

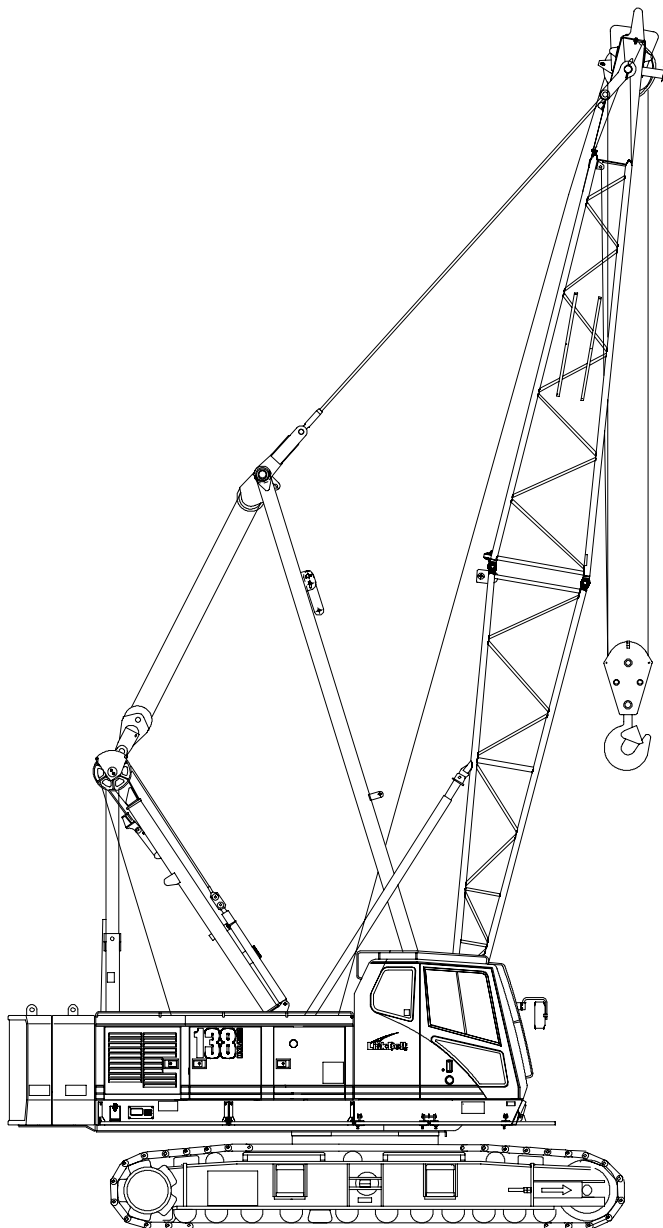
Technical Data

Specifications & Tube Boom Capacities

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HYLAB 5

Crawler Crane
80 Ton (72.6 metric ton)



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

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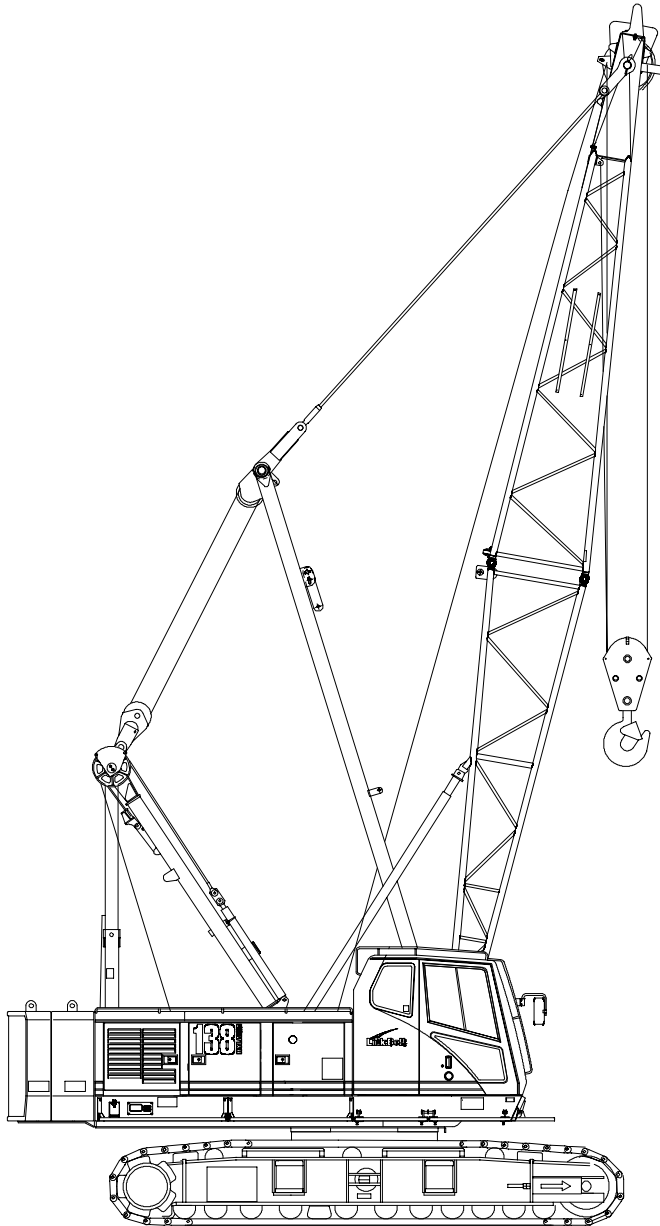
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Specifications

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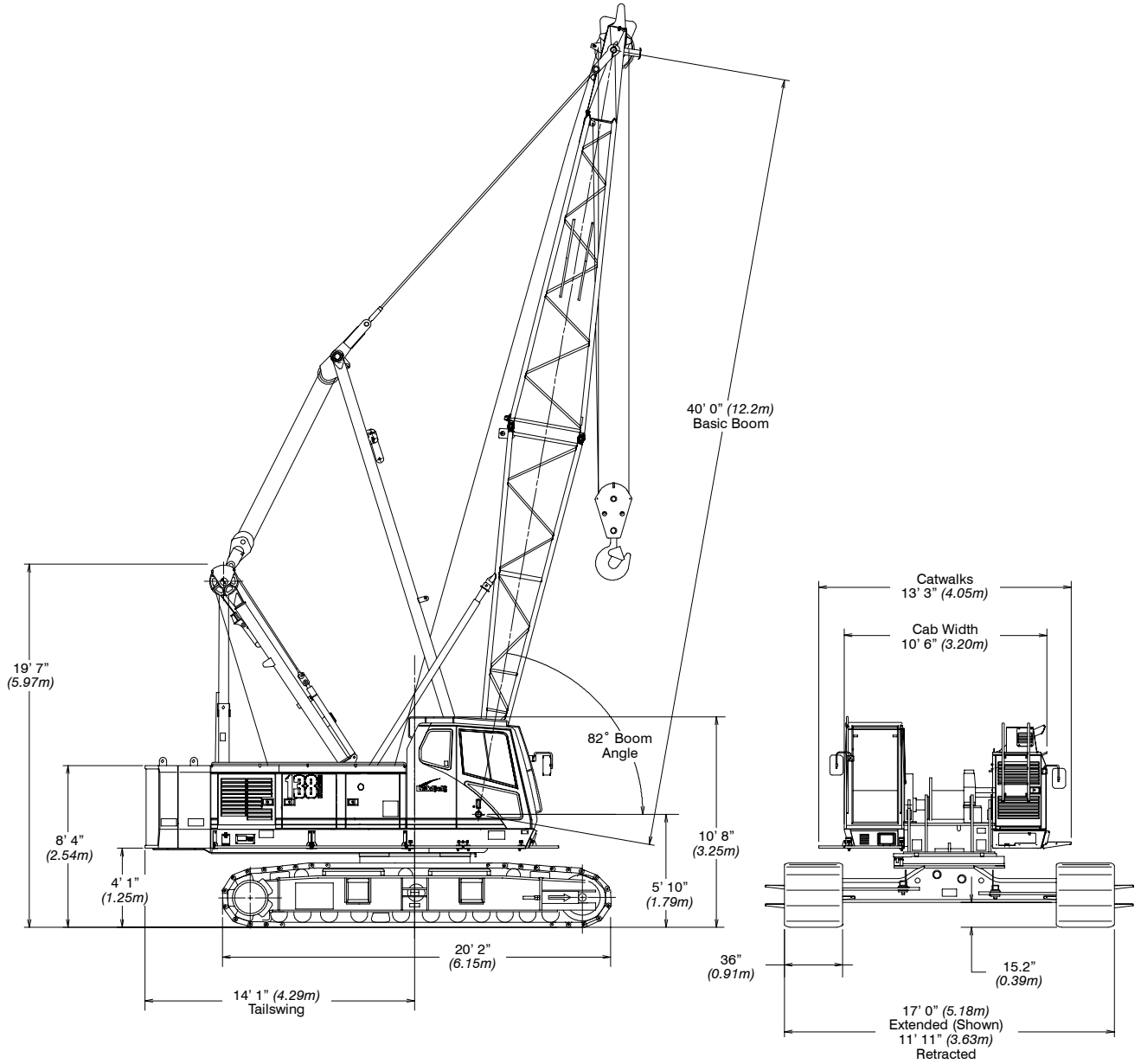
HYLABCS

Crawler Crane
80 Ton (72.6 metric ton)

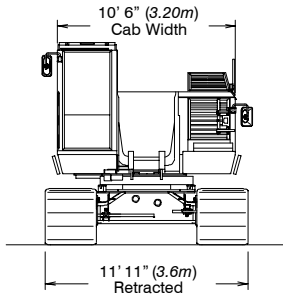


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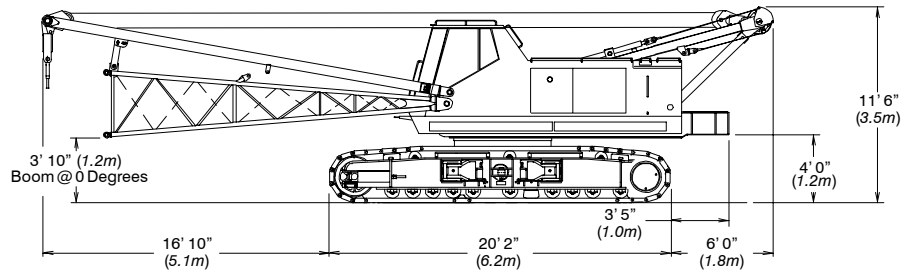
| General Dimensions | English | Metric |
|---|---------|--------|
| Tailswing of counterweight "A" | 13' 3" | 4.04m |
| Maximum live mast working height | 30' 9" | 9.4m |
| Boom foot pin diameter | 3.5" | 8.9cm |
| Distance between inside of boom foot lugs | 27" | 0.7m |



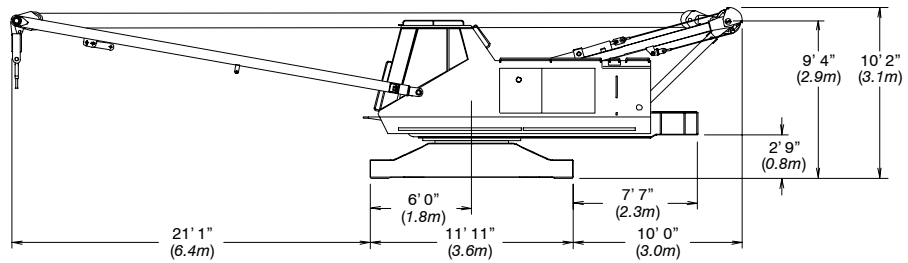
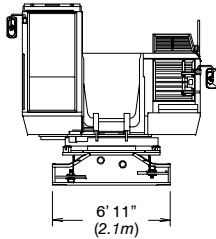
138 HYLAB 5 Crane Transport Weights - approximate



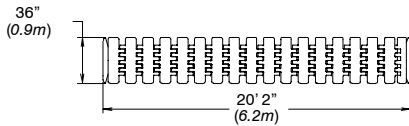
Basic Unit
Bare, no attachment, no rope, no backstops, catwalks on, 1/4 tank of fuel
80,840 lb (36 668kg)



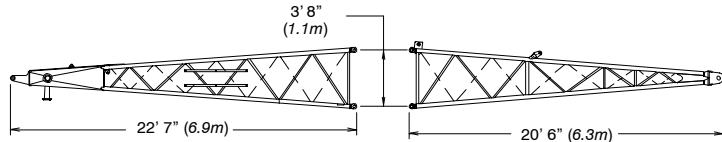
Transport Weight
Rope on both drums, backstops, catwalks, and 1/3 tank of fuel
Tubular: 89,778 lb (40 723kg)
Angle: 90,678 lb (41 131kg)



Upper & Carbody Shipping Weight
Rope on both drums, backstops, catwalks, and full of fuel
51,392 lb (23 311kg)

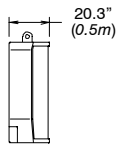
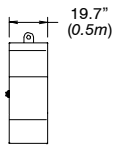


Side Frames w/ 36" (0.9m) Shoes
18,380 lb (8337kg)

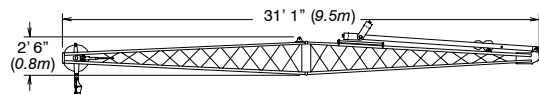
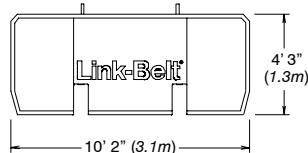


20' (6.1m) Top Section
Tubular: 2,700 lb (1 225kg)
Angle: 3,500 lb (1 588kg)

20' (6.1m) Base Section
Tubular: 1,988 lb (902kg)
Angle: 2,853 lb (1 294kg)



"A" Upper Counterweight 25,250 lb (11 450kg)
"B" Upper Counterweight 25,250 lb (11 450kg)



30' (9.1m) Basic Tubular Jib Assembly
1,683 lb (763kg)



Front Mounted Third Drum
1,345 lb (610kg) - w/o Rope

Transportation Weights

Base Crane: Rigid Boom Backstops, 27 gal (102.2L) of Fuel, Catwalks (front, right, and left side), 20' (6.10m) Tube Base Section, 24' (7.32m) Live Mast with Bridle & Spreader Bar, 14-Part Boom Hoist Reeving, 700' (213m) of Type "DB" Front Hoist Rope, 540' (165m) of Type "RB" Rear Hoist Rope.

| Item Description | Gross Weight | | Transport Loads | | | Notes and Load Summary |
|---|--------------|--------|-----------------|---------|---------|---|
| | lb | kg | Load #1 | Load #2 | Load #3 | |
| Base Crane | 89,778 | 40 723 | 1 | | | Numbers in the load columns to the left represent quantities. |
| Add "A" Counterweight | 25,250 | 11 453 | | | 1 | |
| Add "B" Counterweight | 25,250 | 11 453 | | 1 | | Estimated transport load assumes the load out consist of 200' (60.96m) of tube boom + 60' (18.29m) of jib with full counterweight. |
| Add Hydraulic Third Drum Without Rope | 1,345 | 610 | | | | |
| Add 20' (6.1m) Tube Top Section | 2,700 | 1 225 | | 1 | | |
| Add 10' (3.05m) Tube Extension With Pins & Pendants | 677 | 307 | | | 1 | |
| Add 20' (6.1m) Tube Extension With Pins & Pendants | 1,076 | 488 | | 1 | 2 | Support loads were targeted at 45,000 lb (20 412kg), 8' 6" (2.6m) wide, 48' (14.63m) long, and 13' 6" (4.11m) high using a drop deck trailer. This may vary depending on state laws, empty truck/trailer weights, and style of trailer. |
| Add 30' (9.1m) Tube Extension With Pins & Pendants | 1,481 | 672 | | 2 | 1 | |
| Add 20' (6.1m) Angle Base Section | 2,853 | 1 294 | | | | |
| Add 20' (6.1m) Angle Top Section With 4 Lifting Sheaves | 3,500 | 1 588 | | | | |
| 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 With Pins & Pendants | 992 | 450 | | | | Estimated weights vary by +/- 2%. |
| Add 20' (6.1m) Angle Extension With Pins & Pendants | 1,625 | 737 | | | | |
| Add 30' (9.1m) Angle Extension With Pins & Pendants | 2,264 | 1 027 | | | | |
| Add Bridle & Spreader Bar Only (No Live Mast) | 990 | 449 | | | | Estimated Total Load #1 89,778 lb (40 723kg). |
| Add Tagline Winder | 760 | 345 | | | | Estimated Total Load #2 33,959 lb (15 404kg). |
| Add Fairleader | 1,272 | 577 | | | | |
| Add 30' (9.1m) Tube Jib | 1,683 | 763 | | | 1 | Estimated Total Load #3 31,877 lb (14 459kg). |
| Add 15' (4.6m) Tube Jib Extension | 317 | 144 | | | 2 | |
| Add 5' (1.5m) Auxiliary Tip Extension | 735 | 333 | | | | |
| Add Holding Rope - 0.88" X 165' Type "DB" | 234 | 106 | | | | |
| Add Closing Rope - 0.88" X 220' Type "DB" | 312 | 142 | | | | |
| Add Inhaul Rope - 0.88" X 105' Type "M" | 141 | 64 | | | | |
| Add Hoist Rope - 0.88" x 210' Type "DB" | 298 | 135 | | | | |
| Add Jib Wire Rope - 0.88" X 700' Type "DB" | 994 | 451 | | | | |
| Add 3rd Drum Wire Rope 0.63" X 385' Type "ZB" | 312 | 142 | | | | |
| Add 3rd Drum Wire Rope 0.63" X 385' Type "WB" | 296 | 134 | | | | |
| Add Auxiliary Lifting Bail | 191 | 87 | | | | |
| Add 15-ton (13.6mt) Hook Ball - Non Swivel | 750 | 340 | | 1 | | |
| Add 15-ton (13.6mt) Hook Ball - Swivel | 760 | 345 | | | | |
| Add 80-ton (72.6mt) 4 Sheave Hook Block | 1,221 | 554 | | 1 | | |
| Remove 20' Tube Base Section | -1,988 | -902 | | | | |
| Remove Front Hoist Rope 0.88" X 700' Type "DB" | -944 | -428 | | | | |
| Remove Jib Wire Rope 0.88" X 540' Type "RB" | -1,050 | -476 | | | | |
| Remove 24' (7.3m) Live Mast With Bridle & Spreader Bar | -2,356 | -1 069 | | | | |
| Add 50 gal (189.3L) Of Fuel | 362 | 164 | | | | |

Working Weights

| Option | Description | Gross Weight lb (kg) | Ground Bearing Pressure psi (kg/cm ²) |
|--------|---|-------------------------|---|
| 1 | Base crane equipped with 40' (12.2m) of tubular boom, live mast, "A" counterweight, 700' (213m) front hoist rope, 540' (165m) rear hoist rope, 80-ton (72.6mt) hook block, 77 gal (291.5L) of fuel, and a 200 lb (90.7kg) operator. | 119,511 (54 209) | 7.62 (0.53) |
| 2 | Option #1 plus "B" counterweight, midpoint pendants, and 160' (48.77m) of boom extensions to obtain 200' (60.96m) of main boom. | 153,109 (69 449) | 9.76 (0.69) |
| 3 | Option #2 plus 60' (18.29m) of jib and 15-ton (13.6mt) hookball - subtract 20' (6.10m) of boom extension and midpoint pendants to obtain maximum 180' + 60' (54.86 + 18.29m) of main boom + jib. | 155,100 (70 352) | 9.88 (0.70) |
| 4 | Base crane equipped with 40' (12.20m) of angle boom, live mast, "A" counterweight, 700' (213m) front hoist rope, 540' (165m) rear hoist rope, 80-ton (72.6mt) hook block, 77 gal (291.5L) of fuel, and a 200 lb (90.7kg) operator. | 121,176 (54 965) | 7.72 (0.54) |
| 5 | Option #4 plus "B" counterweight and 110' (33.53m) of boom extensions to obtain 150' (45.72m) of main boom. | 155,196 (70 396) | 9.89 (0.70) |
| 6 | Option #5 plus 60' (18.29m) of jib and 15-ton (13.6mt) hookball to obtain maximum 150' + 60' (45.72 + 18.29m) of main boom + jib. | 158,263 (71 786) | 10.09 (0.71) |

Notes:

- Ground bearing pressure is based on the total weight distributed evenly over the track contact area.
- Total contact area for 36" (0.91m) track shoes is 15,692 in² (101,239cm²).

Attachment Options

■ 40’-200’ Tube Boom (12.19 - 60.96m)

Basic Tube Boom - 40’ (12.19m) two-piece design that utilizes a 20’ (6.10m) base section and a 20’ (6.10m) open throat top section with in-line connecting pins on 54” (1.37m) wide and 44” (1.12m) deep centers.

- Boom foot on 50” (1.27m) centers
- 3” (76.2mm) diameter chords
- Lugs on base section to attach carrying links
- Skywalk platform
- Deflector roller on top section
- Permanent skid pads mounted on top section to protect head machinery
- Rigid sheave guards
- Five 18” (0.46m) root diameter steel sheaves mounted on sealed anti-friction bearings
- Mechanical boom angle indicator

Optional - Handling system that mounts in the boom base to allow loading/unloading of a counterweight 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’ (3.05m) increments. Midpoint pendant connections are required at 80’ (24.38m) for 190’ (57.91m) and 200’ (60.96m) boom lengths.

| Tube Boom Extensions | Suggested Quantity for Maximum Boom |
|----------------------|-------------------------------------|
| 10’ (3.05m) | 1 |
| 20’ (6.10m) | 3 |
| 30’ (9.14m) | 3 |

- Deflector roller on top of each section
- Appropriate length pendants
- Maximum tube boom tip height of 204’ (62.18m)

■ 40’-150’ Angle Boom (12.19 - 45.72m)

Basic Angle Boom - 40’ (12.19m) two-piece design that utilizes a 20’ (6.10m) base section and a 20’ (6.10m) open throat top section with in-line connecting pins. Boom extensions are 48” (1.22m) wide and 48” (1.22m) deep at outside dimensions of angles.

- Boom foot on 50” (1.27m) centers
- 4” X 4” X 0.38” (101.6 x 101.6 x 9.7mm) angle chords
- Lugs on base section to attach carrying links
- Skywalk platform
- Deflector roller on top section
- Permanent skid pads mounted on top section to protect head machinery
- Rigid sheave guards
- Four 18” (0.46m) root diameter steel sheaves mounted on sealed anti-friction bearings
- Mechanical boom angle indicator

Optional - Three sheave head machinery for clam applications or two wide sheaves for dragline applications

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

| Angle Boom Extensions | Suggested Quantity for Maximum 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 154’ (46.94m)

■ 30’ - 60’ Tube Jib (9.14- 18.29m)

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

- 2” (50.8mm) diameter tubular chords
- One 18.5” (0.47m) root diameter steel sheave mounted on sealed anti-friction bearings.
- 15’ (4.57m) jib extensions provide jib lengths at 45’ (13.72m) and 60’ (18.29m)
- Jib offset angles at 5°, 15°, and 25°
- Maximum tip height of boom + jib is 242’ (73.76m) using the tube boom and 204’ (62.18m) using the angle boom.

■ Auxiliary 5’ (1.52m) Tip Extension

Designed to use instead of a jib to provide clearance between working hoist lines. The extension is equipped with a single 15.25” (0.39m) root diameter steel sheave mounted on sealed anti-friction bearings. Maximum capacity is 9-ton (8.16mt).

■ Boom Hoist System

Designed to lift off maximum boom or maximum boom plus jib unassisted. Operates up to a maximum boom angle of 82°. Automatically limits maximum boom angle operation.

- Retractable gantry frame
- Pin-on bail frame
- 14-part reeving with 5/8” (15.88mm) type “W” wire rope
- Bridle assembly
- 24’ (7.31m) live mast (optional for angle attachment)
- Two 1.25” (31.75mm) pendants
- Telescopic boom backstops (tubular type)
- Sheaves contain sealed anti-friction bearings
- Boom speed from 10°-70° is 52 seconds with no load and 94 seconds with full load. Speed was determined using 100’ (30.5m) of tube boom.

Revolving Upperstructure

■ Frame

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

■ Engine

| | |
|--|-------------------------|
| Mitsubishi 6D16-TLE2A with oil filter, oil cooler, air cleaner, fuel filter, water separator, hour meter, tachometer, and electrical shutdown. | |
| Number of cylinders | 6 |
| Bore and stroke - in (mm) | 4.65 x 4.53 (118 x 115) |
| Piston displacement - in ³ (cm ³) | 460 (7 538) |
| Engine rpm at full load speed | 2,000 |
| Hi-idle rpm | 2,200 |
| Gross horsepower (kw) | 182 (135) |
| Peak torque - ft lb (joule) | 535 (726) |
| Peak torque - rpm | 1,600 |
| Electrical system | 24 volt |
| Batteries | 2-12 volt |
| Approximate fuel consumption | |
| | gal/hr (L/hr) |
| 100% hp | 9.17 (34.71) |
| 50% hp | 4.58 (17.34) |
| 25% hp | 2.29 (8.67) |
| 15% hp | 1.38 (5.22) |

■ Hydraulic System

Hydraulic Pumps - The pump arrangement is designed to provide precise control with independent or simultaneous operation of all crane functions.

- Pump P1 - Variable displacement, semi-closed loop, piston pump operating at 4,480 psi (315kg/cm²) and 64 gpm (242Lpm). Supplies power for the front drum, rear drum, boom hoist drum, and travel.
- Pump P2 - Variable displacement, semi-closed loop, piston pump operating at 4,480 psi (315kg/cm²) and 64 gpm (242Lpm). Supplies power for the front drum, rear drum, travel, and optional 4th drum.
- Pump P3 - Fixed displacement, open loop, gear pump operating at 3,556 psi (250kg/cm²) and 33 gpm (125Lpm). Supplies power for swing and side frame retract cylinders.
- Pump P4 - Fixed displacement, open loop, gear pump operating at 1,422 psi (100kg/cm²) and 12.7 gpm (48Lpm). Supplies power for remote mounted hydraulic oil cooler fan.
- Pump P5 - Fixed displacement, open loop, gear pump operating at 2,987 psi (210kg/cm²) and 8.6 gpm (33Lpm). Supplies power for hydraulic remote control system and hydraulic counterweight self-assembly system.

- Pump P6 (Optional) - Fixed displacement, open loop, gear pump operating at 1,422 psi (100kg/cm²) and 6.3 gpm (24Lpm). Supplies power for optional hydraulic tagline.

Pump Control ("Fine Inching") mode

Special pump setting, selectable from operator's cab, that allows very slow movements of load hoist drums, boom hoist drum, and travel for precision work.

Hydraulic Reservoir - 53 gal (200.6L), equipped with sight level gauge. Diffusers built in for deaeriation.

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)
- 0.88" (22.35mm) grooved lagging
- Drum pawl controlled manually
- Electronic drum rotation indicators
- Mounted on anti-friction bearings
- 17.64" (0.45m) root diameter
- 29.92" (0.76m) flange diameter
- 19.84" (0.50m) width

Note: The freefall operation 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 - Power hydraulic two shoe clutch design that uses a 20" (0.51mm) diameter x 5" (0.13mm) wide shoe that internally expands to provide load control. Swept area is 314 in² (2 026 cm²).

■ Optional Front Mounted Third Hoist Drum

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

- Free-spooling capability for pile driving applications
- 10.63" (0.27m) root diameter
- 20" (0.51m) outside flange diameter
- 13.5" (0.34m) 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 automatically controlled brake
- 5/8" (15.88mm) grooved lagging
- Drum pawl controlled manually
- Mounted on anti-friction bearings
- 12.60" (0.32m) root diameter
- 24.41" (0.62m) flange diameter
- 9.57" (0.24m) width

■ Swing System

Mechanical linkage controls the bi-directional axial piston motor 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
- Two position positive house lock
- Audio/Visual swing alarm
- Maximum swing speed is 3.0 rpm

■ Upper Counterweight

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

- 25,250 lb (11 453kg) "A" upper counterweight
- 25,250 lb (11 453kg) "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
- Folding hinge entry door and sliding front glass window
- 19,000 BTU hot water heater
- 18,600 BTU air conditioner
- Door and window locks
- Circulating fan
- Sun visor
- Cloth seat
- Padded for noise and vibration reduction
- Defroster
- Windshield wipers and washer
- Dry chemical fire extinguisher
- Engine instrumentation panel (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
- Hand and foot throttle
- Fully adjustable single axis controls
- Swing lever with swing brake and horn located on handle
- Bubble type level
- Ergonomic gauge layout
- Control shut off lever
- Right hand control stand is adjustable by electric motor for operator comfort
- Horn

■ Rated Capacity Limiter System

The rated capacity limiter system is a boom hoist load cell system. This system provides the operator with useful geometrical data, to include:

- Main Boom Length
- Main Boom Angle
- Jib Length
- Jib Angle
- Operating Mode
- Load Radius
- Boom Tip Height
- Audible Alarm
- Anti-Two Block Indicator
- Pre-Warning Light
- Overload Light
- Load On Hook
- Function kick-outs including over load
- Operator settable stops (Ramped Stops)
- Boom Hoist Dead End Load Cell (No Lineriders)
- Engine rpm Is Displayed On LCD1 Of Rated Capacity Limiter System

■ Additional Equipment - Standard

- 57.88" (1.47m) outside diameter turntable bearing
- Front, right, & left side removable catwalks
- 53 gal (200.6L) fuel tank (usable quantity)
- Crane lifting links

■ Additional Equipment - Optional

- Rud-o-matic® model 1248 tagline winder for angle boom (double barrel, spring wound, drum type)
- Rud-o-matic® model 648 tagline winder for tube boom
- Full revolving type Fairleader with barrel, sheaves, and guide rollers

Lower Structure

■ Lower Frame

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

- 8' 10.7" (2.71m) overall width
- 11' 11" (3.63m) overall length

■ Side Frames

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

- 14' (4.27m) extended gauge
- 8' 11" (2.72m) retracted gauge
- 20' 2" (6.15m) overall length
- 36" (0.91m) wide track shoes
- 11 sealed (oil filled) track rollers per side frame
- Sealed (oil filled) idler and drive planetaries
- Compact travel drives
- Hydraulic self adjusting tracks

Travel and Steering - Each side frame 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 automatically controlled brake
- Maximum travel speed is 1.0 mph (1.6km/h) in high speed and 0.6 mph (1km/h) in low speed
- Designed to 30% gradeability

Load Hoisting Performance

Front Or Rear Drum – 7/8” (22.22mm) Wire Rope

| Rope Layer | 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 | 32,377 | 14 686 | 300 | 91 | 91 | 28 | 18.5 | 470 | 100 | 30 | 100 | 30 |
| 2 | 29,581 | 13 418 | 329 | 100 | 100 | 30 | 20.3 | 516 | 109 | 33 | 209 | 64 |
| 3 | 27,229 | 12 351 | 357 | 109 | 109 | 33 | 22.0 | 559 | 119 | 36 | 327 | 100 |
| 4 | 25,224 | 11 441 | 386 | 118 | 117 | 36 | 23.8 | 605 | 128 | 39 | 455 | 139 |
| 5 | 23,493 | 10 657 | 414 | 126 | 126 | 38 | 25.5 | 648 | 137 | 42 | 593 | 181 |
| 6 | 21,985 | 9 972 | 442 | 135 | 134 | 41 | 27.3 | 693 | 147 | 45 | 740 | 225 |

Boom Hoist Drum – 5/8” (15.88mm) Wire Rope

| Rope Layer | 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 | 17,856 | 8 099 | 186 | 57 | 177 | 54 | 13.2 | 336 | 48 | 15 | 48 | 15 |
| 2 | 16,313 | 7 400 | 203 | 62 | 193 | 59 | 14.5 | 368 | 52 | 16 | 100 | 31 |
| 3 | 15,017 | 6 812 | 221 | 67 | 210 | 64 | 15.7 | 400 | 57 | 17 | 157 | 48 |
| 4 | 13,911 | 6 310 | 238 | 73 | 227 | 69 | 17.0 | 432 | 61 | 19 | 218 | 67 |
| 5 | 12,956 | 5 877 | 256 | 78 | 243 | 74 | 18.3 | 464 | 66 | 20 | 284 | 87 |
| 6 | 12,125 | 5 500 | 274 | 84 | 260 | 79 | 19.5 | 496 | 70 | 21 | 355 | 108 |
| 7 | 11,393 | 5 168 | 291 | 89 | 277 | 84 | 20.8 | 528 | 75 | 23 | 430 | 131 |

Optional Third Drum – 5/8” (15.88mm) Wire Rope

| Rope Layer | 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 | 15,041 | 6 822 | 157 | 48 | 143 | 44 | 11.25 | 286 | 57 | 17 | 57 | 17 |
| 2 | 13,537 | 6 140 | 175 | 53 | 159 | 48 | 12.50 | 318 | 64 | 20 | 121 | 37 |
| 3 | 12,307 | 5 582 | 192 | 59 | 175 | 53 | 13.75 | 349 | 71 | 22 | 192 | 59 |
| 4 | 11,282 | 5 117 | 210 | 64 | 191 | 58 | 15.00 | 381 | 77 | 23 | 269 | 82 |
| 5 | 10,414 | 4 724 | 228 | 69 | 207 | 63 | 16.25 | 413 | 83 | 25 | 352 | 107 |
| 6 | 9,671 | 4 387 | 245 | 75 | 223 | 68 | 17.50 | 445 | 90 | 27 | 442 | 135 |

Wire Rope Applications

| Wire Rope Application | Diameter | | Length | | Type | Maximum Permissible Load | |
|-----------------------|----------|-------|--------|-----|------|--------------------------|--------|
| | in | mm | ft | m | | lb | kg |
| Boom Hoist | 5/8 | 15.88 | 610 | 186 | W | 11,770 | 5 339 |
| Front Hoist | 7/8 | 22.22 | 700 | 213 | DB | 22,740 | 10 315 |
| Rear Hoist (Optional) | 7/8 | 22.22 | 540 | 165 | RB | 17,520 | 7 947 |
| Rear Hoist (Optional) | 7/8 | 22.22 | 700 | 213 | DB | 22,740 | 10 315 |
| Third Drum (Optional) | 5/8 | 15.88 | 385 | 117 | ZB | 11,080 | 5 026 |
| Third Drum (Optional) | 5/8 | 15.88 | 385 | 117 | WB | 13,650 | 6 192 |

| Rope Type | Description |
|-----------|--|
| DB | 6 x 26 (6 X 19 Class) – Warrington Seal – 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 |
| ZB | 36 x 7 – Non – rotating – Extra Improved Plow Steel – Right Lay – Regular Lay |
| WB | 8 Strand – Regular Lay |
| W | 6 x 26 (6 X 19 Class) – Extra Improved Plow Steel – Preformed – Right Lay – Alternate Lay – I.W.R.C. |

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Lifting Capacities

Lattice Boom Crawler Crane

138 HYLAB 5

80-ton (72.6 metric ton)

Tube Boom Capacities

40' – 200' (12.19 – 60.96m)

24' (7.31m) Live Mast

- Extended/Retracted Side Frames

20' (6.10m) Base Section

- Extended/Retracted Side Frames

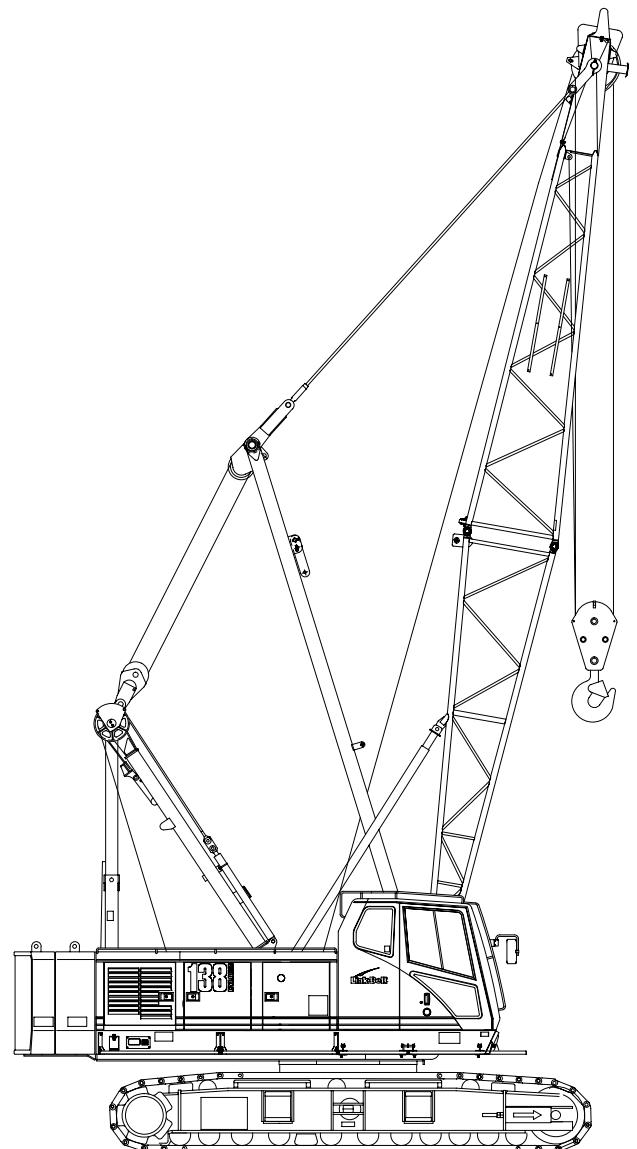
5' (1.52m) Tip Extension

Duty Cycle Capacities

- 40' – 70' (12.19 – 21.34m) Tube Boom
- Extended Side Frames
- "A" Counterweight

Tube Boom Capacities

- 40' – 200' (12.19 – 60.96m) Tube Boom
- 54" (1.37m) Wide x 44" (1.12m) Deep Boom
- 20' (6.10m) Open Throat Top Section
- 24' (7.31m) Live Mast
- Extended / Retracted Side Frames
- Over End Blocked Capacities
- "AB", "A", or "O" Counterweight Options
- 20' 2" (6.15m) Crawler Length



CAUTION: This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual to determine allowable crane 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.

LIFTING NOTES

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 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, load weighing device, etc. When using main hook while jib is attached, reduce capacities by values shown on Capacity Deductions For Lifting Off Main Boom Hook With Jib Installed. When using main hook while 5' tip extension is attached, reduce capacities by values shown on Capacity Deductions For Lifting Off Main Boom Hook With 5' Tip Extension 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 ratings.

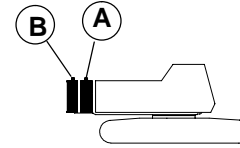
3. For recommended reeving, parts of line, wire rope type, and wire rope inspection, see Wire Rope Capacity chart, Operator's Manual, and Parts Manual.
4. Load ratings in the Crane Rating Manual are based on freely suspended loads and make no allowances for such factors as the effect of the wind, ground conditions, and operating speeds. The operator shall therefore reduce load ratings in order to take these conditions into account.
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. Extreme caution should be used when lifting heavy loads or loads with large wind sail area under high wind conditions (over 20 mph).
6. The 24' live mast must be used for all capacities in the Crane Rating Manual.
7. The least stable rated condition is over the side.
8. Booms must be erected and lowered over the end.
9. Do not operate at radii and boom lengths where the Crane Rating Manual lists no capacity. Do not use longer booms or jibs than those listed in the Crane Rating Manual. Any of the above can cause a tipping condition, or boom and jib failure.
10. These capacities apply only to the crane as originally manufactured and normally equipped by Link-Belt Construction Equipment Company.

FOR OVER END CAPACITIES ONLY

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

WIRE ROPE CAPACITY

| Parts of Line | 7/8" | | 5/8" | | Notes |
|------------------|--|-----------|-----------|-----------|---|
| | Type "DB" | Type "RB" | Type "ZB" | Type "WB" | |
| 1 | 22,700 | 17,520 | 11,000 | 13,650 | Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in the Crane Rating Manual. Study Operator's Manual for wire rope inspection procedures and single part of line applications. |
| 2 | 45,400 | 35,040 | 22,000 | 27,310 | |
| 3 | 68,100 | 52,560 | 33,000 | 40,970 | |
| 4 | 90,800 | 70,080 | 44,000 | 54,620 | |
| 5 | 113,500 | 87,600 | 55,000 | 68,280 | |
| 6 | 136,200 | 105,120 | 66,000 | 81,940 | |
| 7 | 158,900 | 122,640 | 77,000 | 95,600 | |
| 8 | 181,600 | 140,160 | 88,000 | 109,250 | |
| LBCE Type | Description | | | | |
| DB | 6 x 26 (6 x 19 Class) – Warrington Seal – 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 | | | | |
| ZB | 36 x 7 Class – Non–Rotating – Extra Improved Plow Steel – Right Lay – Regular Lay | | | | |
| WB | 8 Strand – Regular Lay | | | | |

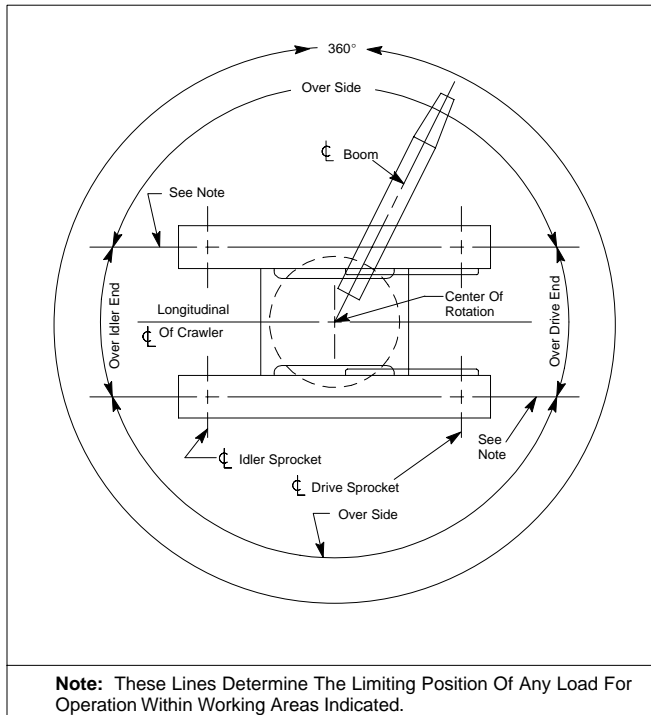


LIFTOFF CAPABILITIES

| Counterweight (Side Frames) | Over End | |
|-----------------------------|-------------------|------------------------------------|
| | Maximum Boom (ft) | Maximum Boom + Jib (ft) |
| NO (RETRACTED) | 90 | N/A |
| NO (EXTENDED) | 120 | N/A |
| A (RETRACTED) | 140 | N/A |
| A (EXTENDED) | 170 | N/A |
| AB (EXTENDED) See Note 6 | 200 | 180 + 60 190 + 30 See Note 6 |

| Counterweight (Side Frames) | Over Side | |
|-----------------------------|-------------------|-------------------------|
| | Maximum Boom (ft) | Maximum Boom + Jib (ft) |
| NO (RETRACTED) | 90 | N/A |
| NO (EXTENDED) | 120 | N/A |
| A (RETRACTED) | 140 | N/A |
| A (EXTENDED) | 170 | N/A |
| AB (EXTENDED) | 200 | 170 + 60 |

WORKING AREAS



NOTES:

- Booms should be erected or lowered over the end with no load if possible – hook block on ground. (See Note 6).
- Crane on firm and level surface.
- Open throat booms 190' and 200' in length require midpoint suspension pendants.
- Boom and jib combination of 190' + 30' does require midpoint suspension pendants.
- Boom and jib combination of 180' + 60' does not require midpoint suspension pendants.
- For Maximum Boom + Jib Combinations only – Adequate blocking must be placed under The side frame sprockets/idlers to prevent rocking. (Lift Off Over End only). The ramps supplied with the crane are considered to be adequate blocking.

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

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

| Jib Length (ft) | Offset Angle (deg) | Capacity Deduction (lb) |
|-----------------|--------------------|-------------------------|
| 30 | 5 | 3,700 |
| | 15 | 4,800 |
| | 25 | 6,200 |
| 45 | 5 | 4,500 |
| | 15 | 6,400 |
| | 25 | 8,400 |
| 60 | 5 | 5,500 |
| | 15 | 7,900 |
| | 25 | 10,600 |

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

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

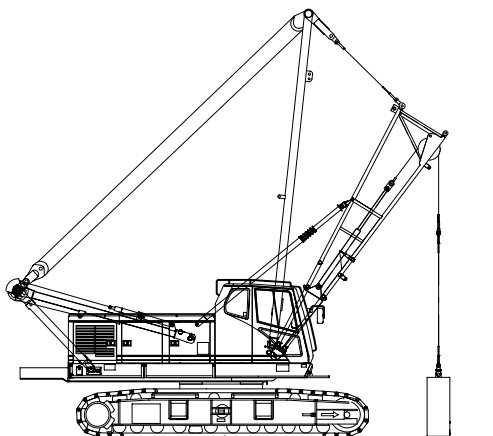
| Tip Extension | Capacity Deduction (lb) |
|---------------------------------------|-------------------------|
| 5' Tip Extension – Not Reeved | 900 |
| 5' Tip Extension – With 15T Hook Ball | 2,200 |

20' BASE SECTION CYLINDER LIFTING CAPACITIES (WITHOUT COUNTERWEIGHT INSTALLED)

| Base Section Cylinders | | Side Frames Extended (lb) | Side Frames Retracted (lb) |
|------------------------|-------------|---------------------------|----------------------------|
| Radius (ft) | Angle (deg) | | |
| 15 | 55.0 | 26,500 | 26,500 |
| 16 | 50.9 | 26,500 | 26,500 |
| 17 | 46.4 | 26,500 | 26,100 |
| 18 | 41.6 | 26,500 | 23,900 |
| 19 | 36.0 | 26,500 | 22,000 |
| 20 | 29.5 | 26,500 | 20,300 |
| 21 | 20.6 | 26,500 | 18,700 |

NOTES:

1. Rated capacities for 360° rotation.
2. Boom base section supported by make up pendants.
3. Lifting any load with one cylinder is prohibited. Rated capacities are for lifting loads with both cylinders.
4. Gantry can be either in the raised or lowered position when lifting loads with the cylinders in the base section. When the gantry is in the lowered position the backstay links must be pinned.
5. Do not raise boom higher than 55° angle.
6. Do not lower live mast below 3° angle with gantry in lowered position.

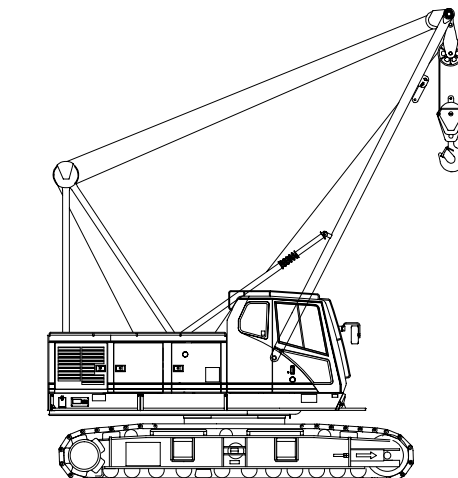


LIVE MAST LIFTING CAPACITIES (WITHOUT COUNTERWEIGHT INSTALLED)

| Live Mast | | Side Frames Extended (lb) | Side Frames Retracted (lb) |
|-------------|-------------|---------------------------|----------------------------|
| Radius (ft) | Angle (deg) | | |
| 10 | 73.7 | 60,000 | 60,000 |
| 11 | 71.2 | 60,000 | 51,600 |
| 12 | 68.7 | 60,000 | 44,600 |
| 13 | 66.1 | 60,000 | 39,200 |
| 14 | 63.5 | 60,000 | 34,900 |
| 15 | 60.8 | 59,400 | 31,500 |
| 16 | 58.0 | 52,700 | 28,600 |
| 17 | 55.1 | 47,400 | 26,200 |
| 18 | 52.2 | 43,000 | 24,200 |
| 19 | 49.1 | 39,300 | 22,500 |
| 20 | 45.8 | 36,200 | 20,900 |
| 21 | 42.4 | 33,500 | 19,600 |
| 22 | 38.8 | 31,200 | 18,400 |
| 23 | 34.8 | 29,200 | 17,300 |
| 24 | 30.3 | 27,400 | 16,400 |

NOTES:

1. Refer to the Operator's Manual.
2. Live mast backstops must be in position and operative.
3. Use rear hoist drum only. Reeve hoist line to drum over live mast cross member.
4. Reeve hoist rope with three (3) parts of 7/8" diameter wire rope.
5. The crane shall be leveled on a firm supporting surface.
6. Capacities are based on 75% stability.
7. See Crane Assembly Component Weights chart for weight of components for crane assembly in the Crane Rating Manual.
8. Rated capacities for 360° rotation.
9. Gantry can be either in the raised or lowered position when lifting loads with the live mast. When the gantry is in the lowered position the backstay links must be pinned.
10. Do not lower live mast below 3° angle with gantry in lowered position.



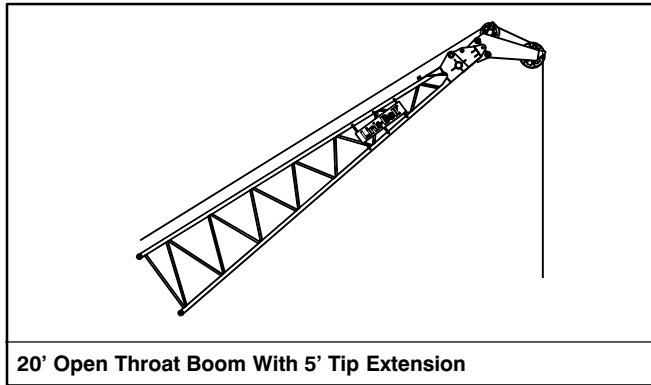
MAXIMUM ALLOWABLE CAPACITIES FOR 5' TIP EXTENSION

LIFTING CAPACITY TO BE THE SMALLEST OF THE FOLLOWING VALUES:

1. 18,000 lb
2. The standard crane lift capacity minus 1,100 lb for the boom length, tip extension load radius, and counterweight configuration in use on the crane.

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 1,100 lb when the tip extension is installed.
3. The maximum boom length on which the tip extension can be installed is 150'.
4. Do not lift or suspend a load from the boom tip extension and main boom at the same time.



DUTY CYCLE NOTES FOR TUBULAR BOOM

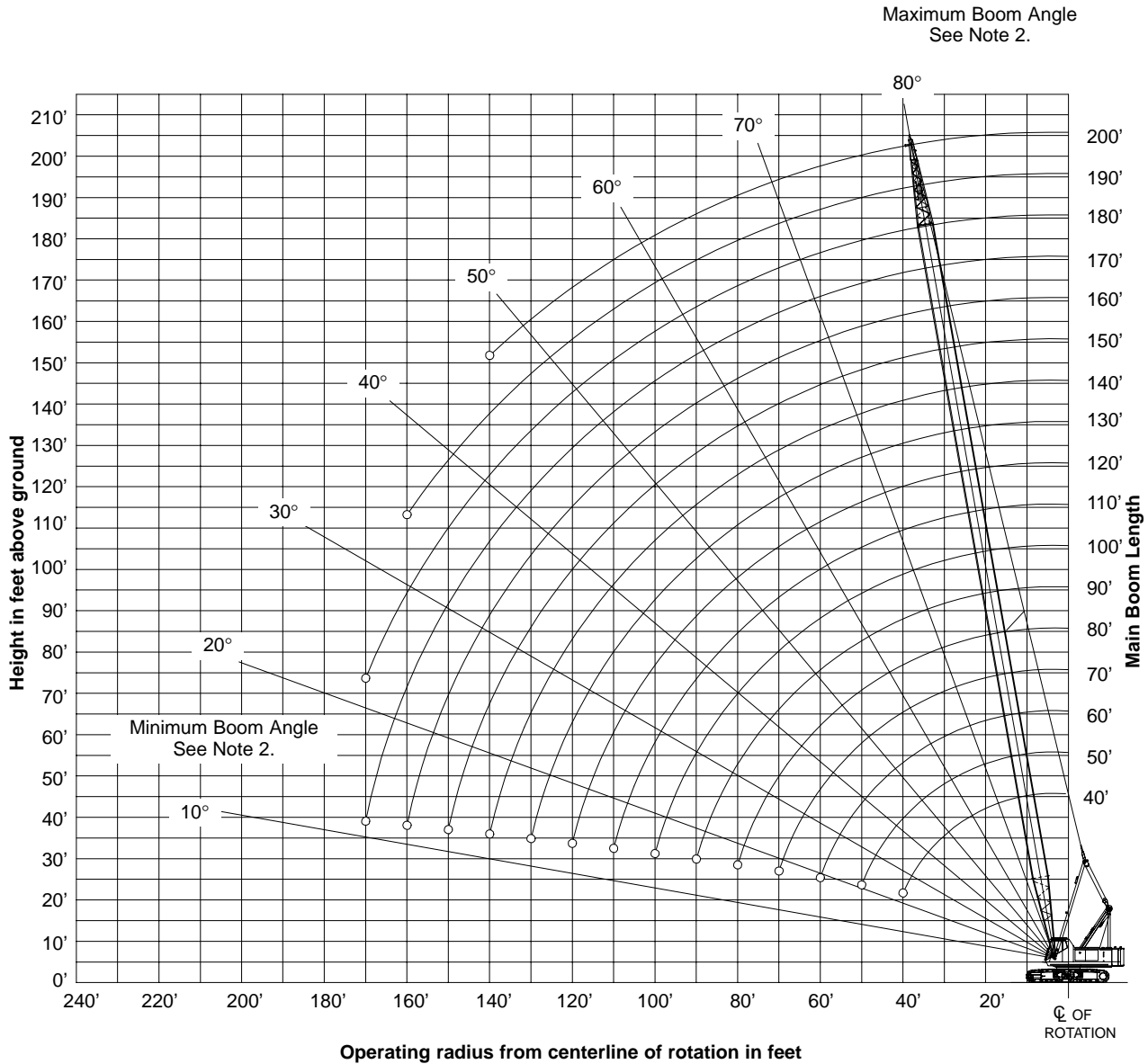
1. The capacities included in this chart are the maximum allowable, and are based on crane standing level on firm supporting surface under ideal job conditions.
2. Capacities are based on 75% of minimum tipping loads for dragline; 67.5% for clamshell.
3. Capacities are maximum recommended by PCSA Standard #4. User 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 70'.
7. Retractable high gantry must be fixed in raised position for all capacities on this chart.
8. These capacities apply to the crane as originally manufactured and normally equipped by Link-Belt Construction Equipment Company.

DUTY CYCLE CAPACITIES TUBULAR BOOM

| Boom Length (ft) | Load Radius (ft) | Boom Angle (deg) | Side Frames Extended – "A" Counterweight Only (All capacities listed are in pounds) | |
|------------------|------------------|------------------|--|------------------|
| | | | Dragline | Clamshell/Magnet |
| 40 | 15 | 73.0 | — | 15,800 |
| 40 | 20 | 65.3 | — | 15,800 |
| 40 | 25 | 57.1 | 15,800 | 15,800 |
| 40 | 30 | 48.1 | 15,800 | 15,800 |
| 40 | 35 | 37.5 | 15,800 | 15,800 |
| 40 | 40 | 23.4 | — | 15,800 |
| 50 | 20 | 70.5 | — | 15,800 |
| 50 | 25 | 64.3 | — | 15,800 |
| 50 | 30 | 57.7 | 15,800 | 15,800 |
| 50 | 35 | 50.6 | 15,800 | 15,800 |
| 50 | 40 | 42.7 | 15,800 | 15,800 |
| 50 | 50 | 20.9 | — | 15,800 |
| 60 | 25 | 68.8 | — | 15,800 |
| 60 | 30 | 63.6 | — | 15,800 |
| 60 | 35 | 58.1 | 15,800 | 15,800 |
| 60 | 40 | 52.3 | 15,800 | 15,800 |
| 60 | 50 | 38.9 | 15,800 | 15,800 |
| 60 | 60 | 19.0 | — | 11,700 |
| 70 | 25 | 71.9 | — | 15,800 |
| 70 | 30 | 67.6 | — | 15,800 |
| 70 | 35 | 63.1 | — | 15,800 |
| 70 | 40 | 58.4 | 15,800 | 15,800 |
| 70 | 50 | 48.1 | 15,800 | 15,800 |
| 70 | 60 | 35.9 | 13,000 | 11,700 |
| 70 | 70 | 17.6 | — | 9,300 |

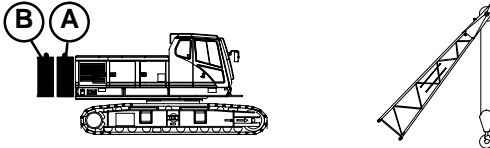
WORKING RANGE DIAGRAM

40' TO 200' OPEN THROAT BOOM



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.



| 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) | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) |
| 9 | 81.8 | 160,000 | 160,000 | 160,000 | 160,000 | 143,300 | 77,200 |
| 10 | 80.3 | 160,000 | 160,000 | 160,000 | 153,200 | 116,900 | 62,800 |
| 11 | 78.9 | 160,000 | 160,000 | 157,600 | 123,000 | 98,600 | 52,700 |
| 12 | 77.4 | 160,000 | 160,000 | 145,300 | 98,100 | 85,100 | 45,300 |
| 13 | 75.9 | 151,900 | 151,900 | 134,800 | 81,500 | 74,800 | 39,700 |
| 14 | 74.5 | 141,600 | 141,600 | 118,600 | 69,500 | 66,600 | 35,200 |
| 15 | 73.0 | 132,600 | 132,600 | 103,500 | 60,500 | 60,000 | 31,500 |
| 16 | 71.5 | 124,700 | 124,700 | 91,800 | 53,500 | 54,500 | 28,500 |
| 17 | 69.9 | 117,600 | 117,600 | 82,300 | 47,900 | 49,900 | 26,000 |
| 18 | 68.4 | 111,300 | 108,700 | 74,600 | 43,300 | 46,000 | 23,900 |
| 19 | 66.9 | 105,600 | 99,500 | 68,200 | 39,400 | 42,600 | 22,000 |
| 20 | 65.3 | 100,400 | 91,600 | 62,700 | 36,200 | 39,700 | 20,400 |
| 25 | 57.1 | 80,200 | 65,400 | 44,500 | 25,300 | 29,200 | 14,600 |
| 30 | 48.1 | 60,900 | 50,500 | 34,100 | 19,100 | 22,900 | 11,100 |
| 35 | 37.5 | 48,800 | 40,900 | 27,400 | 15,100 | 18,600 | 8,700 |
| 40 | 23.4 | 40,500 | 34,100 | 22,700 | 12,200 | 15,400 | 7,000 |

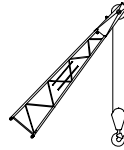
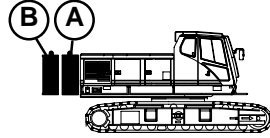
| MAIN BOOM CAPACITIES – 70 FT OPEN THROAT TUBE BOOM | | | | | | | |
|--|------------------|------------------|----------------------|-------------|-------------|-----------------------|-------------|
| Load Radius (ft) | Boom Angle (deg) | Over End Blocked | 360° Rotation | | | | |
| | | | Side Frames Extended | | | Side Frames Retracted | |
| | | | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) |
| 14 | 81.2 | 129,700 | 129,700 | 119,600 | 70,600 | 67,100 | 35,700 |
| 15 | 80.4 | 126,800 | 126,800 | 104,400 | 61,400 | 60,400 | 32,000 |
| 16 | 79.5 | 124,100 | 124,100 | 92,600 | 54,300 | 54,900 | 28,900 |
| 17 | 78.7 | 117,100 | 117,100 | 83,000 | 48,600 | 50,300 | 26,400 |
| 18 | 77.9 | 110,800 | 109,400 | 75,200 | 43,900 | 46,300 | 24,200 |
| 19 | 77.0 | 105,200 | 100,000 | 68,700 | 40,000 | 42,900 | 22,300 |
| 20 | 76.2 | 100,000 | 92,100 | 63,200 | 36,700 | 39,900 | 20,600 |
| 25 | 71.9 | 80,200 | 65,700 | 44,800 | 25,600 | 29,400 | 14,800 |
| 30 | 67.6 | 61,200 | 50,800 | 34,400 | 19,400 | 23,000 | 11,300 |
| 35 | 63.1 | 49,100 | 41,100 | 27,700 | 15,300 | 18,700 | 8,900 |
| 40 | 58.4 | 40,800 | 34,400 | 23,000 | 12,500 | 15,600 | 7,100 |
| 50 | 48.1 | 30,100 | 25,600 | 16,800 | 8,800 | 11,400 | 4,800 |
| 60 | 35.9 | 23,600 | 20,100 | 13,000 | 6,400 | 8,700 | 3,300 |
| 70 | 17.6 | 19,100 | 16,300 | 10,300 | 4,800 | 6,800 | 2,200 |

| 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) | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) |
| 11 | 81.1 | 159,900 | 159,900 | 157,300 | 123,900 | 99,000 | 53,100 |
| 12 | 80.0 | 159,900 | 159,900 | 145,100 | 98,900 | 85,500 | 45,700 |
| 13 | 78.8 | 151,700 | 151,700 | 134,600 | 82,100 | 75,100 | 40,000 |
| 14 | 77.6 | 141,500 | 141,500 | 119,100 | 70,000 | 66,900 | 35,500 |
| 15 | 76.4 | 132,500 | 132,500 | 104,000 | 61,000 | 60,300 | 31,800 |
| 16 | 75.3 | 124,600 | 124,600 | 92,200 | 53,900 | 54,800 | 28,800 |
| 17 | 74.1 | 117,500 | 117,500 | 82,700 | 48,300 | 50,200 | 26,200 |
| 18 | 72.9 | 111,200 | 109,100 | 75,000 | 43,600 | 46,200 | 24,100 |
| 19 | 71.7 | 105,500 | 99,800 | 68,500 | 39,800 | 42,800 | 22,200 |
| 20 | 70.5 | 100,300 | 91,900 | 63,000 | 36,500 | 39,900 | 20,600 |
| 25 | 64.3 | 80,200 | 65,600 | 44,700 | 25,500 | 29,400 | 14,800 |
| 30 | 57.7 | 61,100 | 50,700 | 34,300 | 19,300 | 23,000 | 11,300 |
| 35 | 50.6 | 49,000 | 41,100 | 27,600 | 15,300 | 18,700 | 8,900 |
| 40 | 42.7 | 40,700 | 34,400 | 22,900 | 12,400 | 15,600 | 7,200 |
| 50 | 20.9 | 30,000 | 25,500 | 16,800 | 8,700 | 11,400 | 4,800 |

| MAIN BOOM CAPACITIES – 80 FT OPEN THROAT TUBE BOOM | | | | | | | |
|--|------------------|------------------|----------------------|-------------|-------------|-----------------------|-------------|
| Load Radius (ft) | Boom Angle (deg) | Over End Blocked | 360° Rotation | | | | |
| | | | Side Frames Extended | | | Side Frames Retracted | |
| | | | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) |
| 15 | 81.6 | 116,800 | 116,800 | 104,500 | 61,600 | 60,400 | 32,000 |
| 16 | 80.9 | 114,600 | 114,600 | 92,700 | 54,400 | 54,900 | 28,900 |
| 17 | 80.1 | 111,400 | 111,400 | 83,100 | 48,700 | 50,300 | 26,300 |
| 18 | 79.4 | 109,300 | 109,300 | 75,300 | 44,000 | 46,300 | 24,100 |
| 19 | 78.7 | 104,900 | 100,100 | 68,800 | 40,100 | 42,900 | 22,200 |
| 20 | 77.9 | 99,800 | 92,200 | 63,300 | 36,700 | 39,900 | 20,600 |
| 25 | 74.2 | 80,000 | 65,700 | 44,800 | 25,600 | 29,400 | 14,700 |
| 30 | 70.5 | 61,200 | 50,700 | 34,400 | 19,300 | 22,900 | 11,200 |
| 35 | 66.6 | 49,000 | 41,100 | 27,600 | 15,300 | 18,600 | 8,800 |
| 40 | 62.7 | 40,700 | 34,300 | 22,900 | 12,400 | 15,500 | 7,100 |
| 50 | 54.3 | 30,100 | 25,500 | 16,800 | 8,700 | 11,300 | 4,700 |
| 60 | 44.8 | 23,500 | 20,000 | 12,900 | 6,400 | 8,600 | 3,200 |
| 70 | 33.5 | 19,100 | 16,300 | 10,300 | 4,800 | 6,700 | 2,100 |
| 80 | 16.5 | 15,900 | 13,500 | 8,300 | 3,600 | 5,300 | — |

| 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) | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) |
| 12 | 81.6 | 149,600 | 149,600 | 144,800 | 99,300 | 85,600 | 45,900 |
| 13 | 80.7 | 146,400 | 146,400 | 134,400 | 82,500 | 75,300 | 40,100 |
| 14 | 79.7 | 141,200 | 141,200 | 119,400 | 70,400 | 67,000 | 35,600 |
| 15 | 78.7 | 132,300 | 132,300 | 104,200 | 61,300 | 60,400 | 31,900 |
| 16 | 77.8 | 124,400 | 124,400 | 92,400 | 54,200 | 54,900 | 28,900 |
| 17 | 76.8 | 117,400 | 117,400 | 82,900 | 48,500 | 50,300 | 26,300 |
| 18 | 75.8 | 111,100 | 109,300 | 75,100 | 43,800 | 46,300 | 24,200 |
| 19 | 74.8 | 105,400 | 99,900 | 68,700 | 39,900 | 42,900 | 22,300 |
| 20 | 73.8 | 100,200 | 92,100 | 63,200 | 36,600 | 39,900 | 20,600 |
| 25 | 68.8 | 80,200 | 65,700 | 44,800 | 25,600 | 29,400 | 14,800 |
| 30 | 63.6 | 61,200 | 50,800 | 34,400 | 19,400 | 23,000 | 11,300 |
| 35 | 58.1 | 49,100 | 41,100 | 27,700 | 15,300 | 18,700 | 8,900 |
| 40 | 52.3 | 40,800 | 34,400 | 23,000 | 12,500 | 15,600 | 7,200 |
| 50 | 38.9 | 30,100 | 25,600 | 16,800 | 8,800 | 11,400 | 4,800 |
| 60 | 19.0 | 23,600 | 20,100 | 13,000 | 6,400 | 8,700 | 3,300 |

| 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) | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) |
| 16 | 81.9 | 104,700 | 104,700 | 92,700 | 54,500 | 54,900 | 28,900 |
| 17 | 81.2 | 102,800 | 102,800 | 83,200 | 48,700 | 50,200 | 26,300 |
| 18 | 80.6 | 101,200 | 101,200 | 75,300 | 44,000 | 46,200 | 24,100 |
| 19 | 79.9 | 99,600 | 99,600 | 68,800 | 40,100 | 42,800 | 22,200 |
| 20 | 79.3 | 97,700 | 92,200 | 63,300 | 36,700 | 39,800 | 20,500 |
| 25 | 76.0 | 79,800 | 65,700 | 44,800 | 25,600 | 29,300 | 14,700 |
| 30 | 72.7 | 61,200 | 50,700 | 34,300 | 19,300 | 22,800 | 11,100 |
| 35 | 69.4 | 49,000 | 41,000 | 27,500 | 15,200 | 18,500 | 8,700 |
| 40 | 65.9 | 40,700 | 34,200 | 22,800 | 12,300 | 15,400 | 6,900 |
| 50 | 58.7 | 30,000 | 25,400 | 16,700 | 8,600 | 11,200 | 4,600 |
| 60 | 50.9 | 23,500 | 19,900 | 12,800 | 6,300 | 8,500 | 3,100 |
| 70 | 42.2 | 19,000 | 16,200 | 10,200 | 4,700 | 6,600 | 2,000 |
| 80 | 31.5 | 15,800 | 13,400 | 8,300 | 3,500 | 5,200 | — |
| 90 | 15.5 | 13,400 | 11,300 | 6,800 | 2,600 | 4,100 | — |



| MAIN BOOM CAPACITIES – 100 FT OPEN THROAT TUBE BOOM | | | | | | | | |
|---|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|------------|
| Load Radius (ft) | Boom Angle (deg) | Over End Blocked | 360° Rotation | | | | | PROHIBITED |
| | | | Side Frames Extended | | | Side Frames Retracted | | |
| | | | AB CTWT (lb) | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb) | |
| 18 | 81.5 | 93,400 | 93,400 | 75,300 | 44,000 | 46,200 | | |
| 19 | 81.0 | 92,000 | 92,000 | 68,800 | 40,000 | 42,700 | | |
| 20 | 80.4 | 89,400 | 89,400 | 63,200 | 36,700 | 39,700 | | |
| 25 | 77.5 | 79,600 | 65,600 | 44,700 | 25,500 | 29,200 | | |
| 30 | 74.5 | 61,100 | 50,600 | 34,200 | 19,200 | 22,700 | | |
| 35 | 71.5 | 48,900 | 40,900 | 27,400 | 15,100 | 18,400 | | |
| 40 | 68.5 | 40,600 | 34,100 | 22,700 | 12,200 | 15,300 | | |
| 50 | 62.1 | 29,900 | 25,300 | 16,600 | 8,500 | 11,100 | | |
| 60 | 55.4 | 23,400 | 19,800 | 12,700 | 6,200 | 8,400 | | |
| 70 | 48.2 | 18,900 | 16,100 | 10,100 | 4,600 | 6,500 | | |
| 80 | 39.9 | 15,700 | 13,300 | 8,100 | 3,400 | 5,100 | | |
| 90 | 29.9 | 13,300 | 11,200 | 6,700 | 2,500 | 4,000 | | |
| 100 | 14.7 | 11,400 | 9,500 | 5,500 | — | 3,100 | | |

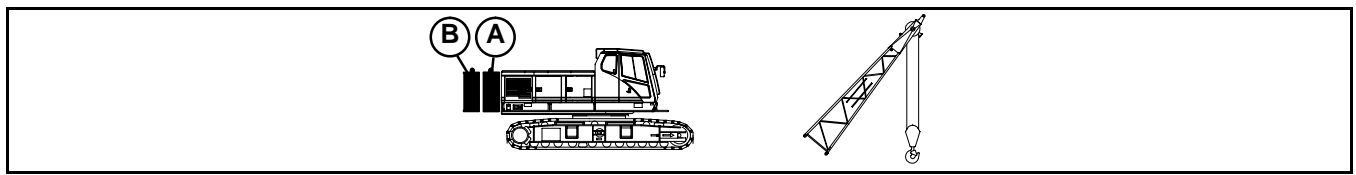
| MAIN BOOM CAPACITIES – 130 FT OPEN THROAT TUBE BOOM | | | | | | | | | |
|---|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|------------|------------|
| Load Radius (ft) | Boom Angle (deg) | Over End Blocked | 360° Rotation | | | | | PROHIBITED | PROHIBITED |
| | | | Side Frames Extended | | | Side Frames Retracted | | | |
| | | | AB CTWT (lb) | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb) | | |
| 25 | 80.4 | 65,100 | 65,100 | 44,500 | — | — | 28,800 | | |
| 30 | 78.1 | 60,900 | 50,300 | 33,900 | — | — | 22,300 | | |
| 35 | 75.9 | 48,600 | 40,600 | 27,100 | — | — | 18,000 | | |
| 40 | 73.6 | 40,200 | 33,800 | 22,300 | — | — | 14,800 | | |
| 50 | 68.9 | 29,500 | 24,900 | 16,200 | — | — | 10,600 | | |
| 60 | 64.1 | 23,000 | 19,400 | 12,300 | — | — | 7,900 | | |
| 70 | 59.1 | 18,500 | 15,600 | 9,600 | — | — | 6,000 | | |
| 80 | 53.8 | 15,300 | 12,900 | 7,700 | — | — | 4,700 | | |
| 90 | 48.2 | 12,900 | 10,800 | 6,300 | — | — | 3,600 | | |
| 100 | 41.9 | 11,000 | 9,200 | 5,100 | — | — | 2,700 | | |
| 110 | 34.8 | 9,500 | 7,800 | 4,200 | — | — | 2,000 | | |
| 120 | 26.1 | 8,200 | 6,700 | 3,400 | — | — | — | | |
| 130 | 12.9 | 7,100 | 5,800 | 2,700 | — | — | — | | |

| MAIN BOOM CAPACITIES – 110 FT OPEN THROAT TUBE BOOM | | | | | | | | |
|---|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|------------|
| Load Radius (ft) | Boom Angle (deg) | Over End Blocked | 360° Rotation | | | | | PROHIBITED |
| | | | Side Frames Extended | | | Side Frames Retracted | | |
| | | | AB CTWT (lb) | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb) | |
| 25 | 78.6 | 77,100 | 65,500 | 44,600 | 25,400 | 29,000 | | |
| 30 | 75.9 | 61,000 | 50,500 | 34,100 | 19,100 | 22,600 | | |
| 35 | 73.2 | 48,800 | 40,800 | 27,300 | 15,000 | 18,200 | | |
| 40 | 70.5 | 40,500 | 34,000 | 22,600 | 12,100 | 15,100 | | |
| 50 | 64.9 | 29,800 | 25,200 | 16,400 | 8,400 | 10,900 | | |
| 60 | 59.0 | 23,200 | 19,700 | 12,600 | 6,000 | 8,200 | | |
| 70 | 52.7 | 18,800 | 15,900 | 9,900 | 4,400 | 6,400 | | |
| 80 | 45.8 | 15,600 | 13,200 | 8,000 | 3,300 | 5,000 | | |
| 90 | 38.0 | 13,200 | 11,100 | 6,500 | 2,400 | 3,900 | | |
| 100 | 28.4 | 11,300 | 9,400 | 5,400 | — | 3,000 | | |
| 110 | 14.0 | 9,700 | 8,100 | 4,400 | — | 2,300 | | |

| MAIN BOOM CAPACITIES – 140 FT OPEN THROAT TUBE BOOM | | | | | | | | | |
|---|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|------------|------------|
| Load Radius (ft) | Boom Angle (deg) | Over End Blocked | 360° Rotation | | | | | PROHIBITED | PROHIBITED |
| | | | Side Frames Extended | | | Side Frames Retracted | | | |
| | | | AB CTWT (lb) | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb) | | |
| 25 | 81.1 | 60,000 | 60,000 | 44,400 | — | — | 28,700 | | |
| 30 | 79.0 | 56,700 | 50,200 | 33,800 | — | — | 22,200 | | |
| 35 | 76.9 | 48,500 | 40,400 | 27,000 | — | — | 17,800 | | |
| 40 | 74.8 | 40,100 | 33,600 | 22,200 | — | — | 14,700 | | |
| 50 | 70.5 | 29,400 | 24,800 | 16,000 | — | — | 10,500 | | |
| 60 | 66.1 | 22,800 | 19,200 | 12,100 | — | — | 7,800 | | |
| 70 | 61.5 | 18,400 | 15,500 | 9,500 | — | — | 5,900 | | |
| 80 | 56.8 | 15,200 | 12,700 | 7,600 | — | — | 4,500 | | |
| 90 | 51.7 | 12,700 | 10,600 | 6,100 | — | — | 3,400 | | |
| 100 | 46.3 | 10,800 | 9,000 | 4,900 | — | — | 2,600 | | |
| 110 | 40.3 | 9,300 | 7,700 | 4,000 | — | — | — | | |
| 120 | 33.5 | 8,000 | 6,600 | 3,200 | — | — | — | | |
| 130 | 25.2 | 7,000 | 5,600 | 2,600 | — | — | — | | |
| 140 | 12.4 | 6,100 | 4,800 | 2,000 | — | — | — | | |

| MAIN BOOM CAPACITIES – 120 FT OPEN THROAT TUBE BOOM | | | | | | | | |
|---|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|------------|
| Load Radius (ft) | Boom Angle (deg) | Over End Blocked | 360° Rotation | | | | | PROHIBITED |
| | | | Side Frames Extended | | | Side Frames Retracted | | |
| | | | AB CTWT (lb) | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb) | |
| 25 | 79.6 | 71,600 | 65,500 | 44,600 | 25,400 | 28,900 | | |
| 30 | 77.1 | 61,000 | 50,400 | 34,000 | 19,000 | 22,500 | | |
| 35 | 74.7 | 48,700 | 40,700 | 27,200 | 14,900 | 18,100 | | |
| 40 | 72.2 | 40,400 | 33,900 | 22,500 | 12,000 | 15,000 | | |
| 50 | 67.1 | 29,700 | 25,100 | 16,300 | 8,200 | 10,800 | | |
| 60 | 61.8 | 23,100 | 19,500 | 12,400 | 5,900 | 8,100 | | |
| 70 | 56.2 | 18,700 | 15,800 | 9,800 | 4,300 | 6,200 | | |
| 80 | 50.3 | 15,500 | 13,000 | 7,900 | 3,100 | 4,800 | | |
| 90 | 43.7 | 13,000 | 10,900 | 6,400 | 2,200 | 3,700 | | |
| 100 | 36.3 | 11,100 | 9,300 | 5,200 | — | 2,900 | | |
| 110 | 27.2 | 9,600 | 8,000 | 4,300 | — | 2,200 | | |
| 120 | 13.4 | 8,300 | 6,800 | 3,500 | — | — | | |

| MAIN BOOM CAPACITIES – 150 FT OPEN THROAT TUBE BOOM | | | | | | | | |
|---|------------------|------------------|----------------------|--------------|-------------|-----------------------|-------------|------------|
| Load Radius (ft) | Boom Angle (deg) | Over End Blocked | 360° Rotation | | | | | PROHIBITED |
| | | | Side Frames Extended | | | Side Frames Retracted | | |
| | | | AB CTWT (lb) | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb) | |
| 25 | 81.7 | 55,100 | 55,100 | 44,300 | — | — | | |
| 30 | 79.7 | 52,200 | 50,000 | 33,700 | — | — | | |
| 35 | 77.8 | 48,400 | 40,300 | 26,800 | — | — | | |
| 40 | 75.8 | 40,000 | 33,500 | 22,100 | — | — | | |
| 50 | 71.9 | 29,200 | 24,600 | 15,900 | — | — | | |
| 60 | 67.8 | 22,700 | 19,100 | 12,000 | — | — | | |
| 70 | 63.6 | 18,200 | 15,300 | 9,300 | — | — | | |
| 80 | 59.2 | 15,000 | 12,600 | 7,400 | — | — | | |
| 90 | 54.7 | 12,600 | 10,500 | 5,900 | — | — | | |
| 100 | 49.9 | 10,700 | 8,800 | 4,800 | — | — | | |
| 110 | 44.6 | 9,100 | 7,500 | 3,800 | — | — | | |
| 120 | 38.9 | 7,900 | 6,400 | 3,100 | — | — | | |
| 130 | 32.4 | 6,800 | 5,500 | 2,400 | — | — | | |
| 140 | 24.3 | 5,900 | 4,700 | — | — | — | | |
| 150 | 12.0 | 5,100 | 4,000 | — | — | — | | |



| MAIN BOOM CAPACITIES 160 FT OPEN THROAT TUBE BOOM | | | | | | | |
|---|------------------|------------------|----------------------|--------------|-------------------|-----------------------|-------------|
| Load Radius (ft) | Boom Angle (deg) | Over End Blocked | 360° Rotation | | | | |
| | | | Side Frames Extended | | | Side Frames Retracted | |
| | | | AB CTWT (lb) | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb) |
| 30 | 80.4 | 47,900 | 47,900 | 33,500 | PROHIBITED | | |
| 35 | 78.6 | 44,000 | 40,200 | 26,700 | | | |
| 40 | 76.7 | 39,900 | 33,300 | 21,900 | | | |
| 50 | 73.0 | 29,100 | 24,500 | 15,700 | | | |
| 60 | 69.2 | 22,500 | 18,900 | 11,800 | | | |
| 70 | 65.4 | 18,000 | 15,100 | 9,200 | | | |
| 80 | 61.3 | 14,800 | 12,400 | 7,200 | | | |
| 90 | 57.2 | 12,400 | 10,300 | 5,800 | | | |
| 100 | 52.8 | 10,500 | 8,700 | 4,600 | | | |
| 110 | 48.2 | 9,000 | 7,300 | 3,700 | | | |
| 120 | 43.2 | 7,700 | 6,200 | 2,900 | | | |
| 130 | 37.6 | 6,700 | 5,300 | 2,200 | | | |
| 140 | 31.3 | 5,800 | 4,500 | — | | | |
| 150 | 23.5 | 5,000 | 3,800 | — | | | |
| 160 | 11.6 | 4,300 | 3,200 | — | | | |

| MAIN BOOM CAPACITIES – 190 FT OPEN THROAT TUBE BOOM | | | | | | | |
|---|------------------|------------------|----------------------|-------------------|-------------|-----------------------|-------------|
| Load Radius (ft) | Boom Angle (deg) | Over End Blocked | 360° Rotation | | | | |
| | | | Side Frames Extended | | | Side Frames Retracted | |
| | | | AB CTWT (lb) | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb) |
| 30 | 81.9 | 32,900 | 32,900 | PROHIBITED | | | |
| 35 | 80.4 | 32,500 | 32,500 | | | | |
| 40 | 78.9 | 30,700 | 30,700 | | | | |
| 50 | 75.8 | 25,700 | 24,000 | | | | |
| 60 | 72.6 | 19,600 | 18,400 | | | | |
| 70 | 69.4 | 16,200 | 14,600 | | | | |
| 80 | 66.2 | 13,300 | 11,900 | | | | |
| 90 | 62.8 | 11,000 | 9,800 | | | | |
| 100 | 59.4 | 9,100 | 8,100 | | | | |
| 110 | 55.8 | 7,500 | 6,800 | | | | |
| 120 | 52.1 | 6,100 | 5,700 | | | | |
| 130 | 48.2 | 5,000 | 4,800 | | | | |
| 140 | 44.0 | 4,000 | 4,000 | | | | |
| 150 | 39.4 | 3,100 | 3,100 | | | | |
| 160 | 34.4 | 2,100 | 2,100 | | | | |

| MAIN BOOM CAPACITIES – 170 FT OPEN THROAT TUBE BOOM | | | | | | | |
|---|------------------|------------------|----------------------|--------------|-------------------|-----------------------|-------------|
| Load Radius (ft) | Boom Angle (deg) | Over End Blocked | 360° Rotation | | | | |
| | | | Side Frames Extended | | | Side Frames Retracted | |
| | | | AB CTWT (lb) | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb) |
| 30 | 81.0 | 42,400 | 42,400 | 33,400 | PROHIBITED | | |
| 35 | 79.2 | 40,300 | 40,000 | 26,600 | | | |
| 40 | 77.5 | 37,000 | 33,200 | 21,800 | | | |
| 50 | 74.0 | 28,900 | 24,300 | 15,500 | | | |
| 60 | 70.5 | 22,300 | 18,800 | 11,700 | | | |
| 70 | 66.9 | 17,900 | 15,000 | 9,000 | | | |
| 80 | 63.2 | 14,700 | 12,200 | 7,100 | | | |
| 90 | 59.3 | 12,200 | 10,100 | 5,600 | | | |
| 100 | 55.3 | 10,300 | 8,500 | 4,400 | | | |
| 110 | 51.1 | 8,800 | 7,200 | 3,500 | | | |
| 120 | 46.6 | 7,500 | 6,100 | 2,700 | | | |
| 130 | 41.8 | 6,500 | 5,100 | 2,100 | | | |
| 140 | 36.5 | 5,600 | 4,400 | — | | | |
| 150 | 30.3 | 4,800 | 3,700 | — | | | |
| 160 | 22.8 | 4,100 | 3,100 | — | | | |
| 170 | 11.3 | 3,500 | 2,500 | — | | | |

| MAIN BOOM CAPACITIES – 200 FT OPEN THROAT TUBE BOOM | | | | | | | |
|---|------------------|------------------|----------------------|-------------------|-------------|-----------------------|-------------|
| Load Radius (ft) | Boom Angle (deg) | Over End Blocked | 360° Rotation | | | | |
| | | | Side Frames Extended | | | Side Frames Retracted | |
| | | | AB CTWT (lb) | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb) |
| 35 | 80.9 | 28,600 | 28,600 | PROHIBITED | | | |
| 40 | 79.4 | 27,200 | 27,200 | | | | |
| 50 | 76.5 | 21,500 | 21,500 | | | | |
| 60 | 73.5 | 17,500 | 17,500 | | | | |
| 70 | 70.5 | 14,200 | 14,200 | | | | |
| 80 | 67.4 | 11,700 | 11,700 | | | | |
| 90 | 64.3 | 9,500 | 9,500 | | | | |
| 100 | 61.1 | 7,700 | 7,700 | | | | |
| 110 | 57.8 | 6,200 | 6,200 | | | | |
| 120 | 54.3 | 5,000 | 5,000 | | | | |
| 130 | 50.7 | 3,900 | 3,900 | | | | |
| 140 | 46.9 | 2,800 | 2,800 | | | | |

| MAIN BOOM CAPACITIES – 180 FT OPEN THROAT TUBE BOOM | | | | | | | |
|---|------------------|------------------|----------------------|-------------------|-------------|-----------------------|-------------|
| Load Radius (ft) | Boom Angle (deg) | Over End Blocked | 360° Rotation | | | | |
| | | | Side Frames Extended | | | Side Frames Retracted | |
| | | | AB CTWT (lb) | AB CTWT (lb) | A CTWT (lb) | 0 CTWT (lb) | A CTWT (lb) |
| 30 | 81.5 | 37,500 | 37,500 | PROHIBITED | | | |
| 35 | 79.9 | 36,800 | 36,800 | | | | |
| 40 | 78.2 | 33,900 | 33,000 | | | | |
| 50 | 75.0 | 28,100 | 24,100 | | | | |
| 60 | 71.6 | 21,900 | 18,600 | | | | |
| 70 | 68.2 | 17,700 | 14,800 | | | | |
| 80 | 64.8 | 14,500 | 12,000 | | | | |
| 90 | 61.2 | 12,100 | 10,000 | | | | |
| 100 | 57.5 | 10,200 | 8,300 | | | | |
| 110 | 53.6 | 8,600 | 7,000 | | | | |
| 120 | 49.6 | 7,400 | 5,900 | | | | |
| 130 | 45.3 | 6,100 | 5,000 | | | | |
| 140 | 40.6 | 5,000 | 4,200 | | | | |
| 150 | 35.4 | 4,100 | 3,500 | | | | |
| 160 | 29.5 | 3,300 | 2,900 | | | | |
| 170 | 22.1 | 2,500 | 2,400 | | | | |

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Jib Capacities

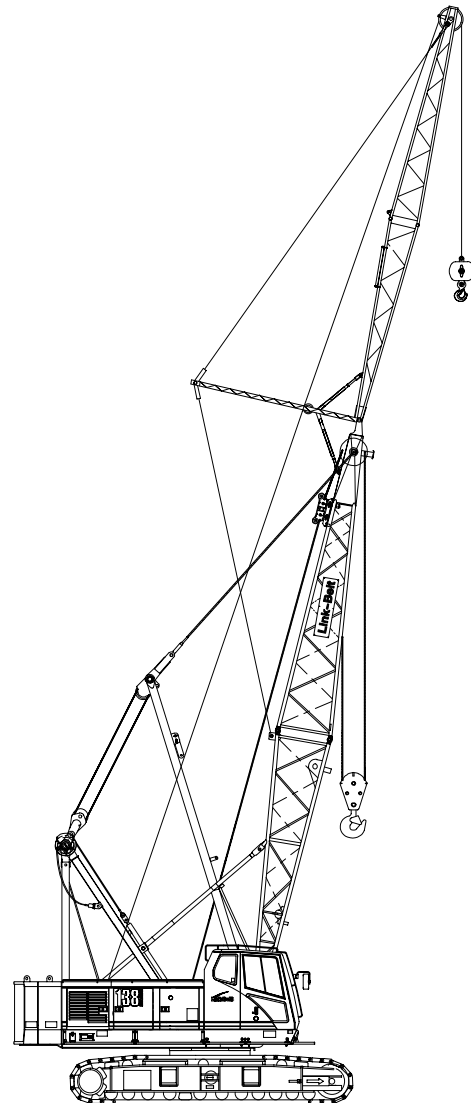
Lattice Boom Crawler Crane

138 HYLAB 5

80-ton (72.6 metric ton)

Tube Boom + Jib

- 40'–190' (12.19 – 57.91 m) Tube Boom
- 54" (1.37 m) wide x 44" (1.12 m) Deep Boom
- 30' – 60' (9.14 – 18.28 m) of Jib
- 20' (6.10 m) Open Throat Top Section
- 24' (7.31 m) Live Mast
- Extended Side Frames
- Over End Blocked Capacities
- "AB" Counterweight
- 20' – 2" (6.15 m) Crawler Length



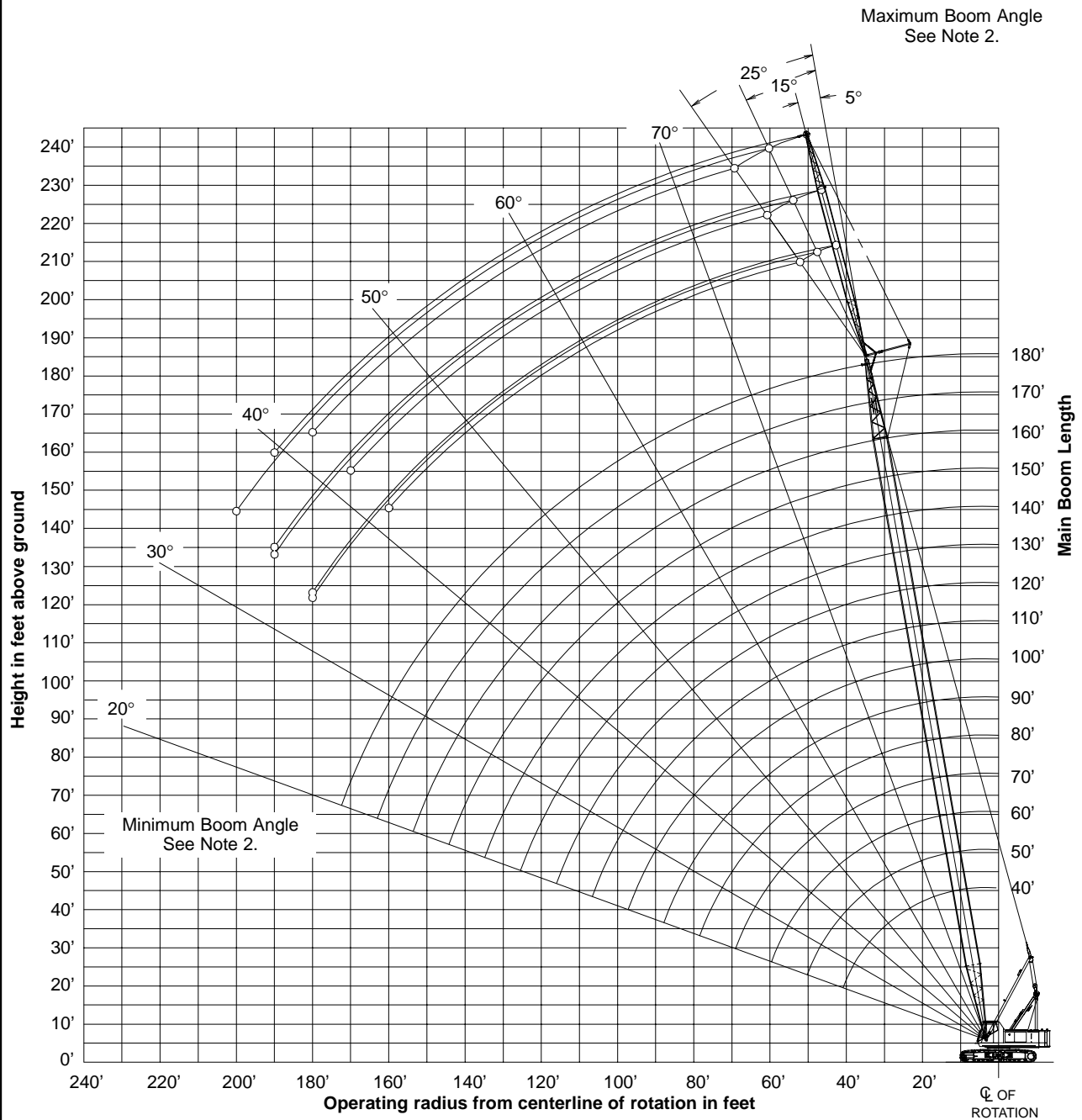
CAUTION: This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual to determine allowable crane lifting capacities and operating procedures.

TUBULAR JIB NOTES FOR OPEN THROAT BOOM

1. Capacities are for a 138 HYLAB 5 crawler crane with "AB" (50,500 lb) 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 of the Crane Rating Manual. 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 side frame sprockets/idlers to prevent rocking.
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 44" x 54" Tube boom with an open throat and a LBCE 12 ton, 24" x 32" cross section jib with a 11'6" high jib mast properly assembled.
6. Two parts of 7/8" Diameter Type "DB" or Type "RB" wire rope are required for maximum lift.
7. Capacities are for 30', 45', and 60' jib lengths only.
8. A jib cannot be used on open throat boom lengths longer than 190'. Maximum boom plus jib combination is 180' + 60' or 190' + 30'. The only jib length available on the 190' open throat boom length is 30'. Midpoint pendants must be used with 190' + 30' combination.
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. Those capacities followed by 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, load weighing devices, etc.

WORKING RANGE DIAGRAM

40' TO 180' MAIN BOOM WITH 30' TO 60' JIB



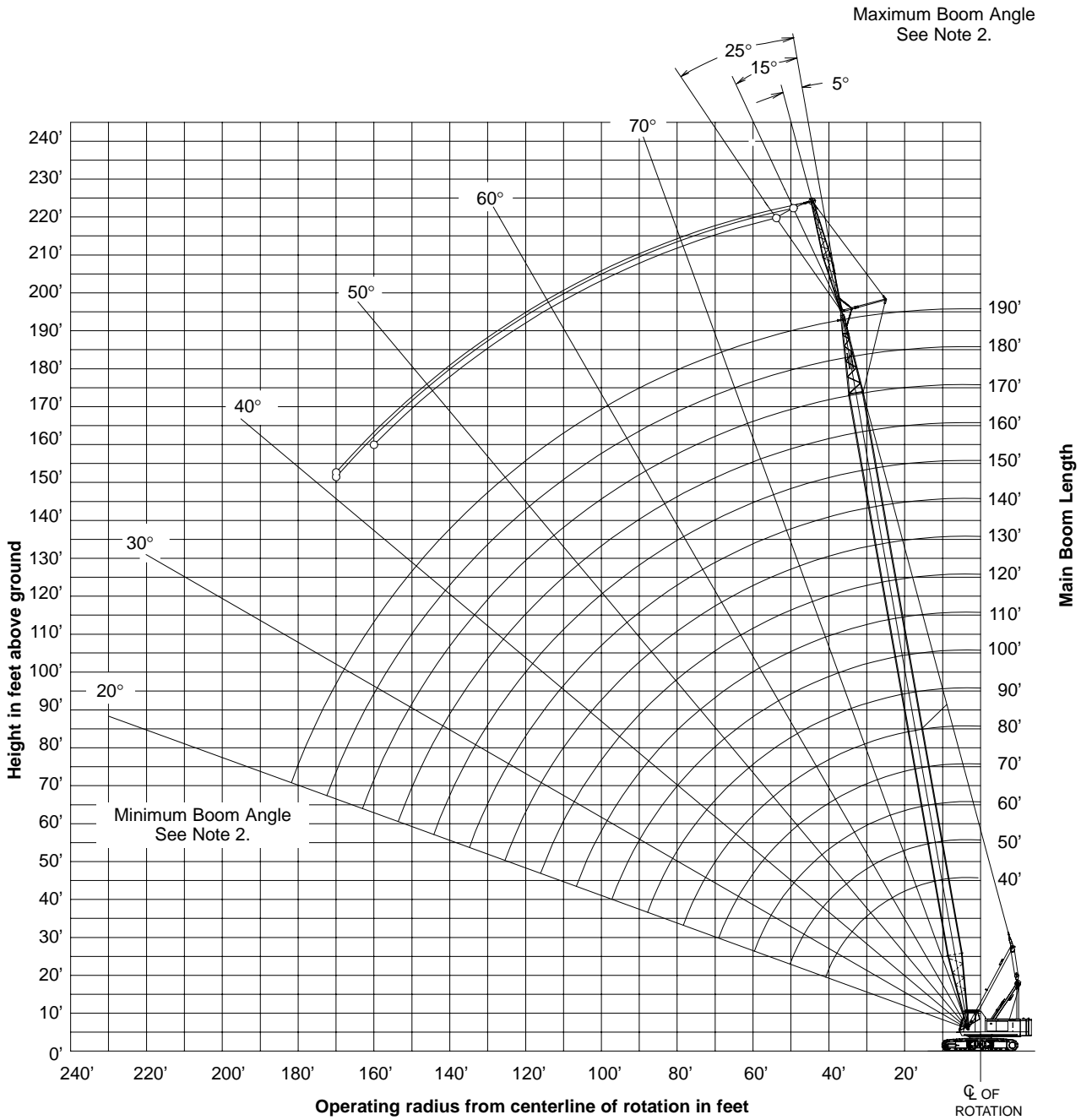
Notes:

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

WORKING RANGE DIAGRAM

190' MAIN BOOM WITH 30' 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

138 HYLAB 5 - w/ 44" x 54" Tube 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 crane.

| Boom Length (ft) | Jib Length (ft) | Jib Load Radius (ft) | Jib Angle to Boom | | | | | | | | | | | | Jib Load Radius (ft) | | | | |
|------------------|-----------------|----------------------|-------------------|-----------------------|----------------------------|------------------------|------------------|-----------------------|----------------------------|------------------------|------------------|------------------------|-----------------------|----------------------------|----------------------|--------|---|--------|---|
| | | | 5 Degrees | | | 15 Degrees | | | 25 Degrees | | | 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) | Boom Angle (deg) | | Jib Point Height (ft) | Over End Jib Capacity (lb) | | | | | |
| 50 | 30 | 40 | 65.3 | 79.3 | 24,000 | 24,000 | * | 68.7 | 78.9 | 23,000 | 23,000 | * | 71.9 | 77.4 | 17,400 | 17,400 | * | 17,400 | * |
| 50 | 30 | 50 | 57.2 | 73.4 | 23,800 | 23,700 | * | 60.5 | 72.9 | 19,000 | 19,000 | * | 63.6 | 71.4 | 15,700 | 15,700 | * | 15,700 | * |
| 50 | 30 | 60 | 48.2 | 65.3 | 19,700 | 19,700 | * | 51.4 | 64.7 | 17,400 | 17,400 | * | 54.2 | 62.9 | 14,100 | 14,100 | * | 14,100 | * |
| 50 | 30 | 70 | 37.5 | 53.8 | 17,400 | 16,600 | * | 40.6 | 53.1 | 15,800 | 15,800 | * | | | | | | | |
| 50 | 45 | 25 | 79.4 | 100.2 | 24,000 | 24,000 | * | | | | | | | | | | | | |
| 50 | 45 | 30 | 76.4 | 98.9 | 24,000 | 24,000 | * | | | | | | | | | | | | |
| 50 | 45 | 35 | 73.3 | 97.3 | 23,600 | 23,600 | * | 77.7 | 96.6 | 17,800 | 17,800 | * | | | | | | | |
| 50 | 45 | 40 | 70.1 | 95.3 | 20,800 | 20,800 | * | 74.6 | 94.7 | 17,300 | 17,300 | * | 78.8 | 92.9 | 13,000 | 13,000 | * | 13,000 | * |
| 50 | 45 | 50 | 63.6 | 90.5 | 17,300 | 17,300 | * | 68.0 | 89.8 | 14,600 | 14,600 | * | 72.1 | 87.9 | 11,100 | 11,100 | * | 11,100 | * |
| 50 | 45 | 60 | 56.6 | 84.1 | 15,200 | 15,200 | * | 60.9 | 83.4 | 12,400 | 12,400 | * | 64.9 | 81.3 | 9,700 | 9,700 | * | 9,700 | * |
| 50 | 45 | 70 | 48.9 | 75.7 | 12,900 | 13,000 | * | 53.2 | 75.0 | 10,800 | 10,800 | * | 56.9 | 72.6 | 8,700 | 8,700 | * | 8,700 | * |
| 50 | 45 | 80 | 40.2 | 64.6 | 11,300 | 11,300 | * | 44.2 | 63.7 | 9,700 | 9,700 | * | | | | | | | |
| 50 | 45 | 90 | 29.1 | 48.7 | 10,000 | 10,000 | * | | | | | | | | | | | | |
| 50 | 60 | 30 | 78.9 | 114.5 | 22,600 | 22,600 | * | | | | | | | | | | | | |
| 50 | 60 | 35 | 76.2 | 113.1 | 19,500 | 19,500 | * | | | | | | | | | | | | |
| 50 | 60 | 40 | 73.6 | 111.5 | 17,200 | 17,200 | * | 78.8 | 110.8 | 14,400 | 14,400 | * | | | | | | | |
| 50 | 60 | 50 | 68.1 | 107.4 | 15,000 | 15,000 | * | 73.2 | 106.8 | 11,800 | 11,800 | * | 78.1 | 104.6 | 8,900 | 8,900 | * | 8,900 | * |
| 50 | 60 | 60 | 62.3 | 102.2 | 12,400 | 12,400 | * | 67.4 | 101.5 | 10,000 | 10,000 | * | 72.2 | 99.2 | 7,700 | 7,700 | * | 7,700 | * |
| 50 | 60 | 70 | 56.2 | 95.5 | 10,500 | 10,500 | * | 61.2 | 94.8 | 8,600 | 8,600 | * | 65.9 | 92.3 | 6,800 | 6,800 | * | 6,800 | * |
| 50 | 60 | 80 | 49.5 | 87.1 | 9,100 | 9,100 | * | 54.4 | 86.3 | 7,600 | 7,600 | * | 59.0 | 83.6 | 6,100 | 6,100 | * | 6,100 | * |
| 50 | 60 | 90 | 42.0 | 76.3 | 8,000 | 8,000 | * | 46.8 | 75.5 | 6,800 | 6,800 | * | 51.1 | 72.3 | 5,600 | 5,600 | * | 5,600 | * |
| 50 | 60 | 100 | 33.1 | 61.9 | 7,200 | 7,200 | * | 37.7 | 60.8 | 6,200 | 6,200 | * | | | | | | | |
| 60 | 30 | 25 | 78.0 | 95.4 | 24,000 | 24,000 | * | | | | | | | | | | | | |
| 60 | 30 | 30 | 74.8 | 94.0 | 24,000 | 24,000 | * | 77.9 | 93.5 | 24,000 | 24,000 | * | 77.5 | 90.4 | 19,500 | 19,500 | * | 19,500 | * |
| 60 | 30 | 35 | 71.5 | 92.4 | 24,000 | 24,000 | * | 74.6 | 91.9 | 24,000 | 24,000 | * | 74.1 | 88.4 | 18,000 | 18,000 | * | 18,000 | * |
| 60 | 30 | 40 | 68.2 | 90.4 | 24,000 | 24,000 | * | 71.2 | 89.9 | 24,000 | 24,000 | * | 66.9 | 83.2 | 16,400 | 16,400 | * | 16,400 | * |
| 60 | 30 | 50 | 61.2 | 85.3 | 24,000 | 24,000 | * | 64.2 | 84.8 | 20,500 | 20,500 | * | 59.2 | 76.2 | 14,800 | 14,800 | * | 14,800 | * |
| 60 | 30 | 60 | 53.6 | 78.5 | 21,900 | 20,100 | * | 56.6 | 77.9 | 17,700 | 17,700 | * | 50.5 | 66.8 | 13,600 | 13,600 | * | 13,600 | * |
| 60 | 30 | 70 | 45.3 | 69.4 | 18,700 | 16,400 | * | 48.1 | 68.8 | 17,200 | 17,200 | * | | | | | | | |

138 HYLAB 5 - w/ 44" x 54" Tube 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 crane.

| Boom Length (ft) | Jib Length (ft) | Jib Load Radius (ft) | Jib Angle to Boom | | | | | | | | | | | | Jib Load Radius (ft) |
|------------------|-----------------|----------------------|-------------------|-----------------------|----------------------------|------------------------|------------------|-----------------------|----------------------------|------------------------|------------------|-----------------------|----------------------------|------------------------|----------------------|
| | | | 5 Degree | | | 15 Degree | | | 25 Degree | | | 360° | | | |
| | | | 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 | 45 | 30 | 78.7 | 119.6 | 24,000 * | 24,000 * | 79.9 | 117.5 | 19,300 * | 19,300 * | 75.5 | 109.9 | 12,000 * | 12,000 * | 30 |
| 70 | 45 | 35 | 76.2 | 118.3 | 24,000 * | 24,000 * | 77.3 | 115.9 | 17,500 * | 17,500 * | 69.9 | 104.8 | 10,600 * | 10,600 * | 35 |
| 70 | 45 | 40 | 73.7 | 116.7 | 24,000 * | 24,000 * | 72.1 | 112.0 | 16,400 * | 16,400 * | 64.0 | 98.3 | 9,600 * | 9,600 * | 40 |
| 70 | 45 | 50 | 68.4 | 112.8 | 19,500 * | 19,500 * | 60.7 | 107.0 | 14,100 * | 14,100 * | 57.5 | 90.2 | 8,800 * | 8,800 * | 50 |
| 70 | 45 | 60 | 63.0 | 107.8 | 17,300 * | 17,300 * | 54.5 | 100.7 | 12,300 * | 12,300 * | 50.4 | 80.0 | 8,100 * | 8,100 * | 60 |
| 70 | 45 | 70 | 57.2 | 101.5 | 15,400 * | 15,400 * | 47.5 | 92.8 | 11,000 * | 11,000 * | 39.5 | 80.0 | 8,100 * | 8,100 * | 70 |
| 70 | 45 | 80 | 51.0 | 93.6 | 13,500 * | 13,400 * | 39.5 | 82.8 | 10,000 * | 10,000 * | 31.8 | 80.0 | 8,100 * | 8,100 * | 80 |
| 70 | 45 | 90 | 44.2 | 83.8 | 11,900 * | 11,600 * | 31.8 | 76.2 | 9,200 * | 9,200 * | 24.9 | 80.0 | 8,100 * | 8,100 * | 90 |
| 70 | 45 | 100 | 36.3 | 71.0 | 10,800 * | 10,000 * | 24.9 | 76.2 | 9,200 * | 9,200 * | 18.8 | 80.0 | 8,100 * | 8,100 * | 100 |
| 70 | 60 | 35 | 78.4 | 133.9 | 21,900 * | 21,900 * | 75.9 | 128.3 | 12,900 * | 12,900 * | 75.3 | 121.5 | 8,200 * | 8,200 * | 35 |
| 70 | 60 | 40 | 76.1 | 132.5 | 19,400 * | 19,400 * | 71.2 | 124.0 | 11,100 * | 11,100 * | 70.2 | 116.0 | 7,300 * | 7,300 * | 40 |
| 70 | 60 | 50 | 71.6 | 129.1 | 17,300 * | 17,300 * | 66.2 | 118.6 | 9,700 * | 9,700 * | 64.9 | 109.3 | 6,600 * | 6,600 * | 50 |
| 70 | 60 | 60 | 66.8 | 124.8 | 14,300 * | 14,300 * | 61.0 | 112.1 | 8,600 * | 8,600 * | 59.1 | 101.0 | 6,100 * | 6,100 * | 60 |
| 70 | 60 | 70 | 61.9 | 119.5 | 12,200 * | 12,200 * | 55.4 | 104.1 | 7,700 * | 7,700 * | 52.8 | 90.9 | 5,600 * | 5,600 * | 70 |
| 70 | 60 | 80 | 56.8 | 112.9 | 10,600 * | 10,600 * | 49.3 | 94.2 | 7,000 * | 7,000 * | 45.6 | 78.0 | 5,300 * | 5,300 * | 80 |
| 70 | 60 | 90 | 51.2 | 105.0 | 9,400 * | 9,400 * | 42.3 | 81.9 | 6,500 * | 6,500 * | 31.8 | 78.0 | 5,300 * | 5,300 * | 90 |
| 70 | 60 | 100 | 45.2 | 95.3 | 8,400 * | 8,400 * | 31.8 | 76.2 | 6,900 * | 6,900 * | 24.9 | 78.0 | 5,300 * | 5,300 * | 100 |
| 70 | 60 | 110 | 38.4 | 83.1 | 7,600 * | 7,600 * | 24.9 | 76.2 | 6,900 * | 6,900 * | 18.8 | 78.0 | 5,300 * | 5,300 * | 110 |
| 70 | 60 | 120 | 30.2 | 67.1 | 7,000 * | 6,900 * | 18.8 | 76.2 | 6,900 * | 6,900 * | 14.8 | 78.0 | 5,300 * | 5,300 * | 120 |
| 80 | 30 | 30 | 77.6 | 114.8 | 24,000 * | 24,000 * | 77.5 | 112.8 | 24,000 * | 24,000 * | 79.9 | 111.4 | 20,600 * | 20,600 * | 30 |
| 80 | 30 | 35 | 74.9 | 113.4 | 24,000 * | 24,000 * | 74.8 | 111.2 | 24,000 * | 24,000 * | 77.1 | 109.7 | 19,200 * | 19,200 * | 35 |
| 80 | 30 | 40 | 72.2 | 111.8 | 24,000 * | 24,000 * | 69.2 | 107.2 | 23,200 * | 23,200 * | 71.5 | 105.6 | 17,300 * | 17,300 * | 40 |
| 80 | 30 | 50 | 66.7 | 107.8 | 24,000 * | 24,000 * | 63.4 | 102.0 | 20,100 * | 20,100 * | 65.6 | 100.3 | 16,100 * | 16,100 * | 50 |
| 80 | 30 | 60 | 61.0 | 102.6 | 23,300 * | 19,700 * | 57.2 | 95.4 | 17,800 * | 17,800 * | 59.3 | 93.6 | 14,800 * | 14,800 * | 60 |
| 80 | 30 | 70 | 54.8 | 96.0 | 18,800 * | 16,000 * | 50.5 | 87.0 | 15,900 * | 16,300 * | 52.5 | 85.0 | 13,800 * | 14,800 * | 70 |
| 80 | 30 | 80 | 48.2 | 87.6 | 15,700 * | 13,300 * | 42.9 | 81.9 | 13,400 * | 13,400 * | 31.8 | 85.0 | 13,800 * | 13,800 * | 80 |
| 80 | 30 | 90 | 40.7 | 77.0 | 13,300 * | 11,200 * | 31.8 | 76.2 | 11,400 * | 11,300 * | 24.9 | 85.0 | 13,800 * | 13,800 * | 90 |
| 80 | 30 | 100 | 31.8 | 62.6 | 11,400 * | 9,500 * | 24.9 | 76.2 | 11,400 * | 11,300 * | 18.8 | 85.0 | 13,800 * | 13,800 * | 100 |

138 HYLAB 5 - w/ 44" x 54" Tube 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 crane.

| Boom Length (ft) | Jib Length (ft) | Jib Load Radius (ft) | Jib Angle to Boom | | | | | | | | | | | | Jib Load Radius (ft) |
|------------------|-----------------|----------------------|-------------------|-----------------------|----------------------------|------------------------|------------------|-----------------------|----------------------------|------------------------|------------------|------------------------|-----------------------|----------------------------|----------------------|
| | | | 5 Degrees | | | 15 Degrees | | | 25 Degrees | | | 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) | Boom Angle (deg) | | Jib Point Height (ft) | Over End Jib Capacity (lb) | |
| 100 | 30 | 80 | 55.6 | 113.4 | 15,300 | 12,900 | 57.7 | 112.8 | 15,500 | 13,100 | 59.4 | 110.9 | 14,800 | 13,300 | 80 |
| 100 | 30 | 90 | 50.1 | 105.6 | 12,900 | 10,800 | 52.1 | 104.9 | 13,100 | 11,000 | 53.8 | 102.8 | 13,200 | 11,100 | 90 |
| 100 | 30 | 100 | 44.1 | 95.9 | 11,000 | 9,100 | 46.0 | 95.1 | 11,100 | 9,300 | 47.6 | 92.8 | 11,200 | 9,400 | 100 |
| 100 | 30 | 110 | 37.3 | 83.8 | 9,500 | 7,800 | 39.1 | 82.8 | 9,500 | 7,900 | | | | | 110 |
| 100 | 30 | 120 | 29.1 | 67.8 | 8,200 | 6,700 | | | | | | | | | 120 |
| 100 | 45 | 35 | 79.1 | 149.2 | 24,000 | 24,000 | * | 24,000 | * | 24,000 | * | 79.1 | 149.2 | 24,000 | 35 |
| 100 | 45 | 40 | 77.1 | 148.0 | 24,000 | 24,000 | * | 24,000 | * | 24,000 | * | 77.1 | 148.0 | 24,000 | 40 |
| 100 | 45 | 50 | 73.0 | 144.9 | 22,900 | 22,900 | * | 22,900 | * | 22,900 | * | 73.0 | 144.9 | 22,900 | 50 |
| 100 | 45 | 60 | 68.9 | 141.1 | 19,700 | 19,500 | * | 19,500 | * | 19,500 | * | 68.9 | 141.1 | 19,500 | 60 |
| 100 | 45 | 70 | 64.6 | 136.4 | 17,100 | 15,900 | * | 15,900 | * | 15,900 | * | 64.6 | 136.4 | 17,100 | 70 |
| 100 | 45 | 80 | 60.1 | 130.8 | 15,600 | 13,100 | * | 13,100 | * | 13,100 | * | 60.1 | 130.8 | 15,600 | 80 |
| 100 | 45 | 90 | 55.4 | 124.0 | 13,100 | 11,000 | * | 11,000 | * | 11,000 | * | 55.4 | 124.0 | 13,100 | 90 |
| 100 | 45 | 100 | 50.4 | 116.0 | 11,200 | 9,300 | * | 9,300 | * | 9,300 | * | 50.4 | 116.0 | 11,200 | 100 |
| 100 | 45 | 110 | 45.0 | 106.3 | 9,700 | 8,000 | * | 8,000 | * | 8,000 | * | 45.0 | 106.3 | 9,700 | 110 |
| 100 | 45 | 120 | 39.0 | 94.6 | 8,400 | 6,900 | * | 6,900 | * | 6,900 | * | 39.0 | 94.6 | 8,400 | 120 |
| 100 | 45 | 130 | 32.1 | 79.7 | 7,300 | 6,000 | * | 6,000 | * | 6,000 | * | 32.1 | 79.7 | 7,300 | 130 |
| 100 | 60 | 40 | 78.8 | 163.5 | 22,300 | 22,300 | * | 22,300 | * | 22,300 | * | 78.8 | 163.5 | 22,300 | 40 |
| 100 | 60 | 50 | 75.1 | 160.8 | 18,300 | 18,300 | * | 18,300 | * | 18,300 | * | 75.1 | 160.8 | 18,300 | 50 |
| 100 | 60 | 60 | 71.4 | 157.4 | 17,100 | 17,100 | * | 17,100 | * | 17,100 | * | 71.4 | 157.4 | 17,100 | 60 |
| 100 | 60 | 70 | 67.5 | 153.2 | 14,700 | 14,700 | * | 14,700 | * | 14,700 | * | 67.5 | 153.2 | 14,700 | 70 |
| 100 | 60 | 80 | 63.6 | 148.2 | 12,800 | 12,800 | * | 12,800 | * | 12,800 | * | 63.6 | 148.2 | 12,800 | 80 |
| 100 | 60 | 90 | 59.5 | 142.4 | 11,300 | 11,100 | * | 11,100 | * | 11,100 | * | 59.5 | 142.4 | 11,300 | 90 |
| 100 | 60 | 100 | 55.2 | 135.4 | 10,200 | 9,500 | * | 9,500 | * | 9,500 | * | 55.2 | 135.4 | 10,200 | 100 |
| 100 | 60 | 110 | 50.7 | 127.3 | 9,200 | 8,100 | * | 8,100 | * | 8,100 | * | 50.7 | 127.3 | 9,200 | 110 |
| 100 | 60 | 120 | 45.8 | 117.8 | 8,400 | 7,000 | * | 7,000 | * | 7,000 | * | 45.8 | 117.8 | 8,400 | 120 |
| 100 | 60 | 130 | 40.4 | 106.3 | 7,500 | 6,100 | * | 6,100 | * | 6,100 | * | 40.4 | 106.3 | 7,500 | 130 |
| 100 | 60 | 140 | 34.3 | 92.3 | 6,600 | 5,300 | * | 5,300 | * | 5,300 | * | 34.3 | 92.3 | 6,600 | 140 |
| 100 | 60 | 150 | 27.0 | 74.1 | 5,800 | 4,600 | * | 4,600 | * | 4,600 | * | 27.0 | 74.1 | 5,800 | 150 |
| 110 | 30 | 35 | 78.2 | 144.4 | 24,000 | 24,000 | * | 24,000 | * | 24,000 | * | 78.2 | 144.4 | 24,000 | 35 |

138 HYLAB 5 - w/ 44" x 54" Tube 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 crane.

| Boom Length (ft) | Jib Length (ft) | Jib Load Radius (ft) | Jib Angle to Boom | | | | | | | | | | | | Jib Load Radius (ft) | |
|------------------|-----------------|----------------------|-------------------|-----------------------|----------------------------|------------------------|------------------|-----------------------|----------------------------|------------------------|------------------|------------------------|-----------------------|----------------------------|----------------------|-----|
| | | | 5 Degree | | | 15 Degrees | | | 25 Degrees | | | 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) | Boom Angle (deg) | | Jib Point Height (ft) | Over End Jib Capacity (lb) | | |
| 130 | 45 | 90 | 62.0 | 159.7 | 12,500 | 10,400 | 64.3 | 158.7 | 12,800 | 10,700 | 66.4 | 156.1 | 9,900 | 9,900 | * | 90 |
| 130 | 45 | 100 | 58.2 | 153.6 | 10,600 | 8,700 | 60.5 | 152.6 | 10,900 | 9,000 | 62.5 | 149.8 | 9,300 | 9,300 | * | 100 |
| 130 | 45 | 110 | 54.2 | 146.5 | 9,000 | 7,400 | 56.5 | 145.5 | 9,300 | 7,600 | 58.5 | 142.6 | 8,800 | 8,800 | * | 110 |
| 130 | 45 | 120 | 50.0 | 138.3 | 7,800 | 6,300 | 52.3 | 137.2 | 8,000 | 6,500 | 54.2 | 134.2 | 8,100 | 8,100 | * | 120 |
| 130 | 45 | 130 | 45.6 | 128.8 | 6,700 | 5,300 | 47.8 | 127.6 | 6,900 | 5,500 | 49.6 | 124.4 | 7,000 | 7,000 | * | 130 |
| 130 | 45 | 140 | 40.7 | 117.6 | 5,800 | 4,600 | 42.9 | 116.3 | 5,900 | 4,700 | | | | | | 140 |
| 130 | 45 | 150 | 35.3 | 104.2 | 5,000 | 3,900 | 37.4 | 102.7 | 5,100 | 4,000 | | | | | | 150 |
| 130 | 45 | 160 | 29.0 | 87.4 | 4,400 | 3,300 | | | | | | | | | | 160 |
| 130 | 60 | 50 | 77.5 | 191.9 | 19,200 | 19,200 | * | 188.0 | 13,500 | 13,600 | * | 181.6 | 8,500 | 8,500 | * | 50 |
| 130 | 60 | 60 | 74.4 | 189.1 | 17,200 | 17,200 | * | 184.5 | 12,100 | 12,100 | * | 177.5 | 7,800 | 7,800 | * | 60 |
| 130 | 60 | 70 | 71.2 | 185.7 | 15,500 | 15,400 | * | 180.5 | 10,900 | 10,900 | * | 172.6 | 7,300 | 7,300 | * | 70 |
| 130 | 60 | 80 | 68.0 | 181.6 | 13,800 | 12,600 | * | 175.7 | 9,900 | 9,900 | * | 167.0 | 6,800 | 6,800 | * | 80 |
| 130 | 60 | 90 | 64.7 | 176.9 | 12,500 | 10,500 | * | 170.2 | 9,100 | 9,100 | * | 160.6 | 6,400 | 6,400 | * | 90 |
| 130 | 60 | 100 | 61.3 | 171.4 | 10,700 | 8,800 | * | 163.9 | 8,400 | 8,400 | * | 153.2 | 6,000 | 6,000 | * | 100 |
| 130 | 60 | 110 | 57.8 | 165.1 | 9,200 | 7,500 | * | 156.7 | 7,900 | 7,900 | * | 144.7 | 5,700 | 5,700 | * | 110 |
| 130 | 60 | 120 | 54.1 | 157.9 | 7,900 | 6,400 | * | 148.4 | 7,100 | 7,100 | * | 134.9 | 5,500 | 5,500 | * | 120 |
| 130 | 60 | 130 | 50.3 | 149.7 | 6,800 | 5,500 | * | 138.8 | 6,100 | 6,100 | * | 123.4 | 5,300 | 5,300 | * | 130 |
| 130 | 60 | 140 | 46.2 | 140.2 | 5,900 | 4,700 | * | 127.7 | 5,300 | 4,200 | * | | | | | 140 |
| 130 | 60 | 150 | 41.8 | 129.2 | 5,200 | 4,000 | * | 114.6 | 4,600 | 3,500 | * | | | | | 150 |
| 130 | 60 | 160 | 36.9 | 116.3 | 4,500 | 3,400 | * | | | | * | | | | | 160 |
| 130 | 60 | 170 | 31.3 | 100.6 | 3,900 | 2,900 | * | | | | * | | | | | 170 |
| 140 | 30 | 40 | 78.6 | 174.0 | 24,000 | 24,000 | * | 170.9 | 24,000 | 24,000 | * | 169.2 | 19,600 | 19,600 | * | 40 |
| 140 | 30 | 50 | 75.1 | 171.5 | 24,000 | 24,000 | * | 167.7 | 21,900 | 18,900 | * | 166.0 | 18,000 | 18,000 | * | 50 |
| 140 | 30 | 60 | 71.6 | 168.4 | 22,100 | 18,500 | * | 163.9 | 18,000 | 15,200 | * | 162.1 | 17,200 | 17,200 | * | 60 |
| 140 | 30 | 70 | 68.1 | 164.5 | 17,600 | 14,900 | * | 159.3 | 14,800 | 12,400 | * | 157.5 | 15,100 | 15,100 | * | 70 |
| 140 | 30 | 80 | 64.4 | 159.9 | 14,600 | 12,100 | * | 153.9 | 12,300 | 10,200 | * | 152.0 | 12,600 | 12,600 | * | 80 |
| 140 | 30 | 90 | 60.6 | 154.5 | 12,100 | 10,000 | * | 147.5 | 10,400 | 8,500 | * | 145.6 | 10,600 | 10,600 | * | 90 |
| 140 | 30 | 100 | 56.7 | 148.2 | 10,200 | 8,300 | * | 140.2 | 8,800 | 7,200 | * | 138.1 | 9,000 | 9,000 | * | 100 |
| 140 | 30 | 110 | 52.6 | 140.9 | 8,700 | 7,000 | * | 131.6 | 7,500 | 6,000 | * | 129.4 | 7,600 | 7,600 | * | 110 |
| 140 | 30 | 120 | 48.2 | 132.4 | 7,400 | 5,900 | * | | | | * | | | | | 120 |

138 HYLAB 5 - w/ 44" x 54" Tube 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 crane.

| Boom Length (ft) | Jib Length (ft) | Jib Load Radius (ft) | Jib Angle to Boom | | | | | | | | | | | | Jib Load Radius (ft) | | | | | | |
|------------------|-----------------|----------------------|-------------------|-----------------------|----------------------------|------------------------|------------------|-----------------------|----------------------------|------------------------|------------------|-----------------------|----------------------------|------------------------|----------------------|--------|--------|--------|-------|-----|----|
| | | | 5 Degree | | | | 15 Degree | | | | 25 Degree | | | | | | | | | | |
| | | | 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 | 50 | 78.7 | 212.5 | 18,700 | 18,700 | 18,700 | * | 78.6 | 208.8 | 14,200 | 14,200 | 14,200 | * | 78.3 | 202.7 | 8,700 | 8,700 | 8,700 | * | 50 |
| 150 | 60 | 60 | 75.9 | 209.9 | 16,900 | 16,900 | 16,900 | * | 75.8 | 205.7 | 12,700 | 12,700 | 12,700 | * | 75.4 | 199.0 | 8,100 | 8,100 | 8,100 | * | 60 |
| 150 | 60 | 70 | 73.1 | 206.9 | 15,100 | 15,100 | * | 72.9 | 202.1 | 11,500 | 11,500 | 11,500 | * | 72.4 | 194.7 | 7,600 | 7,600 | 7,600 | * | 70 | |
| 150 | 60 | 80 | 70.2 | 203.2 | 13,500 | 13,500 | * | 69.9 | 197.8 | 10,600 | 10,600 | 10,600 | * | 69.3 | 189.8 | 7,100 | 7,100 | 7,100 | * | 80 | |
| 150 | 60 | 90 | 67.3 | 199.0 | 12,200 | 12,200 | * | 66.9 | 193.0 | 9,700 | 9,700 | 9,700 | * | 66.2 | 184.1 | 6,700 | 6,700 | 6,700 | * | 90 | |
| 150 | 60 | 100 | 64.3 | 194.2 | 10,300 | 10,300 | * | 63.8 | 187.5 | 9,000 | 9,000 | 9,000 | * | 62.9 | 177.7 | 6,300 | 6,300 | 6,300 | * | 100 | |
| 150 | 60 | 110 | 61.2 | 188.7 | 8,800 | 8,800 | * | 60.6 | 181.2 | 7,800 | 7,800 | 7,800 | * | 59.5 | 170.5 | 6,000 | 6,000 | 6,000 | * | 110 | |
| 150 | 60 | 120 | 58.0 | 182.5 | 7,500 | 7,500 | * | 57.3 | 174.1 | 6,700 | 6,700 | 6,700 | * | 55.9 | 162.3 | 5,700 | 5,700 | 5,700 | * | 120 | |
| 150 | 60 | 130 | 54.7 | 175.4 | 6,400 | 6,400 | * | 53.8 | 166.1 | 5,800 | 5,800 | 5,800 | * | 52.2 | 153.0 | 5,100 | 5,100 | 5,100 | * | 130 | |
| 150 | 60 | 140 | 51.3 | 167.4 | 5,500 | 5,500 | * | 50.1 | 157.0 | 4,900 | 4,900 | 4,900 | * | 48.2 | 142.3 | 4,400 | 4,400 | 4,400 | * | 140 | |
| 150 | 60 | 150 | 47.6 | 158.4 | 4,700 | 4,700 | * | 46.2 | 146.6 | 4,200 | 4,200 | 4,200 | * | 44.0 | 134.7 | 3,600 | 3,600 | 3,600 | * | 150 | |
| 150 | 60 | 160 | 43.8 | 148.1 | 4,100 | 4,100 | * | 41.9 | 134.7 | 3,600 | 3,600 | 3,600 | * | 40.0 | 126.6 | 3,100 | 3,100 | 3,100 | * | 160 | |
| 150 | 60 | 170 | 39.6 | 136.3 | 3,500 | 3,500 | * | 37.3 | 120.6 | 3,100 | 3,100 | 3,100 | * | 35.0 | 115.9 | 2,600 | 2,600 | 2,600 | * | 170 | |
| 150 | 60 | 180 | 35.0 | 122.4 | 2,900 | 2,900 | * | 34.0 | 105.7 | 2,500 | 2,500 | 2,500 | * | 32.0 | 101.4 | 2,000 | 2,000 | 2,000 | * | 180 | |
| 150 | 60 | 190 | 29.7 | 105.7 | 2,500 | 2,500 | * | 30.6 | 88.7 | 2,000 | 2,000 | 2,000 | * | 28.0 | 84.0 | 1,600 | 1,600 | 1,600 | * | 190 | |
| 160 | 30 | 40 | 79.8 | 194.4 | 24,000 | 24,000 | * | 78.2 | 191.5 | 22,600 | 22,600 | 22,600 | * | 79.6 | 189.9 | 20,000 | 20,000 | 20,000 | * | 40 | |
| 160 | 30 | 50 | 76.7 | 192.2 | 24,000 | 24,000 | * | 75.1 | 188.8 | 20,400 | 20,400 | 20,400 | * | 76.4 | 187.1 | 18,500 | 18,500 | 18,500 | * | 50 | |
| 160 | 30 | 60 | 73.6 | 189.4 | 21,700 | 21,700 | * | 71.9 | 185.4 | 17,600 | 17,600 | 17,600 | * | 73.3 | 183.6 | 16,900 | 16,900 | 16,900 | * | 60 | |
| 160 | 30 | 70 | 70.5 | 186.0 | 17,200 | 17,200 | * | 68.7 | 181.3 | 14,500 | 14,500 | 14,500 | * | 70.0 | 179.5 | 14,800 | 14,800 | 14,800 | * | 70 | |
| 160 | 30 | 80 | 67.2 | 182.0 | 14,200 | 14,200 | * | 65.4 | 176.6 | 12,000 | 12,000 | 12,000 | * | 66.7 | 174.8 | 12,200 | 12,200 | 12,200 | * | 80 | |
| 160 | 30 | 90 | 64.0 | 177.3 | 11,700 | 11,700 | * | 62.0 | 171.2 | 10,000 | 10,000 | 10,000 | * | 63.2 | 169.3 | 10,200 | 10,200 | 10,200 | * | 90 | |
| 160 | 30 | 100 | 60.6 | 171.9 | 9,800 | 9,800 | * | 58.4 | 164.9 | 8,400 | 8,400 | 8,400 | * | 59.6 | 162.9 | 8,600 | 8,600 | 8,600 | * | 100 | |
| 160 | 30 | 110 | 57.0 | 165.6 | 8,200 | 8,200 | * | 54.7 | 157.7 | 7,100 | 7,100 | 7,100 | * | 55.9 | 155.6 | 7,300 | 7,300 | 7,300 | * | 110 | |
| 160 | 30 | 120 | 53.4 | 158.5 | 7,000 | 7,000 | * | 50.9 | 149.5 | 6,100 | 6,100 | 6,100 | * | 52.0 | 147.3 | 6,200 | 6,200 | 6,200 | * | 120 | |
| 160 | 30 | 130 | 49.5 | 150.3 | 5,900 | 5,900 | * | 46.7 | 140.0 | 5,100 | 5,100 | 5,100 | * | 47.8 | 137.6 | 5,200 | 5,200 | 5,200 | * | 130 | |
| 160 | 30 | 140 | 45.4 | 140.8 | 5,000 | 5,000 | * | 42.3 | 129.0 | 4,400 | 4,400 | 4,400 | * | 40.0 | 126.6 | 3,900 | 3,900 | 3,900 | * | 140 | |
| 160 | 30 | 150 | 41.0 | 129.9 | 4,300 | 4,300 | * | 37.4 | 115.9 | 3,700 | 3,700 | 3,700 | * | 35.0 | 112.4 | 3,200 | 3,200 | 3,200 | * | 150 | |
| 160 | 30 | 160 | 36.1 | 117.0 | 3,600 | 3,600 | * | 34.0 | 105.7 | 3,000 | 3,000 | 3,000 | * | 32.0 | 101.4 | 2,600 | 2,600 | 2,600 | * | 160 | |
| 160 | 30 | 170 | 30.6 | 101.4 | 3,000 | 3,000 | * | 28.0 | 84.0 | 2,000 | 2,000 | 2,000 | * | 26.0 | 81.4 | 1,600 | 1,600 | 1,600 | * | 170 | |
| 160 | 45 | 50 | 78.0 | 207.3 | 20,800 | 20,800 | * | 78.0 | 207.3 | 20,800 | 20,800 | 20,800 | * | 78.0 | 207.3 | 20,800 | 20,800 | 20,800 | * | 50 | |

138 HYLAB 5 - w/ 44" x 54" Tube 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 crane.

| Boom Length (ft) | Jib Length (ft) | Jib Load Radius (ft) | Jib Angle to Boom | | | | | | | | | | | | Jib Load Radius (ft) | | | | | |
|------------------|-----------------|----------------------|-------------------|-----------------------|----------------------------|------------------------|------------------|-----------------------|----------------------------|------------------------|------------------|------------------------|-----------------------|----------------------------|----------------------|-------|--------|--------|---|-----|
| | | | 5 Degrees | | | 15 Degrees | | | 25 Degrees | | | 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) | Boom Angle (deg) | | Jib Point Height (ft) | Over End Jib Capacity (lb) | | | | | | |
| 170 | 60 | 60 | 77.1 | 230.6 | 14,900 | 14,900 | * | 14,900 | * | 79.6 | 229.4 | 12,800 | 12,800 | * | 79.4 | 223.5 | 9,000 | 9,000 | * | 60 |
| 170 | 60 | 70 | 74.6 | 227.8 | 14,200 | 14,200 | * | 14,200 | * | 77.1 | 226.6 | 12,400 | 12,400 | * | 77.1 | 226.6 | 12,400 | 12,400 | * | 70 |
| 170 | 60 | 80 | 72.0 | 224.6 | 12,900 | 11,900 | * | 11,900 | * | 74.4 | 223.3 | 11,500 | 11,500 | * | 76.7 | 220.2 | 8,400 | 8,400 | * | 80 |
| 170 | 60 | 90 | 69.4 | 220.8 | 11,800 | 9,700 | * | 9,700 | * | 71.8 | 219.6 | 10,600 | 10,300 | * | 74.0 | 216.4 | 7,800 | 7,800 | * | 90 |
| 170 | 60 | 100 | 66.7 | 216.4 | 9,900 | 8,000 | * | 8,000 | * | 69.1 | 215.2 | 9,800 | 8,500 | * | 71.3 | 211.9 | 7,400 | 7,400 | * | 100 |
| 170 | 60 | 110 | 63.9 | 211.5 | 8,300 | 6,700 | * | 6,700 | * | 66.3 | 210.3 | 8,800 | 7,100 | * | 68.5 | 206.9 | 6,900 | 7,000 | * | 110 |
| 170 | 60 | 120 | 61.1 | 206.0 | 7,100 | 5,600 | * | 5,600 | * | 63.5 | 204.8 | 7,400 | 5,900 | * | 65.6 | 201.3 | 6,600 | 6,300 | * | 120 |
| 170 | 60 | 130 | 58.2 | 199.8 | 6,000 | 4,600 | * | 4,600 | * | 60.5 | 198.5 | 6,300 | 4,900 | * | 62.6 | 195.0 | 6,300 | 5,200 | * | 130 |
| 170 | 60 | 140 | 55.2 | 192.9 | 5,100 | 3,800 | * | 3,800 | * | 57.5 | 191.6 | 5,400 | 4,100 | * | 59.5 | 187.9 | 5,600 | 4,400 | * | 140 |
| 170 | 60 | 150 | 52.1 | 185.1 | 4,300 | 3,100 | * | 3,100 | * | 54.4 | 183.8 | 4,600 | 3,400 | * | 56.3 | 179.9 | 4,800 | 3,600 | * | 150 |
| 170 | 60 | 160 | 48.8 | 176.5 | 3,600 | 2,500 | * | 2,500 | * | 51.1 | 175.0 | 3,900 | 2,800 | * | 53.0 | 171.0 | 4,100 | 3,000 | * | 160 |
| 170 | 60 | 170 | 45.4 | 166.7 | 3,000 | 2,000 | * | 2,000 | * | 47.6 | 165.2 | 3,200 | 2,200 | * | 49.4 | 160.9 | 3,400 | 2,400 | * | 170 |
| 170 | 60 | 180 | 41.7 | 155.7 | 2,500 | 1,600 | * | 1,600 | * | 43.9 | 154.0 | 2,700 | 1,700 | * | 45.6 | 149.4 | 2,800 | 1,900 | * | 180 |
| 170 | 60 | 190 | 37.7 | 143.0 | 2,100 | 1,200 | * | 1,200 | * | 39.8 | 141.2 | 2,200 | 1,700 | * | | | | | * | 190 |
| 170 | 60 | 200 | 33.3 | 128.3 | 1,600 | 1,000 | * | 1,000 | * | 35.4 | 126.3 | 1,800 | 1,800 | * | | | | | * | 200 |
| 180 | 30 | 50 | 78.0 | 212.8 | 19,100 | 19,100 | * | 19,100 | * | 79.3 | 212.1 | 18,000 | 18,000 | * | 77.8 | 207.9 | 14,600 | 14,600 | * | 50 |
| 180 | 30 | 60 | 75.2 | 210.2 | 18,200 | 17,700 | * | 17,700 | * | 76.5 | 209.6 | 17,100 | 17,100 | * | 74.9 | 204.8 | 14,000 | 14,000 | * | 60 |
| 180 | 30 | 70 | 72.4 | 207.2 | 16,500 | 14,100 | * | 14,100 | * | 73.7 | 206.5 | 15,500 | 14,500 | * | 72.0 | 201.2 | 13,400 | 12,000 | * | 70 |
| 180 | 30 | 80 | 69.5 | 203.6 | 13,800 | 11,300 | * | 11,300 | * | 70.8 | 202.9 | 14,100 | 11,700 | * | 69.1 | 196.9 | 11,900 | 9,700 | * | 80 |
| 180 | 30 | 90 | 66.6 | 199.4 | 11,300 | 9,200 | * | 9,200 | * | 67.9 | 198.8 | 11,600 | 9,500 | * | 66.0 | 192.1 | 9,900 | 8,000 | * | 90 |
| 180 | 30 | 100 | 63.6 | 194.6 | 9,400 | 7,500 | * | 7,500 | * | 64.9 | 194.0 | 9,600 | 7,800 | * | 62.9 | 186.5 | 8,300 | 6,600 | * | 100 |
| 180 | 30 | 110 | 60.5 | 189.2 | 7,800 | 6,200 | * | 6,200 | * | 61.8 | 188.5 | 8,100 | 6,400 | * | 59.7 | 180.2 | 6,900 | 5,400 | * | 110 |
| 180 | 30 | 120 | 57.3 | 183.0 | 6,600 | 5,100 | * | 5,100 | * | 58.6 | 182.3 | 6,800 | 5,300 | * | 56.3 | 173.1 | 5,800 | 4,500 | * | 120 |
| 180 | 30 | 130 | 54.0 | 176.0 | 5,500 | 4,100 | * | 4,100 | * | 55.3 | 175.2 | 5,700 | 4,300 | * | 52.8 | 165.1 | 4,900 | 3,600 | * | 130 |
| 180 | 30 | 140 | 50.6 | 168.0 | 4,600 | 3,400 | * | 3,400 | * | 51.8 | 167.3 | 4,800 | 3,500 | * | 49.1 | 155.9 | 4,100 | 2,900 | * | 140 |
| 180 | 30 | 150 | 47.0 | 159.1 | 3,800 | 2,700 | * | 2,700 | * | 48.1 | 158.2 | 4,000 | 2,800 | * | 45.1 | 145.4 | 3,400 | 2,300 | * | 150 |
| 180 | 30 | 160 | 43.1 | 148.8 | 3,200 | 2,100 | * | 2,100 | * | 44.3 | 147.9 | 3,300 | 2,200 | * | | | | | * | 160 |
| 180 | 30 | 170 | 38.9 | 137.0 | 2,600 | 1,600 | * | 1,600 | * | 40.0 | 136.0 | 2,700 | 1,700 | * | | | | | * | 170 |
| 180 | 30 | 180 | 34.3 | 123.2 | 2,100 | 1,200 | * | 1,200 | * | 35.4 | 122.1 | 2,100 | 2,100 | * | | | | | * | 180 |
| 180 | 45 | 50 | 79.1 | 227.8 | 16,000 | 16,000 | * | 16,000 | * | 79.1 | 227.8 | 16,000 | 16,000 | * | | | | | * | 50 |

138 HYLAB 5 - w/ 44" x 54" Tube 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 crane.

| Boom Length (ft) | Jib Length (ft) | Jib Load Radius (ft) | Jib Angle to Boom | | | | | | | | | | | | Jib Load Radius (ft) |
|------------------|-----------------|----------------------|-------------------|-----------------------|----------------------------|------------------------|------------------|-----------------------|----------------------------|------------------------|------------------|-----------------------|----------------------------|------------------------|----------------------|
| | | | 5 Degrees | | | 15 Degrees | | | 25 Degrees | | | 360° | | | |
| | | | 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) | |
| 190 | 30 | 50 | 78.5 | 223.0 | 16,100 * | 16,100 * | 79.8 | 222.3 | 15,200 * | 15,200 * | 78.4 | 218.2 | 13,100 * | 13,100 * | 50 |
| 190 | 30 | 60 | 75.9 | 220.6 | 15,300 * | 15,300 * | 77.2 | 219.9 | 14,500 * | 14,500 * | 75.6 | 215.3 | 12,500 * | 12,500 * | 60 |
| 190 | 30 | 70 | 73.2 | 217.7 | 14,600 * | 13,900 | 74.5 | 217.0 | 13,800 * | 13,800 * | 72.9 | 211.9 | 12,000 * | 11,800 | 70 |
| 190 | 30 | 80 | 70.5 | 214.3 | 13,600 | 11,100 | 71.7 | 213.6 | 13,100 * | 11,500 | 70.1 | 207.9 | 11,400 * | 9,600 | 80 |
| 190 | 30 | 90 | 67.7 | 210.3 | 11,100 | 9,000 | 68.9 | 209.7 | 11,400 | 9,300 | 67.2 | 203.3 | 9,700 | 7,800 | 90 |
| 190 | 30 | 100 | 64.9 | 205.8 | 9,200 | 7,300 | 66.1 | 205.1 | 9,500 | 7,600 | 64.3 | 198.0 | 8,100 | 6,400 | 100 |
| 190 | 30 | 110 | 62.0 | 200.7 | 7,600 | 6,000 | 63.2 | 200.0 | 7,900 | 6,200 | 61.2 | 192.1 | 6,800 | 5,200 | 110 |
| 190 | 30 | 120 | 59.0 | 194.8 | 6,400 | 4,900 | 60.2 | 194.1 | 6,600 | 5,100 | 58.1 | 185.5 | 5,600 | 4,300 | 120 |
| 190 | 30 | 130 | 55.9 | 188.3 | 5,300 | 3,900 | 57.1 | 187.5 | 5,500 | 4,100 | 54.8 | 178.0 | 4,700 | 3,400 | 130 |
| 190 | 30 | 140 | 52.7 | 180.9 | 4,400 | 3,100 | 53.9 | 180.1 | 4,600 | 3,300 | 51.4 | 169.6 | 3,900 | 2,700 | 140 |
| 190 | 30 | 150 | 49.3 | 172.6 | 3,600 | 2,500 | 50.5 | 171.8 | 3,800 | 2,600 | 47.8 | 160.0 | 3,200 | 2,100 | 150 |
| 190 | 30 | 160 | 45.8 | 163.3 | 2,800 * | 1,900 | 46.9 | 162.4 | 3,100 | 2,000 | 43.1 | 151.7 | 2,000 * | 1,500 | 160 |
| 190 | 30 | 170 | 42.0 | 152.6 | 1,500 * | 1,500 * | 43.1 | 151.7 | 2,000 * | 1,500 | | | | | 170 |

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