600 *                |                  |                       |                             |                         | 70                   |  |
| 90               | 30              | 80                   | 53.1              | 103.6                 | 21,000                      | 17,900                  | 61.1             | 109.8                 | 21,100 *                    | 21,100 *                |                  |                       |                             |                         | 80                   |  |
| 90               | 30              | 90                   | 46.9              | 94.8                  | 17,800                      | 15,200                  | 49.0             | 93.9                  | 17,100 *                    | 15,400                  |                  |                       |                             |                         | 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 *                |                  |                       |                             |                         |                  |                       |                             |                         | 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 *                |                  |                       |                             |                         |                  |                       |                             |                         | 50                   |  |
| 90               | 45              | 60                   | 67.8              | 132.9                 | 22,100 *                    | 22,100 *                |                  |                       |                             |                         |                  |                       |                             |                         | 60                   |  |
| 90               | 45              | 70                   | 63.2              | 128.0                 | 19,100 *                    | 19,100 *                |                  |                       |                             |                         |                  |                       |                             |                         | 70                   |  |
| 90               | 45              | 80                   | 58.3              | 122.0                 | 16,500 *                    | 16,500 *                |                  |                       |                             |                         |                  |                       |                             |                         | 80                   |  |
| 90               | 45              | 90                   | 53.1              | 114.8                 | 14,500 *                    | 14,500 *                |                  |                       |                             |                         |                  |                       |                             |                         | 90                   |  |
| 90               | 45              | 100                  | 47.6              | 106.0                 | 13,000 *                    | 13,000 *                |                  |                       |                             |                         |                  |                       |                             |                         | 100                  |  |
| 90               | 45              | 110                  | 41.4              | 95.2                  | 11,700 *                    | 11,500                  | 44.2             | 93.7                  | 9,700 *                     | 9,700 *                 |                  |                       |                             |                         | 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 *                |                  |                       |                             |                         |                  |                       |                             |                         | 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 *                |                  |                       |                             |                         |                  |                       |                             |                         | 60                   |  |
| 90               | 60              | 70                   | 66.5              | 144.8                 | 14,500 *                    | 14,500 *                |                  |                       |                             |                         |                  |                       |                             |                         | 70                   |  |
| 90               | 60              | 80                   | 62.3              | 139.6                 | 12,600 *                    | 12,600 *                |                  |                       |                             |                         |                  |                       |                             |                         | 80                   |  |
| 90               | 60              | 90                   | 57.8              | 133.3                 | 11,100 *                    | 11,100 *                |                  |                       |                             |                         |                  |                       |                             |                         | 90                   |  |
| 90               | 60              | 100                  | 53.1              | 125.9                 | 9,900 *                     | 9,900 *                 |                  |                       |                             |                         |                  |                       |                             |                         | 100                  |  |
| 90               | 60              | 110                  | 48.1              | 117.1                 | 8,900 *                     | 8,900 *                 |                  |                       |                             |                         |                  |                       |                             |                         | 110                  |  |
| 90               | 60              | 120                  | 42.6              | 106.6                 | 8,100 *                     | 8,100 *                 |                  |                       |                             |                         |                  |                       |                             |                         | 120                  |  |
| 90               | 60              | 130                  | 36.4              | 93.6                  | 7,400 *                     | 7,400 *                 |                  |                       |                             |                         |                  |                       |                             |                         | 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" Ctwt**

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) |                      |  |
| 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 *                 |                  |                       |                             |                         | 70                   |  |
| 90               | 75              | 80                   | 65.4              | 156.6                 | 10,100 *                    | 10,100 *                | 69.7             | 155.2                 | 7,600 *                     | 7,600 *                 |                  |                       |                             |                         | 80                   |  |
| 90               | 75              | 90                   | 61.5              | 151.1                 | 8,900 *                     | 8,900 *                 | 65.7             | 149.6                 | 6,800 *                     | 6,800 *                 |                  |                       |                             |                         | 90                   |  |
| 90               | 75              | 100                  | 57.4              | 144.6                 | 7,900 *                     | 7,900 *                 | 61.6             | 143.1                 | 6,200 *                     | 6,200 *                 |                  |                       |                             |                         | 100                  |  |
| 90               | 75              | 110                  | 53.1              | 137.1                 | 7,100 *                     | 7,100 *                 | 57.3             | 135.5                 | 5,600 *                     | 5,600 *                 |                  |                       |                             |                         | 110                  |  |
| 90               | 75              | 120                  | 48.6              | 128.3                 | 6,400 *                     | 6,400 *                 | 52.6             | 126.6                 | 5,200 *                     | 5,200 *                 |                  |                       |                             |                         | 120                  |  |
| 90               | 75              | 130                  | 43.6              | 117.9                 | 5,900 *                     | 5,900 *                 | 47.6             | 116.0                 | 4,800 *                     | 4,800 *                 |                  |                       |                             |                         | 130                  |  |
| 90               | 75              | 140                  | 38.1              | 105.4                 | 5,400 *                     | 5,400 *                 | 42.0             | 103.2                 | 4,500 *                     | 4,500 *                 |                  |                       |                             |                         | 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 *                |                  |                       |                             |                         | 40                   |  |
| 100              | 30              | 50                   | 71.0              | 131.6                 | 24,000 *                    | 24,000 *                | 73.2             | 130.8                 | 24,000 *                    | 24,000 *                |                  |                       |                             |                         | 50                   |  |
| 100              | 30              | 60                   | 66.3              | 127.5                 | 24,000 *                    | 24,000 *                | 68.5             | 126.7                 | 22,600 *                    | 22,600 *                |                  |                       |                             |                         | 60                   |  |
| 100              | 30              | 70                   | 61.5              | 122.3                 | 23,600 *                    | 23,600 *                | 63.5             | 121.5                 | 21,900 *                    | 21,600                  |                  |                       |                             |                         | 70                   |  |
| 100              | 30              | 80                   | 56.3              | 116.0                 | 20,800                      | 17,700                  | 58.4             | 115.1                 | 19,800 *                    | 18,000                  |                  |                       |                             |                         | 80                   |  |
| 100              | 30              | 90                   | 50.9              | 108.3                 | 17,600                      | 15,000                  | 52.9             | 107.4                 | 17,800                      | 15,200                  |                  |                       |                             |                         | 90                   |  |
| 100              | 30              | 100                  | 44.9              | 98.9                  | 15,100                      | 12,800                  | 46.9             | 97.9                  | 15,300                      | 13,000                  |                  |                       |                             |                         | 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 *                |                  |                       |                             |                         | 50                   |  |
| 100              | 45              | 60                   | 69.4              | 143.8                 | 22,300 *                    | 22,300 *                | 72.3             | 142.7                 | 16,900 *                    | 16,900 *                |                  |                       |                             |                         | 60                   |  |
| 100              | 45              | 70                   | 65.1              | 139.3                 | 19,500 *                    | 19,500 *                | 68.0             | 138.2                 | 14,900 *                    | 14,900 *                |                  |                       |                             |                         | 70                   |  |
| 100              | 45              | 80                   | 60.7              | 133.8                 | 17,300 *                    | 17,300 *                | 63.5             | 132.7                 | 13,300 *                    | 13,300 *                |                  |                       |                             |                         | 80                   |  |
| 100              | 45              | 90                   | 56.0              | 127.3                 | 15,500 *                    | 15,200                  | 58.8             | 126.1                 | 12,100 *                    | 12,100 *                |                  |                       |                             |                         | 90                   |  |
| 100              | 45              | 100                  | 51.1              | 119.5                 | 13,900 *                    | 13,100                  | 53.8             | 118.2                 | 11,000 *                    | 11,000 *                |                  |                       |                             |                         | 100                  |  |
| 100              | 45              | 110                  | 45.8              | 110.1                 | 12,500 *                    | 11,300                  | 48.4             | 108.8                 | 10,200 *                    | 10,200 *                |                  |                       |                             |                         | 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 *                |                  |                       |                             |                         | 60                   |  |
| 100              | 60              | 70                   | 68.1              | 155.8                 | 15,400 *                    | 15,400 *                | 71.6             | 154.5                 | 11,200 *                    | 11,200 *                |                  |                       |                             |                         | 70                   |  |
| 100              | 60              | 80                   | 64.1              | 151.0                 | 13,300 *                    | 13,300 *                | 67.6             | 149.7                 | 10,000 *                    | 10,000 *                |                  |                       |                             |                         | 80                   |  |
| 100              | 60              | 90                   | 60.1              | 145.3                 | 11,800 *                    | 11,800 *                | 63.5             | 143.9                 | 9,000 *                     | 9,000 *                 |                  |                       |                             |                         | 90                   |  |
| 100              | 60              | 100                  | 55.8              | 138.5                 | 10,500 *                    | 10,500 *                | 59.2             | 137.1                 | 8,200 *                     | 8,200 *                 |                  |                       |                             |                         | 100                  |  |
| 100              | 60              | 110                  | 51.3              | 130.6                 | 9,500 *                     | 9,500 *                 | 54.6             | 129.1                 | 7,600 *                     | 7,600 *                 |                  |                       |                             |                         | 110                  |  |
| 100              | 60              | 120                  | 46.5              | 121.3                 | 8,600 *                     | 8,600 *                 | 49.7             | 119.7                 | 7,000 *                     | 7,000 *                 |                  |                       |                             |                         | 120                  |  |
| 100              | 60              | 130                  | 41.2              | 110.2                 | 7,900 *                     | 7,900 *                 | 44.4             | 108.4                 | 6,600 *                     | 6,600 *                 |                  |                       |                             |                         | 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" Ctwt**

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) |                      |  |
| 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 *                 |                  |                       |                             |                         | 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 *                | 76.0             | 151.4                 | 12,500 *                    | 12,500 *                | 50                   |  |
| 110              | 45              | 60                   | 70.8              | 154.5                 | 22,500 *                    | 22,500 *                | 73.5             | 153.5                 | 17,500 *                    | 17,500 *                | 72.0             | 147.1                 | 11,400 *                    | 11,400 *                | 60                   |  |
| 110              | 45              | 70                   | 66.8              | 150.3                 | 19,700 *                    | 19,700 *                | 69.5             | 149.3                 | 15,500 *                    | 15,500 *                | 67.8             | 142.0                 | 10,500 *                    | 10,500 *                | 70                   |  |
| 110              | 45              | 80                   | 62.8              | 145.3                 | 17,500 *                    | 17,500 *                | 65.4             | 144.2                 | 13,900 *                    | 13,900 *                | 63.5             | 135.9                 | 9,700 *                     | 9,700 *                 | 80                   |  |
| 110              | 45              | 90                   | 58.5              | 139.4                 | 15,700 *                    | 15,000                  | 61.1             | 138.2                 | 12,600 *                    | 12,600 *                | 58.9             | 128.6                 | 9,100 *                     | 9,100 *                 | 90                   |  |
| 110              | 45              | 100                  | 54.0              | 132.3                 | 14,200 *                    | 12,800                  | 56.6             | 131.1                 | 11,600 *                    | 11,600 *                | 54.0             | 120.0                 | 8,500 *                     | 8,500 *                 | 100                  |  |
| 110              | 45              | 110                  | 49.3              | 124.0                 | 13,000 *                    | 11,100                  | 51.8             | 122.7                 | 10,700 *                    | 10,700 *                | 48.6             | 109.8                 | 8,100 *                     | 8,100 *                 | 110                  |  |
| 110              | 45              | 120                  | 44.2              | 114.1                 | 11,500                      | 9,700                   | 46.6             | 112.7                 | 10,000 *                    | 9,800                   |                  |                       |                             |                         | 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 *                | 75.8             | 162.8                 | 8,400 *                     | 8,400 *                 | 60                   |  |
| 110              | 60              | 70                   | 69.4              | 166.7                 | 16,200 *                    | 16,200 *                | 72.7             | 165.4                 | 11,500 *                    | 11,500 *                | 72.1             | 158.2                 | 7,600 *                     | 7,600 *                 | 70                   |  |
| 110              | 60              | 80                   | 65.8              | 162.2                 | 14,100 *                    | 14,100 *                | 69.0             | 160.8                 | 10,300 *                    | 10,300 *                | 68.2             | 152.8                 | 7,100 *                     | 7,100 *                 | 80                   |  |
| 110              | 60              | 90                   | 62.0              | 156.9                 | 12,400 *                    | 12,400 *                | 65.2             | 155.5                 | 9,400 *                     | 9,400 *                 | 64.2             | 146.4                 | 6,600 *                     | 6,600 *                 | 90                   |  |
| 110              | 60              | 100                  | 58.1              | 150.7                 | 11,100 *                    | 11,100 *                | 61.3             | 149.3                 | 8,600 *                     | 8,600 *                 | 59.9             | 139.0                 | 6,100 *                     | 6,100 *                 | 100                  |  |
| 110              | 60              | 110                  | 54.0              | 143.5                 | 10,000 *                    | 10,000 *                | 57.1             | 142.0                 | 7,900 *                     | 7,900 *                 | 55.4             | 130.3                 | 5,800 *                     | 5,800 *                 | 110                  |  |
| 110              | 60              | 120                  | 49.6              | 135.1                 | 9,100 *                     | 9,100 *                 | 52.7             | 133.5                 | 7,300 *                     | 7,300 *                 | 50.6             | 120.1                 | 5,500 *                     | 5,500 *                 | 120                  |  |
| 110              | 60              | 130                  | 45.0              | 125.3                 | 8,400 *                     | 8,400 *                 | 48.0             | 123.6                 | 6,800 *                     | 6,800 *                 | 45.2             | 107.8                 | 5,300 *                     | 5,300 *                 | 130                  |  |
| 110              | 60              | 140                  | 39.9              | 113.7                 | 7,800 *                     | 7,600                   | 42.8             | 111.8                 | 6,400 *                     | 6,400 *                 |                  |                       |                             |                         | 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" Ctwt**

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) |                      |    |
| 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 *                | 78.6             | 184.7                 | 10,300 *                    | 10,300 *                |                  |                       |                             |                         | 60                   |    |
| 110              | 75              | 70                   | 71.5              | 182.7                 | 12,900 *                    | 12,900 *                | 75.4             | 181.3                 | 9,100 *                     | 9,100 *                 |                  |                       |                             |                         | 70                   |    |
| 110              | 75              | 80                   | 68.2              | 178.7                 | 11,200 *                    | 11,200 *                | 72.0             | 177.2                 | 8,100 *                     | 8,100 *                 | 75.6             | 174.2                 | 5,900 *                     | 5,900 *                 | 80                   |    |
| 110              | 75              | 90                   | 64.8              | 173.9                 | 9,900 *                     | 9,900 *                 | 68.6             | 172.4                 | 7,300 *                     | 7,300 *                 | 72.2             | 169.3                 | 5,400 *                     | 5,400 *                 | 90                   |    |
| 110              | 75              | 100                  | 61.3              | 168.4                 | 8,800 *                     | 8,800 *                 | 65.1             | 166.8                 | 6,700 *                     | 6,700 *                 | 68.5             | 163.6                 | 5,000 *                     | 5,000 *                 | 100                  |    |
| 110              | 75              | 110                  | 57.7              | 162.0                 | 7,900 *                     | 7,900 *                 | 61.4             | 160.4                 | 6,100 *                     | 6,100 *                 | 64.8             | 157.0                 | 4,600 *                     | 4,600 *                 | 110                  |    |
| 110              | 75              | 120                  | 53.9              | 154.7                 | 7,200 *                     | 7,200 *                 | 57.6             | 153.0                 | 5,600 *                     | 5,600 *                 | 60.9             | 149.5                 | 4,300 *                     | 4,300 *                 | 120                  |    |
| 110              | 75              | 130                  | 49.9              | 146.3                 | 6,600 *                     | 6,600 *                 | 53.5             | 144.4                 | 5,200 *                     | 5,200 *                 | 56.7             | 140.7                 | 4,000 *                     | 4,000 *                 | 130                  |    |
| 110              | 75              | 140                  | 45.6              | 136.6                 | 6,100 *                     | 6,100 *                 | 49.2             | 134.6                 | 4,900 *                     | 4,900 *                 | 52.2             | 130.6                 | 3,800 *                     | 3,800 *                 | 140                  |    |
| 110              | 75              | 150                  | 41.0              | 125.2                 | 5,600 *                     | 5,600 *                 | 44.5             | 123.0                 | 4,600 *                     | 4,600 *                 | 47.4             | 118.6                 | 3,600 *                     | 3,600 *                 | 150                  |    |
| 110              | 75              | 160                  | 35.8              | 111.6                 | 5,200 *                     | 5,200 *                 | 39.2             | 109.1                 | 4,300 *                     | 4,300 *                 |                  |                       |                             |                         | 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 *                |                  |                       |                             |                         | 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 *                    | 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" Ctwt**

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 *                     | 5,200 *                 | 38.0             | 112.0                 | 4,300 *                     | 4,300 *                 |                  |                       |                             |                         | 170                  |  |
| 120              | 75              | 180                  | 29.0              | 97.3                  | 4,900 *                     | 4,900 *                 |                  |                       |                             |                         |                  |                       |                             |                         | 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 *                | 77.7             | 172.5                 | 13,000 *                    | 13,000 *                | 50                   |  |
| 130              | 45              | 60                   | 73.0              | 175.7                 | 22,500 *                    | 22,500 *                | 75.5             | 174.6                 | 18,700 *                    | 18,700 *                | 74.2             | 168.8                 | 11,900 *                    | 11,900 *                | 60                   |  |
| 130              | 45              | 70                   | 69.6              | 172.1                 | 20,200 *                    | 20,200 *                | 72.0             | 171.0                 | 16,700 *                    | 16,700 *                | 70.6             | 164.4                 | 11,000 *                    | 11,000 *                | 70                   |  |
| 130              | 45              | 80                   | 66.1              | 167.7                 | 17,900 *                    | 17,300                  | 68.4             | 166.6                 | 15,000 *                    | 15,000 *                | 66.9             | 159.2                 | 10,200 *                    | 10,200 *                | 80                   |  |
| 130              | 45              | 90                   | 62.4              | 162.6                 | 16,100 *                    | 14,500                  | 64.8             | 161.5                 | 13,700 *                    | 13,700 *                | 63.0             | 153.1                 | 9,600 *                     | 9,600 *                 | 90                   |  |
| 130              | 45              | 100                  | 58.7              | 156.7                 | 14,600 *                    | 12,400                  | 61.0             | 155.5                 | 12,600 *                    | 12,600 *                | 59.0             | 146.0                 | 9,000 *                     | 9,000 *                 | 100                  |  |
| 130              | 45              | 110                  | 54.7              | 149.8                 | 12,700                      | 10,600                  | 57.0             | 148.5                 | 11,600 *                    | 10,900                  | 54.7             | 137.8                 | 8,600 *                     | 9,000 *                 | 110                  |  |
| 130              | 45              | 120                  | 50.6              | 141.8                 | 11,000                      | 9,200                   | 52.8             | 140.5                 | 10,800 *                    | 9,400                   | 50.2             | 128.2                 | 8,200 *                     | 8,200 *                 | 120                  |  |
| 130              | 45              | 130                  | 46.2              | 132.5                 | 9,700                       | 8,000                   | 48.4             | 131.1                 | 9,900                       | 8,200                   | 45.2             | 116.9                 | 7,900 *                     | 7,200                   | 130                  |  |
| 130              | 45              | 140                  | 41.4              | 121.6                 | 8,500                       | 7,000                   | 43.5             | 120.1                 | 8,700                       | 7,100                   |                  |                       |                             |                         | 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" Ctwt**

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


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

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) |                      |  |
| 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                       | 4,700                   |                  |                       |                             |                         | 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" Ctwt**

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) |                      |     |
| 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" Ctwt**

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

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) |                      |  |
| 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 *                 |                  |                       |                             |                         | 80                   |  |
| 160              | 75              | 90                   | 70.5              | 228.6                 | 11,500 *                    | 11,500 *                | 73.5             | 226.9                 | 8,400 *                     | 8,400 *                 |                  |                       |                             |                         | 90                   |  |
| 160              | 75              | 100                  | 67.8              | 224.5                 | 10,400 *                    | 10,400 *                | 70.8             | 222.8                 | 7,700 *                     | 7,700 *                 |                  |                       |                             |                         | 100                  |  |
| 160              | 75              | 110                  | 65.2              | 219.8                 | 9,500 *                     | 9,500 *                 | 68.1             | 218.1                 | 7,100 *                     | 7,100 *                 |                  |                       |                             |                         | 110                  |  |
| 160              | 75              | 120                  | 62.4              | 214.5                 | 8,700 *                     | 8,700 *                 | 65.4             | 212.7                 | 6,600 *                     | 6,600 *                 |                  |                       |                             |                         | 120                  |  |
| 160              | 75              | 130                  | 59.6              | 208.6                 | 8,000 *                     | 7,500                   | 62.6             | 206.8                 | 6,200 *                     | 6,200 *                 |                  |                       |                             |                         | 130                  |  |
| 160              | 75              | 140                  | 56.7              | 202.0                 | 7,400 *                     | 6,500                   | 59.6             | 200.1                 | 5,800 *                     | 5,800 *                 |                  |                       |                             |                         | 140                  |  |
| 160              | 75              | 150                  | 53.7              | 194.7                 | 6,900 *                     | 5,600                   | 56.6             | 192.7                 | 5,400 *                     | 5,400 *                 |                  |                       |                             |                         | 150                  |  |
| 160              | 75              | 160                  | 50.6              | 186.5                 | 6,200                       | 4,800                   | 53.4             | 184.4                 | 5,100 *                     | 5,100 *                 |                  |                       |                             |                         | 160                  |  |
| 160              | 75              | 170                  | 47.3              | 177.3                 | 5,400                       | 4,100                   | 50.1             | 175.1                 | 4,900 *                     | 4,400                   |                  |                       |                             |                         | 170                  |  |
| 160              | 75              | 180                  | 43.9              | 166.9                 | 4,700                       | 3,500                   | 46.6             | 164.6                 | 4,600 *                     | 3,800                   |                  |                       |                             |                         | 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 *                |                  |                       |                             |                         | 60                   |  |
| 170              | 30              | 70                   | 71.9              | 198.7                 | 23,200                      |                         | 19,800           | 73.3                  | 197.9                       | 22,200 *                | 20,200           |                       |                             |                         | 70                   |  |
| 170              | 30              | 80                   | 68.8              | 195.0                 | 19,300                      | 16,200                  | 70.2             | 194.2                 | 19,600                      | 16,500                  |                  |                       |                             |                         | 80                   |  |
| 170              | 30              | 90                   | 65.7              | 190.7                 | 16,100                      | 13,400                  | 67.1             | 189.8                 | 16,400                      | 13,700                  |                  |                       |                             |                         | 90                   |  |
| 170              | 30              | 100                  | 62.6              | 185.7                 | 13,600                      | 11,200                  | 63.9             | 184.8                 | 13,800 *                    | 11,500                  |                  |                       |                             |                         | 100                  |  |
| 170              | 30              | 110                  | 59.3              | 180.0                 | 11,600                      | 9,500                   | 60.6             | 179.1                 | 11,800                      | 9,700                   |                  |                       |                             |                         | 110                  |  |
| 170              | 30              | 120                  | 55.9              | 173.4                 | 9,900                       | 8,000                   | 57.2             | 172.5                 | 10,100                      | 8,200                   |                  |                       |                             |                         | 120                  |  |
| 170              | 30              | 130                  | 52.4              | 166.0                 | 8,500                       | 6,800                   | 53.7             | 165.0                 | 8,700                       | 7,000                   |                  |                       |                             |                         | 130                  |  |
| 170              | 30              | 140                  | 48.7              | 157.6                 | 7,400                       | 5,800                   | 50.0             | 156.5                 | 7,500                       | 6,000                   |                  |                       |                             |                         | 140                  |  |
| 170              | 30              | 150                  | 44.7              | 147.9                 | 6,400                       | 4,900                   | 46.0             | 146.8                 | 6,500                       | 5,100                   |                  |                       |                             |                         | 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 *                |                  |                       |                             |                         | 70                   |  |
| 170              | 45              | 80                   | 70.7              | 211.1                 | 18,400 *                    | 16,400                  | 72.7             | 209.9                 | 15,500 *                    | 15,500 *                |                  |                       |                             |                         | 80                   |  |
| 170              | 45              | 90                   | 67.9              | 207.1                 | 16,300 *                    | 13,600                  | 69.8             | 205.9                 | 14,200 *                    | 14,100                  |                  |                       |                             |                         | 90                   |  |
| 170              | 45              | 100                  | 65.0              | 202.5                 | 13,800                      | 11,400                  | 66.9             | 201.3                 | 13,100 *                    | 11,800                  |                  |                       |                             |                         | 100                  |  |
| 170              | 45              | 110                  | 62.0              | 197.3                 | 11,800                      | 9,700                   | 63.9             | 196.0                 | 12,100 *                    | 10,000                  |                  |                       |                             |                         | 110                  |  |
| 170              | 45              | 120                  | 58.9              | 191.4                 | 10,100                      | 8,200                   | 60.8             | 190.1                 | 10,400                      | 8,500                   |                  |                       |                             |                         | 120                  |  |
| 170              | 45              | 130                  | 55.8              | 184.7                 | 8,700                       | 7,000                   | 57.6             | 183.4                 | 9,000                       | 7,300                   |                  |                       |                             |                         | 130                  |  |
| 170              | 45              | 140                  | 52.5              | 177.2                 | 7,600                       | 6,000                   | 54.3             | 175.8                 | 7,800                       | 6,200                   |                  |                       |                             |                         | 140                  |  |
| 170              | 45              | 150                  | 49.0              | 168.7                 | 6,600                       | 5,100                   | 50.8             | 167.2                 | 6,800                       | 5,300                   |                  |                       |                             |                         | 150                  |  |
| 170              | 45              | 160                  | 45.3              | 159.1                 | 5,700                       | 4,300                   | 47.1             | 157.5                 | 5,900                       | 4,500                   |                  |                       |                             |                         | 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" Ctwt**

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" Ctwt**

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) |                      |  |
| 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" Ctwt**

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) |                      |          |
| 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 *                |                  |                       |                             |                         |                  |                       |                             |                         | 60                   |          |
| 190              | 30              | 70                   | 73.6              | 219.8                 | 22,800                      |                         | 19,400           |                       | 22,900 *                    | 22,900 *                | 78.7             | 220.2                 | 20,100 *                    | 20,100 *                | 70                   |          |
| 190              | 30              | 80                   | 70.8              | 216.4                 | 18,800                      |                         | 15,700           |                       | 74.8                        | 218.9                   | 21,800 *         | 19,800                | 76.0                        | 217.3                   | 18,900 *             | 18,900 * |
| 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   |
| 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   |
| 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    |
| 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    |
| 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    |
| 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    |
| 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    |
| 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    |
| 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 *                |                  |                       |                             |                         |                  |                       |                             |                         | 60                   |          |
| 190              | 45              | 70                   | 74.9              | 235.4                 | 20,400 *                    | 19,600                  |                  |                       |                             |                         |                  |                       |                             |                         | 70                   |          |
| 190              | 45              | 80                   | 72.4              | 232.3                 | 18,400 *                    | 15,900                  |                  |                       |                             |                         |                  |                       |                             |                         | 80                   |          |
| 190              | 45              | 90                   | 69.8              | 228.7                 | 15,800                      |                         | 13,100           |                       | 71.6                        | 227.5                   | 14,100 *         | 13,700                |                             |                         |                      | 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 * |
| 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    |
| 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    |
| 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    |
| 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    |
| 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    |
| 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    |
| 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    |
| 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    |
| 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 *                |                  |                       |                             |                         |                  |                       |                             |                         | 70                   |          |
| 190              | 60              | 80                   | 73.8              | 248.0                 | 15,200 *                    | 15,200 *                |                  |                       |                             |                         |                  |                       |                             |                         | 80                   |          |
| 190              | 60              | 90                   | 71.4              | 244.6                 | 13,700 *                    | 13,300                  |                  |                       |                             |                         |                  |                       |                             |                         | 90                   |          |
| 190              | 60              | 100                  | 68.9              | 240.8                 | 12,400 *                    | 11,100                  |                  |                       |                             |                         |                  |                       |                             |                         | 100                  |          |
| 190              | 60              | 110                  | 66.5              | 236.4                 | 11,400 *                    | 9,400                   |                  |                       |                             |                         |                  |                       |                             |                         | 110                  |          |
| 190              | 60              | 120                  | 63.9              | 231.6                 | 9,800                       |                         | 7,900            |                       |                             |                         |                  |                       |                             |                         | 120                  |          |
| 190              | 60              | 130                  | 61.4              | 226.1                 | 8,400                       |                         | 6,700            |                       |                             |                         |                  |                       |                             |                         | 130                  |          |

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

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                  |  |



RELIABLE

CRANE SERVICE

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

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                  |  |



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260 North Smith Ave. Corona, CA 92880

LS 218HII



# Specifications

Lattice Boom Crawler Crane

## LS-218H II HYLAB Series

110-ton\* (100 metric ton)

| General Dimensions                              | English | Metric  |
|---|---------|---------|
| Tailswing of upper frame with counterweight "A" | 15' 8"  | 4.77 m  |
| Maximum live mast working height                | 34' 6"  | 10.52 m |
| Boom foot pin diameter                          | 3.5"    | 8.89 cm |

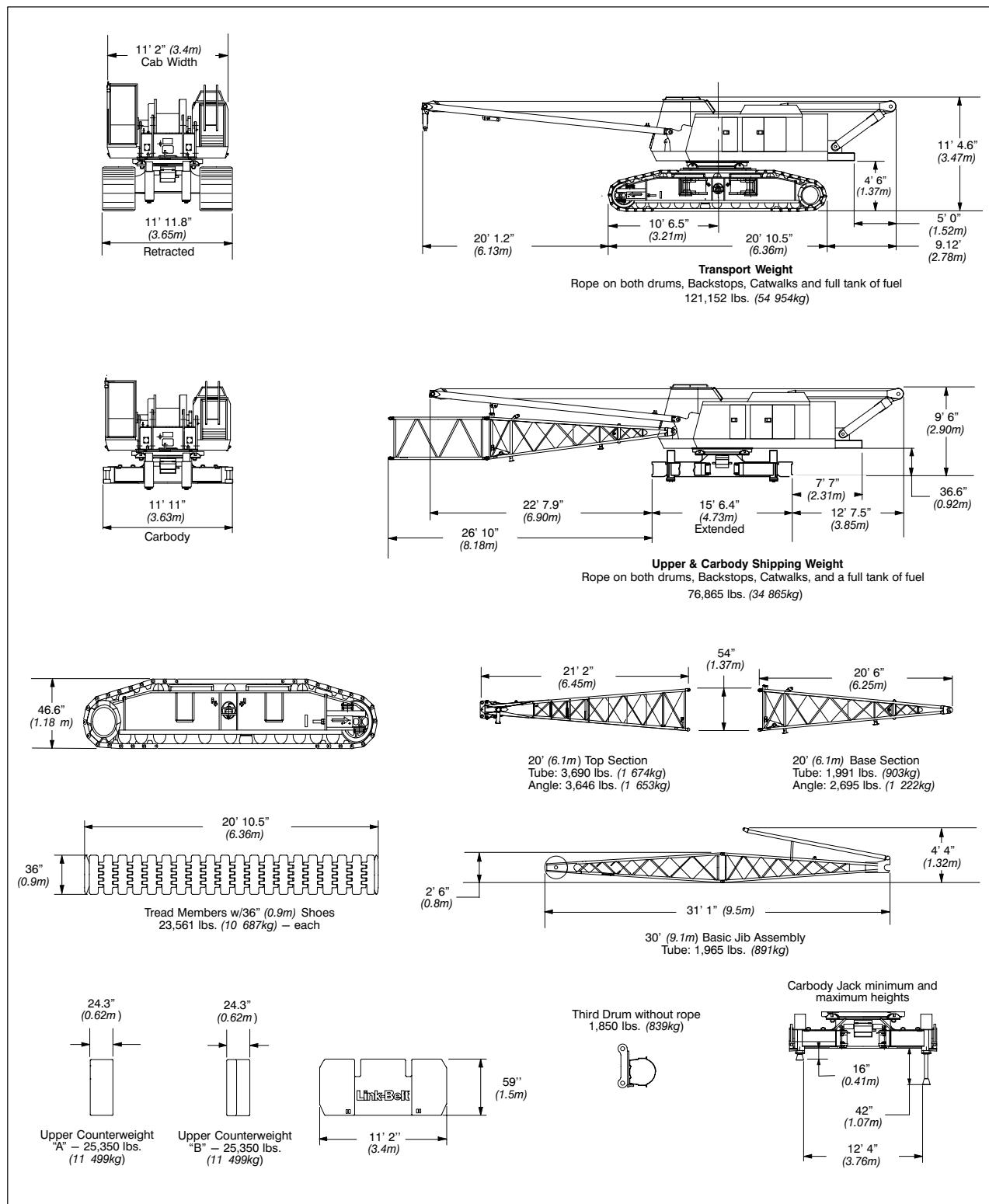
\* – Nominal capacity rating may vary based on specification

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

Tube boom with optional 3-sheave head machinery and "CASAR™" rope, maximum 100 tons (90 mt).



## 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 Reaving, 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 |   |
| <b>Base Machine (without base section)</b>               | 74,030       | 33 579 | 1               |    |    | 1  |    | Numbers in the load columns to the left represent quantities.   |
| Add "A" Counterweight                                    | 25,350       | 11 499 |                 |    |    |    |    |   |
| Add "B" Counterweight                                    | 25,350       | 11 499 |                 |    |    |    |    |   |
| Add a Treadmember (2 required)                           | 23,561       | 10 687 |                 | 1  | 1  |    |    | Estimated transport assumes the load out consist of 230' (70.1m) of tube boom + 75' (22.86m) of jib with full counterweight.  |
| Add Hydraulic Third Drum w/o rope                        | 1,850        | 839    |                 |    |    |    |    |   |
| Add 20' (6.1m) Tube Base Section                         | 1,991        | 903    | 1               |    |    |    |    |   |
| Add 20' (6.1m) Tube Top Section                          | 3,690        | 1 674  |                 |    |    | 1  |    |   |
| Add 10' (3.05m) "HP" Tubular Extension w/pins & pendants | 844          | 383    | 1               |    |    |    |    | 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) "HP" Tubular Extension w/pins & pendants  | 1,353        | 614    |                 | 1  | 1  |    |    |   |
| 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  |   |
| 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 weights vary by +/- 2%.   |
| 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  |                 |    |    |    |    |   |
| Add 10' (3.05m) Angle Extension w/pins & pendants        | 1,047        | 475    |                 |    |    |    |    |   |
| Add 20' (6.1m) Angle Extension w/pins & pendants         | 1,696        | 769    |                 |    |    |    |    |   |
| 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   |                 |    |    |    |    |   |

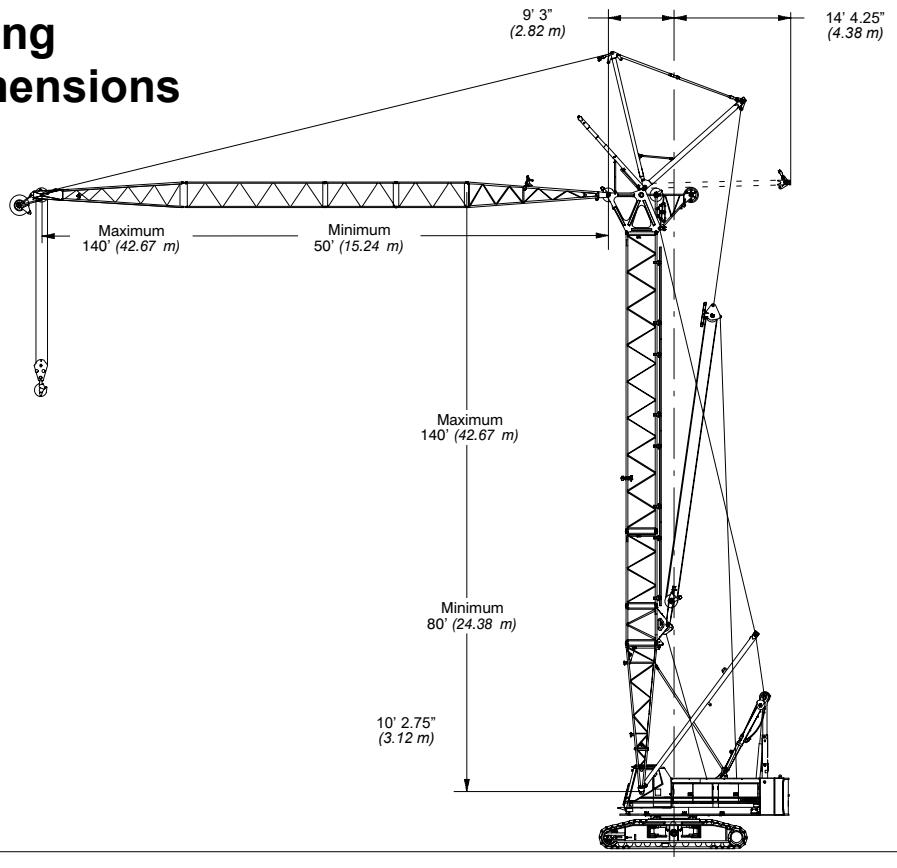
## LS-218H II Machine Working Weights

| Option | Description   | Gross Weight lbs. (kg) | Ground Bearing Pressure psi (kg/cm²) |
|--------|---|------------------------|--------------------------------------|
| 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<br>(70 432)    | 9.68<br>(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<br>(87 488)    | 12.02<br>(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<br>(87 954)    | 12.08<br>(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<br>(70 731)    | 9.72<br>(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<br>(86 464)    | 11.88<br>(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<br>(87 959)    | 12.03<br>(0.85)                      |

Notes:

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

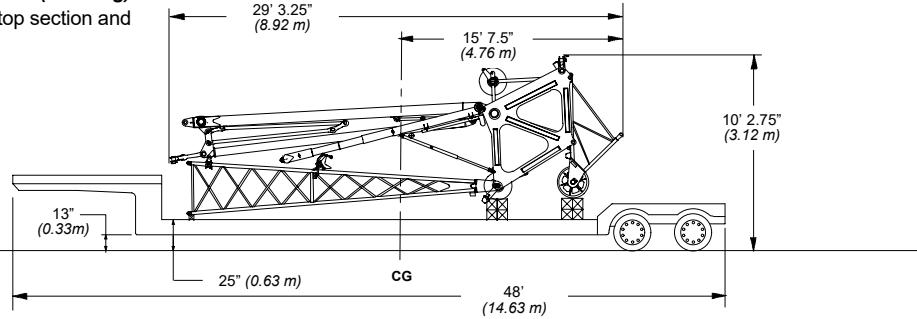
## LS-218H II Luffing Attachment Dimensions



## LS-218H II Luffing Attachment Transport

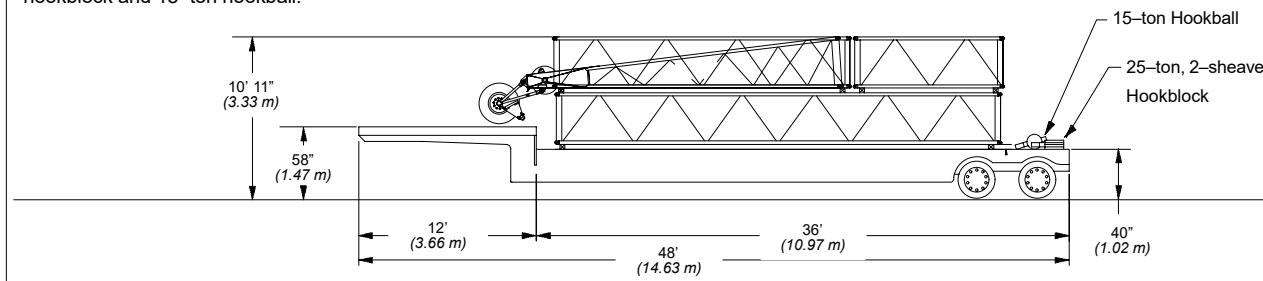
### Luffing Shipping Module #1: 7,214 lbs. (3 272 kg)

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



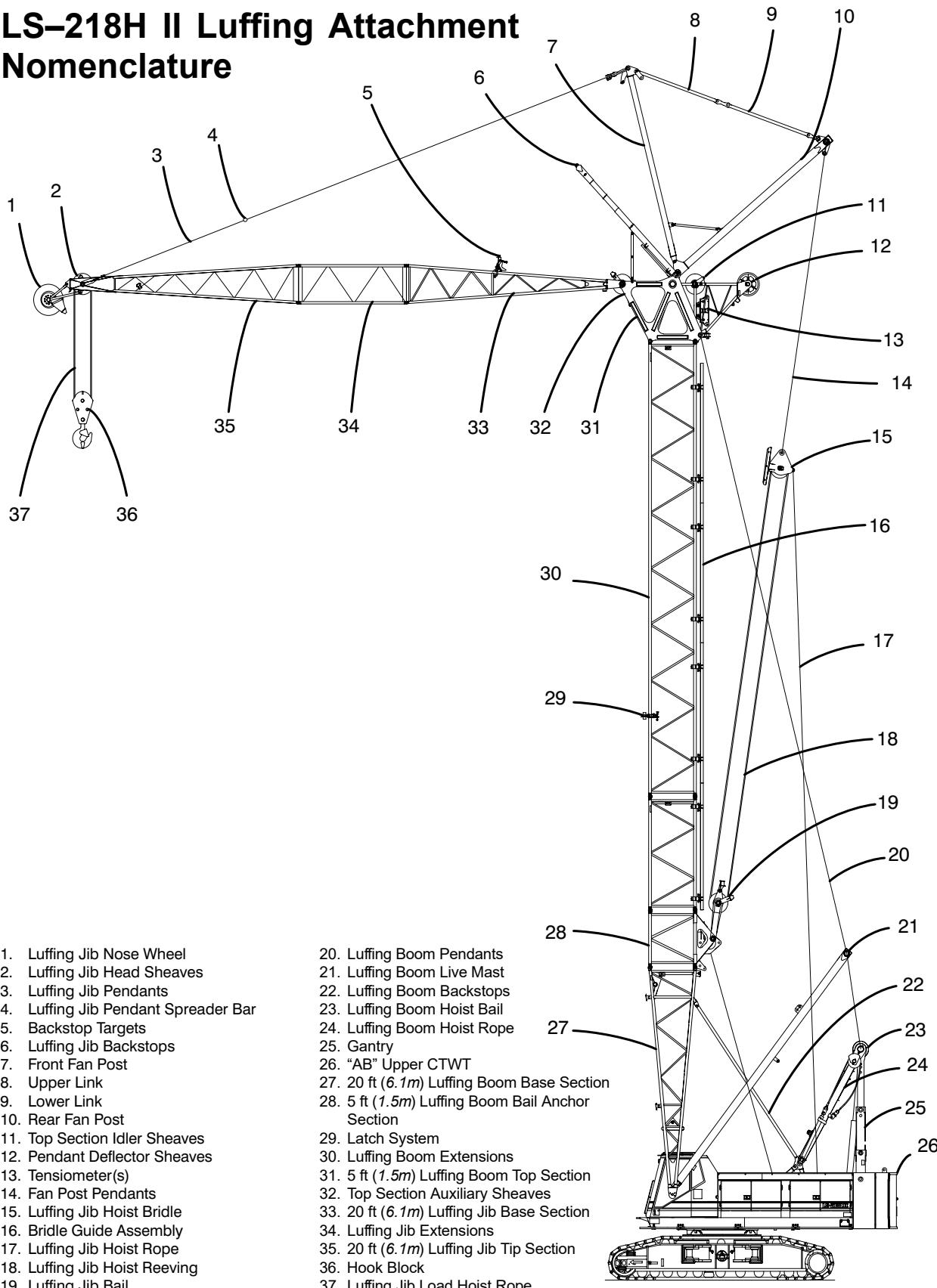
### Luffing Shipping Module #2: 6,699 lbs. (3 039 kg)

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



## 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
- 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** – “Quick Draw™” handling system that mounts in the boom base to allow loading/unloading of a counter-weight, 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 101.6 x 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. Mid-point pendants are not required.

| Luffing Jib Extensions | Suggested Quantity for Max. Boom |
|------------------------|----------------------------------|
| 10' (3.05m)            | 1                                |
| 20' (6.10m)            | 1                                |
| 30' (9.14m)            | 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.<br>(mm)   | 5.12 x 5.91<br>(130 x 150) |
| Piston displacement – in <sup>3</sup><br>(cm <sup>3</sup> )   | 729<br>(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)               |

- One fixed displacement gear type pump operating at 1,200 psi (84.4kg/cm<sup>2</sup>) and 10.5 gal/min (39.7L/min) powers the pilot control system, clutches, brakes and pump controls.

**Pump Control ("Fine Inch") 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 in<sup>2</sup> (4 116 cm<sup>2</sup>).

### ■ 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

## ■ 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 turntable 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-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.

## 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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**RELIABLE** CRANE SERVICE

**Link-Belt**  
CONSTRUCTION EQUIPMENT

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LS-218H II

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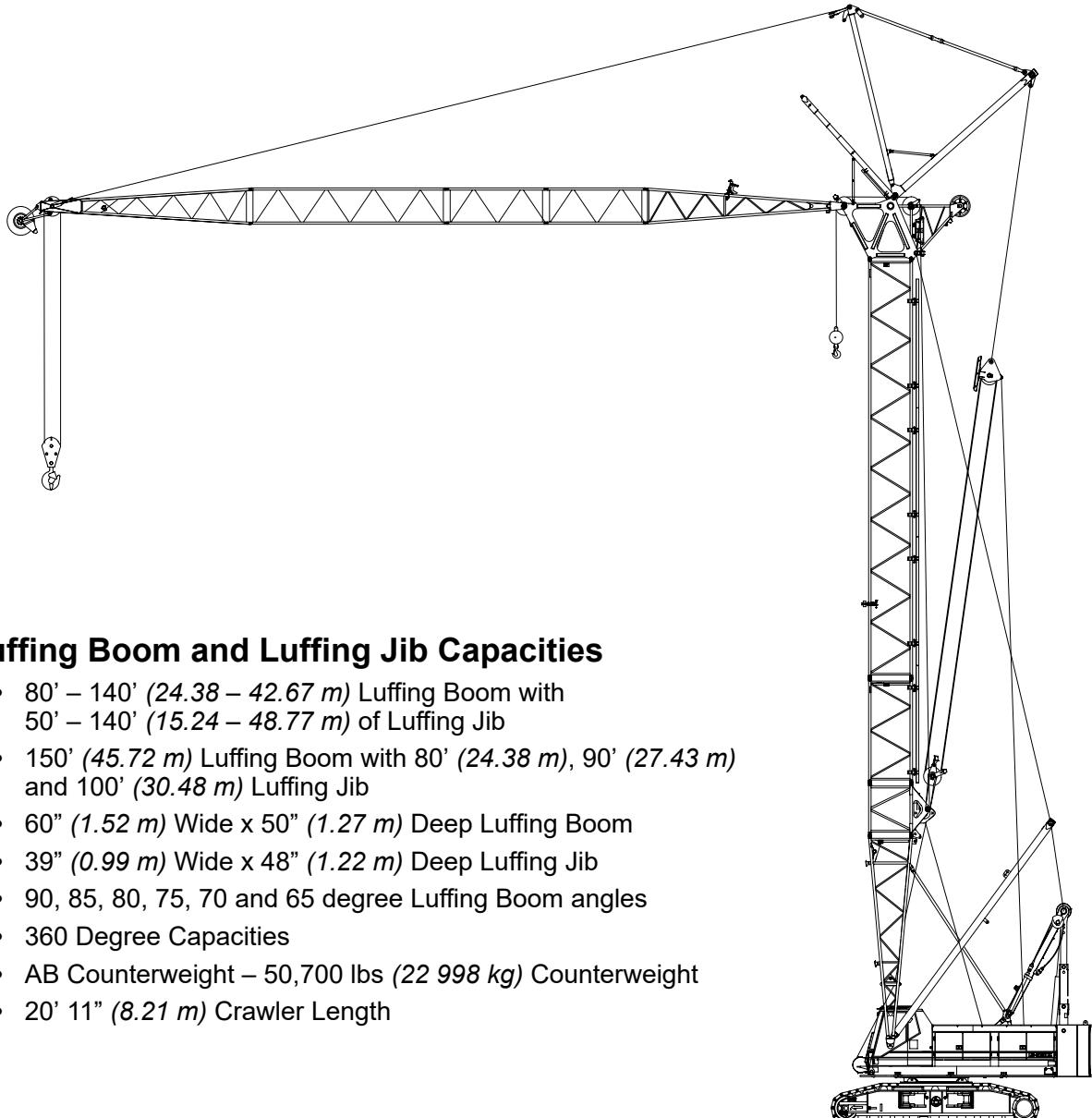
# Lifting Capacities

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

**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.

**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.

**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.

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.
8. The 26 ft luffing boom live mast must be used for all capacities shown in this Crane Rating Manual.
9. Retractable high gantry must be pinned in raised position for all capacities in this manual.
10. The least stable rated condition is over the end with **unblocked** sprockets and idlers.
11. Refer to the enclosed charts for allowable attachment liftoff lengths and allowable working lengths at the various luffing boom angles.
12. 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.
13. 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.
14. Only boom extensions with the "HP" designation may be used as part of the luffing boom.
15. 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.

## 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            |           |           |           |  |  |  |  |
| <b>Notes:</b>   |   |           |           |           |  |  |  |  |
| 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.

## JOB SITE TRAVEL RESTRICTIONS WITH A LOAD

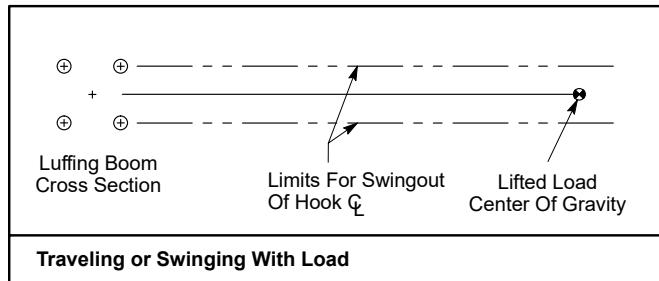
### Guidelines:

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 to 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'          |

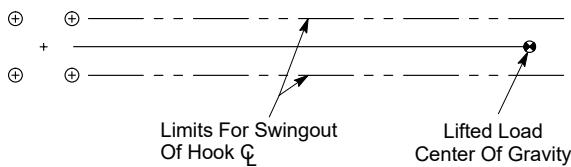
4. **Travel with up to 75% of the rated capacity is permitted.**
5. The load must be suspended from either the auxiliary sheaves or the luffing jib sheaves.
6. Refer to the Operator's Manual for more information.

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

LS-218H II  
Luffing Attachment



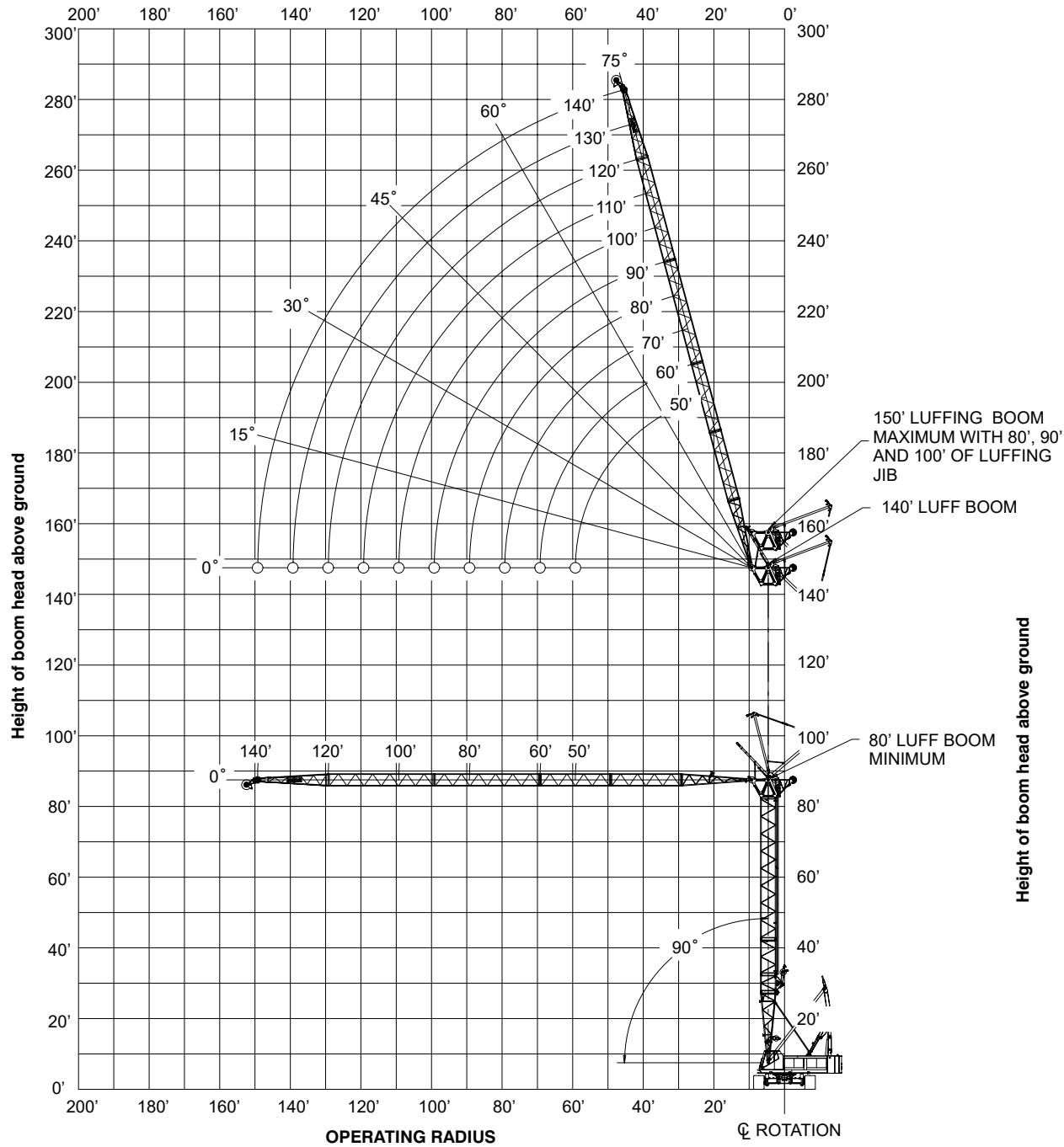
## CRANE ASSEMBLY COMPONENT WEIGHTS

| 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

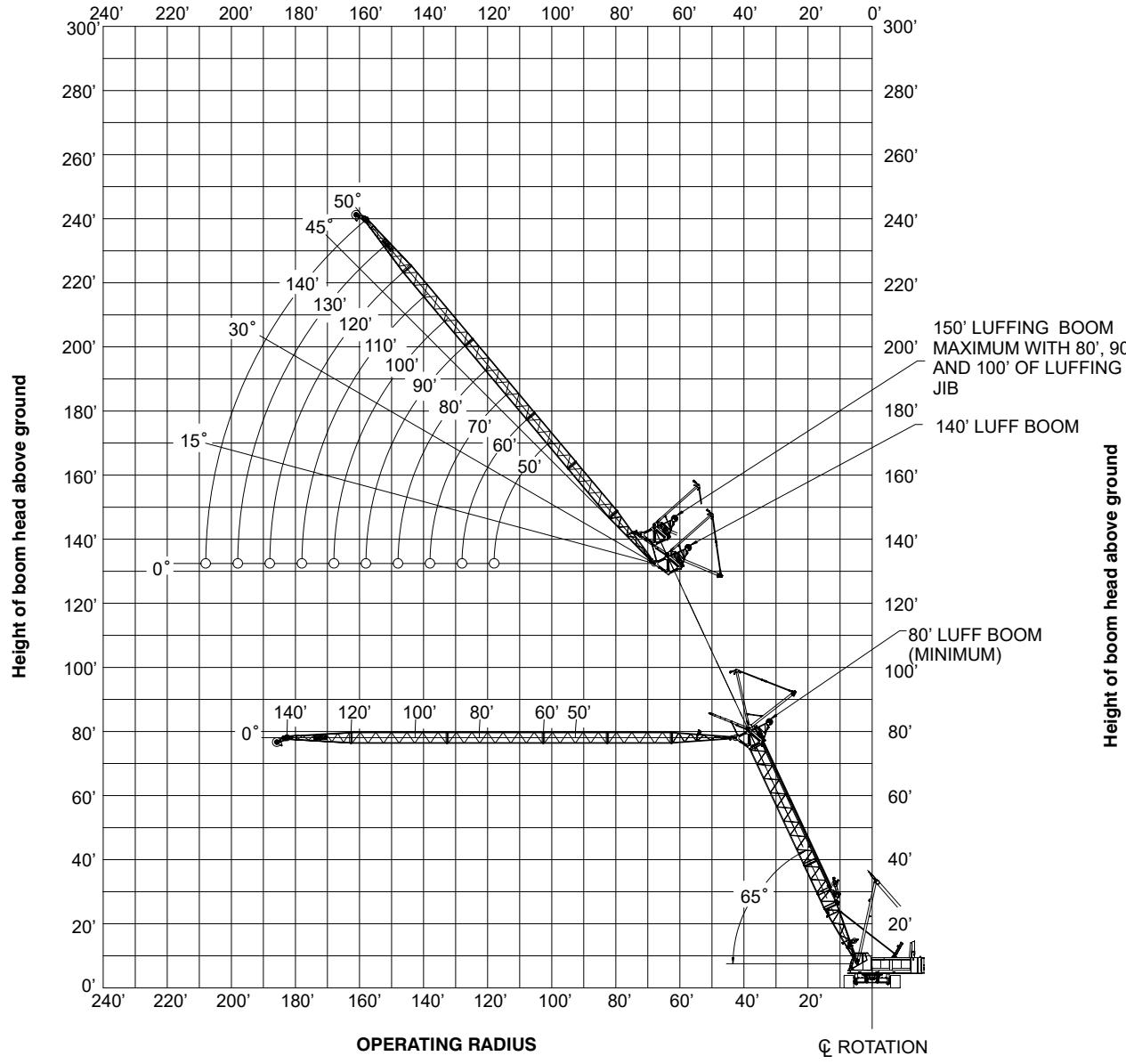
90° LUFTING BOOM ANGLE – 360°  
LUFTING JIB**Notes:**

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  
Luffing Attachment



## WORKING RANGE DIAGRAM

65° LUFTING BOOM ANGLE – 360°  
LUFTING 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) |                  |
| 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               |                 |                 | 25.7            |                 |                 | 23.2            | 65               |
| 80                  | 50                      | 66               |                 |                 |                 |                 |                 |                 | 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            | *               | 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               |                 |                 |                 |                 |                 |                 | 94               |
| 80                  | 80                      | 96               |                 | 15.0            | *               |                 |                 |                 | 96               |
| 80                  | 80                      | 100              |                 |                 |                 | 14.4            | 13.7            | 13.0            | 12.3             |
| 80                  | 80                      | 103              |                 |                 |                 | 13.8            |                 |                 | 103              |
| 80                  | 80                      | 110              |                 |                 |                 |                 | 12.1            | 11.5            | 10.9             |
| 80                  | 80                      | 116              |                 |                 |                 |                 |                 | 10.6            |                  |
| 80                  | 80                      | 120              |                 |                 |                 |                 |                 |                 | 9.6              |
| 80                  | 80                      | 123              |                 |                 |                 |                 |                 |                 | 9.3              |
| 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            | *               | 90               |
| 80                  | 110                     | 99               |                 |                 |                 |                 |                 | 12.5            | 99               |
| 80                  | 110                     | 100              | 10.1            | *               | 11.1            | *               | 12.1            | *               | 100              |
| 80                  | 110                     | 110              | 8.8             | *               | 9.7             | *               | 10.7            | *               | 110              |
| 80                  | 110                     | 113              |                 |                 |                 |                 |                 |                 | 9.9              |
| 80                  | 110                     | 119              | 7.6             | *               |                 |                 |                 |                 | 119              |
| 80                  | 110                     | 120              |                 |                 | 8.5             | *               | 9.5             | *               | 120              |
| 80                  | 110                     | 126              |                 |                 | 7.8             | *               |                 |                 | 126              |
| 80                  | 110                     | 130              |                 |                 |                 | 8.3             | *               | 9.2             | *                |
| 80                  | 110                     | 133              |                 |                 |                 | 7.9             | *               | 8.7             | 8.1              |
| 80                  | 110                     | 140              |                 |                 |                 |                 | 8.1             | *               | 7.3              |

**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) |                  |
| 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 *           | 9.7 *           |                 |                 |                 | 90               |
| 80                  | 140                     | 100              | 7.2 *           | 7.9 *           | 8.5 *           | 9.1 *           |                 |                 | 100              |
| 80                  | 140                     | 110              | 6.2 *           | 6.9 *           | 7.5 *           | 8.1 *           |                 |                 | 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 *           | 6.4 *           | 140              |
| 80                  | 140                     | 149              | 3.1 *           |                 |                 |                 |                 |                 | 149              |
| 80                  | 140                     | 150              |                 | 3.6 *           | 4.2 *           | 4.7 *           | 5.3 *           | 5.7 *           | 150              |
| 80                  | 140                     | 156              |                 | 3.2 *           |                 |                 |                 |                 | 156              |
| 80                  | 140                     | 160              |                 |                 | 3.5 *           | 4.1 *           | 4.6 *           | 5.0 *           | 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            | 17.5            |                 |                 | 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<br>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) | Capacity (kips)  |      |      |
| 100   | 110                     | 106              |                 |                 |                 |                 |                 |                 | 10.7             |      | 106  |
| 100   | 110                     | 110              | 8.6             | *               | 9.7             | *               | 10.8            | *               | 11.1             | 10.2 | 110  |
| 100   | 110                     | 119              | 7.4             | *               |                 |                 |                 |                 |                  |      | 119  |
| 100   | 110                     | 120              |                 |                 | 8.5             | *               | 9.6             | *               | 9.8              | 9.0  | 120  |
| 100   | 110                     | 122              |                 |                 |                 |                 |                 |                 |                  | 8.1  | 122  |
| 100   | 110                     | 128              |                 |                 | 7.6             | *               |                 |                 |                  |      | 128  |
| 100   | 110                     | 130              |                 |                 |                 |                 | 8.5             | *               | 8.8              | 8.0  | 130  |
| 100   | 110                     | 137              |                 |                 |                 |                 | 7.7             | *               |                  |      | 137  |
| 100   | 110                     | 140              |                 |                 |                 |                 |                 |                 | 7.9              | 7.2  | 140  |
| 100   | 110                     | 145              |                 |                 |                 |                 |                 |                 | 7.4              |      | 145  |
| 100   | 110                     | 150              |                 |                 |                 |                 |                 |                 |                  | 6.5  | 150  |
| 100   | 110                     | 153              |                 |                 |                 |                 |                 |                 |                  | 6.2  | 153  |
| 100   | 110                     | 160              |                 |                 |                 |                 |                 |                 |                  |      | 5.3  |
| 100   | 110                     | 161              |                 |                 |                 |                 |                 |                 |                  | 5.2  | 161  |
| 100   | 140                     | 46               | 14.1            | *               |                 |                 |                 |                 |                  |      | 46   |
| 100   | 140                     | 50               | 13.3            | *               |                 |                 |                 |                 |                  |      | 50   |
| 100   | 140                     | 60               | 11.7            | *               |                 |                 |                 |                 |                  |      | 60   |
| 100   | 140                     | 66               |                 |                 | 11.9            | *               |                 |                 |                  |      | 66   |
| 100   | 140                     | 70               | 10.4            | *               | 11.3            | *               |                 |                 |                  |      | 70   |
| 100   | 140                     | 80               | 9.1             | *               | 10.0            | *               |                 |                 |                  |      | 80   |
| 100   | 140                     | 86               |                 |                 |                 |                 | 10.2            | *               |                  |      | 86   |
| 100   | 140                     | 90               | 8.0             | *               | 8.8             | *               | 9.7             | *               |                  |      | 90   |
| 100   | 140                     | 100              | 6.9             | *               | 7.8             | *               | 8.6             | *               |                  |      | 100  |
| 100   | 140                     | 105              |                 |                 |                 |                 |                 |                 | 8.8              | *    | 105  |
| 100   | 140                     | 110              | 6.0             | *               | 6.8             | *               | 7.6             | *               | 8.2              | *    | 110  |
| 100   | 140                     | 120              | 5.1             | *               | 5.9             | *               | 6.7             | *               | 7.3              | *    | 120  |
| 100   | 140                     | 124              |                 |                 |                 |                 |                 |                 |                  | 7.6  | *    |
| 100   | 140                     | 130              | 4.3             | *               | 5.1             | *               | 5.8             | *               | 6.5              | *    | 130  |
| 100   | 140                     | 140              | 3.6             | *               | 4.3             | *               | 5.0             | *               | 5.7              | *    | 140  |
| 100   | 140                     | 141              |                 |                 |                 |                 |                 |                 |                  |      | 141  |
| 100   | 140                     | 149              | 3.0             | *               |                 |                 |                 |                 |                  |      | 149  |
| 100   | 140                     | 150              |                 |                 | 3.6             | *               | 4.3             | *               | 4.9              | *    | 150  |
| 100   | 140                     | 158              |                 |                 | 3.1             | *               |                 |                 |                  |      | 158  |
| 100   | 140                     | 160              |                 |                 |                 |                 | 3.6             | *               | 4.2              | *    | 160  |
| 100   | 140                     | 167              |                 |                 |                 |                 | 3.2             | *               |                  |      | 167  |
| 100   | 140                     | 170              |                 |                 |                 |                 |                 |                 | 3.6              | *    | 170  |
| 100   | 140                     | 175              |                 |                 |                 |                 |                 |                 | 3.3              | *    | 175  |
| 100   | 140                     | 180              |                 |                 |                 |                 |                 |                 |                  | 3.6  | *    |
| 100   | 140                     | 183              |                 |                 |                 |                 |                 |                 |                  | 3.4  | *    |
| 100   | 140                     | 190              |                 |                 |                 |                 |                 |                 |                  |      | 183  |
| 100   | 140                     | 191              |                 |                 |                 |                 |                 |                 |                  |      | 190  |
| 120   | 50                      | 22               | 48.0            | *               |                 |                 |                 |                 |                  |      | 22   |
| 120   | 50                      | 25               | 45.2            | *               |                 |                 |                 |                 |                  |      | 25   |
| 120   | 50                      | 30               | 41.0            | *               |                 |                 |                 |                 |                  |      | 30   |
| 120   | 50                      | 35               | 37.7            | *               |                 |                 |                 |                 |                  |      | 35   |
| 120   | 50                      | 37               |                 |                 | 44.1            | *               |                 |                 |                  |      | 37   |
| 120   | 50                      | 40               | 36.1            | *               | 41.4            | *               |                 |                 |                  |      | 40   |
| 120   | 50                      | 50               | 34.3            | *               | 35.1            | *               |                 |                 |                  |      | 50   |
| 120   | 50                      | 51               |                 |                 |                 |                 | 32.3            |                 |                  |      | 51   |
| 120   | 50                      | 59               | 25.4            | *               |                 |                 |                 |                 |                  |      | 59   |
| 120   | 50                      | 60               |                 |                 | 28.7            |                 | 26.7            |                 |                  |      | 60   |
| 120   | 50                      | 65               |                 |                 |                 |                 |                 |                 | 22.3             |      | 65   |
| 120   | 50                      | 70               |                 |                 | 23.7            |                 | 22.1            |                 | 20.4             |      | 70   |
| 120   | 50                      | 79               |                 |                 |                 |                 |                 |                 |                  | 16.3 | 79   |
| 120   | 50                      | 80               |                 |                 |                 |                 |                 |                 |                  | 17.3 | 80   |
| 120   | 50                      | 90               |                 |                 |                 |                 |                 |                 |                  | 14.8 | 90   |
| 120   | 50                      | 92               |                 |                 |                 |                 |                 |                 |                  |      | 12.3 |
| 120   | 50                      | 100              |                 |                 |                 |                 |                 |                 |                  | 11.9 | 100  |
| 120   | 50                      | 110              |                 |                 |                 |                 |                 |                 |                  | 9.6  | 110  |



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

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



| LS-218H II 360 Degree Capacities - Luffing Jib<br>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) | Capacity (kips)  |     |  |
| 140   | 110                     | 131              |                 | 7.1             | *               |                 |                 |                 |                  | 131 |  |
| 140   | 110                     | 139              |                 |                 |                 | 7.6             | *               | 6.9             | 5.9              | 5.0 |  |
| 140   | 110                     | 140              |                 |                 |                 | 7.2             | *               |                 |                  | 4.9 |  |
| 140   | 110                     | 144              |                 |                 |                 |                 |                 |                 |                  | 140 |  |
| 140   | 110                     | 150              |                 |                 |                 |                 | 6.2             | 5.2             | 4.3              | 144 |  |
| 140   | 110                     | 155              |                 |                 |                 |                 | 5.8             |                 |                  | 150 |  |
| 140   | 110                     | 160              |                 |                 |                 |                 |                 | 4.7             | 3.8              | 155 |  |
| 140   | 110                     | 167              |                 |                 |                 |                 |                 | 4.3             |                  | 160 |  |
| 140   | 110                     | 170              |                 |                 |                 |                 |                 |                 | 3.4              | 167 |  |
| 140   | 110                     | 178              |                 |                 |                 |                 |                 |                 | 3.1              | 170 |  |
|   |                         |                  |                 |                 |                 |                 |                 |                 |                  | 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                     | 149              | 2.7             | *               |                 |                 |                 |                 |                  | 140 |  |
| 140   | 140                     | 150              |                 |                 | 3.5             | *               | 4.3             | *               | 5.2              | 149 |  |
| 140   | 140                     | 158              |                 |                 |                 |                 |                 |                 |                  | 150 |  |
| 140   | 140                     | 160              |                 |                 | 2.9             | *               | 3.7             | *               | 4.5              | 158 |  |
| 140   | 140                     | 161              |                 |                 | 2.8             | *               |                 |                 |                  | 160 |  |
| 140   | 140                     | 170              |                 |                 |                 |                 | 3.1             | *               | 3.8              | 161 |  |
| 140   | 140                     | 174              |                 |                 |                 |                 | 2.9             | *               |                  | 170 |  |
| 140   | 140                     | 180              |                 |                 |                 |                 |                 |                 | 3.3              | 174 |  |
| 140   | 140                     | 185              |                 |                 |                 |                 |                 |                 | 3.2              | 180 |  |
| 140   | 140                     | 190              |                 |                 |                 |                 |                 |                 | 2.8              | 185 |  |
| 140   | 140                     | 197              |                 |                 |                 |                 |                 |                 | 2.1              | 190 |  |
| 140   | 140                     | 200              |                 |                 |                 |                 |                 |                 | 2.6              | 197 |  |
| 140   | 140                     | 208              |                 |                 |                 |                 |                 |                 |                  | 1.8 |  |
|   |                         |                  |                 |                 |                 |                 |                 |                 |                  | 200 |  |
|   |                         |                  |                 |                 |                 |                 |                 |                 | 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<br>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) | 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            | *               | 11.0            |                 |                  | 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             |                  | 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