

Preliminary

Hydraulic Crawler Crane

CK

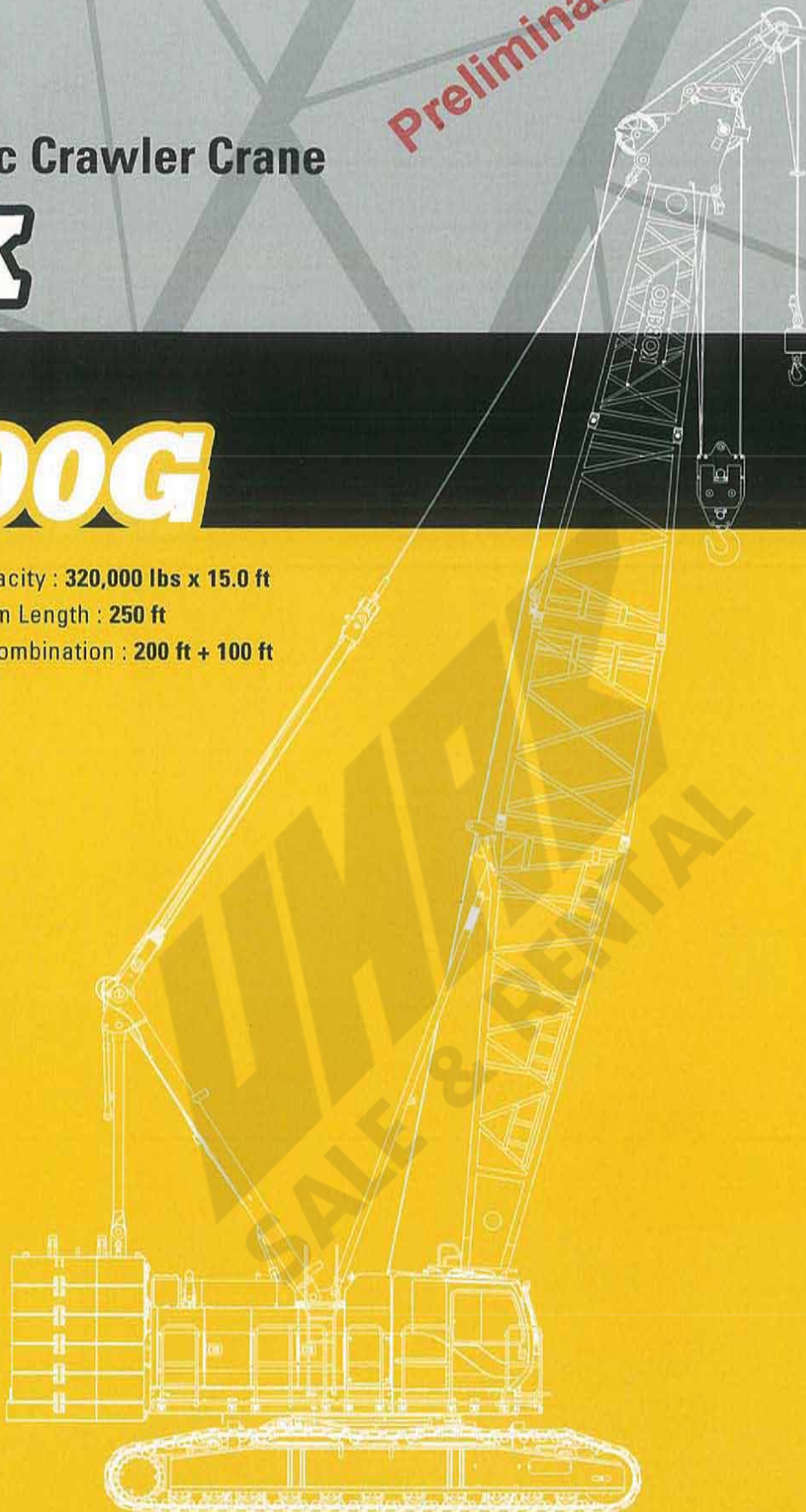
1600G

Model : CK1600G

Max. Lifting Capacity : 320,000 lbs x 15.0 ft

Max. Crane Boom Length : 250 ft

Max. Fixed Jib Combination : 200 ft + 100 ft



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SPECIFICATIONS



Power Plant

Model: HINO P11C-VC

Type: 4 cycle, water-cooled, vertical in-line 6, direct injection, turbo-charger, intercooler

Complies with US EPA Tier Interim Tier IV and NRMM (Europe) Stage IIIB

Displacement: 642 cu in (10.520 liters)

Rated Power: 363 HP/1,850 rpm (271 kW/1,850 min⁻¹)

Max. torque: 1,084 lbf-ft/1,400 rpm (1,469 N·m/1,400 min⁻¹)

Cooling system: Water-cooled

Starter: 24V-6kW

Radiator: Corrugated type core, thermostatically controlled

Air cleaner: Dry type with replaceable paper element

Throttle: Twist grip type hand throttle, electrically actuated

Fuel filter: Replaceable paper element

Batteries: Two 12V x 136 Ah/5HR capacity batteries, series connected

Fuel tank capacity: 106 US gal. (400 liters)



Hydraulic System

Main pumps: 3 variable displacement piston pumps

Control: Full-flow hydraulic control system for infinitely variable pressure to all winches, propel and swing. Controls respond instantly to the touch, delivering smooth function operation.

Cooling: Oil-to-air heat exchanger (plate-fin type)

Filtration: Full-flow and bypass type with replaceable element

Electrical system: All wiring corded for easy servicing, individual fused branch circuits.

Max. relief valve pressure:

Load hoist, boom hoist and propel system:

4,626 psi (31.9 MPa)

Swing system: 3,989 psi (27.5 MPa)

Control system: 783 psi (5.4 MPa)

Hydraulic tank capacity: 141.3 US gal. (535 liters)



Boom Hoisting System

Powered by a hydraulic motor through a planetary reducer.

Brake: A spring-set, hydraulically released multiple-disc brake is mounted on the boom hoist motor and operated through a counter-balance valve.

Drum lock: External ratchet for locking drum

Drum: Single drum, grooved for 25/32 inch (20 mm) dia. wire rope

Line speed: Single line on first drum layer

Hoisting/Lowering: 175 to 6.6 ft/min (48 to 2 m/min)

Diameter of wire rope

Main winch: 1-1/32 in. x 902 ft. (26 mm x 275 m)

Aux. winch: 1-1/32 in. x 837 ft. (26 mm x 255 m)

Third winch: 1-1/32 in. x 787 ft. (26 mm x 240 m)

Boom hoisting/lowering: 25/32 in. x 623 ft (20 mm x 190 m)

Boom guy line: 1-3/16 in. (30 mm)

Boom backstops: Required for all boom length



Load Hoist System

Front and rear drums for load hoist powered by a hydraulic variable plunger motors, driven through planetary reducers.

Negative brake: A spring-set, hydraulically released multiple-disc brake is mounted on the hoist motor and operated through a counter-balance valve. (Positive free fall brake is optional)

Drum lock: External ratchet for locking drum

Drums:

Front drums:

2ft 2-3/16 inch (666 mm) P.C.D x 2 ft 2-15/32 inch (672 m)

Lg., grooved for 1-1/32 inch (26 mm) wire rope. Rope capacity is 902 ft (275 m) working length and 1,148 ft (350 m) storage length.

Rear drums:

2 ft 2-3/16 inch (666 mm) P.C.D x 2 ft 2-15/32 inch (672 m)

Lg., grooved for 1-1/32 inch (26 mm) wire rope. Rope capacity is 837 ft (255 m) working length and 1,148 ft (350m) storage length.

Line speed: Single line on the first layer

Hoisting/Lowering: 394 to 10 ft

Line pull:

Max. line pull (Single line): 52,500 lbs (233 kN)

Rated line pull: 29,500 lbs (132 kN)



Swing System

Swing unit is powered by hydraulic motor driving spur gears through planetary reducers (2 set), the swing system provides 360° rotation.

Swing parking brakes: A spring-set, hydraulically released multiple-disc brake is mounted on swing motor.

Swing circle: Single-row ball bearing with an integral internally cut swing gear.

Swing lock: Manually, four position lock for transportation

Swing speed: 2.1 rpm (min⁻¹)



Upper Structure

Torsion-free precision machined upper frame. All components are located clearly and service friendly. Engine will with low noise level.

Counter weight: 121,300 lbs



Cab & Control

Totally enclosed, full vision cab with safety glass, fully adjustable, high backed seat with a headrest and armrests, and intermittent wiper and window washer (skylight and front window).

Cab fittings:

Air conditioner, convenient compartment (for tool), cup holder, ashtray, cigarette lighter, sun visor, roof blind, tinted glass, floor mat, footrest, shoe tray, and foot acceleration pedal.

Controls:

Four adjustable levers for front drum, rear drum, boom drum and swing controls.

**Lower Structure**

Steel-welded carbody with axles. Crawler assemblies are designed with quick disconnect feature for individual removal as a unit from axles. Crawler belt tension is maintained by hydraulic jack force on the track adjusting bearing block.

Carbodyweight: 23,810 lbs

Crawler drive: Independent hydraulic propel drive is built into each crawler side frame. Each drive consists of a hydraulic motor propelling a driving tumbler through a planetary gear box. Hydraulic motor and gear box are built into the crawler side frame within the shoe width.

Crawler brakes: Spring-set, hydraulically released parking brakes are built into each propel drive.

Steering mechanism: A hydraulic propel system provides both skid steering (driving one track only) and counter-rotating steering (driving each track in opposite directions).

Track rollers: Sealed track rollers for maintenance-free operation.

Shoe (flat): 4 ft wide each crawler

Max. gradeability: 30%

**Weight**

Including upper and lower machine, 121,300 lbs counterweight and 23,810 lbs carbody weight, basic boom (or basic boom + basic jib), hook, and other accessories.

Weight: 304,200 lbs (136 t)

Ground pressure: 11.7 psi (106 kPa)

**Attachment****Boom and Jib:**

Welded lattice construction using tubular, high-tensile steel chords with pin connections between sections.

Boom and Jib Length

| | Min. Length (Min. Combination) | Max. Length (Max. Combination) |
|------------|-----------------------------------|-----------------------------------|
| Crane Boom | 50 ft | 250 ft |
| Fixed Jib | 90 ft + 40 ft | 200 ft + 100 ft |

Main Specifications (Model: CK1600G)

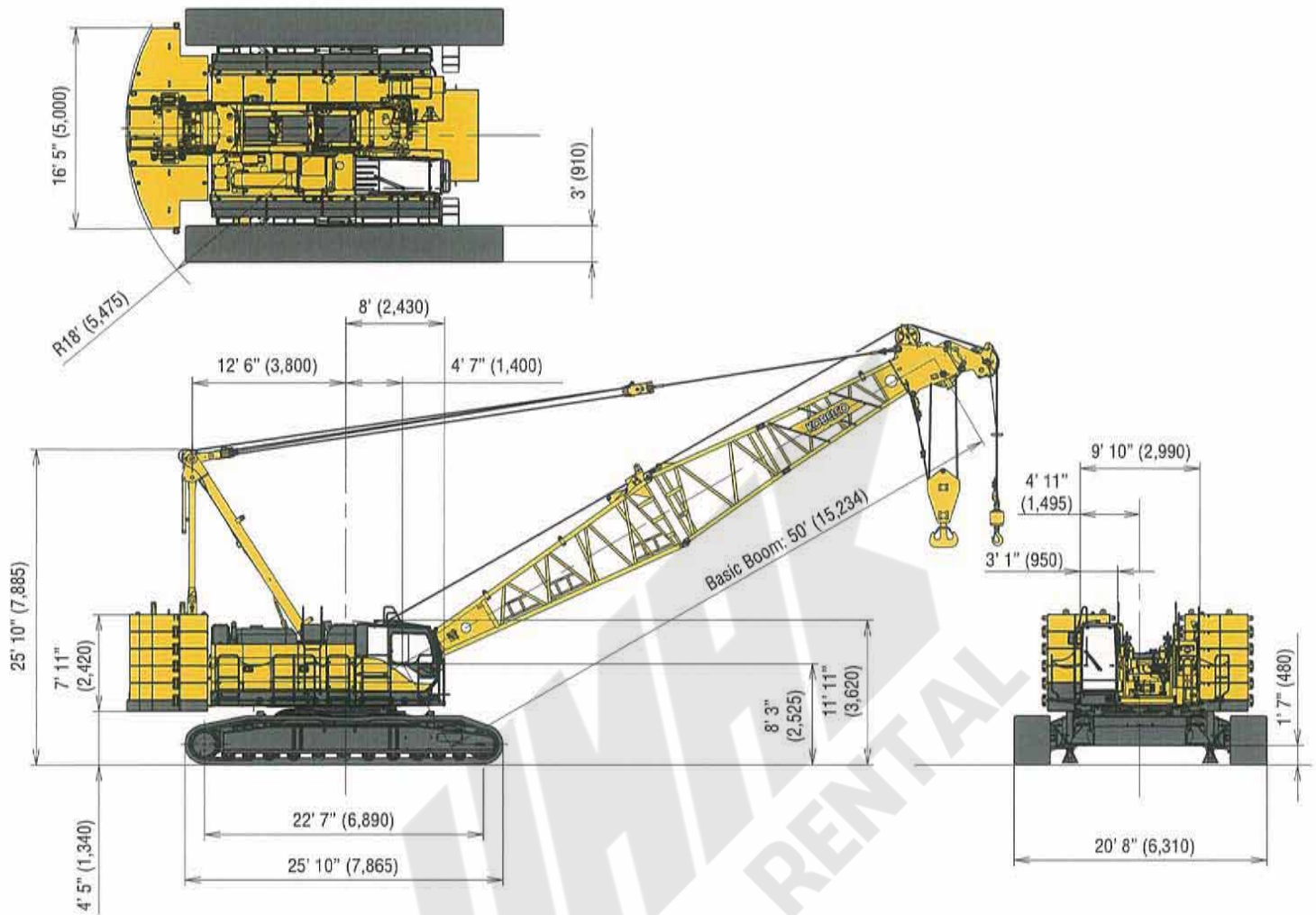
| | |
|-------------------------------|--|
| Crane Boom | |
| Max. Lifting Capacity | 320,000 lbs |
| Length | 50 ~ 250 ft |
| Fixed Jib | |
| Max. Lifting Capacity | 59,000 lbs |
| Max. Length | 100 ft |
| Max. Combination | 200 ft + 100 ft |
| Power Plant | |
| Model | HINO P11C-VC |
| Engine Output | 363 HP/1,850 rpm |
| Fuel Tank Capacity | 106 US gal. (400 liters) |
| Main & Aux. Winch | |
| Max. Line Speed | 390 ft/min (120 m/min): 1st layer |
| Rated Line Pull (single Line) | 29,500 lbs (132 kN) |
| Wire Rope Diameter | 1-1/32 in (26 mm) |
| Brake Type | Spring set hydraulically released (Negative) |

Working Speed

| | |
|-------------------------|------------------------------|
| Swing Speed | 2.1 rpm (min ⁻¹) |
| Travel Speed | 0.70/0.56 mph |
| Hydraulic System | |
| Main pumps | 3 variable displacement |
| Max. Pressure | 4,626 psi (31.9 MPa) |
| Hydraulic Tank Capacity | 141.3 US gal. (535 liters) |
| Weight | |
| Operating Weight | 304,200 lbs (136 t) |
| Ground Pressure | 11.7 psi (106 kPa) |
| Counterweight | 121,300 lbs |
| Transport Weight | 84,193 lbs |

GENERAL DIMENSIONS

Unit: ft-in (mm)



BOOM AND JIB ARRANGEMENTS

Crane Boom Arrangements

| Boom length ft (m) | Boom arrangement |
|--------------------|------------------|
| 50 (15.2) | |
| 60 (18.3) | ※ |
| 70 (21.3) | ※ |
| 80 (21.3) | ※ |
| 90 (27.4) | ※ |
| 100 (30.5) | ※ |
| 110 (33.5) | ※ |
| 120 (36.6) | ※ |
| 130 (39.6) | ※ |
| 140 (42.7) | ※ |
| 150 (45.7) | ※ |
| 160 (48.8) | ※ |
| 170 (51.8) | ※ |

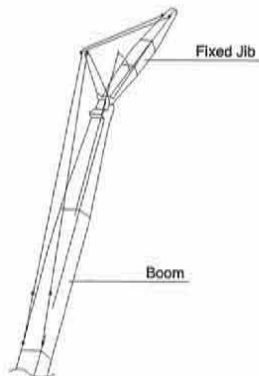
| Boom length ft (m) | Boom arrangement |
|--------------------|------------------|
| 180 (54.9) | ※ |
| 190 (57.9) | ※ |
| 200 (61.0) | ※ |
| 210 (64.0) | ※ |
| 220 (67.1) | ※ |
| 230 (70.1) | ※ |
| 240 (73.2) | ※ |
| 250 (76.2) | ※ |

| Symbol | Boom Length | Remarks |
|--------|------------------|--------------|
| | 25.0 ft (7.6 m) | Boom Base |
| | 15.0 ft (4.5 m) | Boom Top |
| | 10.0 ft (3.1 m) | Tapered Boom |
| | 10.0 ft (3.1 m) | Insert Boom |
| | 20.0 ft (6.1 m) | Insert Boom |
| | 40.0 ft (12.2 m) | Insert Boom |

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Fixed Jib Arrangements

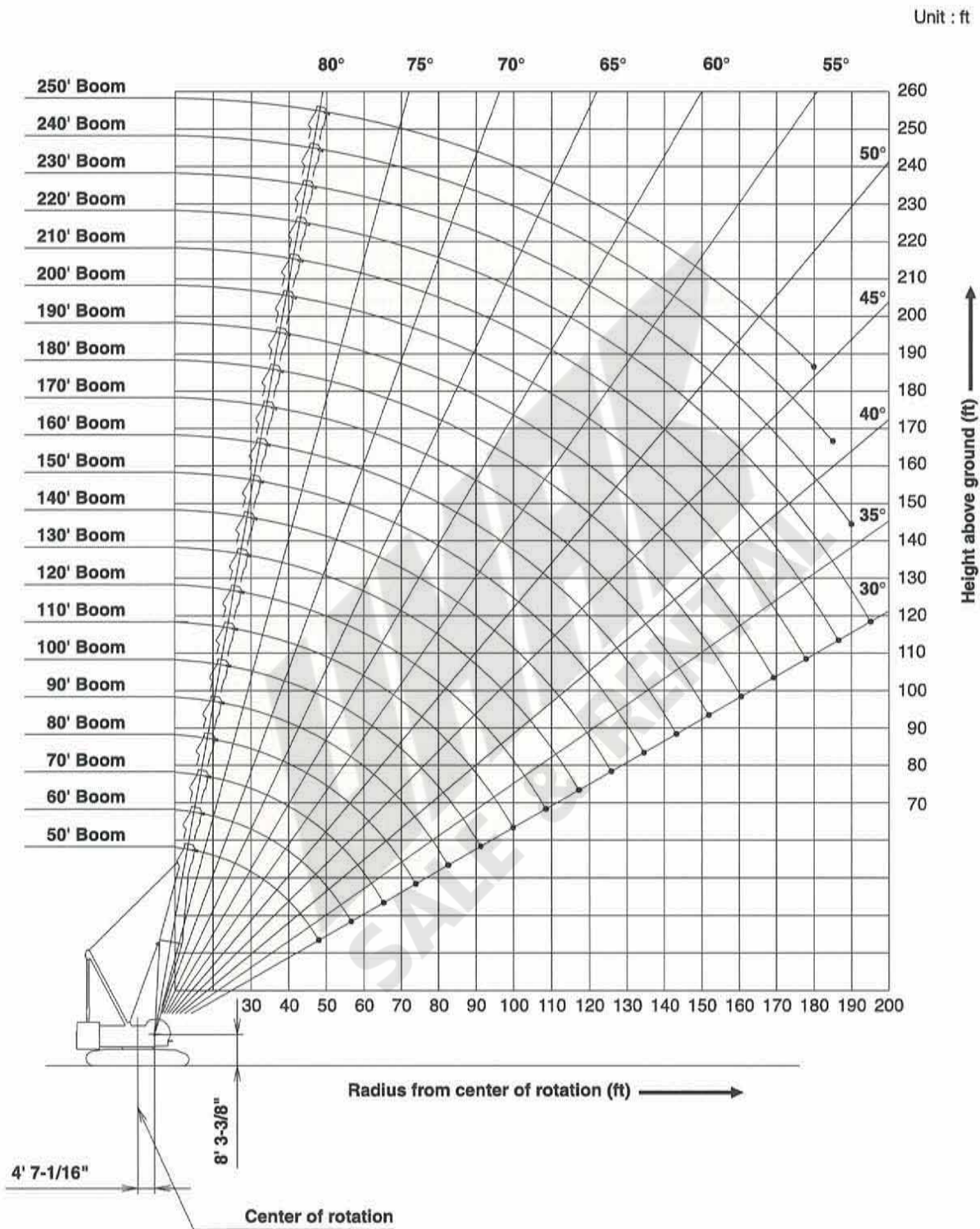


| Crane boom length | Jib length ft (m) | Jib arrangement |
|-------------------|-------------------|-----------------|
| 90 ft (27.4 m) | 40 (12.2) | |
| | 60 (18.3) | |
| 200 ft (61.0 m) | 80 (24.4) | |
| | 100 (30.5) | |

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

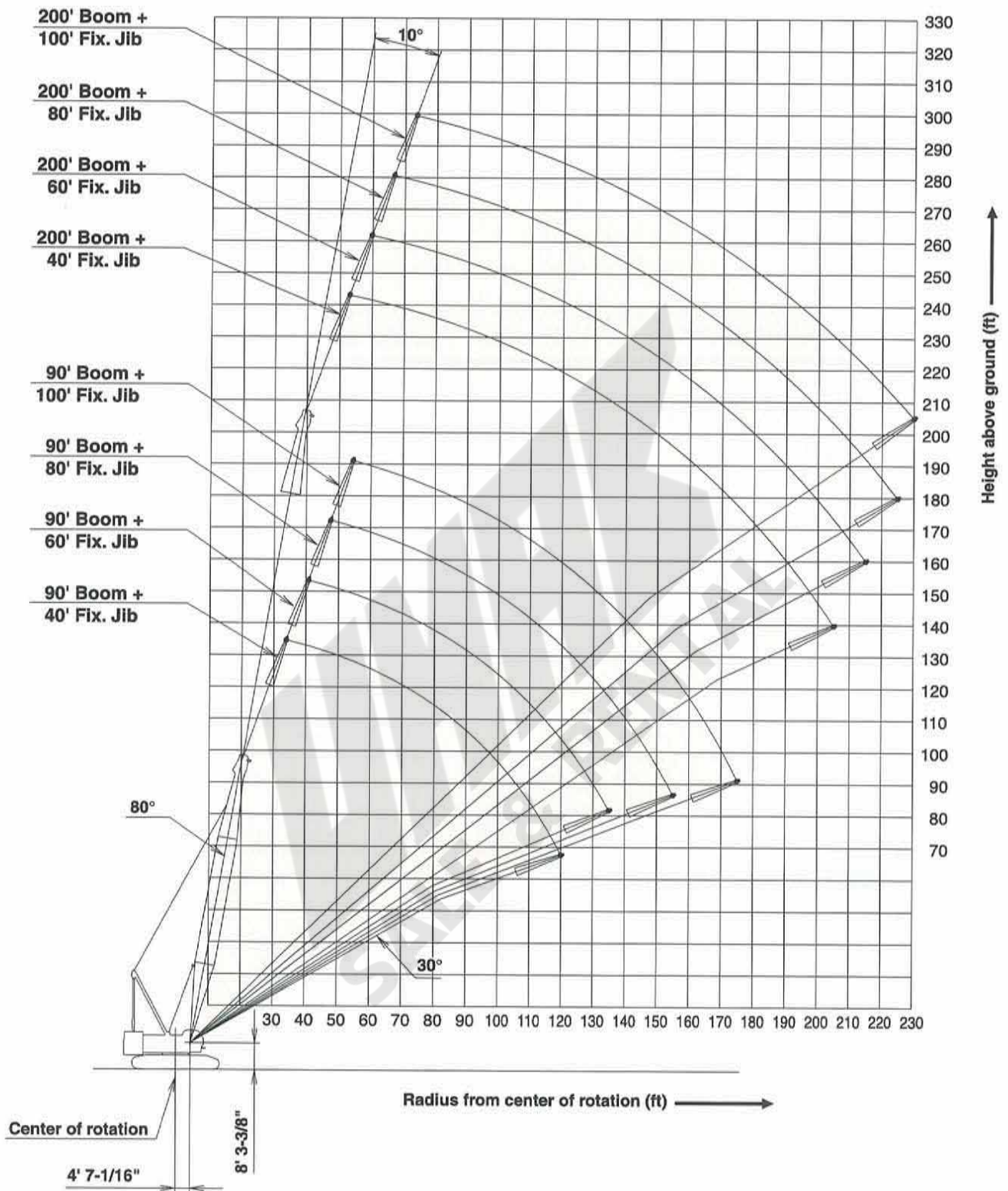
WORKING RANGES

Main Boom



Fixed Jib 10° (With Additional Counterweight)

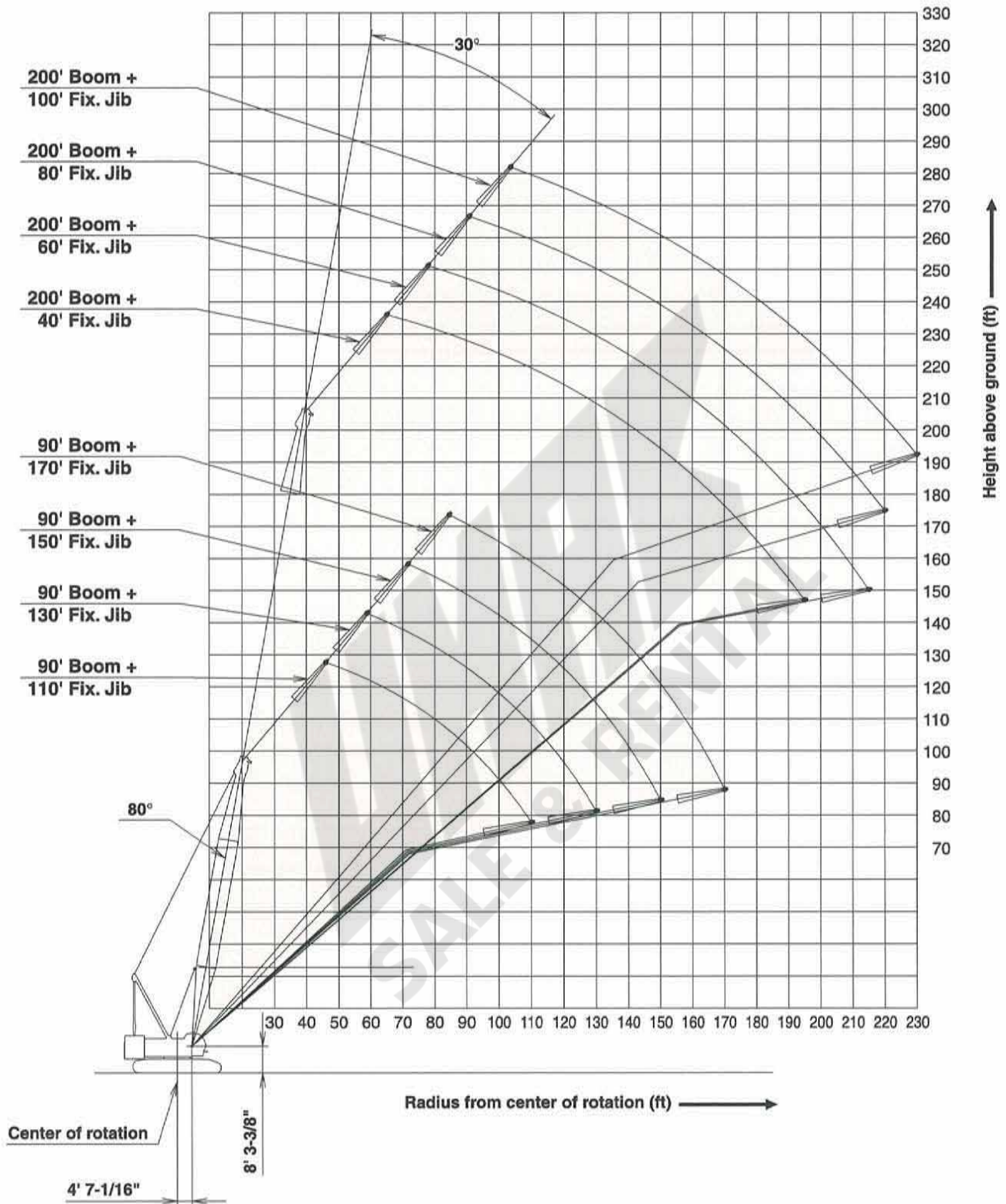
Unit : ft



WORKING RANGES

Fixed Jib 30°

Unit : ft



SUPPLEMENTAL DATA

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

| Jib length | Aux. | 40' | 60' | 80' | 100' |
|--------------|-------|-------|-------|-------|-------|
| Deduct (lbs) | 1,200 | 7,055 | 8,010 | 8,965 | 9,920 |
8. The total load that can be lifted over a jib is limited by rated jib loads.
9. Boom lengths for jib mounting are 90 ft (27.4 m) to 200 ft (61.0 m).
10. 12.2 m (40 ft) jib length with offset angle 10 degrees, one part of line on hook is not allowed to use.
11. The total load that can be lifted over an auxiliary sheave is the value for 1,250 lbs deducted from rated load for the boom without auxiliary sheave, but it should not exceed 59,000 lbs.
12. Boom lengths that can attach auxiliary sheave are from 50 ft (15.2 m) to 240 ft (73.2 m).

13. The boom should be erected over the front of the crawlers, not laterally.

When erecting and lowering the boom at length of 240 ft (73.2m) or over, the blocks for erection must be placed at the end of the crawlers.

14. Least stable position is over the side.

15. Maximum hoist load for number of reeving parts of line for hoist rope.

Main Boom Hoist Loads

| No. of Parts of Line | 1 | 2 | 3 | 4 | 5 |
|----------------------|--------|--------|--------|---------|---------|
| Maximum Loads (lbs) | 25,000 | 50,000 | 75,000 | 100,000 | 125,000 |

| No. of Parts of Line | 6 | 7 | 8 | 9 | 10 |
|----------------------|---------|---------|---------|---------|---------|
| Maximum Loads (lbs) | 150,000 | 175,000 | 200,000 | 225,000 | 240,000 |

Jib Hoist Loads

| No. of Parts of Line | 1 |
|----------------------|--------|
| Maximum Loads (lbs) | 24,000 |

Auxiliary Hoist Loads

| No. of Parts of Line | 1 | 2 |
|----------------------|--------|--------|
| Maximum Loads (lbs) | 24,000 | 50,000 |

16. Weight of recommended hook block.

| Hook block | 160 US t | 110 US t | 70 US t | 30 US t | 15 US t ball hook |
|-------------|----------|----------|---------|---------|-------------------|
| Weight(lbs) | 5,275 | 3,960 | 2,775 | 2,200 | 1,315 |

17. Lifting capacities listed apply only to the machine as originally manufactured and designed by KOBELCO CRANES CO.,LTD.

Modifications to this machine or use of equipment other than that specified can reduce operating capacity.

18. Designed and rated to comply with ANSI Code B30.5.

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

LIFTING CAPACITY



Crane Boom Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

| 50' Boom | | | 60' Boom | | | 70' Boom | | | 80' Boom | | |
|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) |
| 15.0 | 79.9 | 320,000 * | 17.0 | 79.6 | 280,000 * | 19.0 | 79.5 | 251,100 * | 22.0 | 78.6 | 211,800 * |
| 16.0 | 78.7 | 300,100 * | 18.0 | 78.7 | 266,000 * | 20.0 | 78.6 | 238,500 * | 24.0 | 77.1 | 190,200 * |
| 17.0 | 77.5 | 282,500 * | 19.0 | 77.7 | 251,900 * | 22.0 | 76.9 | 217,100 * | 26.0 | 75.7 | 172,600 * |
| 18.0 | 76.3 | 266,800 * | 20.0 | 76.7 | 239,300 * | 24.0 | 75.3 | 194,600 * | 28.0 | 74.2 | 157,800 * |
| 19.0 | 75.1 | 252,700 * | 22.0 | 74.7 | 218,000 * | 26.0 | 73.5 | 176,300 * | 30.0 | 72.7 | 145,500 * |
| 20.0 | 73.9 | 240,100 * | 24.0 | 72.7 | 197,500 * | 28.0 | 71.8 | 160,900 * | 32.0 | 71.1 | 134,400 * |
| 22.0 | 71.5 | 218,300 * | 26.0 | 70.7 | 178,300 * | 30.0 | 70.1 | 147,900 * | 34.0 | 69.6 | 123,000 * |
| 24.0 | 69.1 | 197,700 * | 28.0 | 68.6 | 162,200 * | 32.0 | 68.3 | 134,700 * | 36.0 | 68.1 | 113,300 * |
| 26.0 | 66.5 | 177,400 * | 30.0 | 66.5 | 148,300 * | 34.0 | 66.5 | 123,400 * | 38.0 | 66.5 | 105,100 * |
| 28.0 | 64.0 | 160,400 * | 32.0 | 64.4 | 134,900 * | 36.0 | 64.7 | 113,700 * | 40.0 | 64.9 | 97,800 * |
| 30.0 | 61.4 | 145,900 * | 34.0 | 62.2 | 123,600 * | 38.0 | 62.8 | 105,500 * | 45.0 | 60.8 | 83,300 * |
| 32.0 | 58.7 | 133,300 * | 36.0 | 60.0 | 113,900 * | 40.0 | 61.0 | 98,300 * | 50.0 | 56.6 | 72,300 * |
| 34.0 | 55.9 | 122,100 * | 38.0 | 57.7 | 105,800 * | 45.0 | 56.1 | 83,700 * | 55.0 | 52.1 | 63,900 * |
| 36.0 | 53.0 | 112,200 * | 40.0 | 55.4 | 98,500 * | 50.0 | 50.9 | 72,700 * | 60.0 | 47.4 | 56,800 * |
| 38.0 | 50.0 | 103,300 * | 45.0 | 49.3 | 83,900 * | 55.0 | 45.3 | 64,300 * | 65.0 | 42.2 | 51,300 * |
| 40.0 | 46.8 | 95,200 * | 50.0 | 42.4 | 72,000 * | 60.0 | 39.0 | 57,300 * | 70.0 | 36.3 | 46,700 * |
| 45.0 | 38.0 | 76,900 * | 55.0 | 34.4 | 60,100 * | 65.0 | 31.7 | 48,700 * | 75.0 | 29.5 | 40,300 * |
| Reeves | | 11 | Reeves | | 10 | Reeves | | 9 | Reeves | | 8 |
| 90' Boom | | | 100' Boom | | | 110' Boom | | | 120' Boom | | |
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) |
| 22.0 | 79.9 | 207,600 * | 24.0 | 79.8 | 183,400 * | 26.0 | 79.6 | 164,200 * | 28.0 | 79.5 | 147,000 * |
| 24.0 | 78.6 | 186,500 * | 26.0 | 78.6 | 166,400 * | 28.0 | 78.6 | 150,100 * | 30.0 | 78.6 | 135,500 * |
| 26.0 | 77.3 | 169,000 * | 28.0 | 77.4 | 152,300 * | 30.0 | 77.5 | 138,200 * | 32.0 | 77.6 | 125,600 * |
| 28.0 | 76.0 | 154,700 * | 30.0 | 76.2 | 140,400 * | 32.0 | 76.4 | 128,300 * | 34.0 | 76.6 | 117,000 * |
| 30.0 | 74.6 | 142,600 * | 32.0 | 75.0 | 130,200 * | 34.0 | 75.4 | 119,400 * | 36.0 | 75.6 | 109,500 * |
| 32.0 | 73.3 | 132,200 * | 34.0 | 73.8 | 121,400 * | 36.0 | 74.3 | 111,900 * | 38.0 | 74.6 | 102,900 * |
| 34.0 | 72.0 | 122,700 * | 36.0 | 72.6 | 112,800 * | 38.0 | 73.2 | 104,400 * | 40.0 | 73.6 | 96,700 * |
| 36.0 | 70.6 | 113,000 * | 38.0 | 71.4 | 104,700 * | 40.0 | 72.1 | 97,200 * | 45.0 | 71.1 | 82,200 * |
| 38.0 | 69.3 | 104,700 * | 40.0 | 70.2 | 97,400 * | 45.0 | 69.3 | 82,600 * | 50.0 | 68.6 | 71,200 * |
| 40.0 | 67.9 | 97,400 * | 45.0 | 67.1 | 82,800 * | 50.0 | 66.5 | 71,600 * | 55.0 | 65.9 | 62,600 * |
| 45.0 | 64.4 | 82,800 * | 50.0 | 63.9 | 71,800 * | 55.0 | 63.6 | 63,000 * | 60.0 | 63.3 | 55,500 * |
| 50.0 | 60.8 | 72,000 * | 55.0 | 60.7 | 63,200 * | 60.0 | 60.6 | 56,200 * | 65.0 | 60.6 | 50,000 * |
| 55.0 | 57.0 | 63,400 * | 60.0 | 57.3 | 56,400 * | 65.0 | 57.5 | 50,400 * | 70.0 | 57.8 | 45,100 * |
| 60.0 | 53.1 | 56,400 * | 65.0 | 53.8 | 50,700 * | 70.0 | 54.4 | 45,600 * | 75.0 | 54.9 | 41,200 * |
| 65.0 | 48.9 | 50,900 * | 70.0 | 50.1 | 46,000 * | 75.0 | 51.1 | 41,600 * | 80.0 | 51.9 | 37,600 * |
| 70.0 | 44.4 | 46,200 * | 75.0 | 46.2 | 41,800 * | 80.0 | 47.6 | 38,300 * | 85.0 | 48.7 | 34,800 * |
| 75.0 | 39.6 | 42,300 * | 80.0 | 42.0 | 38,500 * | 85.0 | 43.9 | 35,200 * | 90.0 | 45.4 | 32,100 * |
| 80.0 | 34.1 | 38,800 * | 85.0 | 37.4 | 35,700 * | 90.0 | 39.9 | 32,800 * | 95.0 | 41.9 | 29,900 * |
| | | | 90.0 | 32.3 | 32,800 * | 95.0 | 35.6 | 30,400 * | 100.0 | 38.1 | 27,900 * |
| | | | | | | 100.0 | 30.7 | 27,900 * | 105.0 | 34.0 | 26,000 * |
| Reeves | | 8 | Reeves | | 7 | Reeves | | 6 | Reeves | | 5 |

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

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

Refer to notes P10.



Crane Boom Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

| 130' Boom | | | 140' Boom | | | 150' Boom | | | 160' Boom | | |
|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) |
| 30.0 | 79.5 | 134,000 * | 32.0 | 79.4 | 122,100 * | 34.0 | 79.3 | 112,600 * | 34.0 | 80.0 | 110,800 * |
| 32.0 | 78.6 | 124,100 * | 34.0 | 78.5 | 113,500 * | 36.0 | 78.5 | 105,100 * | 36.0 | 79.3 | 103,600 * |
| 34.0 | 77.7 | 115,500 * | 36.0 | 77.7 | 106,200 * | 38.0 | 77.8 | 98,700 * | 38.0 | 78.5 | 97,000 * |
| 36.0 | 76.7 | 108,200 * | 38.0 | 76.9 | 99,800 * | 40.0 | 77.0 | 93,000 * | 40.0 | 77.8 | 91,200 * |
| 38.0 | 75.8 | 101,600 * | 40.0 | 76.0 | 94,100 * | 45.0 | 75.0 | 81,100 * | 45.0 | 76.0 | 79,500 * |
| 40.0 | 74.9 | 95,600 * | 45.0 | 73.9 | 81,700 | 50.0 | 73.0 | 70,500 | 50.0 | 74.1 | 70,100 |
| 45.0 | 72.6 | 82,000 | 50.0 | 71.7 | 70,700 | 55.0 | 71.0 | 61,900 | 55.0 | 72.2 | 61,500 |
| 50.0 | 70.3 | 70,900 | 55.0 | 69.6 | 62,100 | 60.0 | 69.0 | 54,800 | 60.0 | 70.3 | 54,600 |
| 55.0 | 67.9 | 62,300 | 60.0 | 67.4 | 55,100 | 65.0 | 66.9 | 49,100 | 65.0 | 68.4 | 48,900 |
| 60.0 | 65.5 | 55,500 | 65.0 | 65.1 | 49,300 | 70.0 | 64.8 | 44,500 | 70.0 | 66.5 | 44,000 |
| 65.0 | 63.0 | 49,800 | 70.0 | 62.8 | 44,700 | 75.0 | 62.6 | 40,300 | 75.0 | 64.5 | 40,100 |
| 70.0 | 60.5 | 44,900 | 75.0 | 60.5 | 40,700 | 80.0 | 60.4 | 37,000 | 80.0 | 62.5 | 36,500 |
| 75.0 | 57.9 | 41,000 | 80.0 | 58.1 | 37,200 | 85.0 | 58.2 | 33,900 | 85.0 | 60.4 | 33,500 |
| 80.0 | 55.3 | 37,400 | 85.0 | 55.6 | 34,100 | 90.0 | 55.9 | 31,300 | 90.0 | 58.3 | 30,800 |
| 85.0 | 52.5 | 34,600 | 90.0 | 53.1 | 31,700 | 95.0 | 53.6 | 29,100 | 95.0 | 56.2 | 28,600 |
| 90.0 | 49.7 | 31,900 | 95.0 | 50.5 | 29,300 | 100.0 | 51.1 | 26,800 | 100.0 | 54.0 | 26,600 |
| 95.0 | 46.7 | 29,700 | 100.0 | 47.7 | 27,300 | 105.0 | 48.6 | 25,100 | 105.0 | 51.7 | 24,600 |
| 100.0 | 43.5 | 27,500 | 105.0 | 44.9 | 25,300 | 110.0 | 46.0 | 23,300 | 110.0 | 49.4 | 23,100 |
| 105.0 | 40.2 | 25,700 | 110.0 | 41.8 | 23,800 | 115.0 | 43.2 | 22,000 | 115.0 | 47.0 | 21,600 |
| 110.0 | 36.6 | 24,200 | 115.0 | 38.6 | 22,200 | 120.0 | 40.3 | 20,700 | 120.0 | 44.4 | 20,200 |
| 115.0 | 32.6 | 22,700 * | 120.0 | 35.2 | 20,900 | 125.0 | 37.2 | 19,400 | 125.0 | 41.8 | 18,900 |
| | | | 125.0 | 31.4 | 19,600 * | 130.0 | 33.9 | 18,200 * | 130.0 | 39.0 | 17,800 |
| | | | | | | 135.0 | 30.2 | 16,500 * | 135.0 | 36.0 | 16,700 |
| | | | | | | | | | 140.0 | 32.8 | 15,600 * |
| Reeves | | | Reeves | | | Reeves | | | Reeves | | |
| 5 | | | 5 | | | 4 | | | 4 | | |
| 170' Boom | | | 180' Boom | | | 190' Boom | | | 200' Boom | | |
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) |
| 36.0 | 79.9 | 102,000 * | 38.0 | 79.8 | 88,400 * | 40.0 | 79.8 | 88,100 * | 45.0 | 78.8 | 75,100 * |
| 38.0 | 79.2 | 95,600 * | 40.0 | 79.2 | 88,400 * | 45.0 | 78.2 | 76,400 * | 50.0 | 77.3 | 66,100 * |
| 40.0 | 78.5 | 89,900 * | 45.0 | 77.6 | 77,600 * | 50.0 | 76.7 | 67,200 * | 55.0 | 75.9 | 58,800 * |
| 45.0 | 76.8 | 78,200 * | 50.0 | 75.9 | 68,500 * | 55.0 | 75.1 | 59,900 * | 60.0 | 74.4 | 52,900 * |
| 50.0 | 75.1 | 69,200 * | 55.0 | 74.3 | 61,000 * | 60.0 | 73.5 | 53,700 | 65.0 | 72.9 | 47,600 |
| 55.0 | 73.3 | 61,200 | 60.0 | 72.6 | 54,000 | 65.0 | 72.0 | 48,000 | 70.0 | 71.4 | 42,900 |
| 60.0 | 71.5 | 54,200 | 65.0 | 70.9 | 48,200 | 70.0 | 70.4 | 43,200 | 75.0 | 69.9 | 38,800 |
| 65.0 | 69.7 | 48,500 | 70.0 | 69.2 | 43,600 | 75.0 | 68.7 | 39,200 | 80.0 | 68.3 | 35,200 |
| 70.0 | 67.9 | 43,800 | 75.0 | 67.5 | 39,400 | 80.0 | 67.1 | 35,700 | 85.0 | 66.8 | 32,400 |
| 75.0 | 66.1 | 39,600 | 80.0 | 65.8 | 36,100 | 85.0 | 65.5 | 32,600 | 90.0 | 65.2 | 29,700 |
| 80.0 | 64.2 | 36,300 | 85.0 | 64.0 | 33,000 | 90.0 | 63.8 | 29,900 | 95.0 | 63.6 | 27,300 |
| 85.0 | 62.3 | 33,200 | 90.0 | 62.2 | 30,400 | 95.0 | 62.1 | 27,700 | 100.0 | 62.0 | 25,300 |
| 90.0 | 60.4 | 30,600 | 95.0 | 60.4 | 27,900 | 100.0 | 60.4 | 25,500 | 105.0 | 60.3 | 23,300 |
| 95.0 | 58.4 | 28,200 | 100.0 | 58.5 | 26,000 | 105.0 | 58.6 | 23,800 | 110.0 | 58.7 | 21,800 |
| 100.0 | 56.4 | 26,200 | 105.0 | 56.6 | 24,000 | 110.0 | 56.8 | 22,000 | 115.0 | 57.0 | 20,200 |
| 105.0 | 54.4 | 24,400 | 110.0 | 54.7 | 22,400 | 115.0 | 55.0 | 20,500 | 120.0 | 55.2 | 18,700 |
| 110.0 | 52.2 | 22,700 | 115.0 | 52.7 | 20,900 | 120.0 | 53.1 | 19,100 | 125.0 | 53.5 | 17,600 |
| 115.0 | 50.1 | 21,100 | 120.0 | 50.6 | 19,600 | 125.0 | 51.2 | 18,000 | 130.0 | 51.6 | 16,500 |
| 120.0 | 47.8 | 19,800 | 125.0 | 48.5 | 18,200 | 130.0 | 49.2 | 16,700 | 135.0 | 49.8 | 15,400 |
| 125.0 | 45.5 | 18,700 | 130.0 | 46.4 | 17,100 | 135.0 | 47.2 | 15,800 | 140.0 | 47.9 | 14,300 |
| 130.0 | 43.0 | 17,400 | 135.0 | 44.1 | 16,000 | 140.0 | 45.0 | 14,700 | 145.0 | 45.9 | 13,400 |
| 135.0 | 40.5 | 16,500 | 140.0 | 41.7 | 15,200 | 145.0 | 42.9 | 13,800 | 150.0 | 43.8 | 12,700 |
| 140.0 | 37.8 | 15,400 | 145.0 | 39.3 | 14,300 | 150.0 | 40.6 | 13,000 | 155.0 | 41.7 | 11,900 |
| 145.0 | 34.9 | 14,500 | 150.0 | 36.6 | 13,400 * | 155.0 | 38.2 | 12,300 * | 160.0 | 39.5 | 11,200 * |
| 150.0 | 31.8 | 13,200 * | 155.0 | 33.8 | 12,300 * | 160.0 | 35.6 | 11,200 * | 165.0 | 37.1 | 10,300 * |
| | | | 160.0 | 30.8 | 11,000 * | 165.0 | 32.9 | 10,100 * | 170.0 | 34.7 | 9,200 * |
| | | | | | | 170.0 | 30.0 | 9,000 * | 175.0 | 32.0 | 8,300 * |
| Reeves | | | Reeves | | | Reeves | | | Reeves | | |
| 4 | | | 3 | | | 3 | | | 3 | | |

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

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

Refer to notes P10.

LIFTING CAPACITY



Crane Boom Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

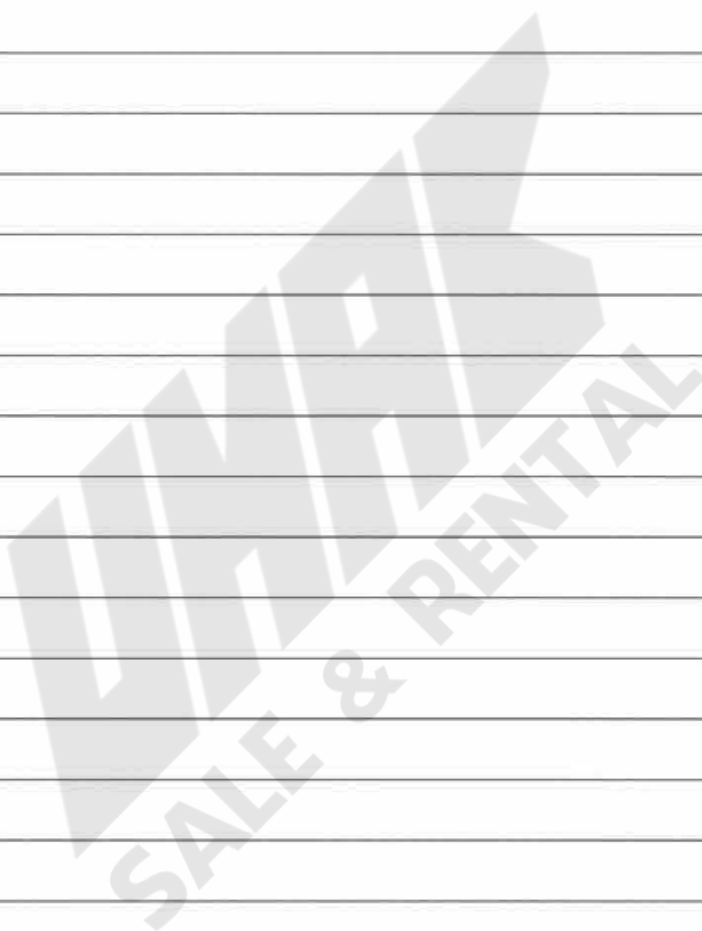
| 210' Boom | | | 220' Boom | | | 230' Boom | | | 240' Boom | | |
|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) |
| 45.0 | 79.4 | 73,800 * | 45.0 | 79.8 | 58,800 * | 50.0 | 79.0 | 58,800 * | 50.0 | 79.5 | 54,400 * |
| 50.0 | 78.0 | 65,000 * | 50.0 | 78.5 | 58,800 * | 55.0 | 77.7 | 55,700 * | 55.0 | 78.3 | 51,300 * |
| 55.0 | 76.6 | 57,700 * | 55.0 | 77.2 | 57,700 * | 60.0 | 76.5 | 50,700 * | 60.0 | 77.0 | 48,200 * |
| 60.0 | 75.1 | 51,800 * | 60.0 | 75.8 | 51,800 * | 65.0 | 75.2 | 45,800 * | 65.0 | 75.8 | 44,700 * |
| 65.0 | 73.7 | 46,900 * | 65.0 | 74.5 | 46,700 * | 70.0 | 73.9 | 41,400 * | 70.0 | 74.6 | 40,500 * |
| 70.0 | 72.3 | 42,500 * | 70.0 | 73.1 | 42,300 * | 75.0 | 72.6 | 37,900 * | 75.0 | 73.3 | 37,000 * |
| 75.0 | 70.9 | 38,300 * | 75.0 | 71.8 | 38,300 * | 80.0 | 71.3 | 34,600 * | 80.0 | 72.1 | 33,700 * |
| 80.0 | 69.4 | 34,800 * | 80.0 | 70.4 | 34,800 * | 85.0 | 69.9 | 31,500 * | 85.0 | 70.8 | 31,000 * |
| 85.0 | 67.9 | 31,900 * | 85.0 | 69.0 | 31,700 * | 90.0 | 68.6 | 28,800 * | 90.0 | 69.5 | 28,400 * |
| 90.0 | 66.5 | 29,300 * | 90.0 | 67.6 | 29,100 * | 95.0 | 67.3 | 26,400 * | 95.0 | 68.3 | 26,000 * |
| 95.0 | 64.9 | 26,800 * | 95.0 | 66.2 | 26,800 * | 100.0 | 65.9 | 24,400 * | 100.0 | 67.0 | 24,000 * |
| 100.0 | 63.4 | 24,900 * | 100.0 | 64.7 | 24,600 * | 105.0 | 64.5 | 22,400 * | 105.0 | 65.7 | 22,000 * |
| 105.0 | 61.9 | 22,900 * | 105.0 | 63.3 | 22,900 * | 110.0 | 63.1 | 20,900 * | 110.0 | 64.3 | 20,500 * |
| 110.0 | 60.3 | 21,300 * | 110.0 | 61.8 | 21,100 * | 115.0 | 61.7 | 19,400 * | 115.0 | 63.0 | 18,900 * |
| 115.0 | 58.7 | 19,800 * | 115.0 | 60.3 | 19,600 * | 120.0 | 60.3 | 17,800 * | 120.0 | 61.7 | 17,600 * |
| 120.0 | 57.1 | 18,500 * | 120.0 | 58.8 | 18,200 * | 125.0 | 58.8 | 16,700 * | 125.0 | 60.3 | 16,300 * |
| 125.0 | 55.5 | 17,100 * | 125.0 | 57.2 | 16,900 * | 130.0 | 57.4 | 15,400 * | 130.0 | 58.9 | 15,200 * |
| 130.0 | 53.8 | 16,000 * | 130.0 | 55.7 | 15,800 * | 135.0 | 55.9 | 14,500 * | 135.0 | 57.5 | 14,100 * |
| 135.0 | 52.1 | 14,900 * | 135.0 | 54.1 | 14,700 * | 140.0 | 54.3 | 13,400 * | 140.0 | 56.0 | 13,000 * |
| 140.0 | 50.3 | 13,800 * | 140.0 | 52.4 | 13,800 * | 145.0 | 52.8 | 12,500 * | 145.0 | 54.6 | 12,100 * |
| 145.0 | 48.5 | 13,000 * | 145.0 | 50.8 | 13,000 * | 150.0 | 51.2 | 11,600 * | 150.0 | 53.1 | 11,000 * |
| 150.0 | 46.6 | 12,300 * | 150.0 | 49.1 | 12,100 * | 155.0 | 49.6 | 10,800 * | 155.0 | 51.6 | 10,300 * |
| 155.0 | 44.7 | 11,400 * | 155.0 | 47.3 | 11,200 * | 160.0 | 47.9 | 9,900 * | 160.0 | 50.0 | 9,400 * |
| 160.0 | 42.7 | 10,500 * | 160.0 | 45.5 | 10,300 * | 165.0 | 46.2 | 9,200 * | 165.0 | 48.5 | 8,800 * |
| 165.0 | 40.6 | 9,900 * | 165.0 | 43.6 | 9,700 * | 170.0 | 44.4 | 8,500 * | 170.0 | 46.8 | 7,900 * |
| 170.0 | 38.5 | 9,200 * | 170.0 | 41.7 | 9,000 * | 175.0 | 42.6 | 7,900 * | 175.0 | 45.2 | 7,200 * |
| 175.0 | 36.2 | 8,100 * | 175.0 | 39.7 | 8,100 * | 180.0 | 40.7 | 7,000 * | 180.0 | 43.4 | 6,800 * |
| 180.0 | 33.8 | 7,200 * | 180.0 | 37.6 | 7,200 * | 185.0 | 38.7 | 6,300 * | 185.0 | 41.7 | 6,100 * |
| 185.0 | | 6,300 * | 185.0 | 35.3 | 6,600 * | 190.0 | 36.7 | 5,700 * | 190.0 | 39.8 | 5,200 * |
| | | | 190.0 | 33.0 | 5,700 * | 195.0 | 34.5 | 4,800 * | 195.0 | 37.9 | 4,600 * |
| | | | 195.0 | 30.5 | 4,800 * | 200.0 | 32.2 | 4,100 * | | | |
| Reeves | | | Reeves | | | Reeves | | | Reeves | | |
| 3 | | | 2 | | | 2 | | | 2 | | |
| 250' Boom | | | | | | | | | | | |
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | | | | | | | | | |
| 50.0 | 79.9 | 50,200 * | | | | | | | | | |
| 55.0 | 78.7 | 47,300 * | | | | | | | | | |
| 60.0 | 77.6 | 44,500 * | | | | | | | | | |
| 65.0 | 76.4 | 42,100 * | | | | | | | | | |
| 70.0 | 75.2 | 39,600 * | | | | | | | | | |
| 75.0 | 74.0 | 36,100 * | | | | | | | | | |
| 80.0 | 72.8 | 33,000 * | | | | | | | | | |
| 85.0 | 71.6 | 30,200 * | | | | | | | | | |
| 90.0 | 70.4 | 27,900 * | | | | | | | | | |
| 95.0 | 69.2 | 25,700 * | | | | | | | | | |
| 100.0 | 67.9 | 23,500 * | | | | | | | | | |
| 105.0 | 66.7 | 21,800 * | | | | | | | | | |
| 110.0 | 65.4 | 20,000 * | | | | | | | | | |
| 115.0 | 64.2 | 18,500 * | | | | | | | | | |
| 120.0 | 62.9 | 17,100 * | | | | | | | | | |
| 125.0 | 61.6 | 15,800 * | | | | | | | | | |
| 130.0 | 60.3 | 14,700 * | | | | | | | | | |
| 135.0 | 58.9 | 13,600 * | | | | | | | | | |
| 140.0 | 57.6 | 12,500 * | | | | | | | | | |
| 145.0 | 56.2 | 11,600 * | | | | | | | | | |
| 150.0 | 54.8 | 10,800 * | | | | | | | | | |
| 155.0 | 53.4 | 9,900 * | | | | | | | | | |
| 160.0 | 51.9 | 9,000 * | | | | | | | | | |
| 165.0 | 50.5 | 8,300 * | | | | | | | | | |
| 170.0 | 49.0 | 7,400 * | | | | | | | | | |
| 175.0 | 47.4 | 6,800 * | | | | | | | | | |
| 180.0 | 45.8 | 6,300 * | | | | | | | | | |
| 185.0 | 44.2 | 5,700 * | | | | | | | | | |
| 190.0 | 42.5 | 5,000 * | | | | | | | | | |
| 195.0 | 40.8 | 4,400 * | | | | | | | | | |
| Reeves | | | 2 | | | | | | | | |

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

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

Refer to notes P10.

Blank lined paper for writing.



LIFTING CAPACITY



Fixed Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

90' Boom

| Load Radius (ft) | 40 ft Jib | | | | 60 ft Jib | | | | 80 ft Jib | | | | 100 ft Jib | | | | Load Radius (ft) |
|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|-------------------|------------------|------------------|
| | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | | | |
| | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | |
| | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | |
| 34 | 79.5 | 59,000* | | | | | | | | | | | | | | | 34 |
| 36 | 78.6 | 59,000* | | | | | | | | | | | | | | | 36 |
| 38 | 77.7 | 59,000* | | | | | | | | | | | | | | | 38 |
| 40 | 76.8 | 59,000* | | | 79.6 | 42,500* | | | | | | | | | | | 40 |
| 42 | 75.8 | 58,800* | | | 78.8 | 42,200* | | | | | | | | | | | 42 |
| 44 | 74.9 | 58,200* | | | 78.0 | 42,000* | | | | | | | | | | | 44 |
| 46 | 74.0 | 57,600* | 79.5 | 40,100* | 77.2 | 41,700* | | 79.7 | 22,000* | | | | | | | | 46 |
| 48 | 73.1 | 57,000* | 78.5 | 39,200* | 76.5 | 41,500* | | 79.0 | 21,800* | | | | | | | | 48 |
| 50 | 72.2 | 56,400* | 77.5 | 38,200* | 75.7 | 41,300* | | 78.3 | 21,600* | | | 79.6 | 13,200* | | | | 50 |
| 55 | 69.8 | 55,100* | 75.1 | 36,100* | 73.7 | 40,300* | | 76.6 | 21,300* | | | 78.1 | 13,000* | | | | 55 |
| 60 | 67.4 | 53,900* | 72.7 | 34,300* | 71.6 | 39,300* | 78.8 | 27,000* | 74.8 | 20,900* | | 76.5 | 12,700* | | | | 60 |
| 65 | 65.0 | 51,000* | 70.2 | 32,600* | 69.6 | 38,400* | 76.6 | 25,500* | 73.0 | 20,600* | | 75.0 | 12,400* | | | | 65 |
| 70 | 62.5 | 47,200 | 67.6 | 31,200* | 67.5 | 36,100* | 74.5 | 24,200* | 71.2 | 20,000* | 79.7 | 16,700* | 73.4 | 12,100* | | | 70 |
| 75 | 59.9 | 43,100 | 64.9 | 29,800* | 65.4 | 33,600* | 72.3 | 23,100* | 69.4 | 19,400* | 77.8 | 16,300* | 71.8 | 11,600* | | | 75 |
| 80 | 57.3 | 39,600 | 62.2 | 28,700* | 63.2 | 31,500* | 70.0 | 22,000* | 67.5 | 18,700* | 75.9 | 15,900* | 70.1 | 11,200* | 79.8 | 9,100* | 80 |
| 85 | 54.5 | 36,600 | 59.4 | 27,600* | 61.0 | 29,600* | 67.7 | 21,100* | 65.7 | 18,100* | 74.0 | 15,500* | 68.5 | 10,800* | 78.1 | 8,900* | 85 |
| 90 | 51.7 | 33,900 | 56.5 | 26,700* | 58.7 | 27,900* | 65.4 | 20,200* | 63.7 | 17,600* | 72.0 | 15,200* | 66.8 | 10,400* | 76.4 | 8,600* | 90 |
| 95 | 48.8 | 31,600 | 53.4 | 25,900* | 56.3 | 26,400* | 62.9 | 19,400* | 61.8 | 17,100* | 69.9 | 14,900* | 65.1 | 10,000* | 74.6 | 8,400* | 95 |
| 100 | 45.6 | 29,500 | 50.1 | 25,100* | 53.9 | 25,100* | 60.4 | 18,700* | 59.8 | 16,600* | 67.9 | 14,500* | 63.4 | 9,700* | 72.8 | 8,200* | 100 |
| 105 | 42.3 | 27,700 | 46.6 | 24,500* | 51.4 | 23,900* | 57.8 | 18,100* | 57.7 | 16,200* | 65.7 | 13,900* | 61.7 | 9,400* | 71.0 | 8,000* | 105 |
| 110 | 38.8 | 26,000 | 42.9 | 23,900* | 48.8 | 22,800* | 55.1 | 17,500* | 55.6 | 15,800* | 63.5 | 13,500* | 59.9 | 9,100* | 69.2 | 7,800* | 110 |
| 115 | 34.9 | 24,400* | | | 46.1 | 21,800* | 52.2 | 17,000* | 53.5 | 15,400* | 61.3 | 13,000* | 58.1 | 8,800* | 67.3 | 7,600* | 115 |
| 120 | 30.6 | 21,900* | | | 43.2 | 20,900* | 49.2 | 16,600* | 51.2 | 15,000* | 58.9 | 12,600* | 56.2 | 8,500* | 65.4 | 7,400* | 120 |
| 125 | | | | | 40.2 | 20,100* | 45.9 | 16,100* | 48.9 | 14,700* | 56.5 | 12,200* | 54.3 | 8,300* | 63.4 | 7,300* | 125 |
| 130 | | | | | 36.9 | 19,400* | 42.3 | 15,800* | 46.5 | 14,400* | 53.9 | 11,900* | 52.3 | 8,100* | 61.3 | 7,100* | 130 |
| 135 | | | | | 33.3 | 18,700* | | | 43.9 | 14,100* | 51.2 | 11,500* | 50.3 | 7,900* | 59.2 | 7,000* | 135 |
| 140 | | | | | | | | | 41.3 | 13,900* | 48.3 | 11,200* | 48.2 | 7,700* | 57.0 | 6,900* | 140 |
| 145 | | | | | | | | | 38.4 | 13,600* | 45.2 | 11,000* | 46.0 | 7,500* | 54.7 | 6,800* | 145 |
| 150 | | | | | | | | | 35.4 | 13,400* | 41.9 | 10,800* | 43.8 | 7,300* | 52.3 | 6,700* | 150 |
| 155 | | | | | | | | | 32.0 | 13,200* | | | 41.4 | 7,100* | 49.8 | 6,600* | 155 |
| 160 | | | | | | | | | | | | | 38.9 | 7,000* | 47.1 | 6,500* | 160 |
| 165 | | | | | | | | | | | | | 36.2 | 6,900* | 44.2 | 6,500* | 165 |
| 170 | | | | | | | | | | | | | 33.3 | 6,700* | 41.0 | 6,400* | 170 |
| 175 | | | | | | | | | | | | | 30.2 | 6,600* | | | 175 |
| Reeves | 2 | | 2 | | 2 | | 1 | | 1 | | 1 | | 1 | | 1 | | Reeves |

100' Boom

| Load Radius (ft) | 40 ft Jib | | | | 60 ft Jib | | | | 80 ft Jib | | | | 100 ft Jib | | | | Load Radius (ft) |
|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|-------------------|------------------|------------------|
| | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | | | |
| | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | |
| | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | |
| 36 | 79.4 | 59,000* | | | | | | | | | | | | | | | 36 |
| 38 | 78.6 | 59,000* | | | | | | | | | | | | | | | 38 |
| 40 | 77.7 | 59,000* | | | | | | | | | | | | | | | 40 |
| 42 | 76.9 | 59,000* | | | 79.5 | 42,400* | | | | | | | | | | | 42 |
| 44 | 76.0 | 58,900* | | | 78.8 | 42,200* | | | | | | | | | | | 44 |
| 46 | 75.2 | 58,300* | | | 78.1 | 41,900* | | | | | | | | | | | 46 |
| 48 | 74.3 | 57,700* | 79.4 | 40,000* | 77.3 | 41,700* | | | 79.6 | 21,900* | | | | | | | 48 |
| 50 | 73.5 | 57,200* | 78.5 | 39,100* | 76.6 | 41,500* | | | 79.0 | 21,800* | | | | | | | 50 |
| 55 | 71.3 | 55,900* | 76.3 | 37,100* | 74.7 | 40,800* | | | 77.3 | 21,400* | | | 78.7 | 13,100* | | | 55 |
| 60 | 69.1 | 54,700* | 74.0 | 35,200* | 72.8 | 39,900* | 79.5 | 27,600* | 75.7 | 21,100* | | | 77.2 | 12,800* | | | 60 |
| 65 | 66.9 | 51,600 | 71.7 | 33,600* | 70.9 | 39,000* | 77.6 | 26,100* | 74.0 | 20,800* | | | 75.7 | 12,500* | | | 65 |
| 70 | 64.6 | 46,900 | 69.4 | 32,100* | 69.0 | 38,000* | 75.6 | 24,900* | 72.3 | 20,500* | | | 74.2 | 12,300* | | | 70 |
| 75 | 62.3 | 42,800 | 67.0 | 30,800* | 67.0 | 35,500* | 73.5 | 23,700* | 70.6 | 19,800* | 78.6 | 16,400* | 72.7 | 11,900* | | | 75 |
| 80 | 59.9 | 39,300 | 64.6 | 29,600* | 65.0 | 33,200* | 71.5 | 22,700* | 68.9 | 19,200* | 76.8 | 16,000* | 71.2 | 11,500* | | | 80 |
| 85 | 57.5 | 36,300 | 62.0 | 28,600* | 63.0 | 31,300* | 69.4 | 21,700* | 67.1 | 18,600* | 75.0 | 15,700* | 69.6 | 11,000* | 78.7 | 8,900* | 85 |
| 90 | 55.0 | 33,600 | 59.4 | 27,600* | 60.9 | 29,500* | 67.2 | 20,800* | 65.3 | 18,000* | 73.1 | 15,400* | 68.1 | 10,700* | 77.1 | 8,700* | 90 |
| 95 | 52.4 | 31,300 | 56.7 | 26,800* | 58.8 | 27,900* | 65.0 | 20,100* | 63.5 | 17,500* | 71.2 | 15,100* | 66.5 | 10,300* | 75.5 | 8,500* | 95 |
| 100 | 49.6 | 29,200 | 53.9 | 26,000* | 56.6 | 26,600* | 62.7 | 19,400* | 61.7 | 17,100* | 69.3 | 14,800* | 64.9 | 10,000* | 73.8 | 8,300* | 100 |
| 105 | 46.8 | 27,300 | 51.0 | 25,300* | 54.3 | 25,300* | 60.4 | 18,700* | 59.8 | 16,600* | 67.4 | 14,300* | 63.2 | 9,700* | 72.1 | 8,100* | 105 |
| 110 | 43.8 | 25,600 | 47.9 | 24,700* | 52.0 | 24,100* | 58.0 | 18,100* | 57.9 | 16,200* | 65.4 | 13,800* | 61.6 | 9,300* | 70.4 | 7,900* | 110 |
| 115 | 40.7 | 24,100 | 44.5 | 24,100* | 49.6 | 23,100* | 55.5 | 17,600* | 55.9 | 15,800* | 63.3 | 13,400* | 59.9 | 9,100* | 68.7 | 7,700* | 115 |
| 120 | 37.3 | 22,700 | 40.9 | 23,000 | 47.1 | 22,100* | 52.8 | 17,100* | 53.9 | 15,400* | 61.2 | 13,000* | 58.2 | 8,800* | 66.9 | 7,500* | 120 |
| 125 | 33.5 | 21,100* | | | 44.5 | 21,300* | 50.1 | 16,700* | 51.8 | 15,100* | 59.0 | 12,600* | 56.4 | 8,500* | 65.1 | 7,400* | 125 |
| 130 | | | | | 41.7 | 20,500* | 47.1 | 16,300* | 49.6 | 14,800* | 56.7 | 12,200* | 54.6 | 8,300* | 63.2 | 7,200* | 130 |
| 135 | | | | | 38.8 | 19,700 | 43.9 | 15,900* | 47.4 | 14,500* | 54.3 | 11,900* | 52.7 | 8,100* | 61.3 | 7,100* | 135 |
| 140 | | | | | 35.6 | 18,600* | 40.5 | 15,600* | 45.0 | 14,200* | 51.9 | 11,600* | 50.8 | 7,900* | 59.3 | 7,000* | 140 |
| 145 | | | | | 32.1 | 17,000* | | | 42.6 | 14,000* | 49.2 | 11,300* | 48.9 | 7,700* | 57.2 | 6,900* | 145 |
| 150 | | | | | | | | | 40.0 | 13,700* | 46.4 | 11,100* | 46.8 | 7,500* | 55.1 | 6,800* | 150 |
| 155 | | | | | | | | | 37.2 | 13,500* | 43.4 | 10,800* | 44.7 | 7,400* | 52.8 | 6,700* | 155 |
| 160 | | | | | | | | | 34.2 | 13,300* | 40.2 | 10,600* | 42.5 | 7,200* | 50.5 | 6,600* | 160 |
| 165 | | | | | | | | | | | | | 40.2 | 7,000* | 48.0 | 6,500* | 165 |
| 170 | | | | | | | | | | | | | 37.8 | 6,900* | 45.4 | 6,500* | 170 |
| 175 | | | | | | | | | | | | | 35.2 | 6,800* | 42.6 | 6,400* | 175 |
| 180 | | | | | | | | | | | | | 32.4 | 6,700* | | | 180 |
| Reeves | 2 | | 2 | | 2 | | 1 | | 1 | | 1 | | 1 | | 1 | | Reeves |

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

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

Refer to notes P10.



Fixed Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

110' Boom

| Load Radius (ft) | 40 ft Jib | | | | 60 ft Jib | | | | 80 ft Jib | | | | 100 ft Jib | | | | Load Radius (ft) |
|------------------|---------------------|------------------|-------------------|------------------|---------------------|------------------|-------------------|------------------|---------------------|------------------|-------------------|------------------|---------------------|------------------|-------------------|------------------|------------------|
| | Offset Angle (deg.) | | | | Offset Angle (deg.) | | | | Offset Angle (deg.) | | | | Offset Angle (deg.) | | | | |
| | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | |
| | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | |
| 38 | 79.3 | 59,000* | | | | | | | | | | | | | | | 38 |
| 40 | 78.6 | 59,000* | | | | | | | | | | | | | | | 40 |
| 42 | 77.8 | 59,000* | | | | | | | | | | | | | | | 42 |
| 44 | 77.0 | 59,000* | | | 79.5 | 42,300* | | | | | | | | | | | 44 |
| 46 | 76.2 | 58,900* | | | 78.8 | 42,100* | | | | | | | | | | | 46 |
| 48 | 75.4 | 58,400* | | | 78.1 | 41,900* | | | | | | | | | | | 48 |
| 50 | 74.6 | 57,800* | 79.3 | 39,900* | 77.4 | 41,700* | | | 79.6 | 21,900* | | | | | | | 50 |
| 55 | 72.6 | 56,600* | 77.3 | 37,900* | 75.6 | 41,200* | | | 78.0 | 21,600* | | | 79.3 | 13,100* | | | 55 |
| 60 | 70.6 | 55,400* | 75.2 | 36,100* | 73.9 | 40,300* | | | 76.5 | 21,200* | | | 77.8 | 12,900* | | | 60 |
| 65 | 68.5 | 51,300 | 73.1 | 34,500* | 72.1 | 39,500* | | | 74.9 | 20,900* | | | 76.4 | 12,600* | | | 65 |
| 70 | 66.4 | 46,500 | 70.9 | 33,000* | 70.3 | 38,600* | 78.4 | 26,700* | 73.3 | 20,600* | | | 75.0 | 12,400* | | | 70 |
| 75 | 64.3 | 42,500 | 68.8 | 31,700* | 68.5 | 37,300* | 74.6 | 24,300* | 71.7 | 20,200* | 79.2 | 16,600* | 73.6 | 12,200* | | | 75 |
| 80 | 62.1 | 38,900 | 66.5 | 30,500* | 66.6 | 35,000* | 72.7 | 23,300* | 70.1 | 19,600* | 77.6 | 16,200* | 72.1 | 11,700* | | | 80 |
| 85 | 59.9 | 35,900 | 64.2 | 29,500* | 64.7 | 32,900* | 70.8 | 22,300* | 68.4 | 19,000* | 75.9 | 15,800* | 70.7 | 11,300* | 79.3 | 9,000* | 85 |
| 90 | 57.6 | 33,300 | 61.9 | 28,500* | 62.8 | 31,100* | 68.8 | 21,400* | 66.8 | 18,400* | 74.1 | 15,500* | 69.2 | 10,900* | 77.8 | 8,800* | 90 |
| 95 | 55.3 | 30,900 | 59.5 | 27,600* | 60.8 | 29,400* | 66.8 | 20,700* | 65.1 | 17,900* | 72.4 | 15,200* | 67.7 | 10,600* | 76.3 | 8,500* | 95 |
| 100 | 52.9 | 28,800 | 57.0 | 26,800* | 58.8 | 28,000* | 64.7 | 19,900* | 63.3 | 17,500* | 70.6 | 14,900* | 66.2 | 10,200* | 74.7 | 8,300* | 100 |
| 105 | 50.4 | 27,000 | 54.4 | 26,100* | 56.8 | 26,600* | 62.6 | 19,300* | 61.6 | 17,000* | 68.8 | 14,700* | 64.6 | 9,900* | 73.1 | 8,200* | 105 |
| 110 | 47.8 | 25,300 | 51.7 | 25,400* | 54.7 | 25,400* | 60.4 | 18,700* | 59.8 | 16,600* | 66.9 | 14,200* | 63.1 | 9,600* | 71.5 | 8,000* | 110 |
| 115 | 45.1 | 23,800 | 48.9 | 24,100 | 52.5 | 24,200 | 58.1 | 18,100* | 58.0 | 16,200* | 65.0 | 13,800* | 61.5 | 9,300* | 69.9 | 7,800* | 115 |
| 120 | 42.2 | 22,400 | 45.9 | 22,700 | 50.3 | 22,800 | 55.8 | 17,600* | 56.1 | 15,800* | 63.1 | 13,300* | 59.9 | 9,100* | 68.2 | 7,600* | 120 |
| 125 | 39.2 | 21,100 | 42.6 | 21,400 | 48.0 | 21,500 | 53.3 | 17,200* | 54.2 | 15,500* | 61.1 | 12,900* | 58.3 | 8,800* | 66.5 | 7,500* | 125 |
| 130 | 35.9 | 20,000 | | | 45.6 | 20,400 | 50.8 | 16,700* | 52.2 | 15,200* | 59.1 | 12,600* | 56.6 | 8,600* | 64.8 | 7,300* | 130 |
| 135 | 32.3 | 18,200* | | | 43.0 | 19,300 | 48.1 | 16,400* | 50.2 | 14,900* | 56.9 | 12,200* | 54.9 | 8,300* | 63.0 | 7,200* | 135 |
| 140 | | | | | 40.4 | 18,300 | 45.3 | 16,000* | 48.1 | 14,600* | 54.7 | 11,900* | 53.1 | 8,100* | 61.2 | 7,100* | 140 |
| 145 | | | | | 37.5 | 17,400 | 42.2 | 15,700* | 45.9 | 14,300* | 52.4 | 11,600* | 51.3 | 7,900* | 59.3 | 7,000* | 145 |
| 150 | | | | | 34.4 | 16,200* | | | 43.7 | 14,100* | 50.0 | 11,400* | 49.5 | 7,800* | 57.4 | 6,900* | 150 |
| 155 | | | | | 31.1 | 14,800* | | | 41.3 | 13,800* | 47.5 | 11,100* | 47.6 | 7,600* | 55.4 | 6,800* | 155 |
| 160 | | | | | | | | | 38.8 | 13,600* | 44.7 | 10,900* | 45.6 | 7,400* | 53.3 | 6,700* | 160 |
| 165 | | | | | | | | | 36.1 | 13,400* | 41.8 | 10,700* | 43.5 | 7,200* | 51.1 | 6,600* | 165 |
| 170 | | | | | | | | | 33.2 | 13,300* | | | 41.4 | 7,100* | 48.8 | 6,500* | 170 |
| 175 | | | | | | | | | 30.0 | 12,500* | | | 39.2 | 7,000* | 46.4 | 6,500* | 175 |
| 180 | | | | | | | | | | | | | 36.8 | 6,900* | 43.8 | 6,400* | 180 |
| 185 | | | | | | | | | | | | | 34.2 | 6,700* | 41.1 | 6,400* | 185 |
| 190 | | | | | | | | | | | | | 31.5 | 6,700* | | | 190 |
| Reeves | 2 | | 2 | | 2 | | 1 | | 1 | | 1 | | 1 | | 1 | | Reeves |

120' Boom

| Load Radius (ft) | 40 ft Jib | | | | 60 ft Jib | | | | 80 ft Jib | | | | 100 ft Jib | | | | Load Radius (ft) |
|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|-------------------|------------------|------------------|
| | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | | | |
| | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | |
| | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | |
| 38 | 80.0 | 59,000* | | | | | | | | | | | | | | | 38 |
| 40 | 79.3 | 59,000* | | | | | | | | | | | | | | | 40 |
| 42 | 78.5 | 59,000* | | | | | | | | | | | | | | | 42 |
| 44 | 77.8 | 59,000* | | | | | | | | | | | | | | | 44 |
| 46 | 77.1 | 59,000* | | | | | | | | | | | | | | | 46 |
| 48 | 76.3 | 59,000* | | | | | | | | | | | | | | | 48 |
| 50 | 75.6 | 58,500* | 80.0 | 40,600* | 79.4 | 42,300* | | | | | | | | | | | 50 |
| 55 | 73.7 | 57,200* | 78.1 | 38,700* | 76.5 | 41,400* | | | 78.6 | 21,700* | | | 79.7 | 13,200* | | | 55 |
| 60 | 71.8 | 56,100* | 76.2 | 36,900* | 74.8 | 40,700* | | | 77.2 | 21,400* | | | 78.4 | 13,000* | | | 60 |
| 65 | 69.9 | 50,900 | 74.2 | 35,300* | 73.1 | 39,900* | | | 75.7 | 21,000* | | | 77.1 | 12,700* | | | 65 |
| 70 | 68.0 | 46,100 | 72.2 | 33,900* | 71.4 | 39,100* | | | 74.2 | 20,800* | | | 75.7 | 12,500* | | | 70 |
| 75 | 66.0 | 42,000 | 70.2 | 32,600* | 69.7 | 38,400* | | | 72.7 | 20,500* | 79.8 | 16,700* | 74.4 | 12,300* | | | 75 |
| 80 | 64.0 | 38,500 | 68.2 | 31,400* | 68.0 | 36,600* | | | 71.1 | 19,900* | 78.2 | 16,300* | 73.0 | 12,000* | | | 80 |
| 85 | 62.0 | 35,400 | 66.1 | 30,300* | 66.2 | 34,500* | | | 70.1 | 19,400* | 76.6 | 16,000* | 71.6 | 11,500* | 79.9 | 9,100* | 85 |
| 90 | 59.9 | 32,800 | 64.0 | 29,300* | 64.5 | 32,600* | | | 68.0 | 18,800* | 75.0 | 15,700* | 70.2 | 11,100* | 78.4 | 8,900* | 90 |
| 95 | 57.8 | 30,400 | 61.8 | 28,400* | 62.6 | 30,900* | | | 66.4 | 18,300* | 73.4 | 15,400* | 68.8 | 10,800* | 77.0 | 8,600* | 95 |
| 100 | 55.6 | 28,300 | 59.5 | 27,600* | 60.8 | 28,800* | | | 64.8 | 17,900* | 71.7 | 15,100* | 67.3 | 10,500* | 75.5 | 8,400* | 100 |
| 105 | 53.4 | 26,500 | 57.2 | 26,800* | 58.9 | 26,900 | | | 63.2 | 17,400* | 70.0 | 14,900* | 65.9 | 10,100* | 74.0 | 8,200* | 105 |
| 110 | 51.1 | 24,800 | 54.8 | 25,300 | 57.0 | 25,200 | | | 61.5 | 17,000* | 68.3 | 14,600* | 64.4 | 9,800* | 72.5 | 8,100* | 110 |
| 115 | 48.7 | 23,300 | 52.3 | 23,700 | 55.0 | 23,700 | | | 59.8 | 16,600* | 66.6 | 14,100* | 62.9 | 9,600* | 71.0 | 7,900* | 115 |
| 120 | 46.2 | 21,900 | 49.7 | 22,300 | 53.0 | 22,300 | | | 58.1 | 16,200* | 64.8 | 13,700* | 61.4 | 9,300* | 69.4 | 7,700* | 120 |
| 125 | 43.5 | 20,600 | 47.0 | 21,000 | 50.9 | 21,000 | | | 56.3 | 15,900* | 62.9 | 13,300* | 59.9 | 9,000* | 67.8 | 7,600* | 125 |
| 130 | 40.8 | 19,500 | 44.1 | 19,800 | 48.7 | 19,900 | | | 54.5 | 15,500* | 61.0 | 12,900* | 58.3 | 8,800* | 66.2 | 7,400* | 130 |
| 135 | 37.8 | 18,400 | 41.0 | 18,700 | 46.5 | 18,800 | | | 52.7 | 15,200* | 59.1 | 12,600* | 56.7 | 8,600* | 64.5 | 7,300* | 135 |
| 140 | 34.7 | 17,100* | | | 44.1 | 17,800 | | | 50.8 | 14,900* | 57.1 | 12,300* | 55.1 | 8,300* | 62.8 | 7,200* | 140 |
| 145 | 31.2 | 15,500* | | | 41.7 | 16,900 | | | 48.8 | 14,700* | 55.0 | 11,900* | 53.5 | 8,200* | 61.1 | 7,100* | 145 |
| 150 | | | | | 39.1 | 16,100 | | | 46.8 | 14,400* | 52.9 | 11,700* | 51.8 | 8,000* | 59.3 | 7,000* | 150 |
| 155 | | | | | 36.4 | 15,100* | | | 44.6 | 14,100* | 50.7 | 11,400* | 50.0 | 7,800* | 57.5 | 6,900* | 155 |
| 160 | | | | | 33.4 | 13,800* | | | 42.4 | 13,900* | 48.3 | 11,200* | 48.2 | 7,600* | 55.6 | 6,800* | 160 |
| 165 | | | | | 30.1 | 12,600* | | | 40.1 | 13,700* | 45.8 | 11,000* | 46.4 | 7,500* | 53.7 | 6,700* | 165 |
| 170 | | | | | | | | | 37.7 | 13,500* | 43.2 | 10,800* | 44.4 | 7,300* | 51.6 | 6,600* | 170 |
| 175 | | | | | | | | | 35.1 | 12,700* | 40.3 | 10,600* | 42.4 | 7,200* | 49.5 | 6,500* | 175 |
| 180 | | | | | | | | | 32.3 | 11,700* | | | 40.3 | 7,000* | 47.3 | 6,500* | 180 |
| 185 | | | | | | | | | | | | | 38.2 | 6,900* | 44.9 | 6,400* | 185 |
| 190 | | | | | | | | | | | | | 35.8 | 6,800* | 42.4 | 6,400* | 190 |
| 195 | | | | | | | | | | | | | 33.4 | 6,700* | | | 195 |
| 200 | | | | | | | | | | | | | 30.7 | 6,600* | | | 200 |
| Reeves | 2 | | 2 | | 2 | | 1 | | 1 | | 1 | | 1 | | 1 | | Reeves |

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

Unit: lbs

130' Boom

140' Boom

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

17



Fixed Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

150' Boom

| Load Radius (ft) | 40 ft Jib | | | | 60 ft Jib | | | | 80 ft Jib | | | | 100 ft Jib | | | | Load Radius (ft) |
|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|---------------------|
| | Offset Angle (deg.) | | | | Offset Angle (deg.) | | | | Offset Angle (deg.) | | | | Offset Angle (deg.) | | | | |
| | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | |
| | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | |
| 44 | 79.8 | 59,000* | | | | | | | | | | | | | | 44 | |
| 46 | 79.1 | 59,000* | | | | | | | | | | | | | | 46 | |
| 48 | 78.5 | 59,000* | | | | | | | | | | | | | | 48 | |
| 50 | 77.9 | 59,000* | | | 79.8 | 42,300* | | | | | | | | | | 50 | |
| 55 | 76.4 | 58,900* | | | 78.4 | 41,900* | | | | | | | | | | 55 | |
| 60 | 74.8 | 55,700 | 78.5 | 38,900* | 77.0 | 41,500* | | | 78.9 | 21,700* | | | 79.8 | 13,200* | | 60 | |
| 65 | 73.2 | 49,900 | 76.9 | 37,400* | 75.6 | 41,000* | | | 77.6 | 21,400* | | | 78.7 | 13,000* | | 65 | |
| 70 | 71.6 | 45,000 | 75.3 | 36,000* | 74.2 | 40,300* | 79.3 | 27,300* | 76.3 | 21,100* | | | 77.5 | 12,800* | | 70 | |
| 75 | 70.0 | 40,900 | 73.6 | 34,700* | 72.8 | 39,600* | 77.8 | 26,200* | 75.0 | 20,900* | | | 76.3 | 12,600* | | 75 | |
| 80 | 68.4 | 37,400 | 72.0 | 33,600* | 71.3 | 38,000 | 76.3 | 25,200* | 73.7 | 20,600* | 79.9 | 16,600* | 75.1 | 12,400* | | 80 | |
| 85 | 66.8 | 34,300 | 70.3 | 32,500* | 69.8 | 34,900 | 74.8 | 24,300* | 72.4 | 20,400* | 78.5 | 16,300* | 73.9 | 12,200* | | 85 | |
| 90 | 65.1 | 31,700 | 68.6 | 31,500* | 68.4 | 32,200 | 73.3 | 23,500* | 71.0 | 19,900* | 77.2 | 16,000* | 72.7 | 11,800* | 79.9 | 9,000* | |
| 95 | 63.4 | 29,300 | 66.9 | 30,200 | 66.9 | 29,800 | 71.7 | 22,700* | 69.7 | 19,400* | 75.8 | 15,800* | 71.5 | 11,500* | 78.7 | 8,800* | |
| 100 | 61.7 | 27,200 | 65.1 | 28,000 | 65.4 | 27,700 | 70.2 | 22,000* | 68.3 | 18,900* | 74.4 | 15,500* | 70.2 | 11,100* | 77.4 | 8,700* | |
| 105 | 59.9 | 25,300 | 63.3 | 26,100 | 63.8 | 25,800 | 68.6 | 21,300* | 67.0 | 18,400* | 73.0 | 15,300* | 69.0 | 10,800* | 76.1 | 8,500* | |
| 110 | 58.2 | 23,600 | 61.5 | 24,300 | 62.3 | 24,100 | 67.0 | 20,700* | 65.6 | 18,000* | 71.6 | 15,000* | 67.7 | 10,500* | 74.9 | 8,300* | |
| 115 | 56.3 | 22,100 | 59.6 | 22,700 | 60.7 | 22,600 | 65.4 | 20,100* | 64.2 | 17,600* | 70.1 | 14,800* | 66.5 | 10,200* | 73.6 | 8,200* | |
| 120 | 54.5 | 20,700 | 57.7 | 21,300 | 59.1 | 21,200 | 63.7 | 19,600* | 62.7 | 17,300* | 68.6 | 14,600* | 65.2 | 9,900* | 72.2 | 8,000* | |
| 125 | 52.6 | 19,400 | 55.7 | 20,000 | 57.4 | 19,900 | 62.0 | 19,100* | 61.3 | 16,900* | 67.1 | 14,200* | 63.9 | 9,700* | 70.9 | 7,800* | |
| 130 | 50.6 | 18,300 | 53.7 | 18,800 | 55.8 | 18,700 | 60.3 | 18,600* | 59.8 | 16,600* | 65.6 | 13,800* | 62.6 | 9,500* | 69.5 | 7,700* | |
| 135 | 48.6 | 17,200 | 51.6 | 17,600 | 54.0 | 17,600 | 58.5 | 18,200* | 58.3 | 16,200* | 64.1 | 13,500* | 61.3 | 9,200* | 68.2 | 7,600* | |
| 140 | 46.5 | 16,200 | 49.4 | 16,600 | 52.3 | 16,600 | 56.7 | 17,500* | 56.8 | 15,900* | 62.5 | 13,100* | 59.9 | 9,000* | 66.8 | 7,400* | |
| 145 | 44.3 | 15,300 | 47.2 | 15,600 | 50.5 | 15,700 | 54.8 | 16,600* | 55.3 | 15,600* | 60.9 | 12,800* | 58.5 | 8,800* | 65.4 | 7,300* | |
| 150 | 42.0 | 14,500 | 44.8 | 14,800 | 48.6 | 14,900 | 52.9 | 15,600* | 53.7 | 15,300* | 59.2 | 12,500* | 57.2 | 8,600* | 63.9 | 7,200* | |
| 155 | 39.7 | 13,500* | 42.3 | 13,900 | 46.7 | 14,100 | 50.9 | 14,800* | 52.1 | 14,600* | 57.6 | 12,300* | 55.7 | 8,400* | 62.5 | 7,100* | |
| 160 | 37.2 | 12,400* | | | 44.8 | 13,400 | 48.8 | 14,000* | 50.4 | 13,900 | 55.8 | 12,000* | 54.3 | 8,200* | 61.0 | 7,000* | |
| 165 | 34.5 | 11,300* | | | 42.7 | 12,600 | 46.7 | 13,300 | 48.7 | 13,200 | 54.0 | 11,800* | 52.8 | 8,000* | 59.4 | 6,900* | |
| 170 | 31.6 | 10,200* | | | 40.6 | 11,800* | 44.4 | 12,600* | 47.0 | 12,500 | 52.2 | 11,500* | 51.3 | 7,900* | 57.9 | 6,800* | |
| 175 | | | | | 38.3 | 10,900* | 42.0 | 11,900 | 45.1 | 11,900 | 50.3 | 11,300* | 49.8 | 7,700* | 56.3 | 6,700* | |
| 180 | | | | | 35.9 | 10,000* | | | 43.3 | 11,300 | 48.3 | 11,100* | 48.2 | 7,600* | 54.6 | 6,700* | |
| 185 | | | | | 33.4 | 9,100* | | | 41.3 | 10,800* | 46.2 | 11,000* | 46.6 | 7,400* | 52.9 | 6,800* | |
| 190 | | | | | 30.7 | 8,200* | | | 39.3 | 10,000* | 44.0 | 10,700* | 44.9 | 7,300* | 51.1 | 6,500* | |
| 195 | | | | | | | | | 37.1 | 9,200* | 41.7 | 10,100* | 43.2 | 7,200* | 49.3 | 6,500* | |
| 200 | | | | | | | | | 34.9 | 8,400* | | | 41.4 | 7,100* | 47.4 | 6,400* | |
| 205 | | | | | | | | | 32.4 | 7,700* | | | 39.5 | 7,000* | 45.4 | 6,400* | |
| 210 | | | | | | | | | | | | | 37.6 | 6,900* | 43.4 | 6,400* | |
| 215 | | | | | | | | | | | | | 35.6 | 6,800* | 41.1 | 6,300* | |
| 220 | | | | | | | | | | | | | 33.4 | 6,700* | | 220 | |
| 225 | | | | | | | | | | | | | 31.1 | 6,000* | | 225 | |
| Reeves | 2 | | 2 | | 2 | | 1 | | 1 | | 1 | | 1 | | 1 | Reeves | |

160' Boom

| Load Radius (ft) | 40 ft Jib | | | | 60 ft Jib | | | | 80 ft Jib | | | | 100 ft Jib | | | | Load Radius (ft) |
|------------------|---------------------|------------------|-------------------|------------------|---------------------|------------------|-------------------|------------------|---------------------|------------------|-------------------|------------------|---------------------|------------------|-------------------|------------------|------------------|
| | Offset Angle (deg.) | | | | Offset Angle (deg.) | | | | Offset Angle (deg.) | | | | Offset Angle (deg.) | | | | |
| | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | |
| | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | |
| 46 | 79.7 | 59,000* | | | | | | | | | | | | | | | 46 |
| 48 | 79.1 | 59,000* | | | | | | | | | | | | | | | 48 |
| 50 | 78.5 | 59,000* | | | | | | | | | | | | | | | 50 |
| 55 | 77.1 | 59,000* | | | 79.0 | 42,000* | | | 79.3 | 21,800* | | | 79.1 | 13,000* | | | 55 |
| 60 | 75.6 | 55,400 | 79.1 | 39,500* | 77.6 | 41,600* | | | 78.1 | 21,500* | | | | | | | 60 |
| 65 | 74.1 | 49,600 | 77.6 | 38,000* | 76.3 | 41,200* | | | 76.9 | 21,200* | | | | | | | 65 |
| 70 | 72.6 | 44,700 | 76.0 | 36,600* | 74.9 | 40,600* | 79.8 | 27,700* | 75.6 | 21,000* | | | 78.0 | 12,800* | | | 70 |
| 75 | 71.1 | 40,600 | 74.5 | 35,400* | 73.6 | 39,900* | 78.4 | 26,600* | 74.4 | 20,700* | | | 76.8 | 12,600* | | | 75 |
| 80 | 69.5 | 37,100 | 72.9 | 34,200* | 72.2 | 37,700 | 77.0 | 25,600* | 74.4 | 20,700* | | | 74.5 | 12,400* | | | 80 |
| 85 | 68.0 | 34,100 | 71.4 | 33,100* | 70.8 | 34,600 | 75.5 | 24,800* | 73.1 | 20,500* | 79.1 | 16,400* | 74.5 | 12,300* | | | 85 |
| 90 | 66.4 | 31,400 | 69.8 | 32,100* | 69.4 | 31,900 | 74.1 | 23,900* | 71.9 | 20,200* | 77.8 | 16,200* | 73.4 | 12,000* | | | 90 |
| 95 | 64.8 | 29,000 | 68.1 | 30,000 | 68.0 | 29,500 | 72.7 | 23,100* | 70.6 | 19,700* | 76.4 | 15,900* | 72.2 | 11,700* | 79.2 | 8,900* | 95 |
| 100 | 63.2 | 26,900 | 66.5 | 27,800 | 66.6 | 27,400 | 71.2 | 22,400* | 69.3 | 19,200* | 75.1 | 15,600* | 71.0 | 11,300* | 77.9 | 8,700* | 100 |
| 105 | 61.6 | 25,000 | 64.8 | 25,800 | 65.1 | 25,500 | 69.7 | 21,800* | 68.0 | 18,800* | 73.8 | 15,400* | 69.8 | 11,000* | 76.7 | 8,500* | 105 |
| 110 | 59.9 | 23,300 | 63.1 | 24,000 | 63.7 | 23,800 | 68.2 | 21,100* | 66.7 | 18,400* | 72.4 | 15,200* | 68.7 | 10,700* | 75.5 | 8,400* | 110 |
| 115 | 58.3 | 21,800 | 61.4 | 22,500 | 62.2 | 22,300 | 66.7 | 20,500* | 65.3 | 17,900* | 71.1 | 14,900* | 67.4 | 10,400* | 74.3 | 8,200* | 115 |
| 120 | 56.5 | 20,400 | 59.6 | 21,000 | 60.7 | 20,900 | 65.1 | 20,000* | 64.0 | 17,600* | 69.7 | 14,700* | 66.2 | 10,100* | 73.0 | 8,100* | 120 |
| 125 | 54.8 | 19,100 | 57.8 | 19,700 | 59.1 | 19,600 | 63.5 | 19,500* | 62.6 | 17,200* | 68.3 | 14,500* | 65.0 | 9,900* | 71.7 | 7,900* | 125 |
| 130 | 53.0 | 17,900 | 56.0 | 18,500 | 57.6 | 18,400 | 61.9 | 19,000* | 61.2 | 16,900* | 66.8 | 14,100* | 63.7 | 9,700* | 70.5 | 7,800* | 130 |
| 135 | 51.1 | 16,900 | 54.1 | 17,400 | 56.0 | 17,300 | 60.3 | 18,400 | 59.8 | 16,500* | 65.4 | 13,800* | 62.5 | 9,400* | 69.2 | 7,600* | 135 |
| 140 | 49.2 | 15,900 | 52.1 | 16,300 | 54.3 | 16,300 | 58.6 | 17,300 | 58.4 | 16,200* | 63.9 | 13,400* | 61.2 | 9,200* | 67.8 | 7,500* | 140 |
| 145 | 47.2 | 15,000 | 50.1 | 15,400 | 52.7 | 15,400 | 56.9 | 16,300 | 57.0 | 15,900* | 62.4 | 13,100* | 59.9 | 9,000* | 66.5 | 7,400* | 145 |
| 150 | 45.2 | 14,100 | 48.0 | 14,500 | 51.0 | 14,500 | 55.1 | 15,400 | 55.5 | 15,100 | 60.8 | 12,800* | 58.6 | 8,800* | 65.1 | 7,300* | 150 |
| 155 | 43.1 | 13,400 | 45.8 | 13,700 | 49.2 | 13,800 | 53.3 | 14,600 | 54.0 | 14,300 | 59.3 | 12,500* | 57.3 | 8,600* | 63.8 | 7,200* | 155 |
| 160 | 40.9 | 12,400* | 43.5 | 12,900 | 47.4 | 13,000 | 51.4 | 13,800 | 52.4 | 13,600 | 57.7 | 12,300* | 55.9 | 8,400* | 62.4 | 7,100* | 160 |
| 165 | 38.6 | 11,400* | 41.1 | 12,000* | 45.6 | 12,300 | 49.5 | 13,000 | 50.9 | 12,900 | 56.0 | 12,000* | 54.5 | 8,200* | 60.9 | 7,000* | 165 |
| 170 | 36.2 | 10,400* | | | 43.6 | 11,600* | 47.5 | 12,300 | 49.2 | 12,200 | 54.3 | 11,800* | 53.1 | 8,100* | 59.5 | 6,900* | 170 |
| 175 | 33.6 | 9,400* | | | 41.6 | 10,800* | 45.4 | 11,700* | 47.6 | 11,600 | 52.6 | 11,600* | 51.7 | 7,900* | 58.0 | 6,800* | 175 |
| 180 | 30.7 | 8,500* | | | 39.6 | 9,900* | 43.1 | 11,000 | 45.9 | 11,000 | 50.8 | 11,400* | 50.2 | 7,800* | 56.4 | 6,700* | 180 |
| 185 | | | | | 37.4 | 9,100* | 40.8 | 10,300* | 44.1 | 10,400 | 48.9 | 11,000 | 48.7 | 7,600* | 54.9 | 6,700* | 185 |
| 190 | | | | | 35.0 | 8,300* | | | 42.3 | 9,800* | 47.0 | 10,400 | 47.2 | 7,500* | 53.2 | 6,600* | 190 |
| 195 | | | | | 32.6 | 7,500* | | | 40.4 | 9,100* | 45.0 | 9,900 | 45.6 | 7,400* | 51.6 | 6,500* | 195 |
| 200 | | | | | | | | | 38.4 | 8,400* | 42.8 | 9,300* | 44.0 | 7,200* | 49.9 | 6,500* | 200 |
| 205 | | | | | | | | | 36.3 | 7,700* | | 8,500* | 42.3 | 7,100* | 48.1 | 6,400* | 205 |
| 210 | | | | | | | | | 34.1 | 7,000* | | | 40.5 | 7,000* | 46.2 | 6,400* | 210 |
| 215 | | | | | | | | | 31.7 | 6,300* | | | 38.7 | 6,900* | 44.3 | 6,400* | 215 |
| 220 | | | | | | | | | | | | | 36.8 | 6,600* | 42.2 | 6,300* | 220 |
| 225 | | | | | | | | | | | | | 34.8 | 6,000* | 40.1 | 6,300* | 225 |
| 230 | | | | | | | | | | | | | 32.7 | 5,400* | | | 230 |
| 235 | | | | | | | | | | | | | 30.4 | 4,800* | | | 235 |
| Reeves | 2 | | 2 | | 2 | | 1 | | 1 | | 1 | | 1 | | 1 | | Reeves |

LIFTING CAPACITY



Fixed Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

170' Boom

| Load Radius (ft) | 40 ft Jib | | | | 60 ft Jib | | | | 80 ft Jib | | | | 100 ft Jib | | | | Load Radius (ft) |
|------------------|---------------------|------------------|-------------------|------------------|---------------------|------------------|-------------------|------------------|---------------------|------------------|-------------------|------------------|---------------------|------------------|-------------------|------------------|------------------|
| | Offset Angle (deg.) | | | | Offset Angle (deg.) | | | | Offset Angle (deg.) | | | | Offset Angle (deg.) | | | | |
| | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | |
| | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | |
| 48 | 79.6 | 59,000* | | | | | | | | | | | | | | | 48 |
| 50 | 79.1 | 59,000* | | | | | | | | | | | | | | | 50 |
| 55 | 77.7 | 59,000* | | | 79.5 | 42,100* | | | 79.8 | 21,800* | | | | | | | 55 |
| 60 | 76.3 | 55,100 | 79.6 | 40,000* | 78.2 | 41,700* | | | | 21,600* | | | 79.5 | 13,100* | | | 60 |
| 65 | 74.9 | 49,300 | 78.2 | 38,600* | 76.9 | 41,400* | | | 78.6 | 21,300* | | | 78.4 | 12,900* | | | 65 |
| 70 | 73.4 | 44,400 | 76.7 | 37,200* | 75.6 | 40,900* | | | 77.4 | 21,100* | | | 77.3 | 12,700* | | | 70 |
| 75 | 72.0 | 40,300 | 75.3 | 36,000* | 74.3 | 40,200* | | | 76.2 | 21,000* | | | 76.2 | 12,500* | | | 75 |
| 80 | 70.6 | 36,800 | 73.8 | 34,800* | 73.0 | 37,400 | 78.9 | 27,000* | 75.0 | 20,800* | | | 75.1 | 12,300* | | | 80 |
| 85 | 69.1 | 33,700 | 72.3 | 33,700* | 71.7 | 34,300 | 77.6 | 26,000* | 73.8 | 20,600* | 79.5 | 16,500* | 75.1 | 12,300* | | | 85 |
| 90 | 67.6 | 31,000 | 70.8 | 32,100 | 70.4 | 31,600 | 76.2 | 25,100* | 72.6 | 20,400* | 78.3 | 16,200* | 74.0 | 12,200* | | | 90 |
| 95 | 66.1 | 28,700 | 69.3 | 29,700 | 69.0 | 29,200 | 74.9 | 24,300* | 71.4 | 20,000* | 77.0 | 16,000* | 72.9 | 11,900* | 79.6 | 8,900* | 95 |
| 100 | 64.6 | 26,500 | 67.7 | 27,500 | 67.7 | 27,100 | 73.5 | 23,500* | 70.2 | 19,500* | 75.8 | 15,700* | 71.8 | 11,500* | 78.4 | 8,800* | 100 |
| 105 | 63.1 | 24,700 | 66.2 | 25,500 | 66.3 | 25,200 | 72.1 | 22,800* | 68.9 | 19,100* | 74.5 | 15,500* | 70.6 | 11,200* | 77.3 | 8,600* | 105 |
| 110 | 61.5 | 23,000 | 64.6 | 23,800 | 64.9 | 23,500 | 69.3 | 21,600* | 67.7 | 18,600* | 73.2 | 15,300* | 69.5 | 10,900* | 76.1 | 8,400* | 110 |
| 115 | 59.9 | 21,400 | 63.0 | 22,200 | 63.5 | 21,900 | 67.8 | 21,000* | 66.4 | 18,200* | 71.9 | 15,100* | 68.3 | 10,600* | 74.9 | 8,300* | 115 |
| 120 | 58.3 | 20,000 | 61.3 | 20,700 | 62.1 | 20,500 | 66.4 | 20,400* | 65.1 | 17,900* | 70.6 | 14,900* | 67.2 | 10,300* | 73.7 | 8,100* | 120 |
| 125 | 56.7 | 18,800 | 59.6 | 19,400 | 60.6 | 19,200 | 64.9 | 19,900* | 63.8 | 17,500* | 69.3 | 14,700* | 66.0 | 10,100* | 72.5 | 8,000* | 125 |
| 130 | 55.0 | 17,600 | 57.9 | 18,200 | 59.2 | 18,000 | 63.4 | 19,200 | 62.5 | 17,200* | 67.9 | 14,400* | 64.8 | 9,800* | 71.3 | 7,800* | 130 |
| 135 | 53.3 | 16,500 | 56.2 | 17,000 | 57.7 | 17,000 | 61.8 | 18,100 | 61.2 | 16,800* | 66.5 | 14,000* | 63.6 | 9,600* | 70.0 | 7,700* | 135 |
| 140 | 51.6 | 15,500 | 54.4 | 16,000 | 56.1 | 16,000 | 60.3 | 17,000 | 59.9 | 16,500* | 65.1 | 13,700* | 62.4 | 9,400* | 68.8 | 7,600* | 140 |
| 145 | 49.8 | 14,600 | 52.5 | 15,100 | 54.6 | 15,000 | 58.7 | 16,000 | 58.5 | 15,700 | 63.7 | 13,400* | 61.2 | 9,200* | 67.5 | 7,500* | 145 |
| 150 | 47.9 | 13,800 | 50.6 | 14,200 | 53.0 | 14,200 | 57.0 | 15,100 | 57.1 | 14,800 | 62.3 | 13,100* | 59.9 | 9,000* | 66.2 | 7,400* | 150 |
| 155 | 46.0 | 13,000 | 48.7 | 13,300 | 51.4 | 13,400 | 55.4 | 14,300 | 55.7 | 14,000 | 60.8 | 12,800* | 58.7 | 8,800* | 64.9 | 7,300* | 155 |
| 160 | 44.0 | 12,200* | 46.6 | 12,600 | 49.7 | 12,600 | 53.6 | 13,500 | 54.2 | 13,200 | 59.3 | 12,500* | 57.4 | 8,600* | 63.6 | 7,200* | 160 |
| 165 | 42.0 | 11,200* | 44.5 | 11,800* | 48.0 | 11,900 | 51.9 | 12,700 | 52.8 | 12,500 | 57.8 | 12,300* | 56.1 | 8,400* | 62.3 | 7,100* | 165 |
| 170 | 39.8 | 10,300* | 42.3 | 10,900* | 46.3 | 11,300* | 50.0 | 12,000 | 51.3 | 11,900 | 56.2 | 12,000* | 54.7 | 8,200* | 60.9 | 7,000* | 170 |
| 175 | 37.6 | 9,400* | | | 44.5 | 10,500* | 48.1 | 11,400 | 49.7 | 11,200 | 54.6 | 11,800* | 53.4 | 8,000* | 59.5 | 6,900* | 175 |
| 180 | 35.2 | 8,500* | | | 42.6 | 9,700* | 46.2 | 10,800 | 48.1 | 10,700 | 53.0 | 11,300 | 52.0 | 7,900* | 58.1 | 6,800* | 180 |
| 185 | 32.7 | 7,700* | | | 40.6 | 8,900* | 44.1 | 10,200 | 46.5 | 10,100 | 51.3 | 10,700 | 50.6 | 7,800* | 56.6 | 6,700* | 185 |
| 190 | 30.0 | 6,800* | | | 38.6 | 8,200* | 42.0 | 9,300* | 44.8 | 9,500* | 49.5 | 10,200 | 49.2 | 7,600* | 55.1 | 6,700* | 190 |
| 195 | | | | | 36.5 | 7,500* | | | 43.1 | 8,800* | 47.7 | 9,600* | 47.7 | 7,500* | 53.6 | 6,600* | 195 |
| 200 | | | | | 34.2 | 6,800* | | | 41.3 | 8,200* | 45.8 | 9,100* | 46.2 | 7,400* | 52.0 | 6,500* | 200 |
| 205 | | | | | 31.8 | 6,000* | | | 39.5 | 7,500* | 43.8 | 8,400* | 44.7 | 7,300* | 50.3 | 6,400* | 205 |
| 210 | | | | | | | | | 37.5 | 6,900* | | | 43.1 | 7,200* | 48.7 | 6,400* | 210 |
| 215 | | | | | | | | | 35.5 | 6,200* | | | 41.4 | 6,900* | 46.9 | 6,400* | 215 |
| 220 | | | | | | | | | 33.3 | 5,600* | | | 39.7 | 6,400* | 45.1 | 6,400* | 220 |
| 225 | | | | | | | | | 31.0 | 4,900* | | | 37.9 | 5,800* | 43.2 | 6,300* | 225 |
| 230 | | | | | | | | | | | | | 36.0 | 5,300* | 41.2 | 6,300* | 230 |
| 235 | | | | | | | | | | | | | 34.1 | 4,700* | | | 235 |
| 240 | | | | | | | | | | | | | 32.0 | 4,200* | | | 240 |
| Reeves | 2 | | 2 | | 2 | | 1 | | 1 | | 1 | | 1 | | 1 | | Reeves |

180' Boom

| Load Radius (ft) | 40 ft Jib | | | | 60 ft Jib | | | | 80 ft Jib | | | | 100 ft Jib | | | | Load Radius (ft) |
|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|-------------------|------------------|------------------|
| | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | | | |
| | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | |
| | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | |
| 50 | 79.6 | 59,000* | | | 79.9 | 42,300* | | | | | | | | | | | 50 |
| 55 | 78.3 | 59,000* | | | 78.7 | 41,900* | | | | | | | | | | | 55 |
| 60 | 76.9 | 54,700 | | | 77.5 | 41,500* | | | 79.1 | 21,600* | | | 79.9 | 13,200* | | | 60 |
| 65 | 75.6 | 48,800 | 78.8 | 39,100* | 76.2 | 41,200* | | | 77.9 | 21,400* | | | 78.8 | 13,000* | | | 65 |
| 70 | 74.2 | 44,000 | 77.4 | 37,700* | 75.0 | 40,500* | 79.4 | 27,400* | 76.8 | 21,200* | | | 77.8 | 12,800* | | | 70 |
| 75 | 72.9 | 39,900 | 76.0 | 36,500* | 73.7 | 37,000 | 78.1 | 26,400* | 75.6 | 20,900* | | | 76.7 | 12,600* | | | 75 |
| 80 | 71.5 | 36,300 | 74.6 | 35,400* | 72.5 | 33,900 | 76.8 | 25,500* | 74.5 | 20,700* | 80.0 | 16,600* | 75.7 | 12,400* | | | 80 |
| 85 | 70.1 | 33,300 | 73.2 | 34,300* | 71.2 | 31,200 | 75.5 | 24,700* | 73.3 | 20,500* | 78.8 | 16,300* | 74.6 | 12,200* | | | 85 |
| 90 | 68.7 | 30,600 | 71.8 | 31,800 | 70.2 | 28,800 | 74.2 | 23,900* | 72.2 | 20,300* | 77.6 | 16,100* | 73.5 | 12,000* | 80.0 | 9,000* | 90 |
| 95 | 67.3 | 28,200 | 70.3 | 29,300 | 69.9 | 28,800 | 72.9 | 23,200* | 71.0 | 19,800* | 76.4 | 15,800* | 72.4 | 11,700* | 78.9 | 8,800* | 95 |
| 100 | 65.9 | 26,100 | 68.9 | 27,100 | 68.6 | 26,600 | 72.9 | 23,200* | 71.0 | 19,800* | 76.4 | 15,800* | 72.4 | 11,700* | 78.9 | 8,800* | 100 |
| 105 | 64.4 | 24,200 | 67.4 | 25,100 | 67.3 | 24,800 | 71.6 | 22,600* | 69.8 | 19,400* | 75.2 | 15,600* | 71.4 | 11,400* | 77.8 | 8,700* | 105 |
| 110 | 62.9 | 22,500 | 65.9 | 23,400 | 66.0 | 23,000 | 70.2 | 22,000* | 68.6 | 18,900* | 73.9 | 15,400* | 70.3 | 11,100* | 76.6 | 8,500* | 110 |
| 115 | 61.5 | 21,000 | 64.4 | 21,800 | 64.7 | 21,500 | 68.9 | 21,400* | 67.4 | 18,500* | 72.7 | 15,200* | 69.2 | 10,800* | 75.5 | 8,300* | 115 |
| 120 | 59.9 | 19,600 | 62.8 | 20,300 | 63.3 | 20,100 | 67.5 | 20,800* | 66.2 | 18,200* | 71.4 | 15,000* | 68.0 | 10,500* | 74.4 | 8,200* | 120 |
| 125 | 58.4 | 18,300 | 61.3 | 19,000 | 62.0 | 18,800 | 66.1 | 20,100 | 64.9 | 17,800* | 70.2 | 14,800* | 66.9 | 10,300* | 73.2 | 8,000* | 125 |
| 130 | 56.8 | 17,100 | 59.7 | 17,800 | 60.6 | 17,600 | 64.7 | 18,900 | 63.7 | 17,500* | 68.9 | 14,600* | 65.8 | 10,000* | 72.0 | 7,900* | 130 |
| 135 | 55.3 | 16,000 | 58.0 | 16,600 | 59.2 | 16,500 | 63.2 | 17,700 | 62.4 | 17,100* | 67.6 | 14,300* | 64.6 | 9,800* | 70.9 | 7,800* | 135 |
| 140 | 53.6 | 15,100 | 56.4 | 15,600 | 57.8 | 15,500 | 61.7 | 16,700 | 61.1 | 16,200 | 66.3 | 13,900* | 63.5 | 9,600* | 69.7 | 7,700* | 140 |
| 145 | 52.0 | 14,100 | 54.7 | 14,600 | 56.3 | 14,600 | 60.2 | 15,700 | 59.9 | 15,200 | 64.9 | 13,600* | 62.3 | 9,300* | 68.5 | 7,600* | 145 |
| 150 | 50.3 | 13,300 | 52.9 | 13,800 | 54.8 | 13,700 | 58.7 | 14,800 | 58.5 | 14,400 | 63.6 | 13,300* | 61.1 | 9,100* | 67.2 | 7,400* | 150 |
| 155 | 48.5 | 12,500 | 51.1 | 12,900 | 53.3 | 12,900 | 57.2 | 13,900 | 57.2 | 13,600 | 62.2 | 13,000* | 59.9 | 8,900* | 66.0 | 7,300* | 155 |
| 160 | 46.7 | 11,600* | 49.3 | 12,100 | 51.8 | 12,200 | 55.6 | 13,100 | 55.8 | 12,800 | 60.8 | 12,800* | 58.7 | 8,800* | 64.7 | 7,200* | 160 |
| 165 | 44.9 | 10,800* | 47.3 | 11,300* | 50.2 | 11,500 | 53.9 | 12,300 | 54.5 | 12,100 | 59.3 | 12,500* | 57.5 | 8,600* | 63.5 | 7,100* | 165 |
| 170 | 42.9 | 9,900* | 45.3 | 10,500* | 48.6 | 10,700* | 52.3 | 11,700 | 53.1 | 11,400 | 57.9 | 12,300 | 56.2 | 8,400* | 62.2 | 7,000* | 170 |
| 175 | 40.9 | 9,100* | 43.3 | 9,600* | 46.9 | 9,900* | 50.5 | 11,000 | 51.6 | 10,800 | 56.4 | 11,600 | 54.9 | 8,300* | 60.8 | 7,000* | 175 |
| 180 | 38.9 | 8,200* | 41.1 | 8,800* | 45.2 | 9,200* | 48.7 | 10,400 | 50.1 | 10,200 | 54.9 | 11,000 | 53.6 | 8,100* | 59.5 | 6,900* | 180 |
| 185 | 36.7 | 7,400* | | | 43.4 | 8,500* | 46.9 | 9,700* | 48.6 | 9,700* | 53.3 | 10,400 | 52.3 | 8,000* | 58.1 | 6,800* | 185 |
| 190 | 34.4 | 6,700* | | | 41.6 | 7,800* | 45.0 | 9,000* | 47.1 | 9,000* | 51.7 | 9,800 | 51.0 | 7,800* | 56.1 | 6,700* | 190 |
| 195 | 31.9 | 5,900* | | | 39.7 | 7,100* | 43.0 | 8,200* | 45.5 | 8,300* | 50.0 | 9,300 | 49.0 | 7,600* | 54.3 | 6,600* | 195 |
| 200 | | | | | 37.7 | 6,400* | 40.9 | 7,500* | 43.9 | 7,700* | 48.3 | 8,600* | 48.2 | 7,500* | 53.8 | 6,500* | 200 |
| 205 | | | | | 35.6 | 5,800* | | | 42.2 | 7,100* | 46.5 | 8,000* | 46.8 | 7,400* | 52.3 | 6,500* | 205 |
| 210 | | | | | 33.4 | 5,100* | | | 40.4 | 6,500* | 44.6 | 7,400* | 45.3 | 7,000* | 50.8 | 6,500* | 210 |
| 215 | | | | | 31.1 | 4,500* | | | 38.6 | 5,900* | 42.7 | 6,700* | 43.8 | 6,500* | 49.2 | 6,500* | 215 |
| 220 | | | | | | | | | 36.7 | 5,300* | 40.6 | 6,100* | 42.2 | 5,900* | 47.5 | 6,400* | 220 |
| 225 | | | | | | | | | 34.7 | 4,700* | | | 40.6 | 5,400* | 45.8 | 6,400* | 225 |
| 230 | | | | | | | | | 32.6 | 4,100* | | | 38.9 | 4,900* | 44.0 | 5,900* | 230 |
| 235 | | | | | | | | | | | | | 37.2 | 4,400* | 42.1 | 5,400* | 235 |
| 240 | | | | | | | | | | | | | | | 40.2 | 4,800* | 240 |
| Reeves | 2 | | 2 | | 2 | | 1 | | 1 | | 1 | | 1 | | 1 | | Reeves |



Fixed Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

190' Boom

| Load Radius (ft) | 40 ft Jib | | | | 60 ft Jib | | | | 80 ft Jib | | | | 100 ft Jib | | | | Load Radius (ft) |
|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|-------------------|------------------|------------------|
| | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | | | |
| | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | |
| | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | |
| 50 | 80.0 | 53,100* | | | | | | | | | | | | | | | 50 |
| 55 | 78.8 | 52,400* | | | | | | | | | | | | | | | 55 |
| 60 | 77.5 | 51,600* | | | | | | | | | | | | | | | 60 |
| 65 | 76.2 | 48,300* | 79.3 | 39,600* | 79.1 | 42,000* | | | 79.5 | 21,700* | | | 79.2 | 13,000* | | | 65 |
| 70 | 74.9 | 43,600 | 78.0 | 38,200* | 76.8 | 41,300* | | | 77.3 | 21,200* | | | 78.2 | 12,800* | | | 70 |
| 75 | 73.6 | 39,500 | 76.6 | 37,000* | 75.6 | 40,000* | 79.9 | 27,700* | 76.2 | 21,000* | | | 77.2 | 12,600* | | | 75 |
| 80 | 72.3 | 36,000 | 75.3 | 35,900* | 74.4 | 36,600 | 77.4 | 25,900* | 75.1 | 20,800* | | | 76.2 | 12,500* | | | 80 |
| 85 | 71.0 | 32,900 | 74.0 | 34,300 | 73.2 | 33,500 | 77.4 | 25,100* | 74.0 | 20,600* | 79.2 | 16,400* | 75.2 | 12,300* | | | 85 |
| 90 | 69.7 | 30,200 | 72.6 | 31,500 | 72.0 | 30,800 | 76.2 | 25,000* | 72.8 | 20,400* | 78.1 | 16,200* | 74.1 | 12,100* | | | 90 |
| 95 | 68.3 | 27,800 | 71.2 | 29,000 | 70.8 | 28,400 | 74.9 | 24,300* | 70.6 | 19,600* | 76.9 | 15,900* | 73.1 | 11,900* | 79.3 | 8,900* | 95 |
| 100 | 67.0 | 25,700 | 69.9 | 26,800 | 69.5 | 26,300 | 73.7 | 23,600* | 71.7 | 20,100* | 75.8 | 15,700* | 72.0 | 11,600* | 78.2 | 8,700* | 100 |
| 105 | 65.6 | 23,800 | 68.5 | 24,800 | 68.3 | 24,400 | 72.4 | 22,900* | 70.6 | 19,600* | 74.6 | 15,500* | 71.0 | 11,300* | 77.1 | 8,500* | 105 |
| 110 | 64.2 | 22,100 | 67.1 | 23,100 | 67.1 | 22,700 | 71.1 | 22,300* | 69.4 | 19,200* | 73.4 | 15,300* | 69.9 | 11,000* | 76.1 | 8,400* | 110 |
| 115 | 62.8 | 20,600 | 65.6 | 21,400 | 65.8 | 21,100 | 69.8 | 21,700* | 68.3 | 18,800* | 72.2 | 15,100* | 68.8 | 10,700* | 75.0 | 8,200* | 115 |
| 120 | 61.4 | 19,200 | 64.2 | 20,000 | 64.5 | 19,700 | 68.5 | 21,200* | 67.1 | 18,400* | 71.0 | 14,900* | 67.8 | 10,400* | 73.8 | 8,100* | 120 |
| 125 | 59.9 | 17,900 | 62.7 | 18,600 | 63.2 | 18,400 | 67.2 | 19,900 | 65.9 | 18,100* | 70.0 | 14,700* | 66.7 | 10,200* | 72.7 | 8,000* | 125 |
| 130 | 58.5 | 16,700 | 61.2 | 17,400 | 61.9 | 17,200 | 65.8 | 18,600 | 64.8 | 17,700* | 69.8 | 14,500* | 65.6 | 10,000* | 71.6 | 7,800* | 130 |
| 135 | 57.0 | 15,700 | 59.7 | 16,300 | 60.6 | 16,100 | 64.5 | 17,400 | 63.6 | 16,900 | 68.5 | 14,300* | 64.5 | 9,700* | 70.5 | 7,700* | 135 |
| 140 | 55.5 | 14,700 | 58.1 | 15,200 | 59.2 | 15,100 | 63.1 | 16,400 | 62.3 | 15,800 | 67.3 | 14,200* | 63.4 | 9,500* | 69.3 | 7,600* | 140 |
| 145 | 53.9 | 13,800 | 56.5 | 14,300 | 57.9 | 14,200 | 61.7 | 15,400 | 61.1 | 14,900 | 66.0 | 13,800* | 62.2 | 9,300* | 68.1 | 7,500* | 145 |
| 150 | 52.3 | 12,900 | 54.9 | 13,400 | 56.5 | 13,300 | 60.2 | 14,500 | 59.9 | 14,000 | 64.7 | 13,600* | 61.1 | 9,100* | 67.0 | 7,400* | 150 |
| 155 | 50.7 | 12,100* | 53.3 | 12,600 | 55.0 | 12,500 | 58.8 | 13,600 | 58.6 | 13,200 | 63.4 | 13,300* | 60.0 | 8,900* | 65.8 | 7,300* | 155 |
| 160 | 49.1 | 11,200* | 51.6 | 11,800 | 53.6 | 11,800 | 57.3 | 12,800 | 57.3 | 12,500 | 62.1 | 13,000* | 58.9 | 8,700* | 64.6 | 7,200* | 160 |
| 165 | 47.4 | 10,300* | 49.8 | 10,900 | 52.1 | 11,000* | 55.8 | 12,000 | 56.0 | 11,700 | 60.7 | 12,700 | 57.7 | 8,600* | 63.3 | 7,100* | 165 |
| 170 | 45.6 | 9,500* | 48.0 | 10,100* | 50.6 | 10,200* | 54.2 | 11,300 | 54.7 | 11,100 | 59.4 | 12,000 | 56.4 | 8,400* | 62.1 | 7,000* | 170 |
| 175 | 43.8 | 8,700* | 46.1 | 9,300* | 49.1 | 9,500* | 52.6 | 10,700 | 53.3 | 10,400 | 58.0 | 11,300 | 55.1 | 8,300* | 60.8 | 6,900* | 175 |
| 180 | 41.9 | 8,000* | 44.2 | 8,500* | 47.5 | 8,800* | 51.0 | 10,000 | 52.0 | 9,800 | 56.5 | 10,700 | 53.9 | 8,100* | 59.5 | 6,800* | 180 |
| 185 | 40.0 | 7,200* | 42.2 | 7,700* | 45.9 | 8,100* | 49.3 | 9,400 | 50.6 | 9,200* | 55.1 | 10,100 | 52.6 | 8,000* | 58.2 | 6,700* | 185 |
| 190 | 37.9 | 6,500* | 40.0 | 7,000* | 44.2 | 7,400* | 47.6 | 8,700* | 49.1 | 8,500* | 53.6 | 9,500 | 51.3 | 7,800* | 56.9 | 6,600* | 190 |
| 195 | 35.8 | 5,700* | | | 42.5 | 6,800* | 45.7 | 8,000* | 47.6 | 7,900* | 52.0 | 8,900 | 50.0 | 7,700* | 55.5 | 6,500* | 195 |
| 200 | 33.6 | 5,000* | | | 40.7 | 6,100* | 43.9 | 7,300* | 46.1 | 7,300* | 50.5 | 8,300* | 48.7 | 7,600* | 54.1 | 6,400* | 200 |
| 205 | 31.1 | 4,300* | | | 38.8 | 5,500* | 41.9 | 6,600* | 44.6 | 6,700* | 48.8 | 7,800* | 47.3 | 7,500* | 52.7 | 6,300* | 205 |
| 210 | | | | | 36.9 | 4,900* | | | 43.0 | 6,100* | 47.1 | 7,000* | 46.0 | 7,400* | 51.2 | 6,200* | 210 |
| 215 | | | | | 34.9 | 4,300* | | | 41.3 | 5,600* | 45.4 | 6,400* | 44.4 | 7,300* | 50.0 | 6,100* | 215 |
| 220 | | | | | | | | | 39.6 | 5,000* | 43.6 | 5,900* | 42.9 | 7,200* | 48.7 | 6,000* | 220 |
| 225 | | | | | | | | | 37.8 | 4,500* | 41.7 | 5,300* | 41.4 | 7,100* | 47.1 | 5,900* | 225 |
| 230 | | | | | | | | | | | | | 39.8 | 6,900* | 45.5 | 5,800* | 230 |
| 235 | | | | | | | | | | | | | | 6,800* | 44.2 | 5,700* | 235 |
| 240 | | | | | | | | | | | | | | 6,700* | 43.0 | 5,600* | 240 |
| 245 | | | | | | | | | | | | | | 6,600* | 41.2 | 5,500* | 245 |
| Reeves | 2 | | 2 | | 2 | | 1 | | 1 | | 1 | | 1 | | 1 | | Reeves |

200' Boom

| Load Radius (ft) | 40 ft Jib | | | | 60 ft Jib | | | | 80 ft Jib | | | | 100 ft Jib | | | | Load Radius (ft) |
|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|-------------------|------------------|------------------|
| | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | Offset Angle (deg.) | | | | |
| | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | 10 | | 30 | | |
| | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | Boom Angle (deg.) | Rated Load (lbs) | |
| 55 | 79.2 | 46,200* | | | 79.6 | 42,100* | | | | | | | | | | | 55 |
| 60 | 78.0 | 45,500* | | | | | | | | | | | | | | | 60 |
| 65 | 76.8 | 44,700* | 79.7 | 40,000* | 78.4 | 41,700* | | | 79.8 | 21,800* | | | 79.6 | 13,100* | | | 65 |
| 70 | 75.6 | 42,900* | 78.5 | 38,700* | 77.3 | 41,400* | | | 78.8 | 21,600* | | | 78.6 | 12,900* | | | 70 |
| 75 | 74.3 | 39,100* | 77.2 | 37,500* | 76.2 | 39,200* | | | 77.7 | 21,300* | | | 77.6 | 12,700* | | | 75 |
| 80 | 73.1 | 35,700 | 76.0 | 36,400* | 75.0 | 35,900* | 79.1 | 27,100* | 76.7 | 21,100* | | | 77.6 | 12,500* | | | 80 |
| 85 | 71.8 | 32,600 | 74.7 | 33,800* | 73.9 | 33,000* | 77.9 | 26,200* | 75.6 | 20,900* | | | 76.7 | 12,300* | | | 85 |
| 90 | 70.6 | 30,000 | 73.4 | 31,100* | 72.7 | 30,400* | 76.7 | 25,400* | 74.6 | 20,700* | 79.6 | 16,500* | 75.7 | 12,400* | | | 90 |
| 95 | 69.3 | 27,600 | 72.1 | 28,800 | 71.6 | 28,100* | 75.5 | 24,700* | 73.5 | 20,500* | 78.5 | 16,200* | 74.7 | 12,200* | | | 95 |
| 100 | 68.0 | 25,500 | 70.8 | 26,600 | 70.4 | 26,000 | 74.3 | 24,000* | 72.4 | 20,300* | 77.4 | 16,000* | 73.7 | 12,100* | 79.7 | 8,900* | 100 |
| 105 | 66.7 | 23,600 | 69.5 | 24,600 | 69.2 | 24,100 | 73.1 | 23,300* | 71.3 | 19,900* | 76.3 | 15,800* | 72.7 | 11,700* | 78.6 | 8,700* | 105 |
| 110 | 65.4 | 21,800 | 68.1 | 22,800 | 68.0 | 22,400 | 71.9 | 22,700* | 70.2 | 19,500* | 75.2 | 15,600* | 71.6 | 11,400* | 77.6 | 8,600* | 110 |
| 115 | 64.0 | 20,300 | 66.8 | 21,200 | 66.8 | 20,800 | 70.7 | 22,100* | 69.1 | 19,100* | 74.0 | 15,400* | 70.6 | 11,100* | 76.6 | 8,400* | 115 |
| 120 | 62.7 | 18,900 | 65.4 | 19,700 | 65.6 | 19,400 | 69.4 | 21,000 | 68.0 | 18,700* | 72.9 | 15,200* | 69.6 | 10,900* | 75.5 | 8,300* | 120 |
| 125 | 61.3 | 17,600 | 64.0 | 18,400 | 64.3 | 18,100 | 68.2 | 19,600 | 66.9 | 18,300* | 71.7 | 15,000* | 68.6 | 10,600* | 74.4 | 8,200* | 125 |
| 130 | 60.0 | 16,400 | 62.6 | 17,200 | 63.1 | 16,900 | 66.9 | 18,400 | 65.7 | 17,700 | 70.6 | 14,800* | 67.5 | 10,400* | 73.4 | 8,000* | 130 |
| 135 | 58.5 | 15,400 | 61.1 | 16,000 | 61.8 | 15,800 | 65.6 | 17,200 | 64.6 | 16,600 | 69.4 | 14,600* | 66.5 | 10,100* | 72.3 | 7,900* | 135 |
| 140 | 57.1 | 14,400 | 59.7 | 15,000 | 60.5 | 14,800 | 64.3 | 16,100 | 63.4 | 15,600 | 68.2 | 14,400* | 65.4 | 9,900* | 71.2 | 7,800* | 140 |
| 145 | 55.7 | 13,400 | 58.2 | 14,000 | 59.3 | 13,900 | 63.0 | 15,100 | 62.3 | 14,600 | 67.0 | 14,200* | 64.3 | 9,700* | 70.1 | 7,700* | 145 |
| 150 | 54.2 | 12,500* | 56.7 | 13,100 | 57.9 | 13,000* | 61.6 | 14,200 | 61.1 | 13,800 | 65.8 | 13,800* | 63.2 | 9,500* | 69.0 | 7,600* | 150 |
| 155 | 52.7 | 11,600* | 55.2 | 12,300* | 56.6 | 12,100* | 60.2 | 13,400 | 59.9 | 12,900 | 64.5 | 13,500* | 62.2 | 9,300* | 67.9 | 7,500* | 155 |
| 160 | 51.1 | 10,800* | 53.6 | 11,400* | 55.2 | 11,300* | 58.8 | 12,600 | 58.6 | 12,200 | 63.3 | 13,200* | 61.0 | 9,100* | 66.7 | 7,400* | 160 |
| 165 | 49.6 | 9,900* | 52.0 | 10,600* | 53.9 | 10,500* | 57.4 | 11,800 | 57.4 | 11,500 | 62.0 | 12,500 | 59.9 | 8,900* | 65.6 | 7,300* | 165 |
| 170 | 48.0 | 9,100* | 50.3 | 9,700* | 52.5 | 9,800* | 56.0 | 11,100 | 56.2 | 10,800 | 60.7 | 11,700 | 58.8 | 8,700* | 64.4 | 7,200* | 170 |
| 175 | 46.3 | 8,400* | 48.6 | 9,000* | 51.0 | 9,100* | 54.5 | 10,400 | 54.9 | 10,100 | 59.4 | 11,100 | 57.6 | 8,600* | 63.2 | 7,100* | 175 |
| 180 | 44.6 | 7,700* | 46.8 | 8,200* | 49.6 | 8,400* | 53.0 | 9,700 | 53.6 | 9,400* | 58.1 | 10,400 | 56.5 | 8,400* | 62.0 | 7,000* | 180 |
| 185 | 42.8 | 6,900* | 45.0 | 7,500* | 48.1 | 7,700* | 51.4 | 9,000* | 52.3 | 8,800* | 56.7 | 9,800 | 55.3 | 8,300* | 60.8 | 6,900* | 185 |
| 190 | 41.0 | 6,300* | 43.1 | 6,800* | 46.5 | 7,000* | 49.8 | 8,300* | 50.9 | 8,100* | 55.3 | 9,200 | 54.1 | 8,100* | 59.5 | 6,900* | 190 |
| 195 | 39.1 | 5,600* | 41.1 | 6,100* | 44.9 | 6,400* | 48.1 | 7,700* | 49.5 | 7,500* | 53.9 | 8,500* | 52.9 | 7,800* | 58.3 | 6,800* | 195 |
| 200 | 37.1 | 4,900* | | | 43.3 | 5,800* | 46.4 | 7,000* | 48.1 | 6,900* | 52.4 | 7,900* | 51.6 | 7,200* | 57.0 | 6,700* | 200 |
| 205 | 35.0 | 4,200* | | | 41.6 | 5,200* | 44.7 | 6,400* | 46.7 | 6,400* | 50.9 | 7,300* | 50.4 | 6,700* | 55.7 | 6,700* | 205 |
| 210 | | | | | 39.9 | 4,700* | 42.8 | 5,700* | 45.2 | 5,800* | 49.3 | 6,700* | 49.1 | 6,200* | 54.3 | 6,600* | 210 |
| 215 | | | | | 38.0 | 4,100* | 40.9 | 5,100* | 43.7 | 5,300* | 47.7 | 6,200* | 47.8 | 5,700* | 53.0 | 6,500* | 215 |
| 220 | | | | | | | | | 42.1 | 4,700* | 46.1 | 5,600* | 46.4 | 5,200* | 51.5 | 6,300* | 220 |
| 225 | | | | | | | | | 40.5 | 4,200* | 44.4 | 5,100* | 45.0 | 4,700* | 50.1 | 5,800* | 225 |
| 230 | | | | | | | | | | | 42.6 | 4,500* | | 4,200* | 48.6 | 5,300* | 230 |
| 235 | | | | | | | | | | | 40.7 | 4,000* | | | 47.1 | 4,800* | 235 |
| 240 | | | | | | | | | | | | | | | 45.5 | 4,300* | 240 |
| Reeves | 2 | | 2 | | 2 | | 1 | | 1 | | 1 | | 1 | | 1 | | Reeves |

TRANSPORTATION PLAN

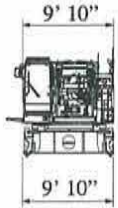
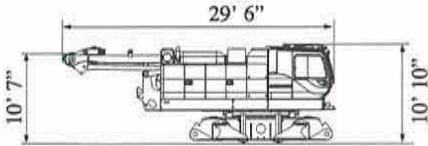
| Name | Dimension ft-in (mm) | Weight lbs (kg) |
|--|--|--------------------|
| Base Machine <ul style="list-style-type: none"> • Boom base • Gantry • Crane backstop • Wire rope (Front / boom hoist) • Selfremoval cylinder • Without crawler | <p>Side view dimensions: 53' (15,840) length, 10' 7" (3,215) height at front, 12' 2" (3,720) height at rear.</p> <p>Front view dimensions: 9' 10" (2,990) width.</p> <p>Rear view dimensions: 9' 10" (2,990) width.</p> | 84,193 (38,190) |
| Base Machine <ul style="list-style-type: none"> • Gantry • Wire rope (Front / rear / boom hoist) • Without crawler | <p>Side view dimensions: 29' 6" (9,000) length, 10' 7" (3,215) height at front, 10' 10" (3,300) height at rear.</p> <p>Front view dimensions: 9' 10" (2,990) width.</p> <p>Rear view dimensions: 9' 10" (2,990) width.</p> | 74,669 (33,870) |
| Base Machine <ul style="list-style-type: none"> • Without crawler • Without gantry • Without wire rope (Front / rear / boom base) | <p>Side view dimensions: 21' 5" (6,535) length, 10' 10" (3,300) height.</p> <p>Front view dimensions: 9' 10" (2,990) width.</p> | 68,474 (31,060) |
| Self Removal Cylinder | <p>View 1 dimensions: 2' 11" (880) width, 7' 2" (2,175) height.</p> <p>View 2 dimensions: 5' 9" (1,755) width.</p> | 3,307 (1,500) |
| Crawler | <p>Side view dimension: 25' 11" (7,900) length.</p> <p>Front view dimensions: 4' 9" (1,460) width, 4' 1" (1,240) height, 4' (1,220) width at base.</p> | 53,450 (16,080) |



PARTS AND ATTACHMENTS

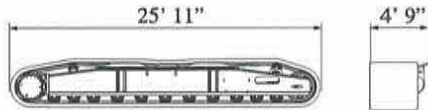
Base Machine

Gantry, wire rope (Front/rear/boom hoist),
Without crawler
Weight: 74,669 lbs Width: 9' 10"



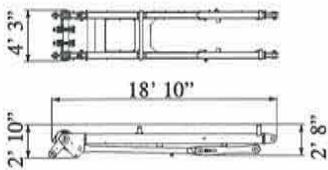
Crawler

Weight: 53,450 lbs



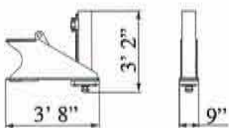
Gantry

Weight: 4,773 lbs



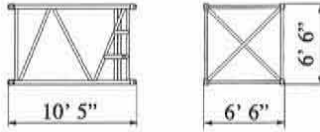
Translifter

Weight: 2,690 lbs x 4 pieces



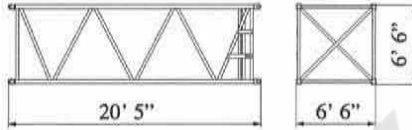
10 ft Insert Boom

Weight: 1,168 lbs



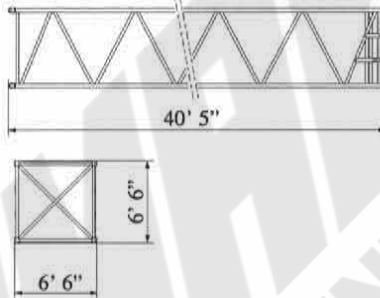
20 ft Insert Boom

Weight: 1,874 lbs



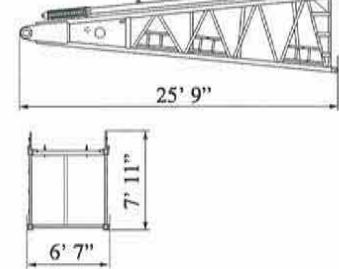
40 ft Insert Boom

Weight: 3,175 lbs



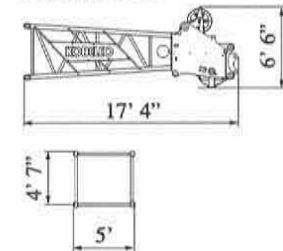
Boom Base

Weight: 8,223 lbs



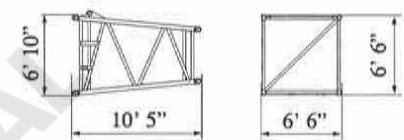
Boom Tip (for Crane)

Weight: 3,682 lbs



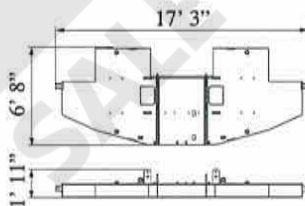
Taper Insert Boom

Weight: 1,080 lbs



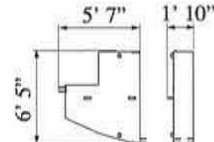
Counterweight (Base weight)

Weight: 22,046 lbs



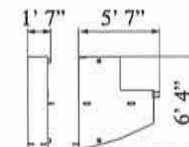
Counterweight

Weight: 9,921 lbs



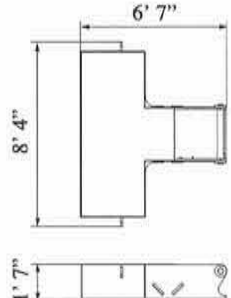
Counterweight (Add. weight)

Weight: 9,921 lbs



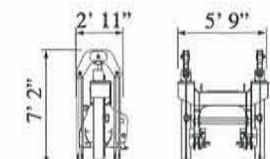
Carbodyweight

Weight: 23,810 lbs x 2 pieces



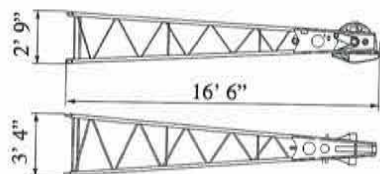
Self Removal Cylinder

Weight: 3,307 lbs

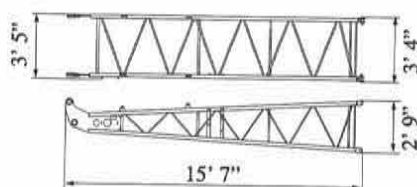


Dimensions: ft Weight: lbs

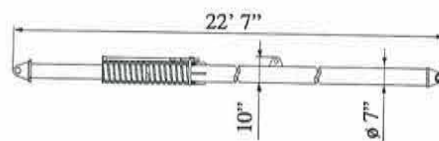
Jib Tip (Fixed Jib)
Weight: 694 lbs



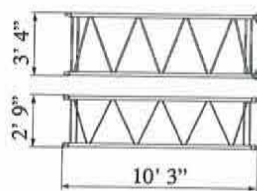
Jib Base (Fixed Jib)
Weight: 463 lbs



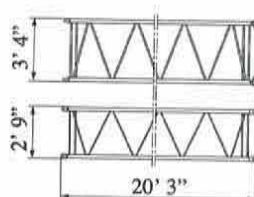
Crane Backstop
Weight: 1,146 lbs (1 piece)



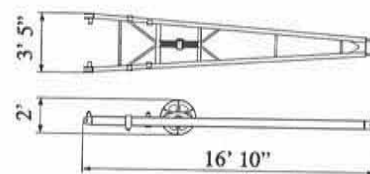
10 ft Insert Jib (Fixed Jib)
Weight: 243 lbs



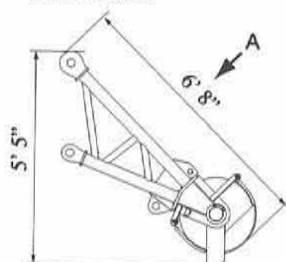
20 ft Insert Jib (Fixed Jib)
Weight: 419 lbs



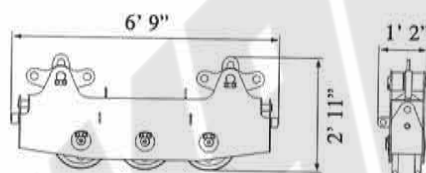
Crane Jib Strut
Weight: 661 lbs



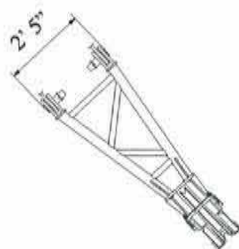
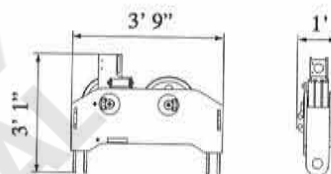
Auxiliary Sheave (for Crane)
Weight: 650 lbs



Upper Spreader (for Crane)
Weight: 1,069 lbs



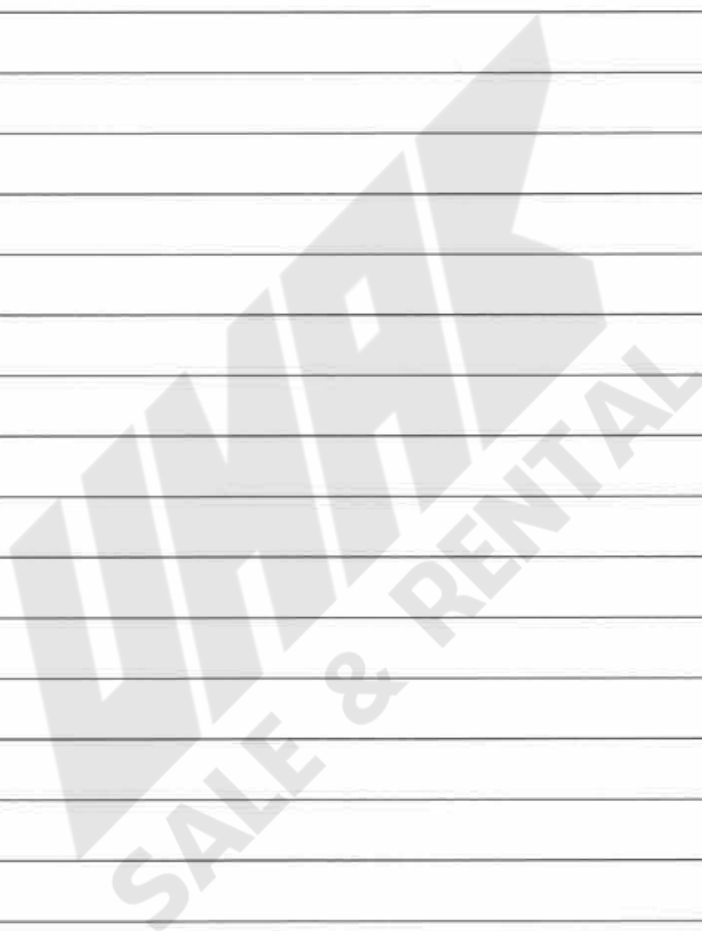
Lower Spreader (for Crane)
Weight: 694 lbs



VIEW "A"



Lined area for writing, featuring horizontal ruling lines across the page.





UNMA
SALE & RENTAL

Note: This catalog may contain photographs of machines with specifications, attachments and optional equipment not certified for operation in your country. Please consult KOBELCO for those items you may require. Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

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Preliminary

Hydraulic Crawler Crane

CK

1600G

Model : CK1600G

LUFFING BOOM / JIB

Max. Lifting Capacity:

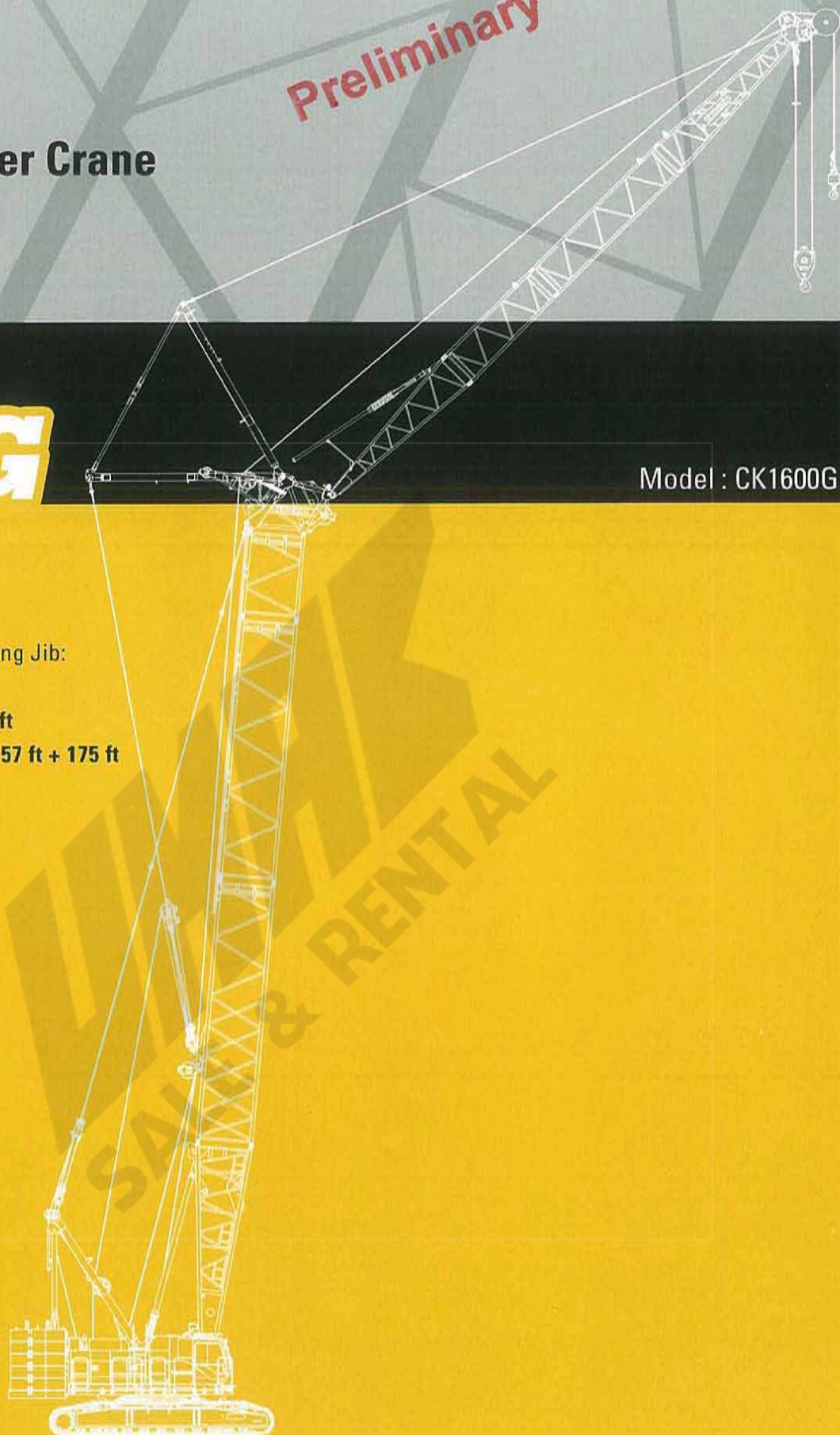
170,000 lbs x 26.0 ft

Max. Lifting Capacity With Luffing Jib:

79,000 lbs x 40.0 ft

Max. Luffing Boom Length: **117 ft**

Max. Luffing Jib Combination: **157 ft + 175 ft**



KOBELCO

UNAK
SALE & RENTAL

CK1600G LUFFING CONTENTS

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PARTS AND ATTACHMENTS

SPECIFICATIONS



Power Plant

Model: HINO P11C-VC

Type: 4 cycle, water-cooled, vertical in-line 6, direct injection, turbo-charger, intercooler

Complies with US EPA Tier Interim Tier IV and NRMM (Europe) Stage IIIB

Displacement: 642 cu in (10.520 liters)

Rated Power: 363 HP/1,850 rpm (271 kW/1,850 min⁻¹)

Max. torque: 1,084 lbf-ft/1,400 rpm (1,469 N·m/1,400 min⁻¹)

Cooling system: Water-cooled

Starter: 24V-6kW

Radiator: Corrugated type core, thermostatically controlled

Air cleaner: Dry type with replaceable paper element

Throttle: Twist grip type hand throttle, electrically actuated

Fuel filter: Replaceable paper element

Batteries: Two 12V x 136 Ah/5HR capacity batteries, series connected

Fuel tank capacity: 106 US gal. (400 liters)



Hydraulic System

Main pumps: 3 variable displacement piston pumps

Control: Full-flow hydraulic control system for infinitely variable pressure to all winches, propel and swing. Controls respond instantly to the touch, delivering smooth function operation.

Cooling: Oil-to-air heat exchanger (plate-fin type)

Filtration: Full-flow and bypass type with replaceable element

Electrical system: All wiring corded for easy servicing, individual fused branch circuits.

Max. relief valve pressure:

Load hoist, boom hoist and propel system:

4,626 psi (31.9 MPa)

Swing system: 3,989 psi (27.5 MPa)

Control system: 783 psi (5.4 MPa)

Hydraulic tank capacity: 141.3 US gal. (535 liters)



Boom Hoisting System

Powered by a hydraulic motor through a planetary reducer.

Brake: A spring-set, hydraulically released multiple-disc brake is mounted on the boom hoist motor and operated through a counter-balance valve.

Drum lock: External ratchet for locking drum

Drum: Single drum, grooved for 25/32 inch (20 mm) dia. wire rope

Line speed: Single line on first drum layer

Hoisting/Lowering: 175 to 6.6 ft/min (48 to 2 m/min)

Diameter of wire rope

Main winch: 1-1/32 in. x 902 ft. (26 mm x 275 m)

Aux. winch: 1-1/32 in. x 837 ft. (26 mm x 255 m)

Third winch: 1-1/32 in. x 787 ft. (26 mm x 240 m)

Boom hoisting/lowering: 25/32 in. x 623 ft (20 mm x 190 m)

Boom guy line: 1-3/16 in. (30 mm)

Boom backstops: Required for all boom length



Load Hoist System

Front and rear drums for load hoist powered by a hydraulic variable plunger motors, driven through planetary reducers.

Negative brake: A spring-set, hydraulically released multiple-disc brake is mounted on the hoist motor and operated through a counter-balance valve. (Positive free fall brake is optional)

Drum lock: External ratchet for locking drum

Drums:

Front drums:

2ft 2-3/16 inch (666 mm) P.C.D x 2 ft 2-15/32 inch (672 m)

Lg., grooved for 1-1/32 inch (26 mm) wire rope. Rope capacity is 902 ft (275 m) working length and 1,148 ft (350 m) storage length.

Rear drums:

2 ft 2-3/16 inch (666 mm) P.C.D x 2ft 2-15/32 inch (672 m)

Lg., grooved for 1-1/32 inch (26 mm) wire rope. Rope capacity is 837 ft (255 m) working length and 1,148 ft (350m) storage length.

Line speed: Single line on the first layer

Hoisting/Lowering: 394 to 10 ft

Line pull:

Max. line pull (Single line): 52,500 lbs (233 kN)

Rated line pull: 29,500 lbs (132 kN)



Swing System

Swing unit is powered by hydraulic motor driving spur gears through planetary reducers (2 set), the swing system provides 360° rotation.

Swing parking brakes: A spring-set, hydraulically released multiple-disc brake is mounted on swing motor.

Swing circle: Single-row ball bearing with an integral internally cut swing gear.

Swing lock: Manually, four position lock for transportation

Swing speed: 2.1 rpm (min⁻¹)



Upper Structure

Torsion-free precision machined upper frame. All components are located clearly and service friendly. Engine will with low noise level.

Counter weight: 121,300 lbs



Cab & Control

Totally enclosed, full vision cab with safety glass, fully adjustable, high backed seat with a headrest and armrests, and intermittent wiper and window washer (skylight and front window).

Cab fittings:

Air conditioner, convenient compartment (for tool), cup holder, ashtray, cigarette lighter, sun visor, roof blind, tinted glass, floor mat, footrest, shoe tray, and foot acceleration pedal.

Controls:

Four adjustable levers for front drum, rear drum, boom drum and swing controls.

**Lower Structure**

Steel-welded carbody with axles. Crawler assemblies are designed with quick disconnect feature for individual removal as a unit from axles. Crawler belt tension is maintained by hydraulic jack force on the track adjusting bearing block.

Carbodyweight: 23,810 lbs

Crawler drive: Independent hydraulic propel drive is built into each crawler side frame. Each drive consists of a hydraulic motor propelling a driving tumbler through a planetary gear box. Hydraulic motor and gear box are built into the crawler side frame within the shoe width.

Crawler brakes: Spring-set, hydraulically released parking brakes are built into each propel drive.

Steering mechanism: A hydraulic propel system provides both skid steering (driving one track only) and counter-rotating steering (driving each track in opposite directions).

Track rollers: Sealed track rollers for maintenance-free operation.

Shoe (flat): 4 ft wide each crawler

Max. gradeability: 30%

**Weight**

Including upper and lower machine, 121,300 lbs counterweight and 23,810 lbs carbody weight, basic boom (or basic boom + basic jib), hook, and other accessories.

Weight: 304,200 lbs (136 t)

Ground pressure: 11.7 psi (106 kPa)

**Attachment****Boom and Jib:**

Welded lattice construction using tubular, high-tensile steel chords with pin connections between sections.

Boom and Jib Length

| | Min. Length (Min. Combination) | Max. Length (Max. Combination) |
|--------------|-----------------------------------|-----------------------------------|
| Luffing Boom | 47 ft | 157 ft |
| Luffing Jib | 107 ft + 75 ft | 157 ft + 175 ft |

Main Specifications (Model: CK1600G)

| | |
|-------------------------------|--|
| Luffing Boom | |
| Max. Lifting Capacity | 170,000 lbs |
| Length | 47 ~ 157 ft |
| Luffing Jib | |
| Max. Lifting Capacity | 79,000 lbs |
| Max. Length | 175 ft |
| Max. Combination | 200 ft + 100 ft |
| Luffing Angle | 63° ~ 88° |
| Power Plant | |
| Model | HINO P11C-VC |
| Engine Output | 363 HP/1,850 rpm |
| Fuel Tank Capacity | 106 US gal. (400 liters) |
| Main & Aux. Winch | |
| Max. Line Speed | 390 ft/min (120 m/min): 1st layer |
| Rated Line Pull (single Line) | 29,500 lbs (132 kN) |
| Wire Rope Diameter | 1-1/32 in (26 mm) |
| Brake Type | Spring set hydraulically released (Negative) |

Working Speed

| | |
|--------------|------------------------------|
| Swing Speed | 2.1 rpm (min ⁻¹) |
| Travel Speed | 0.70/0.56 mph |

Hydraulic System

| | |
|-------------------------|----------------------------|
| Main pumps | 3 variable displacement |
| Max. Pressure | 4,626 psi (31.9 MPa) |
| Hydraulic Tank Capacity | 141.3 US gal. (535 liters) |

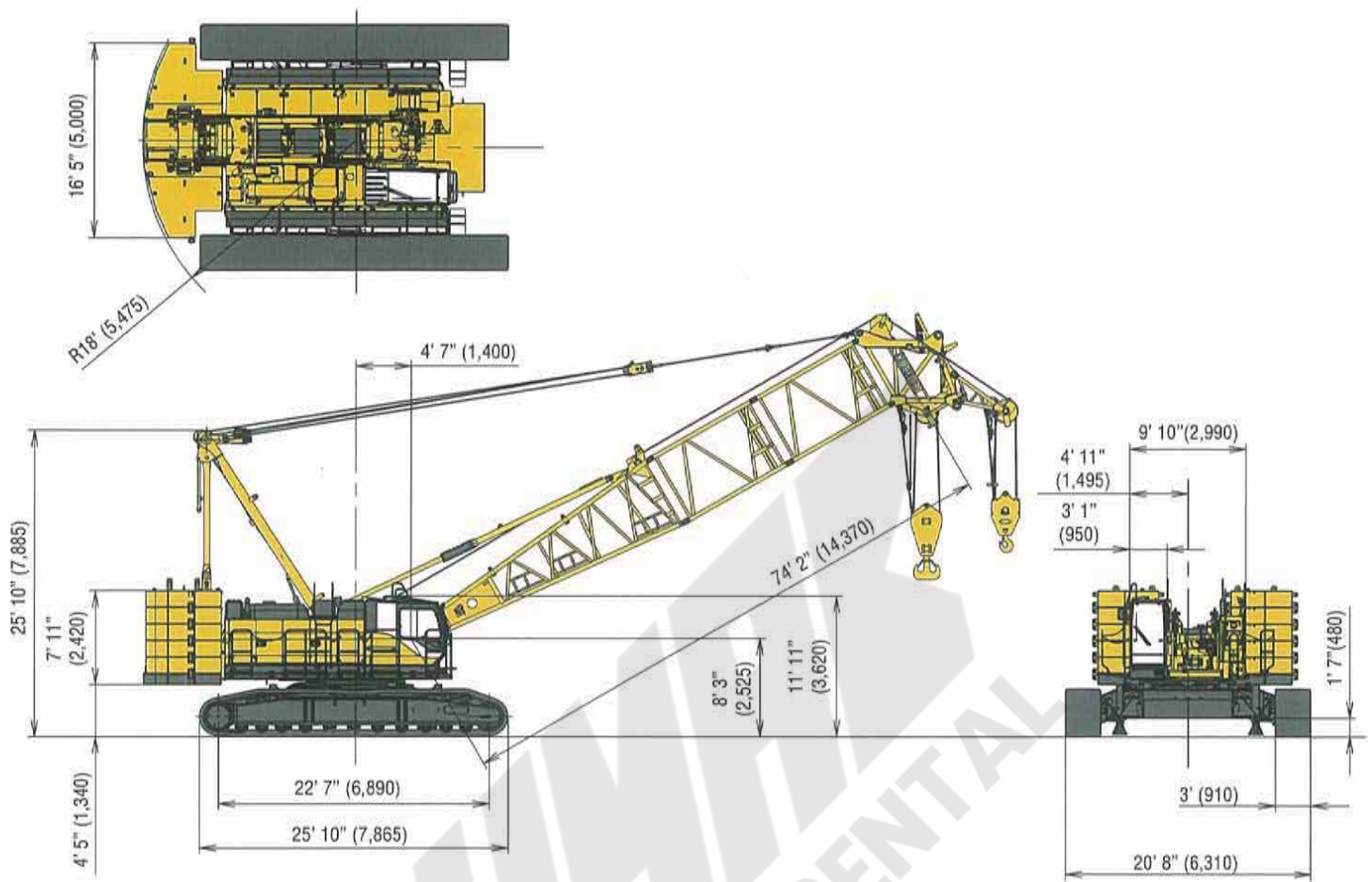
Weight

| | |
|------------------|---------------------|
| Operating Weight | 304,200 lbs (136 t) |
| Ground Pressure | 11.7 psi (106 kPa) |
| Counterweight | 121,300 lbs |
| Transport Weight | 84,193 lbs |

GENERAL DIMENSIONS

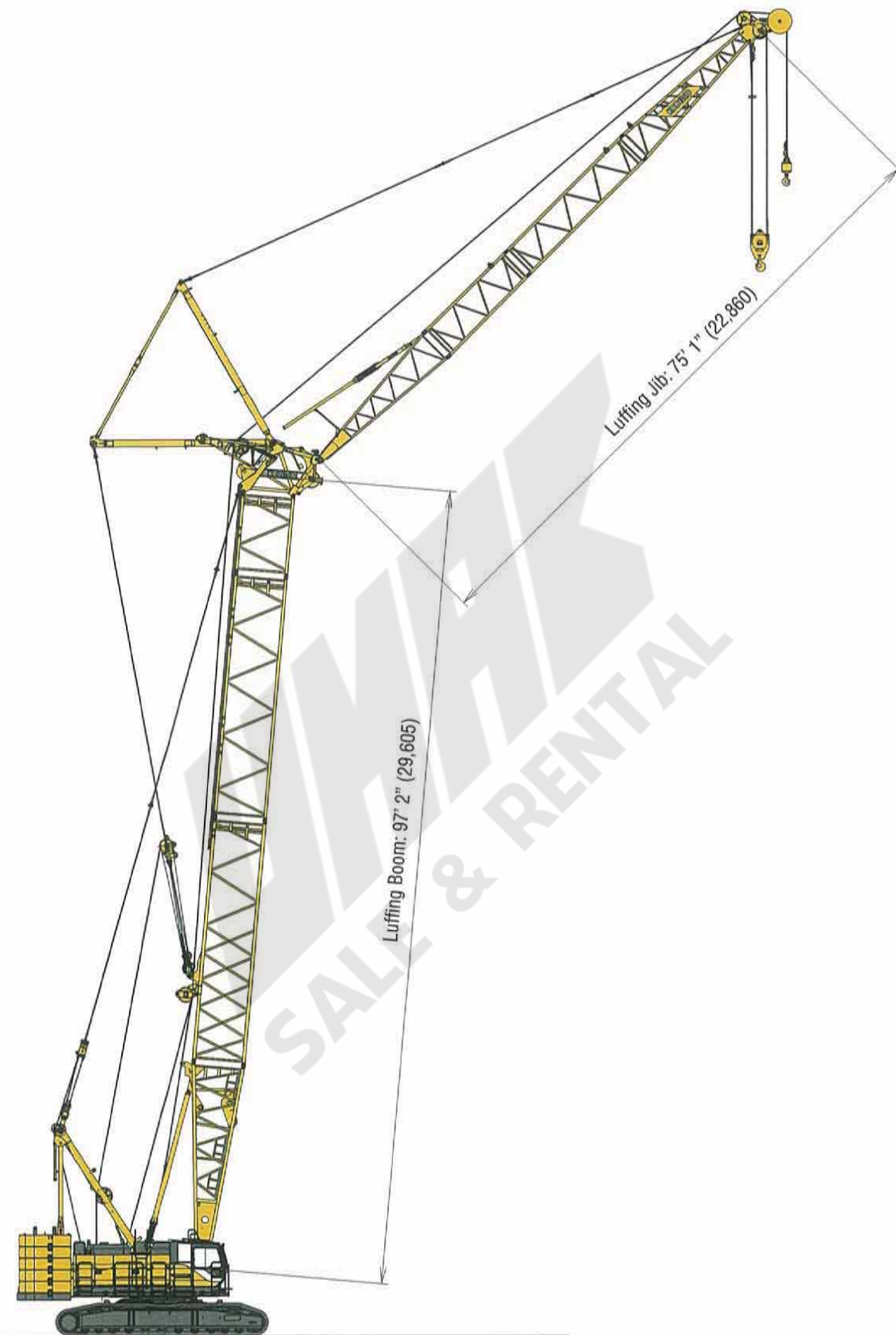
Crane Boom

Unit: ft-in (mm)



Luffing Jib

Unit: ft-in (mm)



BOOM AND JIB ARRANGEMENTS

Luffing Boom Arrangements for Crane

| Boom length ft (m) | Boom arrangement | | Boom length ft (m) | Boom arrangement | |
|--------------------|------------------|---|--------------------|------------------|---|
| 47 (14.4) | | | 127 (38.8) | ※ | ※ |
| 57 (17.4) | ※ | | | | |
| 67 (20.5) | ※ | | 137 (41.8) | ※ | ※ |
| 77 (23.5) | ※ | ※ | | | |
| 87 (26.6) | ※ | ※ | 147 (44.8) | ※ | ※ |
| | | | | | |
| 97 (29.6) | ※ | ※ | 157 (47.9) | ※ | ※ |
| 107 (32.7) | ※ | ※ | | | |
| | | | | | |
| 117 (35.7) | ※ | ※ | | | |
| | | | | | |
| | | | | | |

| Symbol | Boom Length | Remarks |
|--------|------------------|------------------|
| | 25.0 ft (7.6 m) | Boom Base |
| | 2.0 ft (0.7 m) | Luffing Boom Top |
| | 10.0 ft (3.1 m) | Insert Boom |
| | 20.0 ft (6.1 m) | Insert Boom |
| | 40.0 ft (12.2 m) | Insert Boom |
| | 30.0 ft (9.1 m) | Insert Boom |

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Luffing Boom Arrangements for Luffing

| Boom length ft (m) | Boom arrangement |
|--------------------|------------------|
| 107 (32.7) | ※ |
| 117 (35.7) | ※ |
| | |
| 127 (38.8) | ※ |
| 137 (41.8) | ※ |
| | |
| 147 (44.8) | ※ |
| | |
| 157 (47.9) | ※ |
| | |

| Symbol | Boom Length | Remarks |
|--------|------------------|-------------------------|
| | 25.0 ft (7.6 m) | Boom Base |
| | 2.0 ft (0.7 m) | Luffing Boom Top |
| | 10.0 ft (3.1 m) | Insert Boom |
| | 20.0 ft (6.1 m) | Insert Boom |
| | 40.0 ft (12.2 m) | Insert Boom |
| | 30.0 ft (9.1 m) | Insert Boom for Luffing |

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Luffing Jib Arrangements

| Jib length ft (m) | Jib arrangement |
|-------------------|--|
| 75 (22.9) | ※ JL 14A 20 JU |
| 85 (25.9) | ※ JL 14A 10 20 JU |
| 95 (29.0) | ※ JL 14A 10 10 20 JU JL 14A 20 20 JU JL 14A 40 JU |
| 105 (32.0) | ※ JL 14A 10 20 20 JU JL 14A 10 40 JU |
| 115 (35.1) | ※ JL 14A 10 10 20 20 JU JL 14A 20 40 JU |
| 125 (38.1) | ※ JL 14A 10 20 40 JU |
| 135 (41.1) | ※ JL 14A 10 10 20 40 JU JL 14A 20 20 40 JU JL 14A 40 40 JU |

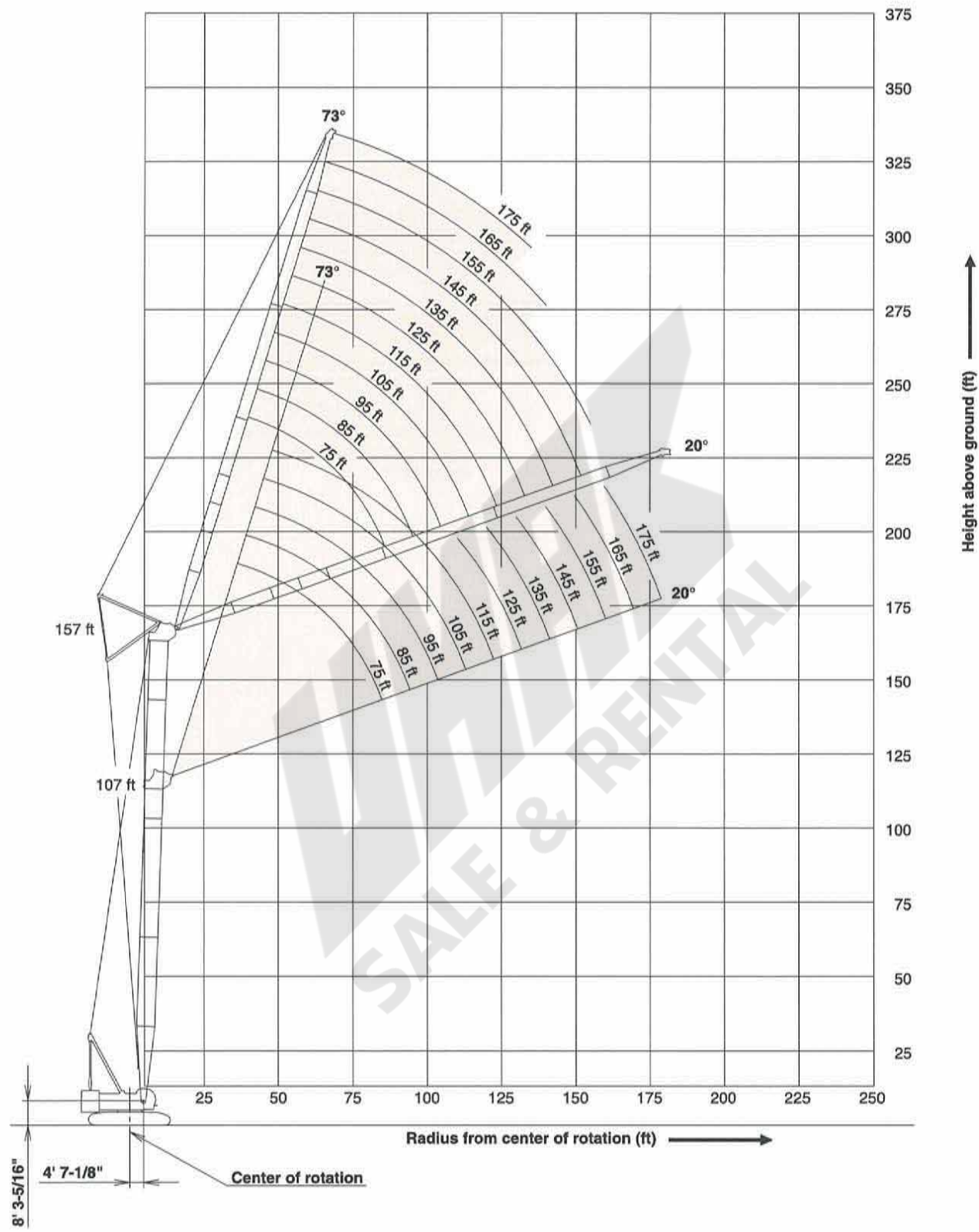
| Jib length ft (m) | Jib arrangement |
|-------------------|--|
| 145 (44.2) | ※ JL 14A 10 20 20 40 JU JL 14A 10 40 40 JU |
| 155 (47.2) | ※ JL 14A 10 10 20 20 40 JU JL 14A 20 40 40 JU |
| 165 (50.3) | ※ JL 14A 10 20 40 40 JU |
| 175 (53.3) | ※ JL 14A 10 10 20 40 40 JU |

| Symbol | Jib Length | Remarks |
|--------|------------------|--------------------|
| JL | 20.0 ft (6.1 m) | Jib Base |
| 14A | 14.0 ft (4.3 m) | Tapered Insert Jib |
| 10 | 10.0 ft (3.1 m) | Luffing Insert Jib |
| 20 | 20.0 ft (6.1 m) | Luffing Insert Jib |
| 40 | 40.0 ft (12.2 m) | Luffing Insert Jib |
| JU | 21.0 ft (6.4 m) | Jib Top |

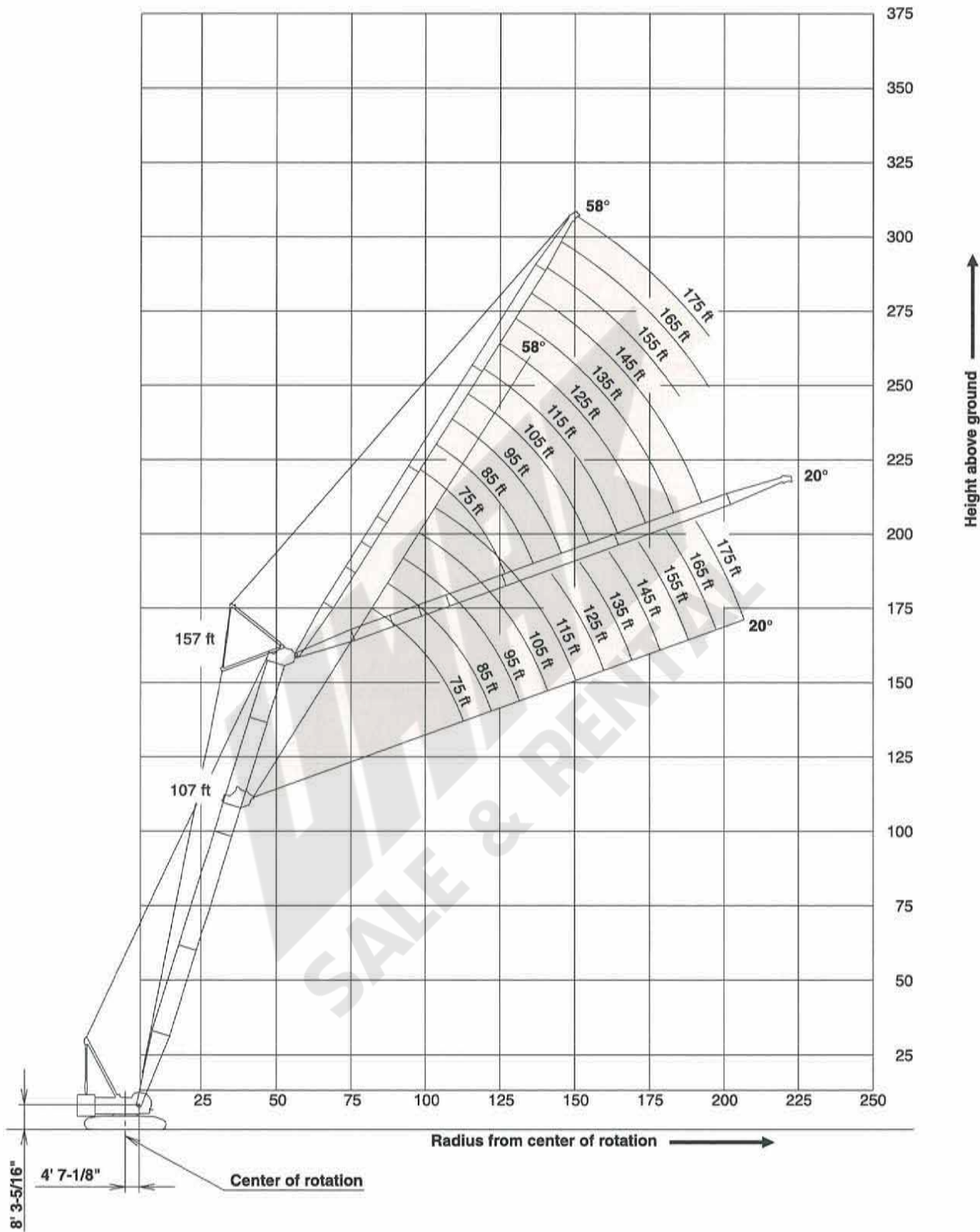
※ Indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

WORKING RANGES

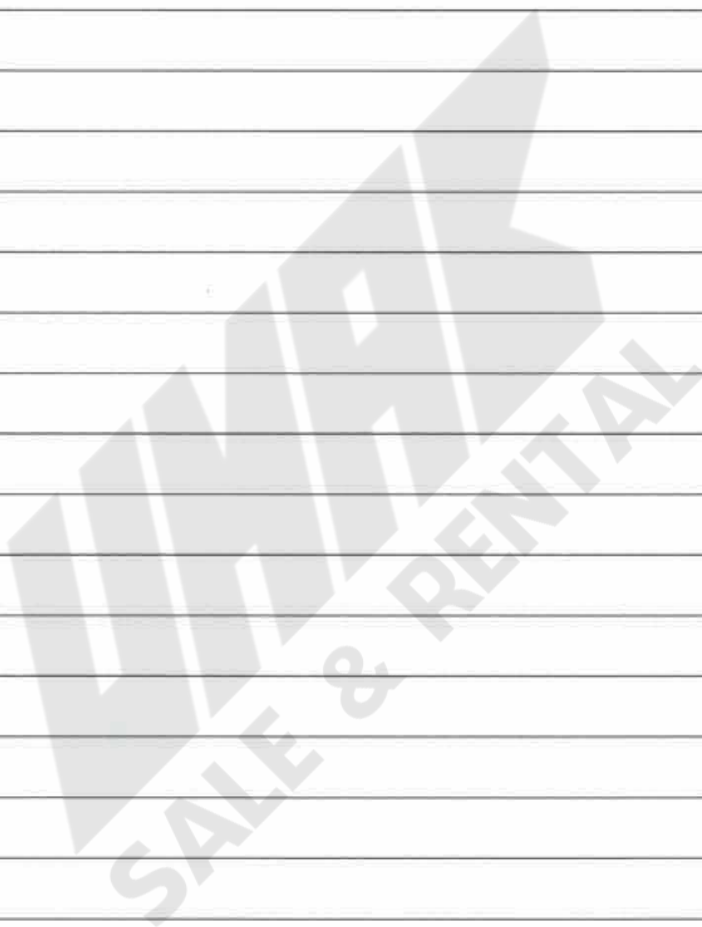
Luffing Jib 88°



Luffing Jib 73°



Blank lined paper for writing.



SUPPLEMENTAL DATA

(FOR CRANE WITH LUFFING BOOM TIP)

1. Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
2. Capacities do not exceed 75% of minimum tipping loads. Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
3. The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
 - Boom backstops are required for all boom lengths.
 - Gantry must be fully raised position for all operations.
 - The crane must be leveled to within 1% on a firm supporting surface.
4. Do not attempt to lift where no radius on load is listed as crane may tip or collapse.
5. Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine capacity.
6. Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
7. The total load that can be lifted over boom point with auxiliary sheave is the value for 1,250 lbs deducted from rated load for the boom without auxiliary sheave.
8. The total load that can be lifted over an auxiliary sheave is the value for 1,250 lbs deducted from rated load for the boom without auxiliary sheave, but it should not exceed 59,000 lbs.
9. Least stable position is over the side.
10. Maximum hoist load for number of reeving parts of line for hoist rope.
11. Lifting capacities listed apply only to the machine as originally manufactured and designed by KOBELCO CRANES CO.,LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.
12. Designed and rated to comply with ANSI Code B30.5.

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

Main Boom Hoist Loads

| No. of Parts of Line | 1 | 2 | 3 | 4 | 5 | 6 |
|----------------------|--------|--------|--------|---------|---------|---------|
| Maximum Loads (lbs) | 29,500 | 59,000 | 88,500 | 118,000 | 147,500 | 170,000 |

Auxiliary Hoist Loads

| No. of Parts of Line | 1 | 2 |
|----------------------|--------|--------|
| Maximum Loads (lbs) | 29,500 | 59,000 |

LUFFING JIB SUPPLEMENTAL DATA

- Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
- Capacities do not exceed 75% of minimum tipping loads. Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
- The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
 - Boom backstops are required for all boom lengths.
 - Gantry must be fully raised position for all operations.
 - The crane must be leveled to within 1% on a firm supporting surface.
- Do not attempt to lift where no radius on load is listed as crane may tip or collapse.
- Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine capacity.
- Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
- The total load that can be lifted over a jib is limited by rated jib loads.
- The total load that can be lifted over an auxiliary sheave should not exceed 29,500 lbs.
- Luffing boom and jib combinations.

| Boom Length (ft) | Jib Length (ft) | | | | | | | | | | |
|------------------|-----------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 75 | 85 | 95 | 105 | 115 | 125 | 135 | 145 | 155 | 165 | 175 |
| 107 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 117 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 127 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 137 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 147 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 157 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

○: Combinations which is allowed.

- The boom should be erected over the front of the crawlers, not laterally. When erecting and lowering for all boom and jib combinations, the blocks for erection must be placed at the end of the crawlers.
- Least stable position is over the side.
- The boom should be erected over the front of the crawlers, not laterally. The blocks for erection must be placed at the end of the crawlers when erecting and lowering the boom. In the case of nine counterweight, the boom length are 127 ft or over. In the case of eleven counterweight and two car-

bodyweight, the boom length are 147 ft or over.

- Maximum number of reeving parts of line for hoist rope.

(1) LUFFING JIB

| Boom Length (ft) | Jib Length (ft) | | | | | | | | | | |
|------------------|-----------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 75 | 85 | 95 | 105 | 115 | 125 | 135 | 145 | 155 | 165 | 175 |
| 107 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 117 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 127 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 137 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 147 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 157 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

(2) CRANE BOOM WITH LUFFING JIB ATTACHED

NINE COUNTERWEIGHTS (105,820 lbs)

| Boom Length (ft) | Jib Length (ft) | | | | | | | | | | |
|------------------|-----------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 75 | 85 | 95 | 105 | 115 | 125 | 135 | 145 | 155 | 165 | 175 |
| 107 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 |
| 117 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 127 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| 137 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| 147 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| 157 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

ELEVEN COUNTERWEIGHTS (116,840 lbs)

+ TWO LOW WEIGHTS (22,050 lbs)

| Boom Length (ft) | Jib Length (ft) | | | | | | | | | | |
|------------------|-----------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 75 | 85 | 95 | 105 | 115 | 125 | 135 | 145 | 155 | 165 | 175 |
| 107 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| 117 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| 127 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 137 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| 147 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| 157 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

- Maximum hoist load for number of reeving parts of line for hoist rope.

Main Hoist Loads

| No. of Parts of Line | 1 | 2 | 3 | 4 |
|----------------------|--------|--------|--------|---------|
| Maximum Loads (lbs) | 29,500 | 59,000 | 88,500 | 118,000 |

Jib Hoist Loads

| No. of Parts of Line | 1 | 2 | 3 |
|----------------------|--------|--------|--------|
| Maximum Loads (lbs) | 29,500 | 59,000 | 79,000 |

Auxiliary Hoist Loads

| No. of Parts of Line | 1 |
|----------------------|--------|
| Maximum Loads (lbs) | 29,500 |

- The total load that can be lifted over an luffing jib with main hook block is the value for 4,000 lbs deducted from rated load for the luffing jib without main hook block.
- Lifting capacities listed apply only to the machine as originally manufactured and designed by KOBELCO CRANES CO., LTD.
Modifications to this machine or use of equipment other than that specified can reduce operating capacity.
- Designed and rated to comply with ANSI Code B30.5.

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

LIFTING CAPACITY



Luffing Boom Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

| 47' Boom | | | 57' Boom | | | 67' Boom | | | 77' Boom | | |
|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) |
| 18.0 | 79.7 | 170,000 * | 20.0 | 79.5 | 170,000 * | 22.0 | 79.3 | 170,000 * | 24.0 | 79.2 | 170,000 * |
| 19.0 | 78.5 | 170,000 * | 22.0 | 77.4 | 170,000 * | 24.0 | 77.6 | 170,000 * | 26.0 | 77.7 | 170,000 * |
| 20.0 | 77.2 | 170,000 * | 24.0 | 75.3 | 170,000 * | 26.0 | 75.8 | 170,000 * | 28.0 | 76.1 | 156,900 * |
| 22.0 | 74.6 | 170,000 * | 26.0 | 73.2 | 170,000 * | 28.0 | 74.0 | 160,400 * | 30.0 | 74.6 | 144,600 * |
| 24.0 | 72.0 | 170,000 * | 28.0 | 71.0 | 165,100 * | 30.0 | 72.2 | 146,600 | 32.0 | 73.0 | 132,900 |
| 26.0 | 69.3 | 170,000 * | 30.0 | 68.8 | 148,800 | 32.0 | 70.3 | 132,900 | 34.0 | 71.4 | 121,600 |
| 28.0 | 66.6 | 162,900 * | 32.0 | 66.5 | 135,100 | 34.0 | 68.4 | 121,600 | 36.0 | 69.8 | 111,900 |
| 30.0 | 63.8 | 147,200 | 34.0 | 64.2 | 123,800 | 36.0 | 66.5 | 111,900 | 38.0 | 68.2 | 103,600 |
| 32.0 | 60.8 | 133,800 | 36.0 | 61.9 | 114,100 | 38.0 | 64.6 | 103,800 | 40.0 | 66.5 | 96,300 |
| 34.0 | 57.8 | 122,500 | 38.0 | 59.5 | 106,000 | 40.0 | 62.6 | 96,500 | 45.0 | 62.3 | 81,700 |
| 36.0 | 54.7 | 112,800 | 40.0 | 57.0 | 98,700 | 45.0 | 57.4 | 82,000 | 50.0 | 57.8 | 70,900 |
| 38.0 | 51.4 | 103,800 * | 45.0 | 50.3 | 84,200 | 50.0 | 51.9 | 70,900 | 55.0 | 53.1 | 62,300 |
| 40.0 | 47.8 | 95,200 * | 50.0 | 42.7 | 72,900 * | 55.0 | 45.9 | 62,600 | 60.0 | 48.0 | 55,500 |
| 45.0 | 37.7 | 75,800 * | 55.0 | 33.6 | 60,100 * | 60.0 | 38.9 | 55,500 * | 65.0 | 42.4 | 49,800 |
| | | | | | | 65.0 | 30.5 | 46,200 * | 70.0 | 36.0 | 44,900 * |
| Reeves | | 6 | Reeves | | 6 | Reeves | | 6 | Reeves | | 6 |
| 87' Boom | | | 97' Boom | | | 107' Boom | | | 117' Boom | | |
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) |
| 26.0 | 79.1 | 167,700 * | 28.0 | 79.1 | 149,600 * | 30.0 | 79.0 | 135,800 * | 30.0 | 80.0 | 133,100 * |
| 28.0 | 77.8 | 153,400 * | 30.0 | 77.9 | 138,000 * | 32.0 | 77.9 | 125,600 * | 32.0 | 79.0 | 123,400 * |
| 30.0 | 76.4 | 141,300 * | 32.0 | 76.6 | 127,800 * | 34.0 | 76.8 | 117,000 * | 34.0 | 78.0 | 114,800 * |
| 32.0 | 75.0 | 131,100 * | 34.0 | 75.4 | 119,200 * | 36.0 | 75.7 | 109,500 * | 36.0 | 76.9 | 107,300 * |
| 34.0 | 73.7 | 121,400 | 36.0 | 74.2 | 111,300 | 38.0 | 74.6 | 102,500 | 38.0 | 75.9 | 100,900 * |
| 36.0 | 72.3 | 111,700 | 38.0 | 72.9 | 102,900 | 40.0 | 73.4 | 95,200 | 40.0 | 74.9 | 95,000 * |
| 38.0 | 70.8 | 103,300 | 40.0 | 71.6 | 95,600 | 45.0 | 70.6 | 80,600 | 45.0 | 72.3 | 80,400 |
| 40.0 | 69.4 | 96,300 | 45.0 | 68.5 | 81,100 | 50.0 | 67.7 | 69,600 | 50.0 | 69.7 | 69,400 |
| 45.0 | 65.8 | 81,700 | 50.0 | 65.2 | 70,100 | 55.0 | 64.7 | 61,000 | 55.0 | 67.0 | 60,800 |
| 50.0 | 62.0 | 70,700 | 55.0 | 61.8 | 61,500 | 60.0 | 61.6 | 54,200 | 60.0 | 64.3 | 54,000 |
| 55.0 | 58.1 | 62,100 | 60.0 | 58.3 | 54,600 | 65.0 | 58.4 | 48,500 | 65.0 | 61.5 | 48,200 |
| 60.0 | 53.9 | 55,300 | 65.0 | 54.6 | 48,900 | 70.0 | 55.1 | 43,800 | 70.0 | 58.6 | 43,600 |
| 65.0 | 49.5 | 49,600 | 70.0 | 50.7 | 44,300 | 75.0 | 51.7 | 39,600 | 75.0 | 55.6 | 39,400 |
| 70.0 | 44.8 | 44,900 | 75.0 | 46.6 | 40,300 | 80.0 | 48.0 | 36,300 | 80.0 | 52.5 | 36,100 |
| 75.0 | 39.6 | 41,000 | 80.0 | 42.2 | 36,800 | 85.0 | 44.2 | 33,200 | 85.0 | 49.2 | 33,000 |
| 80.0 | 33.6 | 37,200 * | 85.0 | 37.2 | 33,900 | 90.0 | 39.9 | 30,800 | 90.0 | 45.7 | 30,600 |
| | | | 90.0 | 31.6 | 30,600 * | 95.0 | 35.3 | 28,400 | 95.0 | 42.0 | 28,200 |
| | | | | | | | | | 100.0 | 38.0 | 26,200 |
| | | | | | | | | | 105.0 | 33.6 | 24,400 * |
| Reeves | | 6 | Reeves | | 6 | Reeves | | 5 | Reeves | | 5 |

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

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

Refer to notes P13 and P14.



Luffing Boom Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

| 127' Boom | | | 137' Boom | | | 147' Boom | | | 157' Boom | | |
|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|------------------|-------------------|-----------------------|
| Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) | Load Radius (ft) | Boom Angle (deg.) | 360° Rated Load (lbs) |
| 32.0 | 79.9 | 120,800 * | 34.0 | 79.7 | 110,600 * | 36.0 | 79.7 | 102,500 * | 38.0 | 79.6 | 94,700 * |
| 34.0 | 78.9 | 112,400 * | 36.0 | 78.9 | 103,300 * | 38.0 | 78.9 | 96,100 * | 40.0 | 78.8 | 89,000 * |
| 36.0 | 78.0 | 105,100 * | 38.0 | 78.0 | 97,000 * | 40.0 | 78.1 | 90,300 * | 45.0 | 77.0 | 77,300 * |
| 38.0 | 77.1 | 98,700 * | 40.0 | 77.2 | 91,200 * | 45.0 | 76.0 | 78,700 * | 50.0 | 75.1 | 68,300 * |
| 40.0 | 76.1 | 93,000 * | 45.0 | 75.0 | 79,500 * | 50.0 | 74.0 | 68,700 | 55.0 | 73.2 | 59,700 |
| 45.0 | 73.8 | 80,000 | 50.0 | 72.8 | 68,700 | 55.0 | 72.0 | 60,100 | 60.0 | 71.2 | 52,900 |
| 50.0 | 71.4 | 69,000 | 55.0 | 70.6 | 60,100 | 60.0 | 69.9 | 53,100 | 65.0 | 69.3 | 47,100 |
| 55.0 | 69.0 | 60,400 | 60.0 | 68.3 | 53,100 | 65.0 | 67.8 | 47,300 | 70.0 | 67.3 | 42,300 |
| 60.0 | 66.5 | 53,300 | 65.0 | 66.0 | 47,600 | 70.0 | 65.6 | 42,700 | 75.0 | 65.2 | 38,300 |
| 65.0 | 63.9 | 47,800 | 70.0 | 63.7 | 42,700 | 75.0 | 63.4 | 38,500 | 80.0 | 63.2 | 34,800 |
| 70.0 | 61.4 | 42,900 | 75.0 | 61.3 | 38,800 | 80.0 | 61.2 | 35,200 | 85.0 | 61.1 | 31,900 |
| 75.0 | 58.7 | 39,000 | 80.0 | 58.8 | 35,200 | 85.0 | 58.9 | 32,100 | 90.0 | 58.9 | 29,300 |
| 80.0 | 55.9 | 35,400 | 85.0 | 56.3 | 32,400 | 90.0 | 56.5 | 29,500 | 95.0 | 56.8 | 26,800 |
| 85.0 | 53.1 | 32,600 | 90.0 | 53.6 | 29,700 | 95.0 | 54.1 | 27,300 | 100.0 | 54.5 | 24,900 |
| 90.0 | 50.1 | 29,900 | 95.0 | 50.9 | 27,300 | 100.0 | 51.6 | 25,100 | 105.0 | 52.2 | 23,100 |
| 95.0 | 47.0 | 27,500 | 100.0 | 48.1 | 25,300 | 105.0 | 49.0 | 23,300 | 110.0 | 49.8 | 21,300 |
| 100.0 | 43.7 | 25,500 | 105.0 | 45.1 | 23,500 | 110.0 | 46.3 | 21,600 | 115.0 | 47.2 | 19,800 |
| 105.0 | 40.2 | 23,800 | 110.0 | 41.9 | 21,800 | 115.0 | 43.4 | 20,200 | 120.0 | 44.6 | 18,500 |
| 110.0 | 36.4 | 22,000 | 115.0 | 38.6 | 20,500 | 120.0 | 40.4 | 18,900 | 125.0 | 41.9 | 17,400 |
| 115.0 | 32.1 | 20,200 * | 120.0 | 34.9 | 18,900 | 125.0 | 37.1 | 17,600 | 130.0 | 38.9 | 16,000 |
| | | | 125.0 | 30.8 | 16,900 * | 130.0 | 33.6 | 16,000 * | 135.0 | 35.8 | 15,200 * |
| | | | | | | | | | 140.0 | 32.4 | 13,400 * |
| Reeves | | 5 | Reeves | | 4 | Reeves | | 4 | Reeves | | 4 |

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

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

Refer to notes P13 and P14.

SALE & RENTAL

LIFTING CAPACITY



Luffing Boom With Luffing Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

107' Boom

| Load Radius (ft) | Boom Angle (deg.) | Jib Length (ft) | | | | | | | | | | |
|------------------|-------------------|-----------------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | 75 | 85 | 95 | 105 | 115 | 125 | 135 | 145 | 155 | 165 | 175 |
| 30.0 | 79.0 | 109,100* | 105,800* | 102,000* | 98,800* | 95,500* | 91,100* | 87,400* | 83,700* | 78,900* | 74,700* | 70,400* |
| 32.0 | 77.9 | 99,700* | 96,300* | 92,800* | 89,600* | 86,500* | 82,400* | 78,800* | 75,100* | 70,600* | 66,500* | 62,300* |
| 34.0 | 76.8 | 91,500 | 88,300 | 84,800 | 81,800 | 78,800 | 74,900 | 71,400 | 67,800 | 63,400 | 59,500 | 55,400 |
| 36.0 | 75.7 | 84,300 | 81,200 | 77,800 | 74,900 | 71,900 | 68,200 | 64,700 | 61,300 | 57,100 | 53,400 | 49,400 |
| 38.0 | 74.6 | 77,000 | 74,100 | 70,700 | 68,000 | 65,100 | 61,400 | 58,100 | 54,900 | 50,800 | 47,200 | 43,300 |
| 40.0 | 73.4 | 70,300 | 67,400 | 64,200 | 61,500 | 58,700 | 55,200 | 51,900 | 48,800 | 44,900 | 41,400 | 37,700 |
| 45.0 | 70.6 | 56,500 | 53,700 | 50,700 | 48,100 | 45,400 | 42,100 | 39,100 | 36,200 | 32,500 | 29,100 | 25,800 |
| 50.0 | 67.7 | 46,000 | 43,300 | 40,600 | 38,100 | 35,600 | 32,400 | 29,700 | 26,800 | 23,200 | 20,100 | 17,000 |
| 55.0 | 64.7 | 37,600 | 35,000 | 32,300 | 30,000 | 27,600 | 24,600 | 22,000 | 19,200 | 15,800 | | |
| 60.0 | 61.6 | 30,700 | 28,300 | 25,600 | 23,400 | 21,000 | 18,200 | | | | | |
| 65.0 | 58.4 | 25,300 | 22,900 | 20,400 | 18,200 | 16,000 | 13,100 | | | | | |
| 70.0 | 55.1 | 21,000 | 18,500 | 16,100 | 14,100 | | | | | | | |
| 75.0 | 51.7 | 17,200 | 14,900 | | | | | | | | | |
| 80.0 | 48.0 | 14,000 | | | | | | | | | | |
| 85.0 | 44.2 | 11,100 | | | | | | | | | | |
| Reeves | | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |

117' Boom

| Load Radius (ft) | Boom Angle (deg.) | Jib Length (ft) | | | | | | | | | | |
|------------------|-------------------|-----------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | 75 | 85 | 95 | 105 | 115 | 125 | 135 | 145 | 155 | 165 | 175 |
| 30.0 | 80.0 | 106,200* | 102,700* | 99,200* | 95,900* | 92,600* | 88,600* | 84,900* | 81,200* | 76,500* | 72,400* | 68,000* |
| 32.0 | 79.0 | 97,300* | 93,900* | 90,400* | 87,400* | 84,200* | 80,300* | 76,700* | 73,100* | 68,600* | 64,800* | 60,500* |
| 34.0 | 78.0 | 89,600* | 86,400* | 83,000* | 80,100* | 77,100* | 73,200* | 69,800* | 66,300* | 62,000* | 58,300* | 54,200* |
| 36.0 | 76.9 | 82,900* | 79,800* | 76,500* | 73,800* | 70,800* | 67,000* | 63,700* | 60,400* | 56,200* | 52,600* | 48,700* |
| 38.0 | 75.9 | 76,200* | 73,200* | 70,100* | 67,400* | 64,500* | 60,800* | 57,700* | 54,500* | 50,400* | 46,900* | 43,200* |
| 40.0 | 74.9 | 69,900 | 67,000 | 64,000 | 61,400 | 58,500 | 55,000 | 52,000 | 48,900 | 44,900 | 41,500 | 38,000 |
| 45.0 | 72.3 | 56,500 | 53,600 | 50,700 | 48,200 | 45,600 | 42,400 | 39,500 | 36,600 | 32,800 | 29,700 | 26,400 |
| 50.0 | 69.7 | 46,000 | 43,400 | 40,600 | 38,300 | 35,800 | 32,700 | 30,000 | 27,200 | 23,800 | 20,700 | 17,500 |
| 55.0 | 67.0 | 37,600 | 35,100 | 32,300 | 30,200 | 27,800 | 24,800 | 22,200 | 19,600 | 16,400 | | |
| 60.0 | 64.3 | 30,700 | 28,300 | 25,600 | 23,700 | 21,300 | 18,400 | | | | | |
| 65.0 | 61.5 | 25,300 | 22,900 | 20,400 | 18,400 | 16,200 | 13,600 | | | | | |
| 70.0 | 58.6 | 20,800 | 18,500 | 16,100 | 14,100 | | | | | | | |
| 75.0 | 55.6 | 17,100 | 14,900 | | | | | | | | | |
| 80.0 | 52.5 | 14,000 | | | | | | | | | | |
| 85.0 | 49.2 | 11,100 | | | | | | | | | | |
| Reeves | | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |

127' Boom

| Load Radius (ft) | Boom Angle (deg.) | Jib Length (ft) | | | | | | | | | | |
|------------------|-------------------|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | 75 | 85 | 95 | 105 | 115 | 125 | 135 | 145 | 155 | 165 | 175 |
| 32.0 | 79.9 | 95,400* | 92,100* | 88,600* | 85,500* | 82,500* | 78,500* | 75,200* | 71,500* | 67,300* | 63,400* | 59,200* |
| 34.0 | 78.9 | 87,300* | 84,300* | 81,000* | 78,000* | 75,000* | 71,300* | 67,800* | 64,400* | 60,300* | 56,600* | 52,700* |
| 36.0 | 78.0 | 80,700* | 77,700* | 74,500* | 71,700* | 68,800* | 65,100* | 61,800* | 58,500* | 54,500* | 50,900* | 47,200* |
| 38.0 | 77.1 | 74,100* | 71,200* | 68,100* | 65,300* | 62,600* | 59,000* | 55,900* | 52,700* | 48,800* | 45,300* | 41,600* |
| 40.0 | 76.1 | 68,100 | 65,200 | 62,200 | 59,500 | 56,900 | 53,400 | 50,400 | 47,300 | 43,600 | 40,100 | 36,600 |
| 45.0 | 73.8 | 55,800 | 53,100 | 50,200 | 47,800 | 45,300 | 42,000 | 39,300 | 36,400 | 32,800 | 29,700 | 26,300 |
| 50.0 | 71.4 | 45,600 | 42,900 | 40,200 | 37,900 | 35,500 | 32,500 | 29,800 | 27,100 | 23,700 | 20,800 | 17,700 |
| 55.0 | 69.0 | 37,200 | 34,600 | 32,100 | 29,900 | 27,500 | 24,700 | 22,100 | 19,500 | 16,200 | | |
| 60.0 | 66.5 | 30,500 | 28,000 | 25,600 | 23,400 | 21,200 | 18,400 | | | | | |
| 65.0 | 63.9 | 25,100 | 22,700 | 20,200 | 18,200 | 16,000 | 13,400 | | | | | |
| 70.0 | 61.4 | 20,600 | 18,300 | 15,900 | 14,100 | | | | | | | |
| 75.0 | 58.7 | 16,700 | 14,600 | | | | | | | | | |
| Reeves | | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

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

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

Refer to notes P13 and P14.



Luffing Boom With Luffing Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

137' Boom

| Load Radius (ft) | Boom Angle (deg.) | Jib Length (ft) | | | | | | | | | | |
|------------------|-------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | 75 | 85 | 95 | 105 | 115 | 125 | 135 | 145 | 155 | 165 | 175 |
| 34.0 | 79.7 | 85,500* | 82,300* | 79,000* | 76,100* | 73,300* | 69,600* | 66,300* | 62,800* | 58,700* | 54,900* | 51,200* |
| 36.0 | 78.9 | 79,100* | 76,000* | 72,800* | 70,000* | 67,200* | 63,700* | 60,500* | 57,100* | 53,100* | 49,600* | 45,900* |
| 38.0 | 78.0 | 72,700* | 69,700* | 66,600* | 63,900* | 61,200* | 57,800* | 54,600* | 51,500* | 47,600* | 44,200* | 40,600* |
| 40.0 | 77.2 | 66,900 | 64,000 | 61,000 | 58,400 | 55,700 | 52,400 | 49,400 | 46,300 | 42,600 | 39,300 | 35,800 |
| 45.0 | 75.0 | 55,600 | 52,900 | 50,000 | 47,800 | 45,100 | 42,000 | 39,300 | 36,400 | 32,900 | 29,700 | 26,600 |
| 50.0 | 72.8 | 45,600 | 42,900 | 40,200 | 38,000 | 35,600 | 32,600 | 30,000 | 27,300 | 23,900 | 21,100 | 18,000 |
| 55.0 | 70.6 | 37,200 | 34,600 | 32,100 | 29,900 | 27,700 | 24,700 | 22,300 | 19,800 | 16,500 | | |
| 60.0 | 68.3 | 30,400 | 28,000 | 25,600 | 23,400 | 21,300 | 18,600 | 16,200 | | | | |
| 65.0 | 66.0 | 24,900 | 22,700 | 20,200 | 18,200 | 16,200 | 13,600 | 11,200 | | | | |
| 70.0 | 63.7 | 20,500 | 18,300 | 15,900 | 14,100 | | | | | | | |
| 75.0 | 61.3 | 16,700 | 14,500 | | | | | | | | | |
| Reeves | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |

147' Boom

| Load Radius (ft) | Boom Angle (deg.) | Jib Length (ft) | | | | | | | | | | |
|------------------|-------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | 75 | 85 | 95 | 105 | 115 | 125 | 135 | 145 | 155 | 165 | 175 |
| 36.0 | 79.7 | 77,500* | 74,700* | 71,400* | 68,800* | 66,000* | 62,300* | 59,300* | 56,000* | 52,100* | 48,600* | 44,900* |
| 38.0 | 78.9 | 71,500* | 68,800* | 65,600* | 63,000* | 60,300* | 56,800* | 53,900* | 50,700* | 46,900* | 43,500* | 39,900* |
| 40.0 | 78.1 | 66,000* | 63,400* | 60,300* | 57,700* | 55,100* | 51,800* | 48,900* | 45,900* | 42,200* | 38,900* | 35,400* |
| 45.0 | 76.0 | 55,100* | 52,500* | 49,600* | 47,300* | 44,800* | 41,500* | 38,900* | 36,200* | 32,600* | 29,700* | 26,300* |
| 50.0 | 74.0 | 45,400 | 42,900 | 40,200 | 38,000 | 35,700 | 32,700 | 30,200 | 27,500 | 24,100 | 21,400 | 18,400 |
| 55.0 | 72.0 | 37,100 | 34,800 | 32,100 | 30,000 | 27,800 | 25,000 | 22,600 | 20,000 | 16,900 | | |
| 60.0 | 69.9 | 30,200 | 28,000 | 25,400 | 23,400 | 21,300 | 18,600 | 16,200 | | | | |
| 65.0 | 67.8 | 24,900 | 22,700 | 20,200 | 18,200 | 16,200 | 13,600 | 11,400 | | | | |
| 70.0 | 65.6 | 20,400 | 18,200 | 15,900 | 13,900 | | | | | | | |
| 75.0 | 63.4 | 16,500 | 14,400 | | | | | | | | | |
| Reeves | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |

157' Boom

| Load Radius (ft) | Boom Angle (deg.) | Jib Length (ft) | | | | | | | | | | |
|------------------|-------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | 75 | 85 | 95 | 105 | 115 | 125 | 135 | 145 | 155 | 165 | 175 |
| 38.0 | 79.6 | 69,900* | 67,000* | 64,000* | 61,400* | 58,600* | 55,300* | 52,300* | 49,200* | 45,400* | 42,200* | 38,700* |
| 40.0 | 78.8 | 64,900* | 62,100* | 59,200* | 56,600* | 54,000* | 50,700* | 47,800* | 44,800* | 41,100* | 38,000* | 34,500* |
| 45.0 | 77.0 | 53,800* | 51,100* | 48,500* | 46,000* | 43,600* | 40,600* | 37,800* | 35,100* | 31,700* | 28,600* | 25,500* |
| 50.0 | 75.1 | 44,800 | 42,300 | 39,800 | 37,500 | 35,200 | 32,300 | 29,700 | 27,100 | 23,900 | 21,100 | 18,200 |
| 55.0 | 73.2 | 36,900 | 34,600 | 32,100 | 30,000 | 27,800 | 25,000 | 22,600 | 20,100 | 17,000 | | |
| 60.0 | 71.2 | 30,000 | 27,800 | 25,400 | 23,400 | 21,300 | 18,600 | 16,200 | | | | |
| 65.0 | 69.3 | 24,600 | 22,400 | 20,000 | 18,200 | 16,200 | 13,600 | 11,400 | | | | |
| 70.0 | 67.3 | 20,200 | 18,100 | 15,800 | 13,900 | | | | | | | |
| 75.0 | 65.2 | 16,300 | 14,300 | | | | | | | | | |
| Reeves | | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |

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

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

Refer to notes P13 and P14.

LIFTING CAPACITY



Luffing Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

107' Boom

| Load Radius (ft) | 75 ft Jib | | | | | | 85 ft Jib | | | | | | 95 ft Jib | | | | | | Load Radius (ft) |
|------------------------|-------------------|---------|--------|--------|--------|--------|-------------------|---------|--------|--------|--------|--------|-------------------|---------|--------|--------|--------|--------|------------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | |
| 40 | 79,000* | | | | | | | | | | | | 66,000* | | | | | | 40 |
| 45 | 72,000* | | | | | | | | | | | | 59,000* | | | | | | 45 |
| 50 | 65,000* | | | | | | 66,000* | | | | | | 53,100* | | | | | | 50 |
| 55 | 59,000* | | | | | | 59,000* | | | | | | 46,500* | | | | | | 55 |
| 60 | 52,200* | 57,200 | | | | | 52,900* | 56,700 | | | | | 41,000* | 46,400 | | | | | 60 |
| 65 | 45,400* | 51,500 | | | | | 46,200* | 51,400 | | | | | 36,500* | 42,500 | | | | | 65 |
| 70 | 39,900* | 46,800* | 44,200 | | | | 40,700* | 46,800 | | | | | 32,600* | 39,100 | 36,300 | | | | 70 |
| 75 | 35,000* | 42,700* | 40,600 | | | | 36,100* | 42,800 | | | | | 29,300* | 36,100 | 33,900 | | | | 75 |
| 80 | 29,700* | 39,200* | 37,400 | | | | 32,100* | 39,400 | 37,000 | | | | 26,400* | 33,300* | 31,500 | | | | 80 |
| 85 | | 35,200* | 34,700 | 32,100 | | | 28,800* | 36,400 | 34,200 | | | | 23,800* | 30,400* | 29,400 | | | | 85 |
| 90 | | 31,000* | 32,200 | 30,200 | | | | 33,200* | 31,800 | | | | | 27,300* | 27,400 | 25,700 | | | 90 |
| 95 | | | 30,000 | 28,100 | | | | 29,700* | 29,700 | 27,900 | | | | 24,600* | 25,700 | 24,100 | | | 95 |
| 100 | | | 28,100 | 26,300 | 24,200 | | | 26,400* | 27,700 | 26,100 | 22,100 | | | 21,800* | 24,200 | 22,700 | | | 100 |
| 105 | | | 26,300 | 24,600 | 23,100 | | | 20,700* | 26,100 | 24,500 | 22,100 | | | | 22,800 | 21,300 | 19,400 | | 105 |
| 110 | | | | 23,100 | 21,800 | | | | 24,500 | 23,000 | 21,300 | | | | 21,400 | 20,100 | 18,700 | 15,700 | 110 |
| 115 | | | | | 20,500 | 18,600 | | | 23,000 | 21,700 | 20,100 | | | | | 20,100 | 18,700 | 15,700 | 115 |
| 120 | | | | | 19,400 | 17,900 | | | | 20,500 | 19,000 | 17,100 | | | | 20,100 | 18,700 | 15,700 | 120 |
| 125 | | | | | | 16,900 | | | | | 17,900 | 16,600 | | | | 19,000 | 17,600 | 15,300 | 125 |
| 130 | | | | | | | | | | | | 15,700 | | | | 18,000 | 16,700 | 15,300 | 130 |
| 135 | | | | | | | | | | | | 14,800 | | | | | 15,800 | 14,500 | 135 |
| 140 | | | | | | | | | | | | | | | | | 14,900 | 13,700 | 140 |
| 145 | | | | | | | | | | | | | | | | | | 13,100 | 145 |
| 150 | | | | | | | | | | | | | | | | | | 12,400 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 4 | | | | | | 4 | | | | | | 4 | | | | | | Reeves |

107' Boom

| Load Radius (ft) | 105 ft Jib | | | | | | 115 ft Jib | | | | | | 125 ft Jib | | | | | | Load Radius (ft) |
|------------------------|-------------------|---------|--------|--------|--------|--------|-------------------|---------|---------|--------|--------|--------|-------------------|---------|---------|--------|--------|--------|------------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | |
| 40 | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 64,000* | | | | | | 56,500* | | | | | | 51,700* | | | | | | 45 |
| 50 | 59,000* | | | | | | 53,000* | | | | | | 49,500* | | | | | | 50 |
| 55 | 53,300* | | | | | | 46,700* | | | | | | 46,000* | | | | | | 55 |
| 60 | 46,700* | | | | | | 41,400* | | | | | | 41,800* | | | | | | 60 |
| 65 | 41,200* | 46,100 | | | | | 37,000* | 41,900 | | | | | 37,200* | 41,300 | | | | | 65 |
| 70 | 36,800* | 42,200 | | | | | 33,200* | 38,600 | | | | | 33,500* | 38,200 | | | | | 70 |
| 75 | 33,000* | 38,900 | | | | | 29,900* | 35,700 | | | | | 30,200* | 35,300 | | | | | 75 |
| 80 | 29,700* | 35,900 | 33,200 | | | | 27,100* | 32,900* | | | | | 27,300* | 32,400* | | | | | 80 |
| 85 | 26,800* | 33,100* | 31,100 | | | | 24,600* | 30,400* | 28,800 | | | | 24,900* | 29,900* | 28,100 | | | | 85 |
| 90 | 24,400* | 30,600* | 29,100 | | | | 22,400* | 28,200* | 27,000 | | | | 22,700* | 27,700* | 26,800 | | | | 90 |
| 95 | 22,000* | 27,900* | 27,200 | | | | 20,500* | 25,500* | 25,200 | | | | 20,700* | 25,500* | 25,200 | | | | 95 |
| 100 | | 25,300* | 25,500 | 23,500 | | | 22,400* | 28,200* | 27,000 | | | | 22,700* | 27,700* | 26,800 | | | | 100 |
| 105 | | 22,900* | 24,000 | 22,400 | | | 18,700* | 23,300* | 23,800 | 22,200 | | | 18,900* | 23,300* | 23,600 | | | | 105 |
| 110 | | 20,900* | 22,500 | 21,100 | | | 16,900* | 21,300* | 22,300 | 20,900 | | | 17,100* | 21,300* | 22,200 | 20,200 | | | 110 |
| 115 | | 18,500* | 21,300 | 19,900 | 18,100 | | | 19,400* | 21,100 | 19,700 | | | 15,600* | 19,600* | 21,000 | 19,400 | | | 115 |
| 120 | | | 20,100 | 18,900 | 17,400 | | | 17,800* | 19,900 | 18,700 | 16,600 | | 14,100* | 17,800* | 19,900 | 18,200 | | | 120 |
| 125 | | | 19,000 | 17,800 | 16,500 | | | 15,600* | 18,900 | 17,700 | 16,200 | | | 16,500* | 18,800 | 17,300 | | | 125 |
| 130 | | | | 16,900 | 15,600 | 13,700 | | | 17,900 | 16,700 | 15,400 | | | 14,900* | 17,800 | 16,400 | 14,900 | | 130 |
| 135 | | | | | 13,500 | | | | 16,300* | 15,900 | 14,500 | 12,600 | | 13,200* | 16,900 | 15,500 | 14,200 | | 135 |
| 140 | | | | | 12,800 | | | | | | 13,800 | 12,500 | | | 16,900 | 15,500 | 14,200 | | 140 |
| 145 | | | | | 12,200 | | | | | 15,100 | 13,200 | 11,900 | | | 15,900* | 14,700 | 13,400 | 11,400 | 145 |
| 150 | | | | | 11,500 | | | | | | 12,500 | 11,200 | | | 14,500* | 14,100 | 12,700 | 10,800 | 150 |
| 155 | | | | | | | | | | | | 10,600 | | | | 13,400 | 12,200 | 10,200 | 155 |
| 160 | | | | | | | | | | | | 10,100 | | | | | 11,500 | 9,700 | 160 |
| 165 | | | | | | | | | | | | | | | | | 11,000 | 9,100 | 165 |
| 170 | | | | | | | | | | | | | | | | | | 8,700 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 4 | | | | | | 4 | | | | | | 4 | | | | | | Reeves |

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

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

Refer to notes P13 and P14.



Luffing Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

107' Boom

| Load Radius (ft) | 135 ft Jib | | | | | | 145 ft Jib | | | | | | 155 ft Jib | | | | | | Load Radius (ft) |
|------------------------|-------------------|---------|---------|--------|--------|-------|-------------------|---------|---------|--------|--------|-------|-------------------|----|----|----|----|----|------------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | |
| 40 | | | | | | | | | | | | | | | | | | | 40 |
| 45 | | | | | | | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | | | | | | | 50 |
| 55 | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 46,000* | | | | | | 41,600* | | | | | | | | | | | | 60 |
| 65 | 44,000* | | | | | | 40,000* | | | | | | | | | | | | 65 |
| 70 | 41,800* | | | | | | 38,100* | | | | | | | | | | | | 70 |
| 75 | 37,200* | | | | | | 36,800* | | | | | | | | | | | | 75 |
| 80 | 33,500* | | | | | | 34,600* | | | | | | | | | | | | 80 |
| 85 | 30,200* | 37,600 | | | | | 30,800* | | | | | | | | | | | | 85 |
| 90 | 27,300* | 35,000 | | | | | 27,900* | 32,000* | | | | | | | | | | | 90 |
| 95 | 24,900* | 32,200* | | | | | 25,300* | 29,500* | | | | | | | | | | | 95 |
| 100 | 22,700* | 27,500* | 26,000 | | | | 23,100* | 27,300* | | | | | | | | | | | 100 |
| 105 | 20,700* | 25,500* | 24,900 | | | | 21,100* | 25,300* | | | | | | | | | | | 105 |
| 110 | 18,900* | 23,300* | 23,300 | | | | 19,400* | 23,100* | 23,100 | | | | | | | | | | 110 |
| 115 | 17,400* | 21,300* | 22,000 | | | | 17,800* | 21,300* | 21,800 | | | | | | | | | | 115 |
| 120 | 15,800* | 19,600* | 20,800 | 18,800 | | | 16,500* | 19,600* | 20,600 | | | | | | | | | | 120 |
| 125 | 14,500* | 18,000* | 19,700 | 18,000 | | | 15,200* | 18,000* | 19,400 | | | | | | | | | | 125 |
| 130 | 13,200* | 16,500* | 18,600 | 17,000 | | | 13,800* | 16,500* | 18,400 | 16,700 | | | | | | | | | 130 |
| 135 | 11,900* | 15,200* | 17,600 | 16,200 | | | 12,700* | 15,200* | 17,400 | 15,800 | | | | | | | | | 135 |
| 140 | | 14,100* | 16,700 | 15,300 | 13,600 | | 11,600* | 14,100* | 16,500 | 15,100 | | | | | | | | | 140 |
| 145 | | 12,700* | 15,900 | 14,500 | 13,200 | | | 13,000* | 15,700 | 14,300 | | | | | | | | | 145 |
| 150 | | | 14,900* | 13,800 | 12,500 | | | 11,900* | 14,900 | 13,600 | 12,200 | | | | | | | | 150 |
| 155 | | | 13,600* | 13,200 | 11,900 | 9,800 | | 11,000* | 13,900* | 13,000 | 11,500 | | | | | | | | 155 |
| 160 | | | 12,300* | 12,500 | 11,300 | 9,800 | | 9,200* | 12,700* | 12,300 | 11,000 | | | | | | | | 160 |
| 165 | | | | 12,000 | 10,600 | 9,300 | | | 11,600* | 11,700 | 10,400 | 8,900 | | | | | | | 165 |
| 170 | | | | 11,300 | 10,100 | 8,900 | | | | 10,600 | 9,300 | 8,100 | | | | | | | 170 |
| 175 | | | | | 9,700 | 8,300 | | | | | 8,900 | 7,700 | | | | | | | 175 |
| 180 | | | | | | 7,900 | | | | | 8,400 | 7,200 | | | | | | | 180 |
| 185 | | | | | | 7,400 | | | | | | 6,800 | | | | | | | 185 |
| 190 | | | | | | | | | | | | 6,500 | | | | | | | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 3 | | | | | | 3 | | | | | | 3 | | | | | | Reeves |

107' Boom

| Load Radius (ft) | 165 ft Jib | | | | | | 175 ft Jib | | | | | | | | | | | | Load Radius (ft) |
|------------------------|-------------------|---------|---------|--------|-------|----|-------------------|---------|---------|--------|-------|----|--|--|--|--|--|--|------------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | 40 |
| 45 | | | | | | | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | | | | | | | 50 |
| 55 | | | | | | | | | | | | | | | | | | | 55 |
| 60 | | | | | | | | | | | | | | | | | | | 60 |
| 65 | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 32,000* | | | | | | | | | | | | | | | | | | 70 |
| 75 | 31,000* | | | | | | 28,800* | | | | | | | | | | | | 75 |
| 80 | 29,800* | | | | | | 27,500* | | | | | | | | | | | | 80 |
| 85 | 28,500* | | | | | | 26,700* | | | | | | | | | | | | 85 |
| 90 | 27,100* | | | | | | 25,500* | | | | | | | | | | | | 90 |
| 95 | 24,900* | 29,100* | | | | | 24,100* | 28,200 | | | | | | | | | | | 95 |
| 100 | 22,700* | 26,600* | | | | | 22,400* | 27,100 | | | | | | | | | | | 100 |
| 105 | 20,700* | 24,600* | | | | | 20,500* | 25,500 | | | | | | | | | | | 105 |
| 110 | 19,100* | 22,900* | | | | | 18,900* | 24,000* | | | | | | | | | | | 110 |
| 115 | 17,600* | 21,100* | 21,000 | | | | 17,400* | 22,200* | | | | | | | | | | | 115 |
| 120 | 16,200* | 19,400* | 19,900 | | | | 15,800* | 20,500* | 19,100 | | | | | | | | | | 120 |
| 125 | 14,700* | 17,800* | 18,800 | | | | 14,700* | 18,700* | 18,500 | | | | | | | | | | 125 |
| 130 | 13,600* | 16,500* | 17,700 | | | | 13,400* | 17,100* | 17,500 | | | | | | | | | | 130 |
| 135 | 12,500* | 15,200* | 16,800 | 14,500 | | | 12,500* | 15,800* | 16,500 | | | | | | | | | | 135 |
| 140 | 11,600* | 13,800* | 15,900 | 14,400 | | | 11,200* | 14,700* | 15,600 | 13,400 | | | | | | | | | 140 |
| 145 | 10,500* | 12,700* | 15,100 | 13,600 | | | | 13,400* | 14,800 | 13,400 | | | | | | | | | 145 |
| 150 | 9,200* | 11,900* | 14,300 | 13,000 | | | | 12,500* | 14,100 | 12,600 | | | | | | | | | 150 |
| 155 | | 11,000* | 13,600 | 12,300 | | | | 11,400* | 13,400 | 12,100 | | | | | | | | | 155 |
| 160 | | 10,100* | 12,700* | 11,600 | 9,800 | | | 10,500* | 12,600 | 11,400 | 9,100 | | | | | | | | 160 |
| 165 | | 9,200* | 11,600* | 11,100 | 9,700 | | | 9,000* | 11,600* | 10,800 | 9,000 | | | | | | | | 165 |
| 170 | | 8,300* | 10,800* | 10,500 | 9,100 | | | | 10,800* | 10,200 | 8,800 | | | | | | | | 170 |
| 175 | | | 9,900* | 10,000 | 8,500 | | | | 9,900* | 9,700 | 8,300 | | | | | | | | 175 |
| 180 | | | 9,200* | 9,400 | 8,100 | | | | 9,000* | 9,100 | 7,800 | | | | | | | | 180 |
| 185 | | | 8,300* | 9,000 | 7,700 | | | | | 8,700 | 7,300 | | | | | | | | 185 |
| 190 | | | | 8,500 | 7,200 | | | | | 8,200 | 7,000 | | | | | | | | 190 |
| 195 | | | | 8,100 | 6,900 | | | | | 7,800 | 6,600 | | | | | | | | 195 |
| 200 | | | | 7,700 | 6,500 | | | | | 7,300 | 6,200 | | | | | | | | 200 |
| 205 | | | | | 6,100 | | | | | | 5,800 | | | | | | | | 205 |
| 210 | | | | | 5,800 | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 3 | | | | | | 3 | | | | | | | | | | | | Reeves |

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

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

Refer to notes P13 and P14.

LIFTING CAPACITY



Luffing Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

117' Boom

| Load Radius (ft) | 75 ft Jib | | | | | | 85 ft Jib | | | | | | 95 ft Jib | | | | | | Load Radius (ft) |
|------------------------|-------------------|---------|--------|--------|--------|--------|-------------------|---------|--------|--------|--------|--------|-------------------|---------|--------|--------|--------|--------|------------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | |
| 40 | 78,000* | | | | | | | | | | | | | | | | | | 40 |
| 45 | 71,000* | | | | | | | | | | | | | | | | | | 45 |
| 50 | 64,000* | | | | | | 64,500* | | | | | | 64,000* | | | | | | 50 |
| 55 | 58,000* | | | | | | 59,000* | | | | | | 58,300* | | | | | | 55 |
| 60 | 52,600* | 56,600 | | | | | 53,300* | 56,200 | | | | | 53,200* | | | | | | 60 |
| 65 | 45,800* | 51,100 | | | | | 46,500* | 51,000 | | | | | 46,900* | 50,300 | | | | | 65 |
| 70 | 40,100* | 46,500 | | | | | 41,000* | 46,400 | | | | | 41,400* | 46,000 | | | | | 70 |
| 75 | 35,200* | 42,500 | 40,000 | | | | 36,300* | 42,500 | | | | | 36,800* | 42,100 | | | | | 75 |
| 80 | | 39,200 | 36,800 | | | | 32,400* | 39,100 | 36,400 | | | | 32,800* | 38,800 | | | | | 80 |
| 85 | | 36,200 | 34,100 | | | | 28,800* | 36,200 | 33,700 | | | | 29,500* | 35,900 | 33,200 | | | | 85 |
| 90 | | 31,900* | 31,700 | | | | 24,900* | 33,600 | 31,300 | | | | 26,400* | 33,200 | 30,900 | | | | 90 |
| 95 | | | 29,500 | 27,600 | | | | 30,400* | 29,200 | 26,600 | | | | 31,000 | 28,800 | | | | 95 |
| 100 | | | 27,600 | 25,900 | | | | 27,100* | 27,300 | 25,400 | | | | 28,100* | 27,000 | 24,400 | | | 100 |
| 105 | | | 25,900 | 24,200 | | | | 22,400* | 25,600 | 23,900 | | | | 25,300* | 25,300 | 23,400 | | | 105 |
| 110 | | | | 22,800 | | | | | 24,100 | 22,400 | | | | 22,700* | 23,800 | 22,100 | | | 110 |
| 115 | | | | | 21,000 | | | | | 21,100 | 19,200 | | | | 22,300 | 20,800 | | | 115 |
| 120 | | | | | 19,800 | | | | | 19,900 | 18,200 | | | | 21,100 | 19,600 | 17,900 | | 120 |
| 125 | | | | | 18,700 | 17,100 | | | | | 17,300 | 15,300 | | | 19,900 | 18,600 | 16,900 | | 125 |
| 130 | | | | | | 15,300 | | | | | 16,400 | | | | | 17,500 | 16,000 | | 130 |
| 135 | | | | | | | | | | | | 14,100 | | | | | 15,200 | 13,700 | 135 |
| 140 | | | | | | | | | | | | 13,400 | | | | | 14,400 | 13,000 | 140 |
| 145 | | | | | | | | | | | | 12,600 | | | | | 13,600 | 12,200 | 145 |
| 150 | | | | | | | | | | | | | | | | | | 11,500 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 4 | | | | | | 4 | | | | | | 4 | | | | | | Reeves |

117' Boom

| Load Radius (ft) | 105 ft Jib | | | | | | 115 ft Jib | | | | | | 125 ft Jib | | | | | | Load Radius (ft) |
|------------------------|-------------------|---------|--------|--------|--------|--------|-------------------|---------|--------|--------|--------|--------|-------------------|---------|--------|--------|--------|-------|------------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | |
| 40 | | | | | | | | | | | | | | | | | | | 40 |
| 45 | | | | | | | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 58,000* | | | | | | 53,800* | | | | | | 48,300* | | | | | | 55 |
| 60 | 53,500* | | | | | | 50,900* | | | | | | 46,400* | | | | | | 60 |
| 65 | 47,100* | | | | | | 47,100* | | | | | | 45,000* | | | | | | 65 |
| 70 | 41,600* | 45,400 | | | | | 41,600* | | | | | | 41,000* | | | | | | 70 |
| 75 | 37,000* | 41,800 | | | | | 37,200* | 41,500 | | | | | 37,400* | | | | | | 75 |
| 80 | 33,200* | 38,500 | | | | | 33,200* | 38,200 | | | | | 33,700* | 37,500 | | | | | 80 |
| 85 | 29,900* | 35,600 | 32,700 | | | | 30,200* | 35,300 | | | | | 30,400* | 35,000 | | | | | 85 |
| 90 | 27,100* | 33,000 | 30,600 | | | | 27,300* | 32,800 | | | | | 27,500* | 32,500 | | | | | 90 |
| 95 | 24,400* | 30,800 | 28,500 | | | | 24,600* | 30,600 | 28,300 | | | | 24,900* | 30,300 | | | | | 95 |
| 100 | 22,200* | 28,600* | 26,600 | | | | 22,400* | 28,500* | 26,400 | | | | 22,700* | 28,100* | | | | | 100 |
| 105 | 20,000* | 25,700* | 25,000 | 22,700 | | | 20,500* | 26,200* | 24,800 | | | | 20,700* | 26,000* | 24,600 | | | | 105 |
| 110 | | 23,500* | 23,500 | 21,800 | | | 18,700* | 23,800* | 23,200 | 20,900 | | | 18,900* | 23,800* | 23,200 | | | | 110 |
| 115 | | 21,300* | 22,100 | 20,600 | | | 16,900* | 21,800* | 21,900 | 20,200 | | | 17,400* | 21,800* | 21,800 | 19,200 | | | 115 |
| 120 | | 19,100* | 20,900 | 19,400 | | | | 19,800* | 20,700 | 19,100 | | | 15,800* | 20,000* | 20,600 | 18,700 | | | 120 |
| 125 | | 15,800* | 19,800 | 18,400 | 16,000 | | | 18,000* | 19,600 | 18,000 | | | 14,300* | 18,200* | 19,500 | 17,700 | | | 125 |
| 130 | | | 17,400 | 15,700 | 15,700 | | | 16,500* | 18,500 | 17,100 | | | | 16,700* | 18,500 | 16,700 | | | 130 |
| 135 | | | 17,700 | 16,500 | 14,900 | | | | 17,600 | 16,300 | 14,700 | | | 15,400* | 17,500 | 15,800 | 13,600 | | 135 |
| 140 | | | | 15,600 | 14,200 | 12,600 | | | | 15,400 | 13,900 | | | 13,800* | 16,600 | 15,100 | 13,500 | | 140 |
| 145 | | | | 14,800 | 13,400 | 12,000 | | | | 14,600 | 13,200 | 11,000 | | | 15,700 | 14,300 | 12,800 | | 145 |
| 150 | | | | | 12,700 | 11,300 | | | | | 13,900 | | | | | 13,600 | 12,100 | | 150 |
| 155 | | | | | | 10,600 | | | | | | 12,500 | 11,000 | | | 13,000 | 11,500 | 9,900 | 155 |
| 160 | | | | | | 10,100 | | | | | | 12,000 | 10,400 | | | 13,000 | 11,500 | 9,900 | 160 |
| 165 | | | | | | 9,500 | | | | | | 11,300 | 9,900 | | | 12,300 | 10,900 | 9,300 | 165 |
| 170 | | | | | | | | | | | | 10,800 | 9,300 | | | | 10,300 | 8,900 | 170 |
| 175 | | | | | | | | | | | | | 8,800 | | | | | 8,300 | 175 |
| 180 | | | | | | | | | | | | | | | | | | 7,900 | 180 |
| 185 | | | | | | | | | | | | | | | | | | 7,400 | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 4 | | | | | | 4 | | | | | | 4 | | | | | | Reeves |

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

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

Refer to notes P13 and P14.



Luffing Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

117' Boom

| Load Radius (ft) | 135 ft Jib | | | | | | 145 ft Jib | | | | | | 155 ft Jib | | | | | | Load Radius (ft) |
|------------------------|-------------------|---------|---------|--------|--------|-------|-------------------|---------|---------|--------|--------|-------|-------------------|----|----|----|----|----|------------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | |
| 40 | | | | | | | | | | | | | | | | | | | 40 |
| 45 | | | | | | | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | | | | | | | 50 |
| 55 | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 43,500* | | | | | | 39,400* | | | | | | | | | | | | 60 |
| 65 | 42,000* | | | | | | 38,000* | | | | | | | | | | | | 65 |
| 70 | 40,200* | | | | | | 36,300* | | | | | | | | | | | | 70 |
| 75 | 37,400* | | | | | | 35,000* | | | | | | | | | | | | 75 |
| 80 | 33,500* | 37,200 | | | | | 33,000* | | | | | | | | | | | | 80 |
| 85 | 30,400* | 34,700 | | | | | 30,800* | 34,100 | | | | | | | | | | | 85 |
| 90 | 27,500* | 32,100 | | | | | 27,900* | 31,900 | | | | | | | | | | | 90 |
| 95 | 24,900* | 29,900 | | | | | 25,500* | 29,700 | | | | | | | | | | | 95 |
| 100 | 22,700* | 27,800* | 25,400 | | | | 23,300* | 27,600* | | | | | | | | | | | 100 |
| 105 | 20,700* | 25,700* | 24,400 | | | | 21,300* | 25,500* | 23,400 | | | | | | | | | | 105 |
| 110 | 18,900* | 23,800* | 22,900 | | | | 19,600* | 23,500* | 22,700 | | | | | | | | | | 110 |
| 115 | 17,400* | 21,800* | 21,600 | | | | 18,000* | 21,800* | 21,300 | | | | | | | | | | 115 |
| 120 | 15,800* | 20,000* | 20,300 | 17,800 | | | 16,500* | 20,000* | 20,100 | | | | | | | | | | 120 |
| 125 | 14,500* | 18,200* | 19,200 | 17,400 | | | 15,200* | 18,200* | 19,000 | 16,500 | | | | | | | | | 125 |
| 130 | 13,400* | 16,900* | 18,100 | 16,500 | | | 13,800* | 16,900* | 17,900 | 16,200 | | | | | | | | | 130 |
| 135 | 12,100* | 15,600* | 17,300 | 15,600 | | | 12,700* | 15,600* | 17,000 | 15,400 | | | | | | | | | 135 |
| 140 | | 14,300* | 16,400 | 14,800 | 12,500 | | 11,600* | 14,300* | 16,200 | 14,500 | | | | | | | | | 140 |
| 145 | | 13,000* | 15,600 | 14,100 | 12,500 | | 10,500* | 13,200* | 15,300 | 13,700 | 11,400 | | | | | | | | 145 |
| 150 | | 11,900* | 14,800 | 13,300 | 11,900 | | | 12,100* | 14,600 | 13,100 | 11,400 | | | | | | | | 150 |
| 155 | | | 14,100 | 12,600 | 11,200 | | | 11,000* | 13,800 | 12,400 | 10,900 | | | | | | | | 155 |
| 160 | | | 13,000* | 12,100 | 10,500 | 8,300 | | 9,900* | 13,200 | 11,900 | 10,300 | | | | | | | | 160 |
| 165 | | | 11,600* | 11,500 | 10,000 | 8,300 | | | 12,100* | 11,300 | 9,800 | 7,400 | | | | | | | 165 |
| 170 | | | | | 9,500 | 8,000 | | | 10,800 | 9,200 | 7,400 | | | | | | | | 170 |
| 175 | | | | | 9,000 | 7,600 | | | 10,200 | 8,700 | 7,300 | | | | | | | | 175 |
| 180 | | | | | 8,500 | 7,200 | | | 9,700 | 8,200 | 6,900 | | | | | | | | 180 |
| 185 | | | | | | 6,800 | | | 9,100 | 7,800 | 6,500 | | | | | | | | 185 |
| 190 | | | | | | | | | | 7,300 | 6,100 | | | | | | | | 190 |
| 195 | | | | | | | | | | | 5,800 | | | | | | | | 195 |
| 200 | | | | | | | | | | | 5,400 | | | | | | | | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 3 | | | | | | 3 | | | | | | 3 | | | | | | Reeves |

117' Boom

| Load Radius (ft) | 165 ft Jib | | | | | | 175 ft Jib | | | | | | | | | | | | Load Radius (ft) |
|------------------------|-------------------|---------|---------|--------|-------|----|-------------------|---------|---------|--------|-------|----|--|--|--|--|--|--|------------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | 40 |
| 45 | | | | | | | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | | | | | | | 50 |
| 55 | | | | | | | | | | | | | | | | | | | 55 |
| 60 | | | | | | | | | | | | | | | | | | | 60 |
| 65 | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 30,800* | | | | | | | | | | | | | | | | | | 70 |
| 75 | 29,500* | | | | | | 27,600* | | | | | | | | | | | | 75 |
| 80 | 28,300* | | | | | | 26,500* | | | | | | | | | | | | 80 |
| 85 | 27,500* | | | | | | 25,300* | | | | | | | | | | | | 85 |
| 90 | 26,300* | | | | | | 24,200* | | | | | | | | | | | | 90 |
| 95 | 25,100* | 29,000 | | | | | 23,600* | 27,300 | | | | | | | | | | | 95 |
| 100 | 22,900* | 27,100 | | | | | 22,700* | 26,100 | | | | | | | | | | | 100 |
| 105 | 20,900* | 24,900* | | | | | 20,700* | 25,400 | | | | | | | | | | | 105 |
| 110 | 19,100* | 23,100* | | | | | 18,900* | 23,900 | | | | | | | | | | | 110 |
| 115 | 17,600* | 21,600* | 19,900 | | | | 17,400* | 22,400 | | | | | | | | | | | 115 |
| 120 | 16,300* | 19,800* | 19,500 | | | | 16,000* | 20,900* | 18,500 | | | | | | | | | | 120 |
| 125 | 14,900* | 18,000* | 18,400 | | | | 14,700* | 19,100* | 18,000 | | | | | | | | | | 125 |
| 130 | 13,600* | 16,700* | 17,400 | | | | 13,600* | 17,600* | 17,000 | | | | | | | | | | 130 |
| 135 | 12,500* | 15,400* | 16,400 | | | | 12,500* | 16,300* | 16,200 | | | | | | | | | | 135 |
| 140 | 11,600* | 14,100* | 15,500 | 13,400 | | | 11,000* | 14,900* | 15,300 | | | | | | | | | | 140 |
| 145 | 10,800* | 13,000* | 14,700 | 13,200 | | | | 13,800* | 14,500 | | | | | | | | | | 145 |
| 150 | 8,800* | 12,100* | 13,900 | 12,400 | | | | 12,700* | 13,700 | 12,100 | | | | | | | | | 150 |
| 155 | | 11,000* | 13,300 | 11,700 | | | | 11,600* | 13,100 | 11,400 | | | | | | | | | 155 |
| 160 | | 10,100* | 12,600 | 11,100 | 8,800 | | | 10,800* | 12,400 | 10,900 | | | | | | | | | 160 |
| 165 | | 9,200* | 12,100 | 10,500 | 8,700 | | | | 11,700 | 10,200 | 7,800 | | | | | | | | 165 |
| 170 | | 8,500* | 11,200* | 10,000 | 8,400 | | | | 11,100* | 9,700 | 7,800 | | | | | | | | 170 |
| 175 | | | 10,300* | 9,400 | 7,900 | | | | 10,100* | 9,100 | 7,700 | | | | | | | | 175 |
| 180 | | | 9,400* | 9,000 | 7,400 | | | | 9,400* | 8,700 | 7,100 | | | | | | | | 180 |
| 185 | | | 8,500* | 8,400 | 7,000 | | | | | 8,200 | 6,800 | | | | | | | | 185 |
| 190 | | | | 8,000 | 6,700 | | | | | 7,800 | 6,300 | | | | | | | | 190 |
| 195 | | | | 7,700 | 6,200 | | | | | 7,300 | 6,000 | | | | | | | | 195 |
| 200 | | | | 7,200 | 5,900 | | | | | 6,900 | 5,600 | | | | | | | | 200 |
| 205 | | | | | 5,600 | | | | | 6,600 | 5,200 | | | | | | | | 205 |
| 210 | | | | | 5,200 | | | | | | 4,900 | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 3 | | | | | | 3 | | | | | | | | | | | | Reeves |

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

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

Refer to notes P13 and P14.

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

[illegible]

| Load Radius (ft) | 105 ft Jib | | | | | | 115 ft Jib | | | | | | 125 ft Jib | | | | | | Load Radius (ft) |
|------------------------|-------------------|---------|--------|--------|--------|--------|-------------------|---------|--------|--------|--------|-------|-------------------|---------|---------|--------|--------|-------|------------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | |
| 40 | | | | | | | | | | | | | | | | | | | 40 |
| 45 | | | | | | | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 55,200* | | | | | | 50,000* | | | | | | 46,000* | | | | | | 55 |
| 60 | 52,000* | | | | | | 48,000* | | | | | | 44,000* | | | | | | 60 |
| 65 | 47,300* | | | | | | 46,700* | | | | | | 42,000* | | | | | | 65 |
| 70 | 41,800* | | | | | | 42,100* | | | | | | 40,500* | | | | | | 70 |
| 75 | 37,200* | 41,400 | | | | | 37,400* | 40,700 | | | | | 37,900* | | | | | | 75 |
| 80 | 33,500* | 38,100 | | | | | 33,500* | 37,800 | | | | | 33,900* | 37,400 | | | | | 80 |
| 85 | 29,900* | 35,200 | | | | | 30,200* | 34,900 | | | | | 30,500* | 34,600 | | | | | 85 |
| 90 | 27,100* | 32,700 | | | | | 27,300* | 32,500 | | | | | 27,500* | 32,000 | | | | | 90 |
| 95 | 24,600* | 30,500 | 28,200 | | | | 24,900* | 30,300 | 27,300 | | | | 25,100* | 29,800 | | | | | 95 |
| 100 | 22,200* | 28,500 | 26,300 | | | | 22,700* | 28,300 | 26,100 | | | | 22,900* | 27,900 | 25,300 | | | | 100 |
| 105 | 20,200* | 26,500* | 24,800 | 21,800 | | | 20,700* | 26,500 | 24,400 | | | | 20,900* | 26,100* | 24,100 | | | | 105 |
| 110 | | 24,000* | 23,200 | 21,000 | | | 18,700* | 24,300* | 23,000 | | | | 18,900* | 24,300* | 22,700 | | | | 110 |
| 115 | | 21,800* | 21,900 | 19,800 | | | 17,100* | 22,200* | 21,700 | 19,500 | | | 17,400* | 22,200* | 21,300 | | | | 115 |
| 120 | | 19,600* | 20,700 | 18,700 | | | | 20,200* | 20,500 | 18,400 | | | 15,800* | 20,200* | 20,100 | 17,400 | | | 120 |
| 125 | | | 19,600 | 17,600 | 15,200 | | | 18,500* | 19,400 | 17,400 | | | 14,300* | 18,700* | 19,000 | 17,000 | | | 125 |
| 130 | | | | 16,700 | 14,900 | | | | 18,400 | 16,500 | | | | 17,100* | 17,900 | 16,000 | | | 130 |
| 135 | | | 17,500 | 15,800 | 14,100 | | | | 17,400 | 15,600 | 13,800 | | | 15,600* | 17,000 | 15,200 | | | 135 |
| 140 | | | | 14,900 | 13,400 | | | | 16,500 | 14,800 | | | | 14,300* | 16,200 | 14,400 | | | 140 |
| 145 | | | | 14,200 | 12,600 | | | | | 14,100 | 12,400 | | | | 15,400 | 13,700 | 11,900 | | 145 |
| 150 | | | | | 12,000 | 10,200 | | | | 13,300 | 11,700 | | | | 14,600 | 13,000 | 11,200 | | 150 |
| 155 | | | | | 11,300 | 9,700 | | | | 12,600 | 11,100 | 9,200 | | | 13,800* | 12,400 | 10,600 | | 155 |
| 160 | | | | | 10,600 | 9,100 | | | | | 10,500 | | | | | 11,700 | 10,000 | 8,100 | 160 |
| 165 | | | | | | 8,500 | | | | | | 8,800 | | | | | 9,500 | 7,900 | 165 |
| 170 | | | | | | | | | | | | 7,900 | | | | | 9,000 | 7,400 | 170 |
| 175 | | | | | | | | | | | | 7,400 | | | | | 8,400 | 7,000 | 175 |
| 180 | | | | | | | | | | | | | | | | | | 6,600 | 180 |
| 185 | | | | </ | | | | | | | | | | | | | | | |

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts. Refer to notes P13 and P14.



Luffing Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

127' Boom

| Load Radius (ft) | 135 ft Jib | | | | | | 145 ft Jib | | | | | | 155 ft Jib | | | | | | Load Radius (ft) |
|------------------------|-------------------|---------|---------|--------|--------|-------|-------------------|---------|---------|--------|-------|-------|-------------------|----|----|----|----|----|------------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | |
| 40 | | | | | | | | | | | | | | | | | | | 40 |
| 45 | | | | | | | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | | | | | | | 50 |
| 55 | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 41,000* | | | | | | 37,500* | | | | | | | | | | | | 60 |
| 65 | 39,500* | | | | | | 36,000* | | | | | | | | | | | | 65 |
| 70 | 38,000* | | | | | | 34,700* | | | | | | | | | | | | 70 |
| 75 | 36,700* | | | | | | 33,000* | | | | | | | | | | | | 75 |
| 80 | 35,000* | 36,800 | | | | | 32,000* | | | | | | | | | | | | 80 |
| 85 | 31,300* | 34,200 | | | | | 30,700* | 33,500 | | | | | | | | | | | 85 |
| 90 | 28,200* | 31,800 | | | | | 28,200* | 31,500 | | | | | | | | | | | 90 |
| 95 | 25,700* | 29,600 | | | | | 25,500* | 29,400 | | | | | | | | | | | 95 |
| 100 | 23,300* | 27,600 | | | | | 23,300* | 27,400 | | | | | | | | | | | 100 |
| 105 | 21,300* | 25,900 | | | | | 21,300* | 25,600 | 22,800 | | | | | | | | | | 105 |
| 110 | 19,600* | 24,100* | 22,300 | | | | 19,600* | 23,900* | 22,100 | | | | | | | | | | 110 |
| 115 | 18,000* | 22,200* | 21,000 | | | | 18,000* | 22,100* | 20,800 | | | | | | | | | | 115 |
| 120 | 16,500* | 20,500* | 19,800 | | | | 16,500* | 20,200* | 19,600 | | | | | | | | | | 120 |
| 125 | 15,200* | 18,700* | 18,700 | 16,000 | | | 15,200* | 18,700* | 18,500 | | | | | | | | | | 125 |
| 130 | 13,800* | 17,100* | 17,700 | 15,800 | | | 14,100* | 17,100* | 17,500 | | | | | | | | | | 130 |
| 135 | 12,500* | 15,800* | 16,800 | 14,900 | | | 12,700* | 15,800* | 16,600 | 14,600 | | | | | | | | | 135 |
| 140 | | 14,500* | 15,900 | 14,200 | | | 11,600* | 14,500* | 15,700 | 13,800 | | | | | | | | | 140 |
| 145 | | 13,200* | 15,200 | 13,400 | 10,800 | | 10,800* | 13,400* | 14,900 | 13,200 | | | | | | | | | 145 |
| 150 | | | 14,400 | 12,700 | 10,800 | | | 12,300* | 14,200 | 12,500 | 9,800 | | | | | | | | 150 |
| 155 | | | 13,700 | 12,100 | 10,300 | | | 11,200* | 13,500 | 11,900 | 9,800 | | | | | | | | 155 |
| 160 | | | 13,100 | 11,500 | 9,800 | | | 10,300* | 12,800 | 12,800 | 9,400 | | | | | | | | 160 |
| 165 | | | 12,200* | 10,900 | 9,200 | 7,000 | | | 12,200 | 10,600 | 8,900 | | | | | | | | 165 |
| 170 | | | | 10,300 | 8,700 | 6,800 | | | 11,500* | 10,100 | 8,400 | | | | | | | | 170 |
| 175 | | | | 9,800 | 8,200 | 6,700 | | | 10,300* | 9,500 | 7,900 | 6,000 | | | | | | | 175 |
| 180 | | | | | 7,800 | 6,200 | | | | 9,100 | 7,400 | 5,900 | | | | | | | 180 |
| 185 | | | | | 7,300 | 5,900 | | | | | | 5,900 | | | | | | | 185 |
| 190 | | | | | | 5,600 | | | | | | 5,200 | | | | | | | 190 |
| 195 | | | | | | 5,100 | | | | | | 4,900 | | | | | | | 195 |
| 200 | | | | | | | | | | | | 4,600 | | | | | | | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 3 | | | | | | 3 | | | | | | 3 | | | | | | Reeves |

127' Boom

| Load Radius (ft) | 165 ft Jib | | | | | | 175 ft Jib | | | | | | | | | | | | Load Radius (ft) |
|------------------------|-------------------|---------|--------|--------|-------|----|-------------------|---------|--------|--------|----|----|--|--|--|--|--|--|------------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | 40 |
| 45 | | | | | | | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | | | | | | | 50 |
| 55 | | | | | | | | | | | | | | | | | | | 55 |
| 60 | | | | | | | | | | | | | | | | | | | 60 |
| 65 | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 29,700* | | | | | | 26,500* | | | | | | | | | | | | 70 |
| 75 | 28,500* | | | | | | 25,300* | | | | | | | | | | | | 75 |
| 80 | 27,200* | | | | | | 24,500* | | | | | | | | | | | | 80 |
| 85 | 26,200* | | | | | | 23,500* | | | | | | | | | | | | 85 |
| 90 | 25,200* | | | | | | 22,500* | | | | | | | | | | | | 90 |
| 95 | 24,300* | 28,600 | | | | | 21,800* | 26,000 | | | | | | | | | | | 95 |
| 100 | 22,900* | 26,700 | | | | | 20,700* | 24,800 | | | | | | | | | | | 100 |
| 105 | 20,900* | 25,000 | | | | | 18,900* | 23,500 | | | | | | | | | | | 105 |
| 110 | 19,100* | 23,200* | | | | | 17,400* | 22,100 | | | | | | | | | | | 110 |
| 115 | 17,600* | 21,600* | | | | | 16,000* | 20,900 | 17,800 | | | | | | | | | | 115 |
| 120 | 16,300* | 20,000* | 18,500 | | | | 14,700* | 19,500* | 17,600 | | | | | | | | | | 120 |
| 125 | 14,900* | 18,500* | 17,800 | | | | 13,600* | 17,800* | 16,600 | | | | | | | | | | 125 |
| 130 | 13,800* | 16,900* | 16,800 | | | | 12,500* | 16,500* | 15,600 | | | | | | | | | | 130 |
| 135 | 12,700* | 15,600* | 15,900 | | | | 11,500* | 15,200* | 14,800 | | | | | | | | | | 135 |
| 140 | 11,600* | 14,500* | 15,100 | 12,300 | | | 10,800* | 14,100* | 14,100 | 11,200 | | | | | | | | | 140 |
| 145 | 10,800* | 13,200* | 14,300 | 12,300 | | | | 13,000* | 13,300 | 11,200 | | | | | | | | | 145 |
| 150 | 8,500* | 12,300* | 13,600 | 11,700 | | | | 11,900* | 12,600 | 10,800 | | | | | | | | | 150 |
| 155 | | 11,200* | 12,800 | 11,100 | | | | 11,000* | 12,000 | 10,100 | | | | | | | | | 155 |
| 160 | | 10,300* | 12,300 | 10,400 | | | | | 11,400 | 9,500 | | | | | | | | | 160 |
| 165 | | | 11,600 | 9,900 | | | | | 10,900 | 9,000 | | | | | | | | | 165 |
| 170 | | | 11,100 | 9,300 | | | | | 10,300 | 8,500 | | | | | | | | | 170 |
| 175 | | | 10,500 | 8,900 | 7,100 | | | | 9,800 | 8,000 | | | | | | | | | 175 |
| 180 | | | 9,700* | 8,300 | 6,700 | | | | 9,000* | 7,600 | | | | | | | | | 180 |
| 185 | | | 9,000* | 7,900 | 6,300 | | | | | 7,200 | | | | | | | | | 185 |
| 190 | | | | 7,400 | 5,900 | | | | | 6,800 | | | | | | | | | 190 |
| 195 | | | | 7,000 | 5,600 | | | | | 6,300 | | | | | | | | | 195 |
| 200 | | | | 6,700 | 5,200 | | | | | 6,000 | | | | | | | | | 200 |
| 205 | | | | | 4,900 | | | | | | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 3 | | | | | | 3 | | | | | | | | | | | | Reeves |

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

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

Refer to notes P13 and P14.

LIFTING CAPACITY



Luffing Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

137' Boom

| Load Radius (ft) | 75 ft Jib | | | | | | 85 ft Jib | | | | | | 95 ft Jib | | | | | | Load Radius (ft) |
|------------------------|-------------------|--------|--------|--------|--------|--------|-------------------|---------|--------|--------|--------|--------|-------------------|---------|--------|--------|--------|--------|------------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | |
| 40 | 72,000* | | | | | | | | | | | | | | | | | | 40 |
| 45 | 69,200* | | | | | | | | | | | | | | | | | | 45 |
| 50 | 63,600* | | | | | | 62,000* | | | | | | 56,800* | | | | | | 50 |
| 55 | 58,000* | | | | | | 58,200* | | | | | | 54,400* | | | | | | 55 |
| 60 | 53,000* | | | | | | 53,000* | | | | | | 52,500* | | | | | | 60 |
| 65 | 46,500* | 55,500 | | | | | 47,300* | | | | | | 47,600* | | | | | | 65 |
| 70 | 40,700* | 50,400 | | | | | 41,600* | 45,500 | | | | | 41,800* | 45,000 | | | | | 70 |
| 75 | 35,700* | 41,900 | | | | | 36,800* | 41,600 | | | | | 37,200* | 41,200 | | | | | 75 |
| 80 | 31,500* | 38,600 | 35,300 | | | | 32,600* | 38,300 | 34,700 | | | | 33,200* | 38,000 | | | | | 80 |
| 85 | | 35,800 | 32,800 | | | | 29,100* | 35,400 | 32,400 | | | | 29,700* | 35,100 | 31,600 | | | | 85 |
| 90 | | 33,200 | 30,400 | | | | | 32,900 | 30,000 | | | | 26,800* | 32,600 | 29,600 | | | | 90 |
| 95 | | 30,600 | 28,400 | 25,400 | | | | 30,700 | 27,900 | | | | 24,000* | 30,400 | 27,600 | | | | 95 |
| 100 | | | 26,500 | 24,200 | | | | 28,700 | 26,200 | 23,200 | | | | 28,400 | 25,700 | | | | 100 |
| 105 | | | 24,900 | 22,800 | | | | 25,500* | 24,500 | 22,300 | | | | 26,500 | 24,200 | 21,300 | | | 105 |
| 110 | | | 23,300 | 21,300 | | | | | 23,100 | 21,000 | | | | 23,800* | 22,700 | 20,600 | | | 110 |
| 115 | | | | 20,100 | 18,000 | | | | 19,800 | 18,700 | 16,600 | | | 21,300* | 21,300 | 19,400 | | | 115 |
| 120 | | | | 18,900 | 17,000 | | | | | 17,600 | 15,700 | | | | 20,100 | 18,200 | | | 120 |
| 125 | | | | | 16,000 | 13,500 | | | | 17,600 | 15,700 | | | | 19,000 | 17,300 | 14,600 | | 125 |
| 130 | | | | | 15,200 | 13,300 | | | | 16,600 | 14,800 | | | | 17,900 | 16,400 | 14,400 | | 130 |
| 135 | | | | | | 12,500 | | | | | 14,100 | 11,400 | | | | 15,500 | 13,600 | 10,200 | 135 |
| 140 | | | | | | 11,700 | | | | | 13,300 | 10,600 | | | | | 12,800 | 9,700 | 140 |
| 145 | | | | | | 11,100 | | | | | | 10,100 | | | | | 12,200 | 9,100 | 145 |
| 150 | | | | | | | | | | | | | | | | | 11,400 | 8,500 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 3 | | | | | | 3 | | | | | | 3 | | | | | | Reeves |

137' Boom

| Load Radius | 105 ft Jib | | | | | | 115 ft Jib | | | | | | 125 ft Jib | | | | | | Load Radius | |
|----------------|-------------------|---------|--------|--------|--------|-------|-------------------|---------|--------|--------|--------|-------|-------------------|---------|---------|--------|--------|--------|----------------|-----|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | | |
| | (ft) | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | | 63 |
| 40 | | | | | | | | | | | | | | | | | | | | 40 |
| 45 | | | | | | | | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 51,000* | | | | | | 47,000* | | | | | | | 42,000* | | | | | | 55 |
| 60 | 49,000* | | | | | | 45,000* | | | | | | | 40,500* | | | | | | 60 |
| 65 | 47,200* | | | | | | 43,200* | | | | | | | 39,000* | | | | | | 65 |
| 70 | 42,100* | | | | | | 41,000* | | | | | | | 37,200* | | | | | | 70 |
| 75 | 37,400* | 41,000 | | | | | 37,600* | 40,300 | | | | | | 34,100* | 36,700 | | | | | 75 |
| 80 | 33,500* | 37,600 | | | | | 33,700* | 37,400 | | | | | | 30,600* | 34,200 | | | | | 80 |
| 85 | 30,200* | 34,800 | | | | | 30,400* | 34,600 | | | | | | 27,700* | 31,700 | | | | | 85 |
| 90 | 27,300* | 32,400 | | | | | 27,500* | 32,100 | | | | | | 25,100* | 29,500 | | | | | 90 |
| 95 | 24,600* | 30,200 | 27,200 | | | | 24,900* | 29,900 | | | | | | 22,900* | 27,600 | 24,400 | | | | 95 |
| 100 | 22,400* | 28,200 | 25,900 | | | | 22,700* | 27,900 | 25,000 | | | | | 20,900* | 25,900 | 23,500 | | | | 100 |
| 105 | 20,200* | 26,400 | 24,200 | | | | 20,700* | 26,200 | 24,000 | | | | | 19,100* | 24,300 | 22,100 | | | | 105 |
| 110 | | 24,400* | 22,800 | | | | 18,900* | 24,600 | 22,500 | | | | | 17,400* | 22,700 | 20,800 | | | | 110 |
| 115 | | 22,200* | 21,400 | 19,100 | | | 17,100* | 22,700* | 21,200 | | | | | 15,800* | 20,700* | 19,700 | 16,700 | | | 115 |
| 120 | | 20,200* | 20,200 | 18,000 | | | | 20,700* | 20,000 | 17,200 | | | | | 20,700* | 19,700 | 16,700 | | | 120 |
| 125 | | | 19,100 | 17,000 | | | | 18,900* | 18,900 | 16,800 | | | | | 18,900* | 18,600 | 16,400 | | | 125 |
| 130 | | | 18,100 | 16,200 | | | | 17,100* | 17,900 | 15,800 | | | | | 17,400* | 17,600 | 15,500 | | | 130 |
| 135 | | | 17,100 | 15,300 | 13,000 | | | 15,400* | 16,900 | 15,100 | | | | | 15,800* | 16,600 | 14,600 | | | 135 |
| 140 | | | | 14,500 | 12,500 | | | | 16,200 | 14,300 | 12,000 | | | | 14,500* | 15,800 | 13,800 | | | 140 |
| 145 | | | | 13,700 | 11,900 | 9,200 | | | 15,300 | 13,500 | 11,500 | | | | | 14,900 | 13,200 | | | 145 |
| 150 | | | | 13,000 | 11,200 | 8,200 | | | | 12,800 | 11,000 | | | | | 14,300 | 12,500 | 10,400 | | 150 |
| 155 | | | | | 10,600 | 8,800 | | | | 12,200 | 10,300 | 7,800 | | | | 13,500 | 11,900 | 9,900 | 6,700 | 155 |
| 160 | | | | | | 8,200 | | | | | 9,800 | 7,800 | | | | | 11,200 | 9,300 | 6,700 | 160 |
| 165 | | | | | | 7,800 | | | | | 9,200 | 7,400 | | | | | 10,600 | 8,800 | 6,700 | 165 |
| 170 | | | | | | | | | | | 8,800 | 7,000 | | | | | 10,100 | 8,300 | 6,600 | 170 |
| 175 | | | | | | | | | | | | 6,700 | | | | | | 7,900 | 6,100 | 175 |
| 180 | | | | | | | | | | | | 6,200 | | | | | | | 5,800 | 180 |
| 185 | | | | | | | | | | | | | | | | | | | 5,500 | 185 |
| 190 | | | | | | | | | | | | | | | | | | | | 190 |
| 195 | | | | | | | | | | | | | | | | | | | | 195 |
| 200 | | | | | | | | | | | | | | | | | | | | 200 |
| 205 | | | | | | | | | | | | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 3 | | | | | | 3 | | | | | | 3 | | | | | | Reeves | |

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

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

Refer to notes P13 and P14.



Luffing Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

137' Boom

| Load Radius (ft) | 135 ft Jib | | | | | | 145 ft Jib | | | | | | 155 ft Jib | | | | | | Load Radius (ft) |
|------------------------|-------------------|---------|--------|--------|-------|----|-------------------|---------|---------|--------|-------|----|-------------------|---------|---------|--------|--------|----|------------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | |
| 40 | | | | | | | | | | | | | | | | | | | 40 |
| 45 | | | | | | | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | | | | | | | 50 |
| 55 | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 38,800* | | | | | | 35,500* | | | | | | | | | | | | 60 |
| 65 | 37,000* | | | | | | 34,000* | | | | | | | | | | | | 65 |
| 70 | 35,800* | | | | | | 32,600* | | | | | | | | | | | | 70 |
| 75 | 34,300* | | | | | | 31,500* | | | | | | | | | | | | 75 |
| 80 | 33,000* | | | | | | 30,000* | | | | | | | 30,600* | | | | | 80 |
| 85 | 31,300* | | | | | | 29,000* | 33,200 | | | | | | 29,200* | | | | | 85 |
| 90 | 28,400* | 31,500 | | | | | 27,800* | 31,100 | | | | | | 28,000* | | | | | 90 |
| 95 | 25,700* | 29,300 | | | | | 25,700* | 28,900 | | | | | | 27,200* | | | | | 95 |
| 100 | 23,500* | 27,300 | | | | | 23,500* | 27,100 | | | | | | 26,200* | | | | | 100 |
| 105 | 21,600* | 25,600 | 22,500 | | | | 21,600* | 25,300 | | | | | | 25,000* | 28,600 | | | | 105 |
| 110 | 19,800* | 24,000 | 21,800 | | | | 19,600* | 23,800 | | | | | | 23,300* | 26,700 | | | | 110 |
| 115 | 18,000* | 22,400* | 20,600 | | | | 18,000* | 22,100* | 20,000 | | | | | 21,300* | 25,000 | | | | 115 |
| 120 | 16,500* | 20,800* | 19,400 | | | | 16,500* | 20,700* | 19,100 | | | | | 19,400* | 23,400 | | | | 120 |
| 125 | 15,200* | 19,100* | 18,200 | 15,400 | | | 15,200* | 18,900* | 18,000 | | | | | 17,800* | 21,800* | 19,100 | | | 125 |
| 130 | 13,800* | 17,600* | 17,300 | 15,200 | | | 14,100* | 17,600* | 17,000 | | | | | 16,500* | 20,200* | 18,700 | | | 130 |
| 135 | 12,700* | 16,000* | 16,400 | 14,400 | | | 13,000* | 16,000* | 16,200 | 13,700 | | | | 15,200* | 18,900* | 17,700 | | | 135 |
| 140 | | 14,700* | 15,500 | 13,600 | | | 11,900* | 14,700* | 15,300 | 13,300 | | | | 13,800* | 17,400* | 16,700 | | | 140 |
| 145 | | 13,600* | 14,700 | 12,800 | 9,900 | | 10,800* | 13,600* | 14,500 | 12,600 | | | | 12,700* | 16,000* | 15,800 | | | 145 |
| 150 | | 12,300* | 14,100 | 12,200 | 9,900 | | | 12,500* | 13,800 | 11,900 | | | | 11,600* | 14,700* | 14,900 | 12,700 | | 150 |
| 155 | | 11,000* | 13,400 | 11,500 | 9,500 | | | 12,500* | 13,800 | 11,900 | | | | 10,800* | 13,600* | 14,200 | 12,100 | | 155 |
| 160 | | | 12,700 | 11,000 | 9,000 | | | 11,400* | 13,200 | 11,200 | 8,300 | | | 9,900* | 12,500* | 13,400 | 11,400 | | 160 |
| 165 | | | | 10,300 | 8,400 | | | 10,500* | 11,900 | 10,100 | 8,100 | | | 9,000* | 11,400* | 12,700 | 10,800 | | 165 |
| 170 | | | | 9,900 | 8,000 | | | | 11,300 | 9,500 | 7,700 | | | 8,800* | 10,500* | 12,200 | 10,200 | | 170 |
| 175 | | | | 9,300 | 7,600 | | | | 10,600* | 9,000 | 7,200 | | | 8,800* | 9,700* | 11,500 | 9,700 | | 175 |
| 180 | | | | | 7,100 | | | | | 8,500 | 6,800 | | | 8,800* | 11,000 | 9,100 | 8,500 | | 180 |
| 185 | | | | | 6,700 | | | | | 8,100 | 6,500 | | | 7,400* | 10,400 | 8,100 | 7,700 | | 185 |
| 190 | | | | | 6,300 | | | | | 7,700 | 6,000 | | | | 10,000 | 7,200 | 6,900 | | 190 |
| 195 | | | | | | | | | | | 5,700 | | | | | | | | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 3 | | | | | | 3 | | | | | | 3 | | | | | | Reeves |

137' Boom

| Load Radius (ft) | 165 ft Jib | | | | | | 175 ft Jib | | | | | | | | | | | | Load Radius (ft) |
|------------------------|-------------------|---------|--------|--------|----|----|-------------------|---------|--------|-------|----|----|--|--|--|--|--|--|------------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | 40 |
| 45 | | | | | | | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | | | | | | | 50 |
| 55 | | | | | | | | | | | | | | | | | | | 55 |
| 60 | | | | | | | | | | | | | | | | | | | 60 |
| 65 | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 28,000* | | | | | | | | | | | | | | | | | | 70 |
| 75 | 27,000* | | | | | | 25,400* | | | | | | | | | | | | 75 |
| 80 | 26,000* | | | | | | 24,500* | | | | | | | | | | | | 80 |
| 85 | 25,000* | | | | | | 23,500* | | | | | | | | | | | | 85 |
| 90 | 24,000* | | | | | | 22,600* | | | | | | | | | | | | 90 |
| 95 | 23,000* | 27,200 | | | | | 21,800* | | | | | | | | | | | | 95 |
| 100 | 22,000* | 26,000 | | | | | 21,000* | 25,500 | | | | | | | | | | | 100 |
| 105 | 21,100* | 24,600 | | | | | 20,000* | 23,800 | | | | | | | | | | | 105 |
| 110 | 19,400* | 23,100 | | | | | 18,900* | 22,800 | | | | | | | | | | | 110 |
| 115 | 17,800* | 21,600* | | | | | 17,600* | 21,900 | | | | | | | | | | | 115 |
| 120 | 16,300* | 20,000* | 18,000 | | | | 16,000* | 20,600 | | | | | | | | | | | 120 |
| 125 | 14,900* | 18,700* | 17,400 | | | | 14,700* | 19,500 | | | | | | | | | | | 125 |
| 130 | 13,800* | 17,400* | 16,400 | | | | 13,600* | 18,100* | 16,000 | | | | | | | | | | 130 |
| 135 | 12,700* | 15,800* | 15,500 | | | | 12,700* | 16,700* | 15,300 | | | | | | | | | | 135 |
| 140 | 11,600* | 14,700* | 14,700 | | | | 10,800* | 15,400* | 14,400 | | | | | | | | | | 140 |
| 145 | 10,800* | 13,400* | 13,900 | | | | | 14,300* | 13,600 | | | | | | | | | | 145 |
| 150 | 8,300* | 12,500* | 13,200 | 11,100 | | | | 13,200* | 13,000 | | | | | | | | | | 150 |
| 155 | | 11,400* | 12,500 | 10,400 | | | | 12,100* | 12,300 | 9,700 | | | | | | | | | 155 |
| 160 | | 10,500* | 11,900 | 9,900 | | | | 11,200* | 11,600 | 9,500 | | | | | | | | | 160 |
| 165 | | 9,700* | 11,300 | 9,300 | | | | | 11,100 | 9,000 | | | | | | | | | 165 |
| 170 | | 8,800* | 10,800 | 8,800 | | | | | 10,400 | 8,400 | | | | | | | | | 170 |
| 175 | | | 10,200 | 8,300 | | | | | 9,900 | 8,000 | | | | | | | | | 175 |
| 180 | | | 9,700 | 7,800 | | | | | 9,400 | 7,600 | | | | | | | | | 180 |
| 185 | | | 9,200 | 7,300 | | | | | 8,900 | 7,100 | | | | | | | | | 185 |
| 190 | | | 8,400* | 7,000 | | | | | | 6,700 | | | | | | | | | 190 |
| 195 | | | | 6,600 | | | | | | 6,200 | | | | | | | | | 195 |
| 200 | | | | 6,200 | | | | | | 5,900 | | | | | | | | | 200 |
| 205 | | | | 5,800 | | | | | | 5,600 | | | | | | | | | 205 |
| 210 | | | | | | | | | | 5,200 | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 2 | | | | | | 2 | | | | | | | | | | | | Reeves |

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

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

Refer to notes P13 and P14.

LIFTING CAPACITY



Luffing Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

| 147' Boom | | | | | | | | | | | | | | | | | | | | |
|---------------------|-------------------|--------|--------|--------|--------|--------|-------------------|--------|--------|--------|--------|-------|-------------------|----|----|----|----|----|---------------------|-----|
| Load Radius (ft) | 75 ft Jib | | | | | | 85 ft Jib | | | | | | 95 ft Jib | | | | | | Load Radius (ft) | |
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | | |
| 40 | 66,200* | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 63,800* | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 60,800* | | | | | | 57,000* | | | | | | | | | | | | | 50 |
| 55 | 58,600* | | | | | | 55,000* | | | | | | | | | | | | | 55 |
| 60 | 54,000* | 55,000 | | | | | 52,500* | | | | | | | | | | | | | 60 |
| 65 | 46,900* | 49,900 | | | | | 47,600* | | | | | | | | | | | | | 65 |
| 70 | 41,000* | 45,400 | | | | | 41,800* | 45,000 | | | | | | | | | | | | 70 |
| 75 | 36,100* | 41,600 | | | | | 37,000* | 41,200 | | | | | | | | | | | | 75 |
| 80 | | 38,300 | 34,300 | | | | 32,800* | 37,900 | | | | | | | | | | | | 80 |
| 85 | | 35,400 | 32,100 | | | | 29,300* | 35,100 | | | | | | | | | | | | 85 |
| 90 | | 32,900 | 29,800 | | | | | 32,600 | 29,400 | | | | | | | | | | | 90 |
| 95 | | 30,600 | 27,800 | | | | | 30,400 | 27,400 | | | | | | | | | | | 95 |
| 100 | | | 26,000 | 23,200 | | | | 28,400 | 25,600 | | | | | | | | | | | 100 |
| 105 | | | 24,300 | 22,000 | | | | | 24,000 | | | | | | | | | | | 105 |
| 110 | | | 22,900 | 20,700 | | | | | 22,500 | 20,300 | | | | | | | | | | 110 |
| 115 | | | | 19,500 | | | | | 21,200 | 19,100 | | | | | | | | | | 115 |
| 120 | | | | 18,400 | 16,000 | | | | | 18,000 | 15,200 | | | | | | | | | 120 |
| 125 | | | | 17,300 | 15,300 | | | | | 17,000 | 14,800 | | | | | | | | | 125 |
| 130 | | | | | 14,500 | 11,500 | | | | 16,000 | 14,100 | | | | | | | | | 130 |
| 135 | | | | | 13,600 | 11,500 | | | | | 13,200 | | | | | | | | | 135 |
| 140 | | | | | | 10,900 | | | | | 12,500 | 9,700 | | | | | | | | 140 |
| 145 | | | | | | | | | | | 11,700 | 9,700 | | | | | | | | 145 |
| 150 | | | | | | | | | | | | 9,100 | | | | | | | | 150 |
| 155 | | | | | | | | | | | | 8,500 | | | | | | | | 155 |
| 160 | | | | | | | | | | | | | | | | | | | | 160 |
| 165 | | | | | | | | | | | | | | | | | | | | 165 |
| 170 | | | | | | | | | | | | | | | | | | | | 170 |
| 175 | | | | | | | | | | | | | | | | | | | | 175 |
| 180 | | | | | | | | | | | | | | | | | | | | 180 |
| 185 | | | | | | | | | | | | | | | | | | | | 185 |
| 190 | | | | | | | | | | | | | | | | | | | | 190 |
| 195 | | | | | | | | | | | | | | | | | | | | 195 |
| 200 | | | | | | | | | | | | | | | | | | | | 200 |
| 205 | | | | | | | | | | | | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 3 | | | | | | 3 | | | | | | 3 | | | | | | Reeves | |

| 147' Boom | | | | | | | | | | | | | | | | | | | | |
|---------------------|-------------------|---------|--------|--------|--------|-------|-------------------|---------|--------|--------|--------|-------|-------------------|----|----|----|----|----|---------------------|-----|
| Load Radius (ft) | 105 ft Jib | | | | | | 115 ft Jib | | | | | | 125 ft Jib | | | | | | Load Radius (ft) | |
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | | |
| 40 | | | | | | | | | | | | | | | | | | | | 40 |
| 45 | | | | | | | | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 47,700* | | | | | | 44,000* | | | | | | | | | | | | | 55 |
| 60 | 45,800* | | | | | | 42,100* | | | | | | | | | | | | | 60 |
| 65 | 44,000* | | | | | | 40,500* | | | | | | | | | | | | | 65 |
| 70 | 41,500* | | | | | | 39,000* | | | | | | | | | | | | | 70 |
| 75 | 37,600* | 40,500 | | | | | 37,000* | | | | | | | | | | | | | 75 |
| 80 | 33,700* | 37,300 | | | | | 34,000* | 37,000 | | | | | | | | | | | | 80 |
| 85 | 30,400* | 34,500 | | | | | 31,000* | 34,200 | | | | | | | | | | | | 85 |
| 90 | 27,300* | 32,000 | | | | | 27,500* | 31,700 | | | | | | | | | | | | 90 |
| 95 | 24,900* | 29,800 | 26,700 | | | | 25,200* | 29,600 | | | | | | | | | | | | 95 |
| 100 | 22,400* | 27,800 | 25,200 | | | | 23,000* | 27,600 | 24,500 | | | | | | | | | | | 100 |
| 105 | | 26,100 | 23,600 | | | | 21,100* | 25,900 | 23,400 | | | | | | | | | | | 105 |
| 110 | | 24,500 | 22,200 | | | | 19,100* | 24,300 | 22,000 | | | | | | | | | | | 110 |
| 115 | | 22,700* | 21,000 | 17,800 | | | 17,300* | 22,900 | 20,700 | | | | | | | | | | | 115 |
| 120 | | 20,700* | 19,800 | 17,400 | | | | 21,100* | 19,600 | 16,500 | | | | | | | | | | 120 |
| 125 | | | 18,700 | 16,400 | | | | 19,100* | 18,500 | 16,200 | | | | | | | | | | 125 |
| 130 | | | 17,700 | 15,500 | | | | 17,600* | 17,500 | 15,300 | | | | | | | | | | 130 |
| 135 | | | 16,700 | 14,700 | 12,000 | | | 15,800* | 16,600 | 14,500 | | | | | | | | | | 135 |
| 140 | | | | 13,900 | 11,700 | | | | 15,700 | 13,700 | 10,600 | | | | | | | | | 140 |
| 145 | | | | 13,200 | 11,100 | | | | 14,900 | 13,000 | 10,600 | | | | | | | | | 145 |
| 150 | | | | 12,500 | 10,400 | | | | 14,200 | 12,300 | 10,100 | | | | | | | | | 150 |
| 155 | | | | | 9,900 | 7,600 | | | | 11,600 | 9,500 | | | | | | | | | 155 |
| 160 | | | | | | 7,300 | | | | 11,100 | 9,000 | 6,300 | | | | | | | | 160 |
| 165 | | | | | | 6,900 | | | | | 8,500 | 6,300 | | | | | | | | 165 |
| 170 | | | | | | 6,500 | | | | | 8,000 | 6,200 | | | | | | | | 170 |
| 175 | | | | | | 6,100 | | | | | 7,600 | 5,800 | | | | | | | | 175 |
| 180 | | | | | | | | | | | | 5,500 | | | | | | | | 180 |
| 185 | | | | | | | | | | | | | | | | | | | | 185 |
| 190 | | | | | | | | | | | | | | | | | | | | 190 |
| 195 | | | | | | | | | | | | | | | | | | | | 195 |
| 200 | | | | | | | | | | | | | | | | | | | | 200 |
| 205 | | | | | | | | | | | | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 3 | | | | | | 3 | | | | | | 3 | | | | | | Reeves | |

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

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

Refer to notes P13 and P14.



Luffing Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

147' Boom

| Load Radius (ft) | 135 ft Jib | | | | | | 145 ft Jib | | | | | | 155 ft Jib | | | | | | Load Radius (ft) |
|---------------------|-------------------|---------|--------|--------|-------|----|-------------------|---------|--------|--------|-------|----|-------------------|---------|--------|--------|----|----|---------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | |
| 40 | | | | | | | | | | | | | | | | | | | 40 |
| 45 | | | | | | | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | | | | | | | 50 |
| 55 | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 36,200* | | | | | | 33,600* | | | | | | | | | | | | 60 |
| 65 | 34,800* | | | | | | 32,000* | | | | | | | | | | | | 65 |
| 70 | 33,500* | | | | | | 31,000* | | | | | | | | | | | | 70 |
| 75 | 32,200* | | | | | | 29,800* | | | | | | 29,200* | | | | | | 75 |
| 80 | 31,000* | | | | | | 28,500* | | | | | | 28,000* | | | | | | 80 |
| 85 | 30,000* | | | | | | 27,500* | | | | | | 26,800* | | | | | | 85 |
| 90 | 28,000* | 31,000 | | | | | 26,300* | 30,800 | | | | | 25,800* | | | | | | 90 |
| 95 | 26,000* | 28,900 | | | | | 25,400* | 28,600 | | | | | 24,800* | | | | | | 95 |
| 100 | 23,500* | 27,000 | | | | | 23,500* | 26,700 | | | | | 24,000* | 28,200 | | | | | 100 |
| 105 | 21,600* | 25,300 | 22,000 | | | | 21,600* | 25,000 | | | | | 23,000* | 26,400 | | | | | 105 |
| 110 | 19,800* | 23,800 | 21,300 | | | | 19,800* | 23,400 | | | | | 21,300* | 24,600 | | | | | 110 |
| 115 | 18,000* | 22,300 | 20,000 | | | | 18,000* | 21,900* | 19,500 | | | | 19,600* | 23,100 | | | | | 115 |
| 120 | 16,700* | 20,800* | 18,900 | | | | 16,700* | 20,500* | 18,600 | | | | 18,000* | 21,700 | | | | | 120 |
| 125 | 15,200* | 19,400* | 17,800 | | | | 15,400* | 19,400* | 17,600 | | | | 16,500* | 20,200* | 17,700 | | | | 125 |
| 130 | 13,800* | 17,800* | 16,800 | | | | 14,100* | 17,800* | 16,600 | | | | 15,200* | 18,900* | 17,100 | | | | 130 |
| 135 | 12,700* | 16,300* | 15,900 | 13,300 | | | 13,000* | 16,500* | 15,700 | | | | 13,800* | 17,600* | 16,300 | | | | 135 |
| 140 | | 14,900* | 15,200 | 13,000 | | | 11,900* | 15,200* | 14,900 | 12,000 | | | 12,900* | 16,300* | 15,400 | | | | 140 |
| 145 | | 13,800* | 14,400 | 12,200 | | | | 13,800* | 14,200 | 11,900 | | | 11,900* | 14,900* | 14,500 | 11,200 | | | 145 |
| 150 | | 12,500* | 13,600 | 11,500 | 8,400 | | | 12,700* | 13,400 | 11,200 | | | 10,800* | 13,800* | 13,700 | 11,200 | | | 150 |
| 155 | | 11,400* | 13,000 | 11,000 | 8,400 | | | 11,600* | 12,700 | 10,600 | | | 9,900* | 12,700* | 13,100 | 10,800 | | | 155 |
| 160 | | | 12,400 | 10,300 | 8,200 | | | 10,800* | 12,200 | 10,000 | | | 9,000* | 11,600* | 12,400 | 10,100 | | | 160 |
| 165 | | | 11,700 | 9,800 | 7,800 | | | | 11,500 | 9,400 | 7,300 | | | 10,800* | 11,700 | 9,500 | | | 165 |
| 170 | | | 11,200 | 9,200 | 7,200 | | | | 11,000 | 9,000 | 6,900 | | | 9,900* | 11,200 | 9,000 | | | 170 |
| 175 | | | | 8,800 | 6,900 | | | | 10,400 | 8,400 | 6,600 | | | 9,000* | 10,600 | 8,500 | | | 175 |
| 180 | | | | 8,300 | 6,500 | | | | | 8,000 | 6,100 | | | | 10,000 | 8,000 | | | 180 |
| 185 | | | | | 6,000 | | | | | 7,600 | 5,800 | | | | 9,400 | 7,600 | | | 185 |
| 190 | | | | | 5,700 | | | | | | 5,400 | | | | 8,800 | 7,100 | | | 190 |
| 195 | | | | | | | | | | | 5,000 | | | | | 6,800 | | | 195 |
| 200 | | | | | | | | | | | 4,700 | | | | | 6,300 | | | 200 |
| 205 | | | | | | | | | | | | | | | | 6,000 | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 3 | | | | | | 2 | | | | | | 2 | | | | | | Reeves |

147' Boom

| Load Radius (ft) | 165 ft Jib | | | | | | 175 ft Jib | | | | | | | | | | | | Load Radius (ft) |
|------------------------|-------------------|---------|--------|--------|----|----|-------------------|---------|---------|-------|----|----|--|--|--|--|--|--|------------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | 40 |
| 45 | | | | | | | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | | | | | | | 50 |
| 55 | | | | | | | | | | | | | | | | | | | 55 |
| 60 | | | | | | | | | | | | | | | | | | | 60 |
| 65 | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 26,800* | | | | | | 24,000* | | | | | | | | | | | | 70 |
| 75 | 25,600* | | | | | | 23,000* | | | | | | | | | | | | 75 |
| 80 | 24,700* | | | | | | 22,200* | | | | | | | | | | | | 80 |
| 85 | 23,800* | | | | | | 21,500* | | | | | | | | | | | | 85 |
| 90 | 23,000* | | | | | | 20,500* | | | | | | | | | | | | 90 |
| 95 | 22,000* | 26,000 | | | | | 19,800* | 23,500 | | | | | | | | | | | 95 |
| 100 | 21,000* | 24,800 | | | | | 19,000* | 22,500 | | | | | | | | | | | 100 |
| 105 | 20,400* | 24,000 | | | | | 18,200* | 21,800 | | | | | | | | | | | 105 |
| 110 | 19,400* | 23,000 | | | | | 17,600* | 21,000 | | | | | | | | | | | 110 |
| 115 | 17,800* | 21,900 | | | | | 16,300* | 20,000 | | | | | | | | | | | 115 |
| 120 | 16,300* | 20,600 | 17,000 | | | | 14,900* | 19,100 | | | | | | | | | | | 120 |
| 125 | 14,900* | 19,400 | 16,800 | | | | 13,600* | 18,100 | 15,000 | | | | | | | | | | 125 |
| 130 | 13,800* | 18,400 | 15,800 | | | | | 16,900* | 14,500 | | | | | | | | | | 130 |
| 135 | 12,700* | 17,300* | 15,100 | | | | 12,600* | 16,900* | 14,500 | | | | | | | | | | 135 |
| 140 | 11,600* | 15,900* | 14,100 | | | | | 15,800* | 13,600* | | | | | | | | | | 140 |
| 145 | 10,800* | 14,700* | 13,400 | 10,100 | | | | 14,500* | 13,000* | | | | | | | | | | 145 |
| 150 | 8,100* | 13,600* | 12,700 | 10,100 | | | | 13,400* | 12,100* | | | | | | | | | | 150 |
| 155 | | 12,500* | 12,100 | 9,800 | | | | 12,300* | 11,400* | 9,100 | | | | | | | | | 155 |
| 160 | | 11,400* | 11,400 | 9,200 | | | | 11,400* | 11,000* | 8,900 | | | | | | | | | 160 |
| 165 | | 10,500* | 10,800 | 8,700 | | | | 10,500* | 10,300* | 8,300 | | | | | | | | | 165 |
| 170 | | 9,700* | 10,100 | 8,200 | | | | | 9,700* | 7,900 | | | | | | | | | 170 |
| 175 | | | 9,500* | 7,700 | | | | | 9,200* | 7,400 | | | | | | | | | 175 |
| 180 | | | 9,000* | 7,200 | | | | | 8,800* | 7,000 | | | | | | | | | 180 |
| 185 | | | 8,500* | 6,900 | | | | | 8,300* | 6,600 | | | | | | | | | 185 |
| 190 | | | 8,100* | 6,500 | | | | | 7,700* | 6,100 | | | | | | | | | 190 |
| 195 | | | 6,500* | 6,100 | | | | | | 5,800 | | | | | | | | | 195 |
| 200 | | | | 5,700 | | | | | | 5,500 | | | | | | | | | 200 |
| 205 | | | | 5,400 | | | | | | 5,000 | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 2 | | | | | | 2 | | | | | | | | | | | | Reeves |

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

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

Refer to notes P13 and P14.

LIFTING CAPACITY



Luffing Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

157' Boom

| Load Radius | 75 ft Jib | | | | | | 85 ft Jib | | | | | | 95 ft Jib | | | | | | Load Radius | |
|----------------|-------------------|--------|--------|--------|--------|-------|-------------------|--------|--------|--------|--------|-------|-------------------|---------|--------|--------|--------|--------|----------------|-----|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | | |
| | (ft) | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | | 63 |
| 40 | 60,700* | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 59,000* | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 56,300* | | | | | | 52,500* | | | | | | | 48,500* | | | | | | 50 |
| 55 | 54,200* | | | | | | 50,700* | | | | | | | 46,600* | | | | | | 55 |
| 60 | 52,000* | 54,300 | | | | | 48,500* | | | | | | | 44,800* | | | | | | 60 |
| 65 | 47,300* | 49,300 | | | | | 46,700* | | | | | | | 43,000* | | | | | | 65 |
| 70 | 41,400* | 44,800 | | | | | 42,100* | 44,500 | | | | | | 41,000* | | | | | | 70 |
| 75 | 36,300* | 41,100 | | | | | 37,200* | 40,700 | | | | | | 37,600* | 40,300 | | | | | 75 |
| 80 | | 37,900 | 33,500 | | | | 33,000* | 37,400 | | | | | | 33,700* | 37,100 | | | | | 80 |
| 85 | | 35,000 | 31,300 | | | | | 34,700 | 30,400 | | | | | 30,200* | 34,200 | | | | | 85 |
| 90 | | 32,500 | 29,100 | | | | | 32,100 | 28,600 | | | | | 27,100* | 31,800 | | | | | 90 |
| 95 | | 30,300 | 27,100 | | | | | 30,000 | 26,600 | | | | | 29,600 | | 26,000 | | | | 95 |
| 100 | | | 25,300 | 21,900 | | | | 28,100 | 25,000 | | | | | 27,700 | 24,900 | | | | | 100 |
| 105 | | | 23,800 | 21,100 | | | | 26,300 | 23,300 | 20,000 | | | | 26,000 | 23,300 | | | | | 105 |
| 110 | | | 22,200 | 19,900 | | | | 22,900 | 20,000 | 19,500 | | | | 24,400 | 21,900 | | | | | 110 |
| 115 | | | | 18,700 | | | | | 20,700 | 18,200 | | | | 22,400* | 20,600 | | 17,600 | | | 115 |
| 120 | | | | 17,600 | 14,400 | | | | 19,500 | 17,300 | | | | | 19,500 | 16,800 | | | | 120 |
| 125 | | | | 16,600 | 14,200 | | | | 18,400 | 16,300 | 13,000 | | | | 18,400 | 15,900 | | | | 125 |
| 130 | | | | | 13,400 | | | | | 15,400 | 12,800 | | | | | 17,200 | 15,100 | | | 130 |
| 135 | | | | | 12,600 | | | | | 14,500 | 12,200 | | | | | 14,200 | | 11,300 | | 135 |
| 140 | | | | | | 9,200 | | | | | 11,400 | | | | | 13,500 | | 11,000 | | 140 |
| 145 | | | | | | 9,000 | | | | | 10,800 | | | | | 12,700 | | 10,300 | | 145 |
| 150 | | | | | | 8,400 | | | | | 10,100 | 8,000 | | | | | | 9,800 | | 150 |
| 155 | | | | | | | | | | | | 7,400 | | | | | | 9,200 | 6,600 | 155 |
| 160 | | | | | | | | | | | | 7,000 | | | | | | | 6,600 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 6,100 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | | 170 |
| 175 | | | | | | | | | | | | | | | | | | | | 175 |
| 180 | | | | | | | | | | | | | | | | | | | | 180 |
| 185 | | | | | | | | | | | | | | | | | | | | 185 |
| 190 | | | | | | | | | | | | | | | | | | | | 190 |
| 195 | | | | | | | | | | | | | | | | | | | | 195 |
| 200 | | | | | | | | | | | | | | | | | | | | 200 |
| 205 | | | | | | | | | | | | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 3 | | | | | | 3 | | | | | | 3 | | | | | | Reeves | |

157' Boom

| Load Radius (ft) | 105 ft Jib | | | | | | 115 ft Jib | | | | | | 125 ft Jib | | | | | | Load Radius (ft) |
|------------------------|-------------------|---------|--------|--------|--------|-------|-------------------|---------|--------|--------|----|----|-------------------|---------|--------|--------|-------|----|------------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | |
| 40 | | | | | | | | | | | | | | | | | | | 40 |
| 45 | | | | | | | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 44,000* | | | | | | 40,500* | | | | | | | | | | | | 55 |
| 60 | 42,000* | | | | | | 39,000* | | | | | | 36,800* | | | | | | 60 |
| 65 | 40,700* | | | | | | 37,500* | | | | | | 35,300* | | | | | | 65 |
| 70 | 39,000* | | | | | | 36,000* | | | | | | 34,000* | | | | | | 70 |
| 75 | 37,000* | 40,000 | | | | | 34,500* | | | | | | 32,700* | | | | | | 75 |
| 80 | 33,900* | 36,800 | | | | | 33,000* | 36,000 | | | | | 31,500* | 35,700 | | | | | 80 |
| 85 | 30,600* | 34,000 | | | | | 31,900* | 33,700 | | | | | 30,200* | 33,300 | | | | | 85 |
| 90 | 27,500* | 31,600 | | | | | 28,800* | 31,300 | | | | | 28,500* | 30,900 | | | | | 90 |
| 95 | 24,900* | 29,400 | | | | | 26,200* | 29,200 | | | | | 26,200* | 28,700 | | | | | 95 |
| 100 | 22,400* | 27,500 | 24,000 | | | | 23,800* | 27,300 | 23,500 | | | | 23,800* | 26,800 | | | | | 100 |
| 105 | 20,500* | 25,700 | 23,000 | | | | 21,600* | 25,500 | 22,800 | | | | 21,600* | 25,200 | 21,600 | | | | 105 |
| 110 | | 24,200 | 21,700 | | | | 19,600* | 24,000 | 21,300 | | | | 19,800* | 23,600 | 21,000 | | | | 110 |
| 115 | | 22,800 | 20,300 | | | | 17,800* | 22,500 | 20,100 | | | | 18,000* | 22,200 | 19,700 | | | | 115 |
| 120 | | 21,100* | 19,200 | 16,100 | | | | 21,300 | 19,000 | | | | 16,500* | 20,800* | 18,600 | | | | 120 |
| 125 | | 18,900* | 18,100 | 15,600 | | | | 19,700* | 17,900 | | | | | 19,600* | 17,600 | | | | 125 |
| 130 | | 16,300* | 17,100 | 14,800 | | | | 17,800* | 16,900 | 14,400 | | | | 18,000* | 16,600 | 13,900 | | | 130 |
| 135 | | | 16,300 | 13,900 | | | | 16,000 | 13,700 | | | | | 16,500* | 15,700 | 13,200 | | | 135 |
| 140 | | | 15,400 | 13,200 | 10,100 | | | 15,300 | 13,000 | | | | | 15,200* | 14,900 | 12,400 | | | 140 |
| 145 | | | | 12,500 | 10,000 | | | 14,500 | 12,200 | | | | | | 14,200 | 11,700 | | | 145 |
| 150 | | | | 11,900 | 9,400 | | | | 11,500 | 9,100 | | | | | 13,400 | 11,100 | | | 150 |
| 155 | | | | 11,200 | 8,900 | | | | 11,000 | 8,500 | | | | | 12,700 | 10,500 | 7,800 | | 155 |
| 160 | | | | | 8,300 | 5,800 | | | | 8,100 | | | | | 9,900 | 7,600 | | | 160 |
| 165 | | | | | 7,900 | 5,000 | | | | 7,600 | | | | | 9,300 | 7,100 | | | 165 |
| 170 | | | | | | | | | | 7,100 | | | | | 8,900 | 6,700 | | | 170 |
| 175 | | | | | | | | | | 6,800 | | | | | 8,300 | 6,300 | | | 175 |
| 180 | | | | | | | | | | | | | | | | 5,900 | | | 180 |
| 185 | | | | | | | | | | | | | | | | 5,600 | | | 185 |
| 190 | | | | | | | | | | | | | | | | | | | 190 |
| 195 | | | | | | | | | | | | | | | | | | | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 3 | | | | | | 2 | | | | | | 2 | | | | | | Reeves |

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

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts. Refer to notes P13 and P14.

Luffing Jib Lifting Capacity

Unit: lbs

Counterweight: 121,300 lbs, Carbody weight: 23,810 lbs

157' Boom

| Load Radius (ft) | 135 ft Jib | | | | | | 145 ft Jib | | | | | | 155 ft Jib | | | | | | Load Radius (ft) |
|------------------------|-------------------|---------|---------|--------|-------|----|-------------------|----|----|----|----|----|-------------------|----|----|----|----|----|------------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | |
| 40 | | | | | | | | | | | | | | | | | | | 40 |
| 45 | | | | | | | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | | | | | | | 50 |
| 55 | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 34,000* | | | | | | | | | | | | | | | | | | 60 |
| 65 | 32,700* | | | | | | | | | | | | | | | | | | 65 |
| 70 | 31,300* | | | | | | | | | | | | | | | | | | 70 |
| 75 | 30,000* | | | | | | | | | | | | | | | | | | 75 |
| 80 | 29,000* | | | | | | | | | | | | | | | | | | 80 |
| 85 | 28,000* | | | | | | | | | | | | | | | | | | 85 |
| 90 | 27,000* | 30,600 | | | | | | | | | | | | | | | | | 90 |
| 95 | 25,600* | 28,500 | | | | | | | | | | | | | | | | | 95 |
| 100 | 23,800* | 26,600 | | | | | | | | | | | | | | | | | 100 |
| 105 | 21,800* | 24,900 | | | | | | | | | | | | | | | | | 105 |
| 110 | 19,800* | 23,300 | | | | | | | | | | | | | | | | | 110 |
| 115 | 18,200* | 22,000 | 19,100 | | | | | | | | | | | | | | | | 115 |
| 120 | 16,700* | 20,600* | 18,200 | | | | | | | | | | | | | | | | 120 |
| 125 | 15,400* | 19,400* | 17,300 | | | | | | | | | | | | | | | | 125 |
| 130 | 14,100* | 18,200* | 16,400 | | | | | | | | | | | | | | | | 130 |
| 135 | 12,700* | 16,700* | 15,500 | 12,400 | | | | | | | | | | | | | | | 135 |
| 140 | | 15,400* | 14,600 | 12,100 | | | | | | | | | | | | | | | 140 |
| 145 | | 14,100* | 13,900 | 11,400 | | | | | | | | | | | | | | | 145 |
| 150 | | 12,700* | 13,200 | 10,800 | | | | | | | | | | | | | | | 150 |
| 155 | | 11,600* | 12,500 | 10,200 | | | | | | | | | | | | | | | 155 |
| 160 | | | 12,000 | 9,700 | 6,700 | | | | | | | | | | | | | | 160 |
| 165 | | | 11,200* | 9,100 | 6,700 | | | | | | | | | | | | | | 165 |
| 170 | | | | 8,500 | 6,300 | | | | | | | | | | | | | | 170 |
| 175 | | | | 8,100 | 6,000 | | | | | | | | | | | | | | 175 |
| 180 | | | | | 5,600 | | | | | | | | | | | | | | 180 |
| 185 | | | | | 5,200 | | | | | | | | | | | | | | 185 |
| 190 | | | | | 4,900 | | | | | | | | | | | | | | 190 |
| 195 | | | | | 4,400 | | | | | | | | | | | | | | 195 |
| 200 | | | | | | | | | | | | | | | | | | | 200 |
| 205 | | | | | | | | | | | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 2 | | | | | | 2 | | | | | | 2 | | | | | | Reeves |

157' Boom

| Load Radius (ft) | 165 ft Jib | | | | | | 175 ft Jib | | | | | | | | | | | | Load Radius (ft) |
|---------------------|-------------------|---------|---------|-------|----|----|-------------------|----|----|----|----|----|--|--|--|--|--|--|---------------------|
| | Boom Angle (deg.) | | | | | | Boom Angle (deg.) | | | | | | | | | | | | |
| | 88 | 83 | 78 | 73 | 68 | 63 | 88 | 83 | 78 | 73 | 68 | 63 | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | 40 |
| 45 | | | | | | | | | | | | | | | | | | | 45 |
| 50 | | | | | | | | | | | | | | | | | | | 50 |
| 55 | | | | | | | | | | | | | | | | | | | 55 |
| 60 | | | | | | | | | | | | | | | | | | | 60 |
| 65 | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 25,300* | | | | | | | | | | | | | | | | | | 70 |
| 75 | 24,500* | | | | | | | | | | | | | | | | | | 75 |
| 80 | 23,300* | | | | | | | | | | | | | | | | | | 80 |
| 85 | 22,500* | | | | | | | | | | | | | | | | | | 85 |
| 90 | 21,800* | | | | | | | | | | | | | | | | | | 90 |
| 95 | 20,700* | | | | | | | | | | | | | | | | | | 95 |
| 100 | 20,000* | 24,200 | | | | | | | | | | | | | | | | | 100 |
| 105 | 19,300* | 23,300 | | | | | | | | | | | | | | | | | 105 |
| 110 | 18,500* | 22,500 | | | | | | | | | | | | | | | | | 110 |
| 115 | 17,800* | 21,400 | | | | | | | | | | | | | | | | | 115 |
| 120 | 16,500* | 20,200 | | | | | | | | | | | | | | | | | 120 |
| 125 | 15,200* | 19,100 | | | | | | | | | | | | | | | | | 125 |
| 130 | 13,800* | 18,000 | 14,600* | | | | | | | | | | | | | | | | 130 |
| 135 | 12,700* | 16,800* | 14,100* | | | | | | | | | | | | | | | | 135 |
| 140 | 11,700* | 15,800* | 13,200* | | | | | | | | | | | | | | | | 140 |
| 145 | | 14,900* | 12,500* | | | | | | | | | | | | | | | | 145 |
| 150 | | 13,800* | 11,900* | | | | | | | | | | | | | | | | 150 |
| 155 | | 12,700* | 11,200* | 8,500 | | | | | | | | | | | | | | | 155 |
| 160 | | 11,600* | 10,500* | 8,400 | | | | | | | | | | | | | | | 160 |
| 165 | | 10,800* | 9,900* | 8,000 | | | | | | | | | | | | | | | 165 |
| 170 | | | 9,400* | 7,400 | | | | | | | | | | | | | | | 170 |
| 175 | | | 8,800* | 7,000 | | | | | | | | | | | | | | | 175 |
| 180 | | | 8,300* | 6,600 | | | | | | | | | | | | | | | 180 |
| 185 | | | 7,900* | 6,200 | | | | | | | | | | | | | | | 185 |
| 190 | | | 7,400* | 5,800 | | | | | | | | | | | | | | | 190 |
| 195 | | | 6,800* | 5,500 | | | | | | | | | | | | | | | 195 |
| 200 | | | | 5,100 | | | | | | | | | | | | | | | 200 |
| 205 | | | | 4,800 | | | | | | | | | | | | | | | 205 |
| 210 | | | | | | | | | | | | | | | | | | | 210 |
| 215 | | | | | | | | | | | | | | | | | | | 215 |
| 220 | | | | | | | | | | | | | | | | | | | 220 |
| Reeves | 2 | | | | | | 2 | | | | | | | | | | | | Reeves |

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

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

Refer to notes P13 and P14.

TRANSPORTATION PLAN

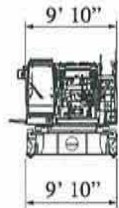
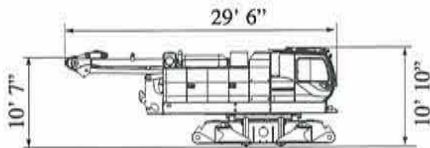
| Name | Dimension ft-in (mm) | Weight lbs (kg) |
|--|----------------------|--------------------|
| Base Machine <ul style="list-style-type: none"> • Boom base • Gantry • Crane backstop • Wire rope (Front / boom hoist) • Selfremoval cylinder • Without crawler | | 84,193 (38,190) |
| Base Machine <ul style="list-style-type: none"> • Gantry • Wire rope (Front / rear / boom hoist) • Without crawler | | 74,669 (33,870) |
| Base Machine <ul style="list-style-type: none"> • Without crawler • Without gantry • Without wire rope (Front / rear / boom base) | | 68,474 (31,060) |
| Self Removal Cylinder | | 3,307 (1,500) |
| Crawler | | 53,450 (16,080) |



PARTS AND ATTACHMENTS

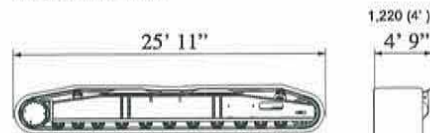
Base Machine

Gantry, wire rope (Front/rear/boom hoist),
Without crawler
Weight: 74,669 lbs Width: 9' 10"



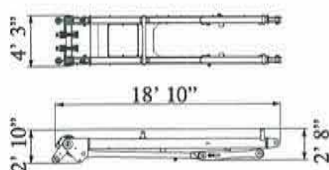
Crawler

Weight: 53,450 lbs



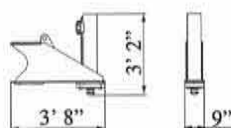
Gantry

Weight: 4,773 lbs



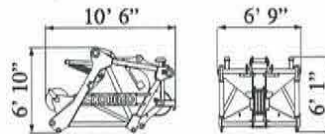
Translifter

Weight: 2,690 lbs x 4 pieces



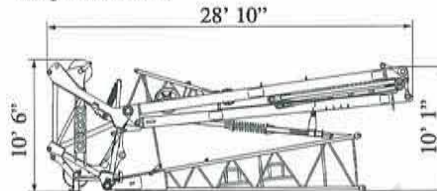
Luffing Upper Boom

Weight: 5,434 lbs



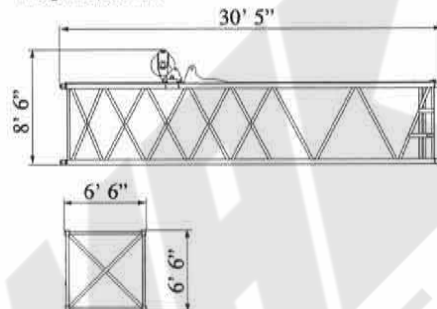
Luffing Boom Tip Assembly

Weight: 11,684 lbs



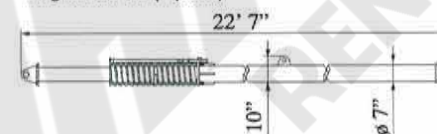
30 ft Special Insert Boom for Tower (Inc. Guide Sheave and Steps)

Weight: 3,957 lbs



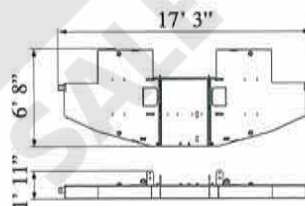
Crane Backstop

Weight: 520 lbs (1 piece)



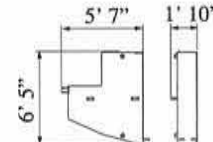
Counterweight (Base weight)

Weight: 22,046 lbs



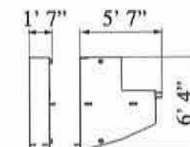
Counterweight

Weight: 9,921 lbs



Counterweight (Add. weight)

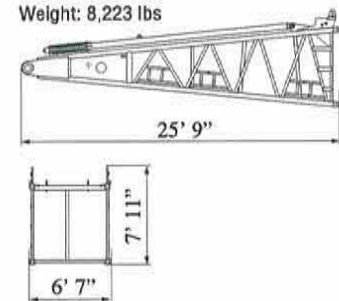
Weight: 9,921 lbs



Dimensions: ft Weight: lbs

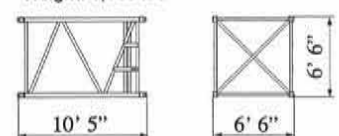
Boom Base

Weight: 8,223 lbs



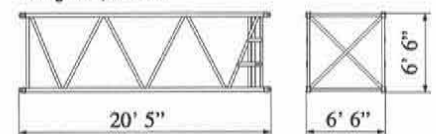
10 ft Insert Boom

Weight: 1,168 lbs



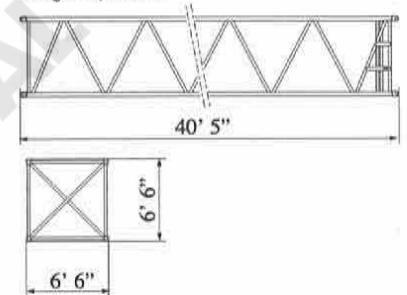
20 ft Insert Boom

Weight: 1,874 lbs



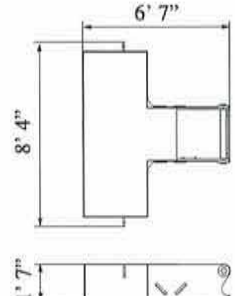
40 ft Insert Boom

Weight: 3,175 lbs



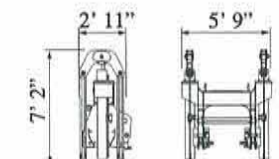
Carbodyweight

Weight: 23,810 lbs x 2 pieces



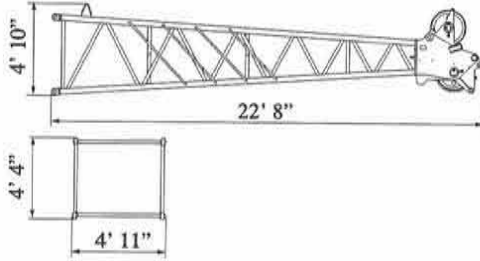
Self Removal Cylinder

Weight: 3,307 lbs

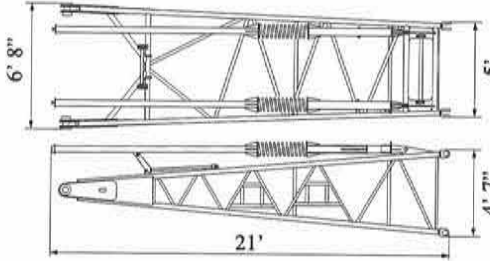


Dimensions: ft Weight: lbs

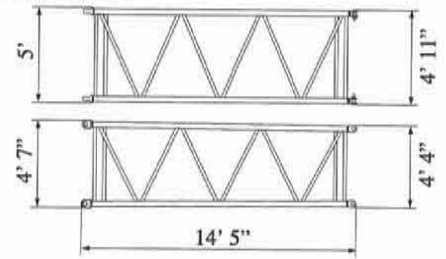
Jib Tip (Luffing Jib)
Weight: 2,579 lbs



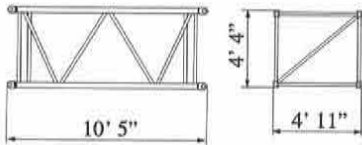
Jib Base (Luffing Jib)
Weight: 2,646 lbs



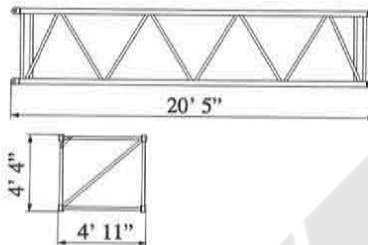
14 ft Taper Insert Jib (Luffing Jib)
Weight: 904 lbs



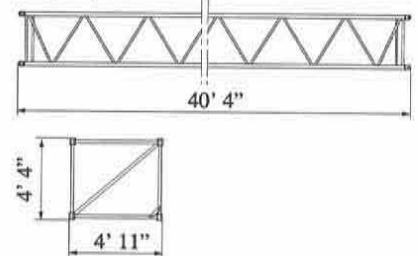
10 ft Insert Jib (Luffing Jib)
Weight: 683 lbs



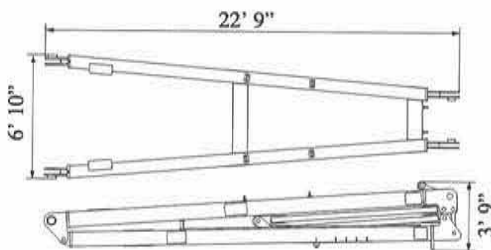
20 ft Insert Jib (Luffing Jib)
Weight: 1,190 lbs



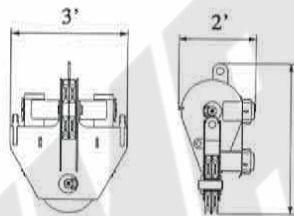
40 ft Insert Jib (Luffing Jib)
Weight: 2,116 lbs



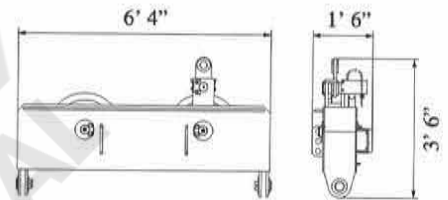
Jib Strut (Luffing Jib)
Weight: 4,431 lbs



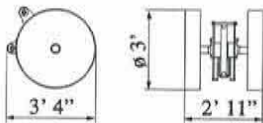
Jib Upper Spreader (for Luffing)
Weight: 573 lbs



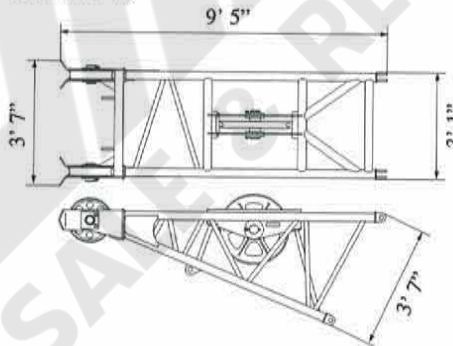
Jib Lower Spreader (for Luffing)
Weight: 893 lbs



Auxiliary Sheave (for Luffing)
Weight: 838 lbs



Rear Guide Roller
Weight: 937 lbs



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Note: This catalog may contain photographs of machines with specifications, attachments and optional equipment not certified for operation in your country. Please consult KOBELCO for those items you may require. Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

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