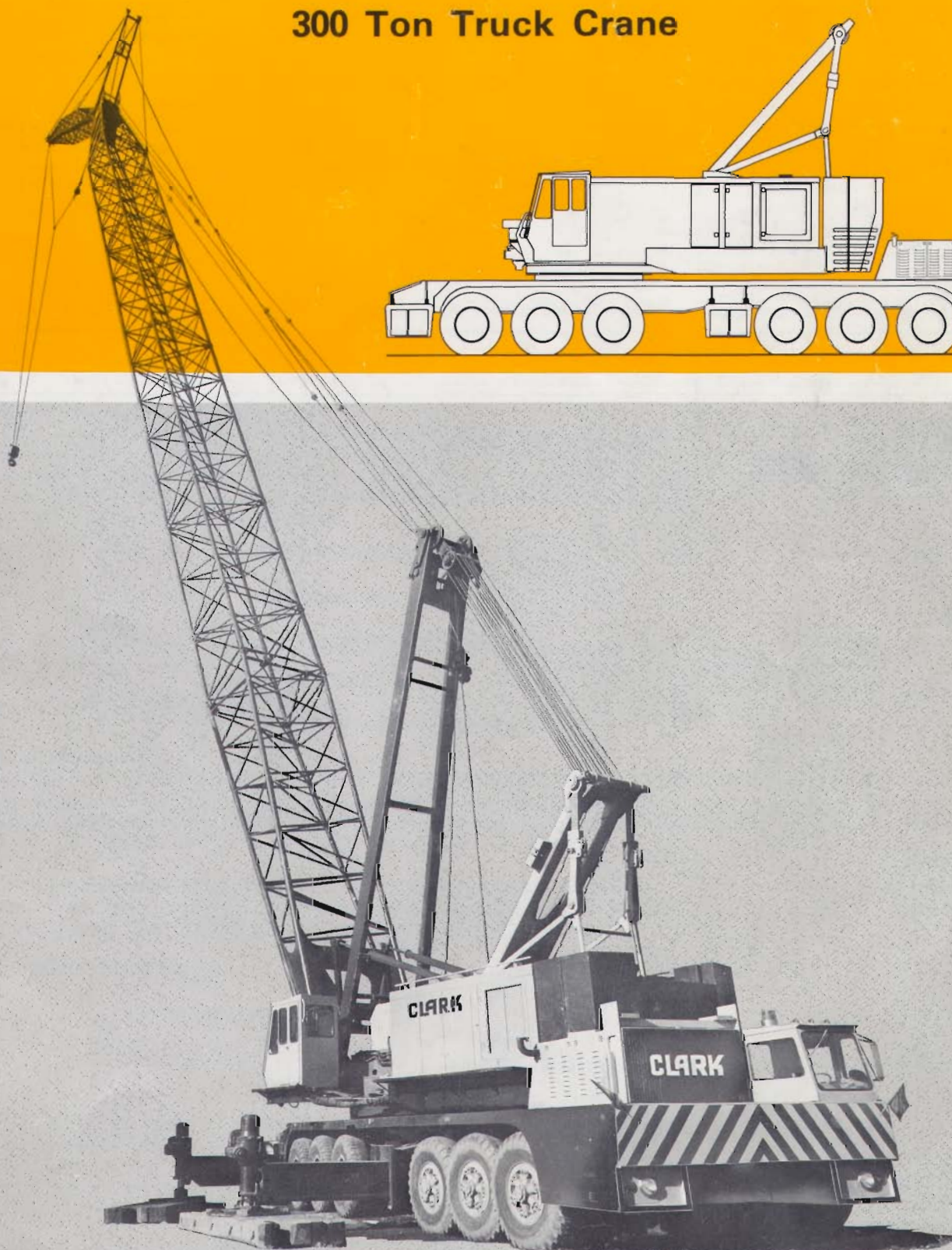
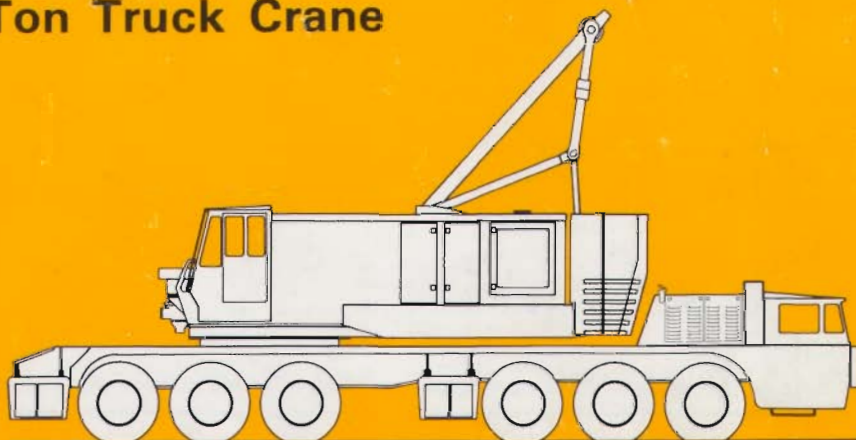




# CLARK

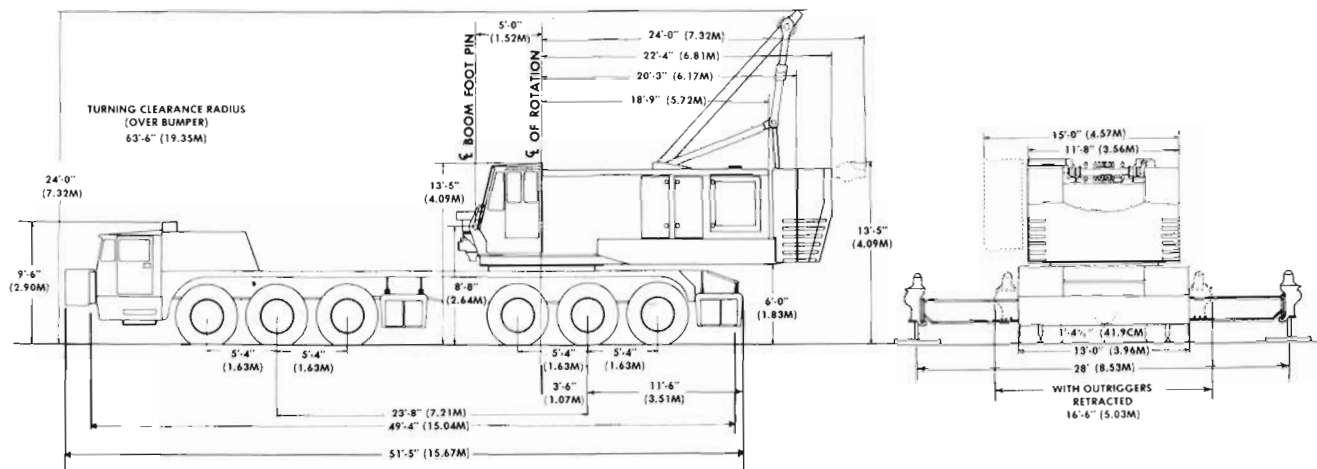
## 7700 Specifications

### 300 Ton Truck Crane



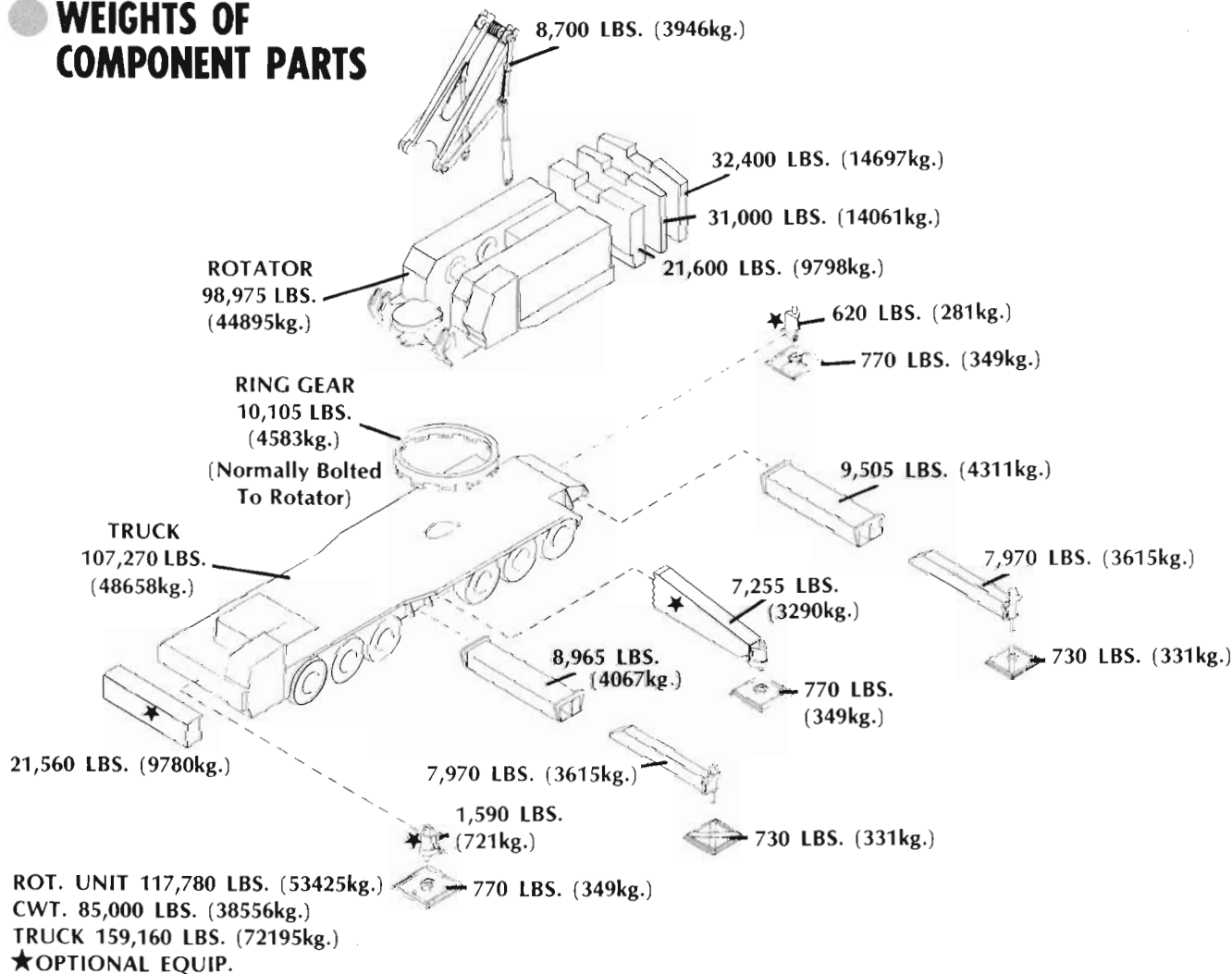


## CLEARANCE & DIMENSIONS



Relative position of the upper works, as shown, is for dimensioning purpose only, and is not recommended for use.

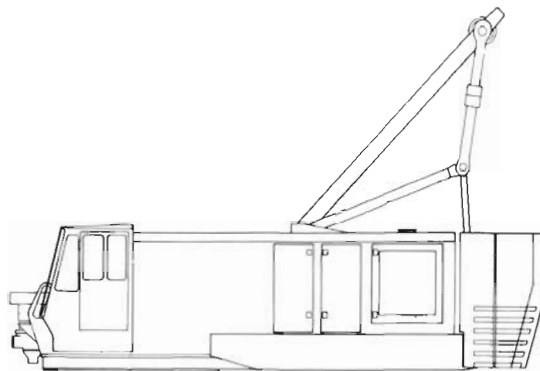
## WEIGHTS OF COMPONENT PARTS







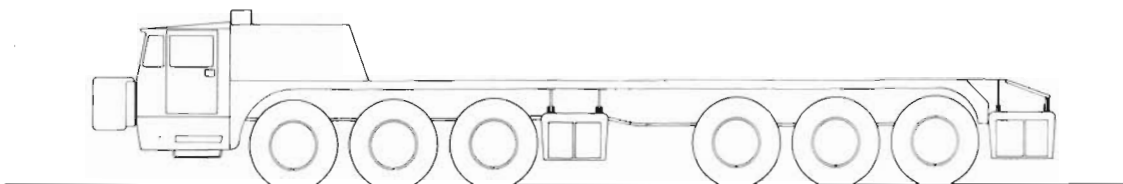
R-1

**ROTATING ASSEMBLY**

Equipment includes: Engine (See Item No. RO-100); independent fully hydraulic two drum boom hoist with infinite speed control and power controlled boom lowering; full hydraulic main hoist with infinite speed control in 2 ranges and power controlled lowering on all drums; multi position hydraulically controlled environmental pod; full hydraulic swing system; roller bearing swing circle; cab shutters; counterweight 85,000# (38 556kg); hydraulically controlled backhitch gantry; positive swing lock; running boards with handrails; signal horn; air and electric control equipment.

202,780 LBS. (91981kg)

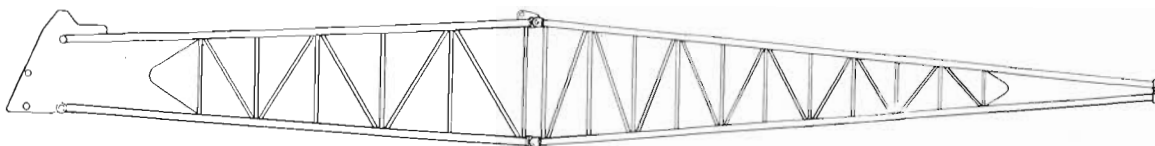
T-1

**TRUCK MOUNTING**

Equipment includes: LIMA truck with 12 x 6 drive; engine (See Item No. TO-35); 16:00" x 25" (40.6cm x 63.5cm) - 24 ply rating tires; 6 speed powershift transmission with electric controls, torque converter and hydraulic retarder; 3 planetary driving axles and inter-axle differential; 3 steering axles with power steering; pin on type outrigger boxes; hydraulic outriggers; air service brakes on all wheels; full width and length deck; fenders; flaps; mast rest; half cab; instruments; controls; directional signals; backup lights; west coast mirrors; and tools.

160,540 LBS. (72821kg)

A-2

**CRANE ATTACHMENT**

Equipment includes: 70' (21.34M) pin connected tubular boom [90" (228.6cm) x 108" (274.3cm)] [40' (12.19M) base and 30' (9.14M) heavy duty point section] with 7 sheaves for 15 part reeving; rope guards; mast with 14 part boom hoist reeving; swaged type pendants for basic boom; 38" (96.52cm) front and 38" (96.52cm) rear hoist drums; and telescopic boomstops with electric over air shutoff.

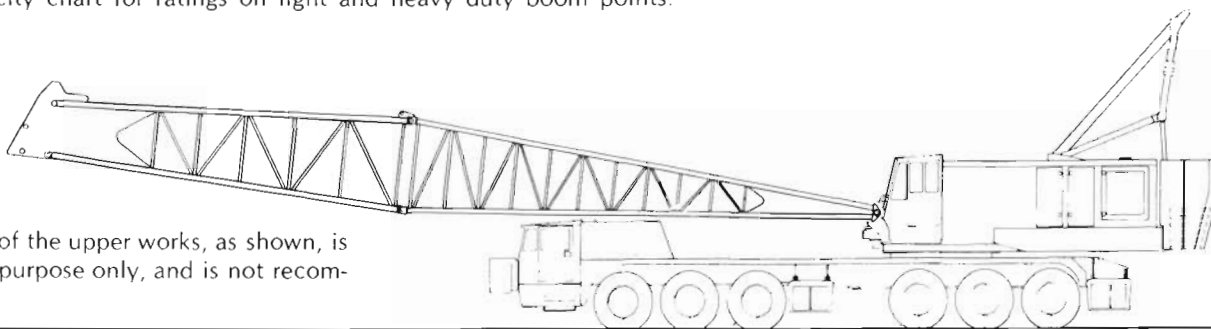
31,365 LBS. (14227kg)

Note: Maximum boom length with heavy duty point section, 250' (76.20M)

Maximum boom length with light duty point section, 330' (100.58M).

See capacity chart for ratings on light and heavy duty boom points.

Relative position of the upper works, as shown, is for dimensioning purpose only, and is not recommended for use.



**TOTAL WEIGHT OF R-1, T-1 & A-2 = 394,685 LBS. (179 029Kg)**

**TOTAL WEIGHT OF R-1 & T-1 = 363,320 LBS. (164 802Kg)**



## AXLE LOADING AND WEIGHTS

**Complete Machine Equipped As Follows:** Carrier, Outrigger Boxes, Outrigger Beams, Floats, Rotating Unit, Main Counterweight, and 70' (21.34M) Basic Boom.

| Weight Combinations                                                             | Boom Position | Front Bogie             | Rear Bogie               | Total Weight             |
|---------------------------------------------------------------------------------|---------------|-------------------------|--------------------------|--------------------------|
|                                                                                 | F             | *                       | *                        | *                        |
| Complete Machine 1                                                              | R             | 146,285 Lbs. (66355kg.) | 248,400 Lbs. (112674kg.) | 394,685 Lbs. (179029kg.) |
| Machine Less Main Counterweight 2                                               | F             | 90,895 Lbs. (41230kg.)  | 218,790 Lbs. (99243kg.)  | 309,685 Lbs. (140473kg.) |
|                                                                                 | R             | 61,380 Lbs. (27842kg.)  | 248,305 Lbs. (112631kg.) | 309,685 Lbs. (140473kg.) |
| Machine Less Main Counterweight, Boxes, Beams, and Floats 4                     | F             | 86,670 Lbs. (39314kg.)  | 169,745 Lbs. (76996kg.)  | 256,415 Lbs. (116310kg.) |
|                                                                                 | R             | 57,155 Lbs. (25926kg.)  | 199,260 Lbs. (90384kg.)  | 256,415 Lbs. (116310kg.) |
| Machine Less Main Counterweight, Boxes, Beams, Floats, and Boom Point Section 3 | F             | *                       | *                        | *                        |
|                                                                                 | R             | 83,625 Lbs. (37932kg.)  | 162,330 Lbs. (73633kg.)  | 245,955 Lbs. (111565kg.) |
| Machine Less Main Counterweight, Boxes, Beams, Floats, and Complete Boom. 3     | F             | *                       | *                        | *                        |
|                                                                                 | R             | 101,960 Lbs. (46249kg.) | 123,090 Lbs. (55834kg.)  | 225,050 Lbs. (102083kg.) |

F — Denotes Boom Extended Forward.

R — Denotes Boom Extended Rearward.

\* — Do not travel with this combination and boom location.

Tire Pressure to be 95 P.S.I. (65.5 NPSCm)

For best results, the tire manufacturers recommend the following maximum speeds with the loading shown:

1 2.5 M.P.H. (4.02 KmPH); 2 10 M.P.H. (16.10 KmPH); 3 15 M.P.H. (24.14 KmPH) 4 20 M.P.H. (32.18 KmPH)

**Complete Carrier Equipped As Follows:** Carrier, Outrigger Boxes, Outriggers, and Floats.

| Weight Combinations                                  | Front Bogie             | Rear Bogie             | Total                   |
|------------------------------------------------------|-------------------------|------------------------|-------------------------|
| Complete Carrier                                     | 120,220 Lbs. (54532kg.) | 40,320 Lbs. (18289kg.) | 160,540 Lbs. (72821kg.) |
| Carrier Less Outriggers and Floats                   | 51,140 Lbs. (23197kg.)  | 74,600 Lbs. (33839kg.) | 125,740 Lbs. (57036kg.) |
| Carrier Less Outriggers, Floats, and Outrigger Boxes | 49,855 Lbs. (22614kg.)  | 57,415 Lbs. (26043kg.) | 107,270 Lbs. (48658kg.) |

Tire Pressure to be 70 P.S.I. (48.3 NPSCm)

The manufacturers recommend not over 50 miles (80.5 Km) be traveled in any 1½ hour period.

## POWER PLANT DATA (CARRIER)

| Make    | Model   | Fuel   | Cyl. | Bore & Stroke             | Net Horsepower    |
|---------|---------|--------|------|---------------------------|-------------------|
| Cummins | KTA-600 | Diesel | 6    | 6¼" x 6¼" (159mm x 159mm) | 525 @ 2100 R.P.M. |

## PERFORMANCE DATA (CARRIER)

Bare Truck Travel Speed — 43 M.P.H. (69.19 KmPH) on 0% grade.

Fully equipped basic machine can travel up a 21% grade.

Basic machine less counterweight, outrigger boxes, beams, floats, and boom can travel up a 24% grade.

Turning radius — 59 ft. (18m) (curb radius).

Number of travel speeds — 18 forward and 3 reverse.

Tires — 16.00 x 25 (40.6cm x 63.5cm) (24 ply)



## DESCRIPTIVE DATA (CARRIER)

### Basic, Standard and Optional Components

**FRAME:** Carrier frame of heavy-duty, all welded construction. Two main members, each of deep box and I-beam section, are joined together by bumper and box section cross members. 100,000 P.S.I. (68944 N/cm<sup>2</sup>) steel is used in highly stressed members of Frame.

**OUTRIGGER BOXES:** The two outrigger boxes are fabricated from steel plates. Boxes are of the pin-on design for ease of removal, and are equipped with rollers for ease in rolling out outrigger beams.

**OUTRIGGER BEAMS:** Four box section extensible beams mounted two in each outrigger box are fabricated of alloy steel and equipped with hydraulic operated screw jacks and floats. Independent control valves for extending each beam and for lowering each hydraulic jack provide precise leveling of truck. Control valve station is portable for unobstructed viewing of jacks.

**FRONT TRIDEM SUSPENSION:** Front tridem axles are suspended by six alloy steel underslung equalizers, four of which are direct-connected to chassis frame. Two torque rods on each axle maintain proper positioning of axles.

**FRONT AXLES:** Three tubular-high clearance type. Wheels are mounted on roller bearings.

**REAR AXLES:** Three planetary rear drive axles, gear ration of 11.455:1. Mid-axle has interaxle differential with lockout.

**REAR TRIDEM SUSPENSION:** Rear tridem axles are suspended by six alloy steel underslung equalizers, four of which are direct-connected to chassis frame. One torque rod on each axle maintains proper positioning of axles.

**WHEELS:** Heavy-duty 11.25 x 25 (28.6 cm x 63.5 cm) STND rims, six singles in front, six duals in rear, making a total of eighteen wheels.

**TIRES:** Eighteen 16.00 x 25 (40.6cm x 63.5cm) — 24 ply rating.

**FUEL CAPACITY:** 100 gallons (378 Liters).

**FENDERS:** Fenders are of the combination fender-deck design, providing a flat full width, full length walkway.

**SERVICE BRAKES:** Air brakes on all wheels. Front brake shoes are 20¼" (51.4cm) diameter x 5" (12.7cm) wide. Rear brake shoes are 20¼" (51.4cm) diameter x 7" (17.8cm) wide.

**AUXILIARY BRAKES:** Spring set, air released brake cylinders on rear axles lock brakes in case of air loss. Emergency release valve on dash allows some maneuvering after air loss. Auxiliary valve sets brakes for parking.

**OPERATING BRAKE:** A hand-operated air valve applies the service brakes when required for holding the machine when operating.

**STEERING:** Power assisted steering, with individual double acting cylinders on each front axle. The cylinders are powered by an engine driven hydraulic pump and metered by a control valve built into the draglink.

**MAIN TRANSMISSION:** Allison #5960 CLBT six speeds forward and one reverse. Transmission is equipped with TC 690 converter and hydraulic retarder.

**AUXILIARY TRANSMISSION:** Spicer P1241-C with 3 speeds giving the carrier 18 speeds forward and 3 reverse.

**CAB:** One-man type, with visor type top. All steel construction, amply ventilated for summer or winter. Adjustable seat. Instrument panel contains speedometer, odometer, ammeter, oil pressure gauge, water temperature gauge, fuel gauge and pilot lights, air gauge, converter oil temperature gauge, light switches, ignition and starter switch.

**BUMPER COUNTERWEIGHT:** One piece, required when using long boom or boom and jib combination. See "boom and jib data."

**MISCELLANEOUS ACCESSORIES:** Inflating hose and tire pressure gauge, mast rest, rear view mirrors, two beam headlights, stop and tail light, front, middle and rear marker lights and parking lights, electric directional signals, electric windshield wipers, electric dual horn, fender flaps, heater and defrosters.



## ● POWER PLANT DATA (ROTATOR)

| Make    | Model       | Fuel   | Cyl. | Bore & Stroke                   | Net Horsepower |
|---------|-------------|--------|------|---------------------------------|----------------|
| Cummins | NTA 855C420 | Diesel | 6    | 5 1/2" x 6" (13.97cm x 15.24cm) | 420 @ 2300     |

## ● CLUTCH AND BRAKE DATA

| Function        | CLUTCHES |                  |               |                                            | BRAKES |              |              |                                            |
|-----------------|----------|------------------|---------------|--------------------------------------------|--------|--------------|--------------|--------------------------------------------|
|                 | Type     | Width            | Diameter      | Area                                       | Type   | Width        | Diameter     | Area                                       |
| Main Hoist      | Band     | 4 1/2" (11.43cm) | 43" (109.2cm) | 518 In <sup>2</sup> (3342cm <sup>2</sup> ) | Band   | 6" (15.24cm) | 50" (127cm)  | 748 In <sup>2</sup> (4826cm <sup>2</sup> ) |
| Auxiliary Hoist | Band     | 4 1/2" (11.43cm) | 43" (109.2cm) | 518 In <sup>2</sup> (3342cm <sup>2</sup> ) | Band   | 6" (15.24cm) | 50" (127cm)  | 748 In <sup>2</sup> (4826cm <sup>2</sup> ) |
| Boom Hoist      | Band     | —                | —             | —                                          | Band   | 4" (101.6cm) | 15" (38.1cm) | 145 In <sup>2</sup> (935cm <sup>2</sup> )  |
| Swing Brake     | Band     | —                | —             | —                                          | Band   | 4" (10.16cm) | 26" (66cm)   | 258 In <sup>2</sup> (1665cm <sup>2</sup> ) |
| Third Drum      | Band     | 4 1/2" (11.43cm) | 43" (109.2cm) | 518 In <sup>2</sup> (3342cm <sup>2</sup> ) | Band   | 6" (15.24cm) | 50" (127cm)  | 748 In <sup>2</sup> (4826cm <sup>2</sup> ) |

## ● LAGGING DATA

| Lagging Location             | Use                   | Drum P.D.    | Drum Width        | Type    | Eff. Capy. 1st Layer | Maximum Capy. Layers | Wire Rope Size  |
|------------------------------|-----------------------|--------------|-------------------|---------|----------------------|----------------------|-----------------|
| Boom Hoist Shaft             | Boom Hoist            | 15" (38.1cm) | 14-7/16" (36.7cm) | Grooved | 90' (27.4M)          | 1002' (305.4M) in 7  | 1" (25.4mm)     |
| Rear Hoist Shaft             | Main Hoist            | 24" (61cm)   | 38" (96.5cm)      | Grooved | 191' (58.2m)         | 1,796' (547.4M) in 7 | 1-1/8" (28.6mm) |
| Right Hand Front Hoist Shaft | Auxiliary Hoist       | 24" (61cm)   | 17 1/2" (44.5cm)  | Grooved | 79' (24.1M)          | 658' (200.6M) in 6   | 1-1/8" (28.6mm) |
| Left Hand Front Hoist Shaft  | Third Drum            | 24" (61cm)   | 17 1/2" (44.5cm)  | Grooved | 79' (24.1M)          | 658' (200.6M) in 6   | 1-1/8" (28.6mm) |
| Front Hoist Shaft            | Full Width Front Drum | 24" (61cm)   | 38" (96.5cm)      | Grooved | 191' (58.2M)         | 1,796' (547.4M) in 7 | 1-1/8" (28.6mm) |

## ● MISCELLANEOUS DATA (ROTATOR)

|               |                      |
|---------------|----------------------|
| Swing Speed   | 2.1 R.P.M.           |
| Fuel Capacity | 200 Ga. (757 Liters) |





## DESCRIPTIVE DATA (ROTATING ASSEMBLY)

### Basic, Standard and Optional Components

**ROTATING BASE:** Fabricated with integral machine frames using alloy steel for strong, lightweight construction. Separate fuel tank.

**SHAFTING:** All shafting made from heat treated alloy steel. Involute splines used extensively.

**SWING:** Separate gear box provides power for swing. This assembly easily removed for service. Driven by hydraulic motor controlled by special fine-metering valve for precise swing control. Vertical swing shaft and pinion is one piece forging. Gearing runs in oil.

**SWING BRAKE:** A band brake at top of swing assembly is spring set, air release controllable by the operator. Also a swing snub operates this band brake for momentarily holding while setting loads.

**SWING LOCK:** A pawl engages in slots at the bottom of the swing brake housing and can be used as a upper unit parking lock.

**FRONT DRUM SHAFT:** Supported by self-aligning anti-friction bearings. Can have either two drums or a full width single drum. All drums are mounted on anti-friction bearings.

**REAR DRUM SHAFT:** Supported by self-aligning anti-friction bearings. A full width single drum for maximum rope capacity is mounted on anti-friction bearings.

**HOIST CLUTCHES:** Air actuated — internal expanding friction band type.

**HOIST BRAKES:** External contracting friction band type. Spring set — air release parking feature with an air actuated, foot pedal applied, operating brake. Separate brakes for each drum.

**HOIST DRUM RATCHET:** Each drum has a spring set, air release ratchet that's controllable by the operator.

**HOIST POWER:** Full hydraulic — hydraulic motor powers a selectable transmission to give two speed ranges, which in turn, thru a gear train, powers both front and rear drum shafts. The hydraulic motor is controlled by varying the flow of oil from the hoist pump which give infinite speed control in both raising and lowering directions. This provides Power Load Lowering on all drums with the same speed and precision as raising a load. Gearing runs in oil.

**BOOM HOIST:** Is a self-contained unit that pins to the rotating base. Two hydraulic motors, through a gear reduction, drive two drums keyed to a common shaft. Two external contracting friction band brakes are spring set — air release type that release automatically when powering up or down and set automatically when boom hoisting operation stops. The hydraulic motors are controlled by varying the flow from the boom hoist pump. This gives infinite speed control both raising and lowering the boom.

**BOOM HOIST RATCHET:** Ratchet on the drum shaft is spring set — air release and controllable by the operator.

**BOOMS AND JIBS:** Extensible type with tubular T1 chords — refer to boom and jib data.

**BOOM STOP:** Telescopic with automatic air cut-off of boom hoisting power. Stops are attached to the boom base or to the mast when using it as a boom.

**BOOM SUSPENSION:** 14-part line from gantry to mast. Slings from mast to boom point with mid-point suspension when boom length dictates.

**COUNTERWEIGHT:** Three piece — cast iron hooked on at rear of rotating frame. Readily removable for weight reduction.

**COUNTERWEIGHT REMOVAL EQUIPMENT:** Using links and gantry hydraulic cylinders, the counterweights can be removed or added in two sections rapidly and smoothly.

**GANTRY:** Back hitch type with the rear legs made up of two hydraulic cylinders and telescopic sections. Can be pinned up at maximum height for working and pinned down at cab height for traveling.

**MACHINERY CAB:** Steel construction with doors and hatches conveniently located for easy service of engine and machinery. All doors can be latched open or closed. Louvers are adjustable to provide proper heating or cooling to engine and hydraulic components.

**OPERATOR'S POD:** Swings in for shipping — nothing has to be disconnected or removed — and swings out for working. Hydraulically controlled from operator's seat or from ground. All steel construction, full 360° vision with rubber-set windows. Front and right hand windows can be opened. Can be heated, air conditioned, and is sound conditioned for operator's comfort.

**SWING CIRCLE:** Upper rotating unit mounts on a roller bearing swing circle that has internal cut teeth which mate with the swing pinion. Circulating oil lubricates the gear teeth. The inner half of the swing circle mounts to the truck by extended tangs that fit into slots in the truck. Adjustable wedges lock these tangs in place, affording easy and rapid removal of the upper from the truck.

**GEARING:** Note — All gears are fully enclosed and run in oil.

**POWER TAKE-OFF:** Engine driven pump drive gear box that has a master clutch disconnect. Each function, swing, boom hoist, hoist, and propel (for crawler version) has a separate pump for independent control.

**HYDRAULIC SYSTEM:** Steel tubing and hose connect the pumps and motors. The tank is equipped with filters, strainers, and level indicator. An oil cooler is mounted in front of the engine radiator.

**OPTIONAL INDEPENDENT DRIVE FRONT DRUM:** This has a separate hydraulic pump and motor to power the front drum with all the control features of the rear drum power. This offers more versatility to the hoisting function.



| MAXIMUM BOOM OR BOOM PLUS JIB THAT CAN BE HANDLED HORIZONTALLY |                               |                                  |                               |
|----------------------------------------------------------------|-------------------------------|----------------------------------|-------------------------------|
| OVER REAR ON STANDARD AND REAR AUXILIARY OUTRIGGERS            |                               | OVER SIDE ON STANDARD OUTRIGGERS |                               |
| Less Bumper Counterweight                                      | With Bumper Counterweight     | Less Bumper Counterweight        | With Bumper Counterweight     |
| 330' (100.58M)                                                 | 330' (100.58M)                | 300' (91.44M)                    | 310' (94.49M)                 |
| 310' (94.49M) + 40' (12.19M)                                   | 330' (100.58M) + 40' (12.19M) | 270' (82.30M) + 40' (12.19M)     | 270' (82.30M) + 40' (12.19M)  |
| 300' (91.44M) + 50' (15.24M)                                   | 330' (100.58M) + 50' (15.24M) | 240' (73.15M) + 50' (15.24M)     | 240' (73.15M) + 50' (15.24M)  |
| 290' (88.39M) + 60' (18.29M)                                   | 320' (97.54M) + 60' (18.29M)  | 240' (73.15M) + 60' (18.29M)     | 240' (73.15M) + 60' (18.29M)  |
| 290' (88.39M) + 70' (21.34M)                                   | 320' (97.54M) + 70' (21.34M)  | 240' (73.15M) + 70' (21.34M)     | 240' (73.15M) + 70' (21.34M)  |
| 290' (88.39M) + 80' (24.38M)                                   | 310' (94.49M) + 80' (24.38M)  | 230' (70.10M) + 80' (24.38M)     | 230' (70.10M) + 80' (24.38M)  |
| 280' (85.34M) + 90' (27.43M)                                   | 310' (94.49M) + 90' (27.43M)  | 230' (70.10M) + 90' (27.43M)     | 230' (70.10M) + 90' (27.43M)  |
| 280' (85.34M) + 100' (30.48M)                                  | 310' (94.49M) + 100' (30.48M) | 220' (67.06M) + 100' (30.48M)    | 220' (67.06M) + 100' (30.48M) |

| OVER REAR ON STANDARD OUTRIGGERS |                               | OVER SIDE WITH AUXILIARY AND STANDARD OUTRIGGERS |
|----------------------------------|-------------------------------|--------------------------------------------------|
| Less Bumper Counterweight        | With Bumper Counterweight     | With Bumper Counterweight                        |
| 330' (100.58M)                   | 330' (100.58M)                | 320' (97.54M)                                    |
| 280' (85.34M) + 40' (12.19M)     | 310' (94.49M) + 40' (12.19M)  | 280' (85.34M) + 40' (12.19M)                     |
| 270' (82.30M) + 50' (15.24M)     | 300' (91.44M) + 50' (15.24M)  | 280' (85.34M) + 50' (15.24M)                     |
| 270' (82.30M) + 60' (18.29M)     | 300' (91.44M) + 60' (18.29M)  | 270' (82.30M) + 60' (18.29M)                     |
| 270' (82.30M) + 70' (21.34M)     | 290' (88.39M) + 70' (21.34M)  | 270' (82.30M) + 70' (21.34M)                     |
| 240' (73.15M) + 80' (24.38M)     | 290' (88.39M) + 80' (24.38M)  | 270' (82.30M) + 80' (24.38M)                     |
| 240' (73.15M) + 90' (27.43M)     | 280' (85.34M) + 90' (27.43M)  | 250' (76.20M) + 90' (27.43M)                     |
| 240' (73.15M) + 100' (30.48M)    | 280' (85.34M) + 100' (30.48M) | 240' (73.15M) + 100' (30.48M)                    |

## BOOM DATA

| Component                                                         | Light Duty Boom           | Heavy Duty Boom           |
|-------------------------------------------------------------------|---------------------------|---------------------------|
| Point Shaft                                                       | 1,100 Lbs. ( 499kg. )     | 2,600 Lbs. (1179kg.)      |
| 30' (13.61M) Point Section                                        | 5,160 Lbs. (2341kg.)      | 6,890 Lbs. (3125kg.)      |
| 40' (12.19M)                                                      | 7,725 Lbs. (3504kg.)      | 7,725 Lbs. (3504kg.)      |
| Basic Pendants Base Section                                       | 800 Lbs. ( 363kg.)        | 970 Lbs. ( 440kg.)        |
| 10' (3.05M) Extension With Pendants                               | 1,825 Lbs. ( 828kg.)      | 1,895 Lbs. ( 860kg.)      |
| 20' (6.10M) Extension With Pendants                               | 2,900 Lbs. (1315kg.)      | 2,975 Lbs. (1349kg.)      |
| 40' (12.19M) Extension With Pendants                              | 4,995 Lbs. (2266kg.)      | 5,095 Lbs. (2311kg.)      |
| 40' (12.19M) Mast                                                 | 8,275 Lbs. (3754kg.)      | 8,275 Lbs. (3754kg.)      |
| Boom Stop                                                         | 1,365 Lbs. ( 619kg.)      | 1,365 Lbs. ( 619kg.)      |
| Midpoint Suspension<br>170' (51.82M) Boom to 230' (70.10M) Boom   | 1,050 Lbs. ( 476kg.)      | 1,050 Lbs. ( 476kg.)      |
| Midpoint Suspension<br>240' (73.15M) Boom to 260' (79.25M) Boom   | 1,190 Lbs. ( 540kg.)      | 1,190 Lbs. ( 540kg.)      |
| Midpoint Suspension<br>270' (82.30M) Boom and 330' (100.58M) Boom | 1,420 Lbs. ( 644kg.)      | 1,420 Lbs. ( 644kg.)      |
| Boom Hoist Wire Rope                                              | 2,460 Lbs. (1116kg.)      | 2,460 Lbs. (1116kg.)      |
| Main Hoist Wire Rope                                              | 3,750 Lbs. (1702kg.)      | 3,750 Lbs. (1702kg.)      |
| Auxiliary Hoist Wire Rope                                         | 2.46 Lbs./Ft. (3.66kg./M) | 2.46 Lbs./Ft. (3.66kg./M) |
| 300 Ton Hookblock                                                 | 5,400 Lbs. (2449kg.)      | 5,400 Lbs. (2449kg.)      |
| 40 Ton Hookblock                                                  | 1,100 Lbs. ( 499kg.)      | 1,100 Lbs. ( 499kg.)      |
| 20 Ton Ball and Hook                                              | 800 Lbs. ( 363kg.)        | 800 Lbs. ( 363kg.)        |

Boom Make-up: The first 70' (21.34M) of boom extensions adjacent to the boom base must be 6" (152mm) O.D. tubing; all remaining extensions should be 5 1/4" (146mm) O.D. tube. The heavy duty boom point section with heavy duty point shaft is to be installed on booms 70' (21.34M) thru 250' (76.20M); the light duty boom point with light duty point shaft is to be installed on booms 260' (79.25M) thru 330' (100.58M).



**JIB DATA**

| Component                          | Heavy Duty Jib       |
|------------------------------------|----------------------|
| Basic Jib Length                   | 40' (12.19M)         |
| Maximum Length                     | 100' (30.48M)        |
| Basic Jib                          | 5,040 Lbs. (2286kg.) |
| 10' (3.05M) Extension With Pendant | 660 Lbs. ( 299kg.)   |
| 20' (6.10M) Extension with Pendant | 1,005 Lbs. ( 456kg.) |

**BOOM AND JIB DATA**

| JIB                    |                                           |
|------------------------|-------------------------------------------|
| Basic Length           | 40' (12.19M)                              |
| Max. Length            | 100' (30.48M)                             |
| Section                | 46" x 52" (1.7M x 1.32M)                  |
| Chord Size             | 2½" (6.35cm) O.D. Tube                    |
| Chord Material         | 100,000 P.S.I. (68944 N/cm <sup>2</sup> ) |
| Quan. Sheaves at Point | One (1)                                   |
| P.D. Point Sheave      | 21-3/8" (54.3cm) P.D.                     |
| Capacity               |                                           |
| 40' (12.19M)           | 40 Tons (36.3 Tons)                       |
| 50' (15.24M)           | 31½ Tons (28.6 Tons)                      |
| 60' (18.29M)           | 24 Tons (21.8 Tons)                       |
| 70' (21.34M)           | 20 Tons (18.1 Tons)                       |
| 80' (24.38M)           | 18 Tons (16.3 Tons)                       |
| 90' (27.43M)           | 15½ Tons (14.1 Tons)                      |
| 100' (30.48M)          | 13½ Tons (12.2 Tons)                      |

| BOOM, TUBULAR PIN CONNECTED  |                                                       |
|------------------------------|-------------------------------------------------------|
| Type Service                 | Crane                                                 |
| Suspension                   | Mast and Pendants                                     |
| Gantry                       | High Back Hitch                                       |
| Mast                         | 40' (12.19M)                                          |
| Quan. Sheaves at Point Shaft | Light Duty Point 3                                    |
|                              | Heavy Duty Point 7                                    |
| Dia. Point Sheaves           | 21-3/8" (54.3cm) P.D. — 1-1/8" (29mm) Dia. Wire Rope  |
| Basic Boom Length            | 70' (21.34M)                                          |
| Chord Material               | 100,000 P.S.I. (68944 N/cm <sup>2</sup> ) Steel       |
| Extensions                   | 10', 20', and 40' Straight (3.05M, 6.10M, and 12.19M) |
| Section                      | 90" x 108" (2.29M x 2.74M)                            |
| Max. Boom Length             | 330' (100.58M)                                        |
| Chord Dimensions             | Light Duty 5-3/4" O.D. (146mm) Tube                   |
|                              | Heavy Duty 6" O.D. (152mm) Tube                       |



## ● HOIST LINE DATA

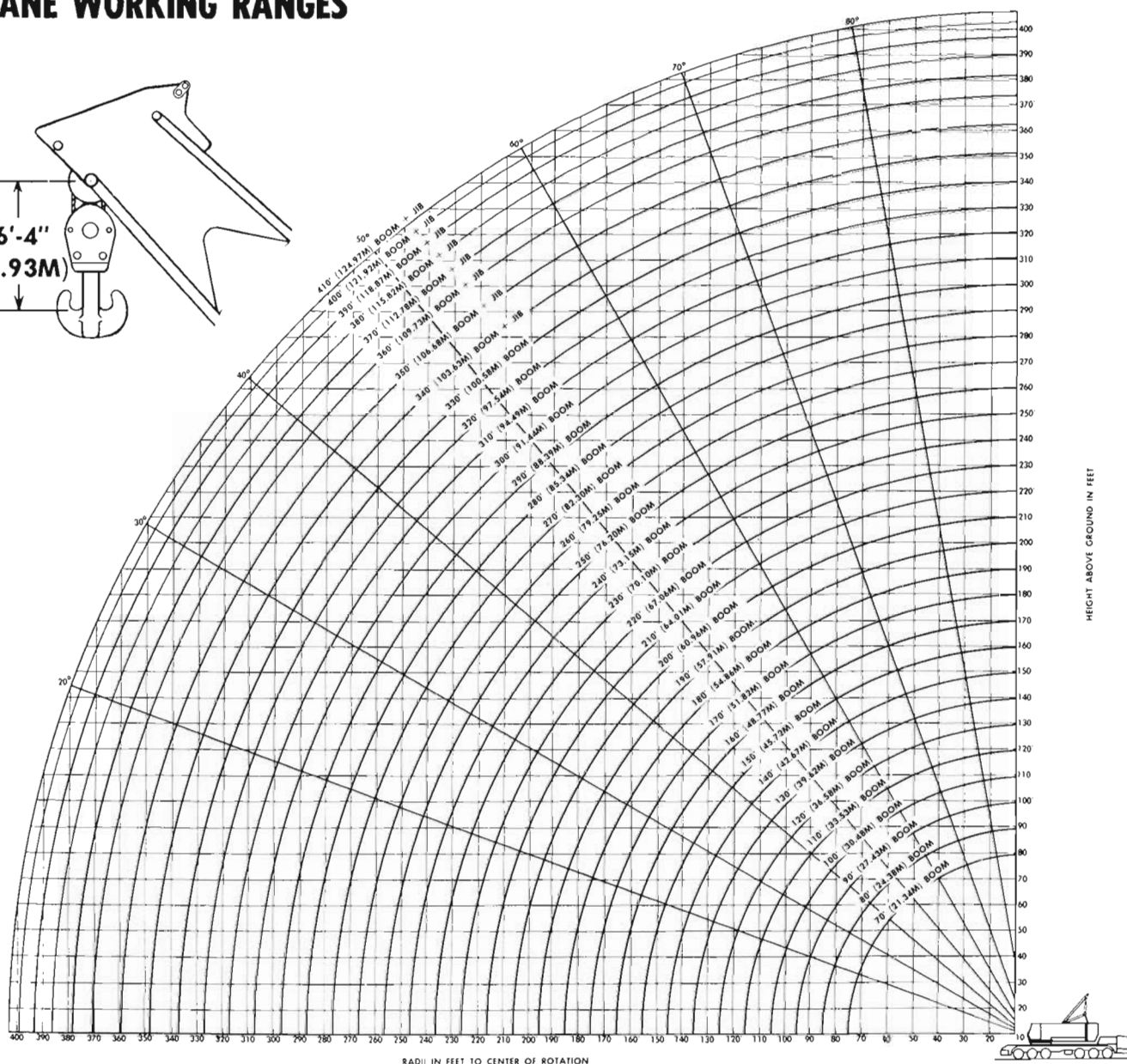
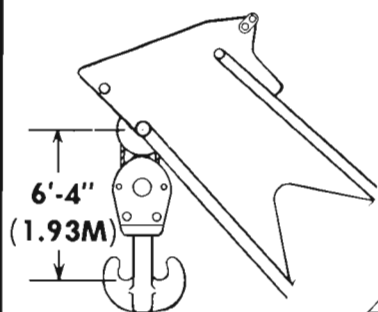
| Typical Hoist Performance<br>Both Front & Rear Hoist Shafts |                           |                              |
|-------------------------------------------------------------|---------------------------|------------------------------|
| Speed Range                                                 | Line Pull                 | Line Speed                   |
| 1st                                                         | 40,000 Lbs.<br>(18144kg.) | 180 F.P.M.<br>(54.86M.P.M.)  |
| 2nd                                                         | 20,000 Lbs.<br>(9072kg.)  | 350 F.P.M.<br>(106.68M.P.M.) |

| Optional                                      |                              |
|-----------------------------------------------|------------------------------|
| Independent Front Drive Hoist                 |                              |
| Typical Hoist Performance<br>Front Hoist Only |                              |
| Line Pull                                     | Line Speed                   |
| 25,000 Lbs.<br>(11340kg.)                     | 185 F.P.M.<br>(56.39 M.P.M.) |



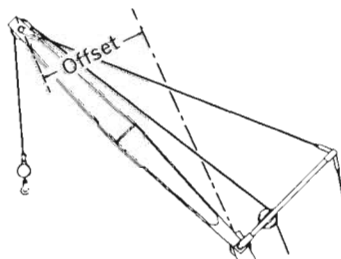


## CRANE WORKING RANGES

WIRE ROPE REEVING  
FOR HOOK BLOCKS

| Parts of Line<br>Rope Load    | Parts of Line<br>Required |
|-------------------------------|---------------------------|
| To 40,000 Lbs. (18144kg.)     | 1                         |
| Over 40,000 Lbs. (18144kg.)   | 2                         |
| Over 80,000 Lbs. (36288kg.)   | 3                         |
| Over 120,000 Lbs. (54432kg.)  | 4                         |
| Over 160,000 Lbs. (72576kg.)  | 5                         |
| Over 200,000 Lbs. (90720kg.)  | 6                         |
| Over 240,000 Lbs. (108864kg.) | 7                         |
| Over 280,000 Lbs. (127008kg.) | 8                         |
| Over 320,000 Lbs. (145152kg.) | 9                         |
| Over 360,000 Lbs. (163296kg.) | 10                        |
| Over 400,000 Lbs. (181440kg.) | 11                        |
| Over 440,000 Lbs. (199584kg.) | 12                        |
| Over 480,000 Lbs. (217728kg.) | 13                        |
| Over 520,000 Lbs. (235872kg.) | 14                        |
| Over 560,000 Lbs. (254016kg.) | 15                        |

Required 1-1/8" (29mm) Dia. Wire Rope having a minimum breaking strength of 143,000 lbs. (64865kg.).



## JIB DATA

| Jib Length    | Rating               | Offset           | Effective Weight      |
|---------------|----------------------|------------------|-----------------------|
| 40' (12.19M)  | 40 Tons (36.3 Tons)  | 13'-6" ( 4.11M)  | 4,600 Lbs. (2087kg.)  |
| 50' (15.24M)  | 31½ Tons (28.6 Tons) | 17'-4" ( 5.28M)  | 5,450 Lbs. (2472kg.)  |
| 60' (18.29M)  | 24 Tons (21.8 Tons)  | 20'-7" ( 6.27M)  | 6,350 Lbs. (2880kg.)  |
| 70' (21.34M)  | 20 Tons (18.1 Tons)  | 24'-7" ( 7.49M)  | 6,975 Lbs. (3164kg.)  |
| 80' (24.38M)  | 18 Tons (16.3 Tons)  | 26'-10" ( 8.18M) | 8,025 Lbs. (3640kg.)  |
| 90' (27.43M)  | 15½ Tons (14.1 Tons) | 31'-10" ( 9.70M) | 8,775 Lbs. (3980kg.)  |
| 100' (30.48M) | 13½ Tons (12.2 Tons) | 33'- 3" (10.13M) | 10,000 Lbs. (4536kg.) |

Jib capacities are approximately the same as Boom Capacities at any given radius, but not to exceed the rating listed. Effective jib weight to be subtracted from Boom capacity chart if load is raised on Boom point when Jib is assembled on Boom.





## CRANE LIFTING CAPACITIES

LITE DOT

| TUBULAR BOOM<br>300 TON CLASS 18-2450 |      |       |         |          |      |        |         |        |          | CRANE CAPACITY CHART<br>OVER SIDE AND OVER REAR<br>ON STANDARD OUTRIGGERS |        |         |        |          |                              |        |        |        |          |
|---------------------------------------|------|-------|---------|----------|------|--------|---------|--------|----------|---------------------------------------------------------------------------|--------|---------|--------|----------|------------------------------|--------|--------|--------|----------|
| Boom                                  |      |       |         | Capacity | Boom |        |         |        | Capacity | Boom                                                                      |        |         |        | Capacity | Boom                         |        |        |        | Capacity |
| L                                     | R    | A     | H       |          | L    | R      | A       | H      |          | L                                                                         | R      | A       | H      |          | L                            | R      | A      | H      |          |
| 70'                                   | 18'  | 81.0  | 77.5'   | *600,000 | 150' | 35'    | 79.2    | 155.6' | *299,800 | 210'                                                                      | 45'    | 79.6    | 214.8' | *201,600 | 260'                         | 60'    | 78.2   | 262.8' | 129,000  |
|                                       | 20'  | 79.4  | 77.1'   | *517,700 |      | 40'    | 77.3    | 154.5' | 244,200  |                                                                           | 50'    | 78.2    | 213.8' | 171,300  |                              | 70'    | 75.9   | 260.4' | 102,000  |
|                                       | 25'  | 75.1  | 75.8'   | *480,200 |      | 45'    | 75.3    | 153.2' | 202,200  |                                                                           | 60'    | 75.4    | 211.3' | 129,900  |                              | 80'    | 73.6   | 257.6' | 83,100   |
|                                       | 30'  | 70.8  | 74.1'   | *391,000 |      | 50'    | 73.3    | 151.8' | 171,900  |                                                                           | 70'    | 72.5    | 208.4' | 103,000  |                              | 90'    | 71.3   | 254.4' | 69,200   |
|                                       | 35'  | 66.4  | 71.9'   | 307,000  |      | 60'    | 69.3    | 148.2' | 131,000  |                                                                           | 80'    | 69.6    | 204.8' | 84,200   |                              | 100'   | 69.0   | 250.7' | 58,500   |
|                                       | 40'  | 61.7  | 69.3'   | 245,000  |      | 70'    | 65.1    | 143.8' | 104,800  |                                                                           | 90'    | 66.7    | 200.7' | 70,400   |                              | 110'   | 66.6   | 246.5' | 50,000   |
|                                       | 45'  | 56.9  | 66.1'   | 203,000  |      | 80'    | 60.8    | 138.5' | 86,200   |                                                                           | 100'   | 63.7    | 196.0' | 59,700   |                              | 120'   | 64.2   | 241.9' | 43,100   |
|                                       | 50'  | 51.7  | 62.3'   | 172,700  |      | 90'    | 56.3    | 132.2' | 72,500   |                                                                           | 110'   | 60.5    | 190.5' | 51,300   |                              | 130'   | 61.7   | 236.6' | 37,400   |
| 80'                                   | 55'  | 47.0  | 58.0'   | 151,000  | 160' | 100'   | 51.5    | 124.7' | 62,000   | Midpoint<br>Location<br>110'                                              | 120'   | 57.3    | 184.4' | 44,500   | Midpoint<br>Location<br>140' | 140'   | 59.1   | 230.9' | 32,700   |
|                                       | 60'  | 40.0  | 52.0'   | 131,800  |      | 110'   | 46.4    | 115.8' | 53,700   |                                                                           | 130'   | 54.0    | 177.4' | 38,900   |                              | 150'   | 56.5   | 224.5' | 28,600   |
|                                       | 70'  | 23.6  | 34.7'   | 105,600  |      | 120'   | 40.7    | 105.0' | 46,900   |                                                                           | 140'   | 50.5    | 169.5' | 34,100   |                              | 160'   | 53.8   | 217.4' | 25,100   |
|                                       | 25'  | 77.0  | 86.1'   | *480,100 |      | 130'   | 34.3    | 91.6'  | 41,400   |                                                                           | 150'   | 46.9    | 160.6' | 30,100   |                              | 170'   | 51.0   | 209.6' | 22,000   |
|                                       | 30'  | 73.3  | 84.7'   | *390,900 |      | 140'   | 26.6    | 74.0'  | 36,700   |                                                                           | 160'   | 43.0    | 150.4' | 26,600   |                              | 180'   | 48.1   | 201.0' | 19,300   |
|                                       | 35'  | 69.5  | 82.9'   | 306,900  |      | 150'   | 15.6    | 47.1'  | 32,600   |                                                                           | 170'   | 38.8    | 138.6' | 23,500   |                              | 190'   | 45.0   | 191.4' | 16,900   |
|                                       | 40'  | 65.6  | 80.6'   | 244,900  |      | 35'    | 79.9    | 165.8' | *287,200 |                                                                           | 180'   | 34.1    | 124.5' | 20,900   |                              | 200'   | 41.8   | 180.6' | 14,800   |
|                                       | 45'  | 61.5  | 78.0'   | 202,900  |      | 40'    | 78.1    | 164.8' | 244,100  | Midpoint<br>Sag<br>6"                                                     | 190'   | 28.8    | 108.1' | 18,500   | 210'                         | 38.4   | 168.6' | 12,800 |          |
| 50'                                   | 57.3 | 74.8' | 172,600 | 45'      | 76.3 | 163.6' | 202,100 | 200'   | 22.3     |                                                                           | 86.6'  | 16,400  | 220'   | 34.6     | 154.9'                       | 11,100 |        |        |          |
| 55'                                   | 48.1 | 66.8' | 131,700 | 50'      | 74.4 | 162.2' | 171,800 | 210'   | 13.1     |                                                                           | 54.3'  | 14,500  | 230'   | 30.5     | 139.0'                       | 9,300  |        |        |          |
| 60'                                   | 37.2 | 55.3' | 105,500 | 60'      | 70.6 | 158.9' | 130,900 | 50'    | 78.7     |                                                                           | 224.0' | 171,200 | 240'   | 25.7     | 119.9'                       | 7,300  |        |        |          |
| 70'                                   | 21.9 | 36.6' | 87,300  | 70'      | 66.8 | 154.9' | 104,700 | 60'    | 76.0     |                                                                           | 221.7' | 129,800 | 250'   | 20.0     | 95.7'                        | 5,700  |        |        |          |
| 80'                                   | 31.2 | 55.3' | 105,500 | 80'      | 62.8 | 150.0' | 86,100  | 70'    | 73.3     |                                                                           | 218.8' | 102,900 | 260'   | 11.7     | 39.4'                        | 4,600  |        |        |          |
| 90'                                   | 85'  | 27.9  | 50.0'   | 92,000   | 170' | 85'    | 27.9    | 50.0'  | 92,000   | Midpoint<br>Location<br>110'                                              | 80'    | 67.8    | 211.6' | 70,300   | Midpoint<br>Sag<br>10"       | 60'    | 78.8   | 273.0' | 128,900  |
|                                       | 90'  | 25.2  | 46.8'   | 82,000   |      | 90'    | 64.9    | 207.1' | 59,600   |                                                                           | 70'    | 76.5    | 270.7' | 101,900  |                              |        |        |        |          |
|                                       | 95'  | 22.5  | 42.9'   | 72,000   |      | 100'   | 62.0    | 202.0' | 51,200   |                                                                           | 80'    | 74.3    | 268.0' | 83,000   |                              |        |        |        |          |
|                                       | 100' | 19.8  | 39.0'   | 62,000   |      | 110'   | 59.0    | 196.2' | 44,400   |                                                                           | 90'    | 72.0    | 264.9' | 69,100   |                              |        |        |        |          |
|                                       | 105' | 17.1  | 35.1'   | 52,000   |      | 120'   | 55.9    | 189.7' | 38,800   |                                                                           | 100'   | 69.8    | 261.4' | 58,400   |                              |        |        |        |          |
|                                       | 110' | 14.4  | 31.2'   | 42,000   |      | 130'   | 52.7    | 182.4' | 34,000   |                                                                           | 110'   | 67.5    | 257.4' | 49,900   |                              |        |        |        |          |
|                                       | 115' | 11.7  | 27.3'   | 32,000   |      | 140'   | 49.3    | 174.1' | 30,000   |                                                                           | 120'   | 65.2    | 253.0' | 43,000   |                              |        |        |        |          |
|                                       | 120' | 9.0   | 23.4'   | 22,000   |      | 150'   | 45.7    | 164.8' | 26,500   | 130'                                                                      | 62.8   | 248.0'  | 37,300 |          |                              |        |        |        |          |
| 100'                                  | 125' | 6.3   | 19.5'   | 12,000   | 180' | 125'   | 6.3     | 19.5'  | 12,000   | Midpoint<br>Location<br>110'                                              | 140'   | 60.4    | 242.5' | 32,600   | Midpoint<br>Location<br>160' | 140'   | 60.4   | 242.5' | 32,600   |
|                                       | 130' | 3.6   | 12.6'   | 6,000    |      | 150'   | 41.9    | 154.2' | 23,400   |                                                                           | 150'   | 57.9    | 236.4' | 28,500   |                              |        |        |        |          |
|                                       | 135' | 0.9   | 5.7'    | 1,500    |      | 160'   | 37.8    | 142.0' | 20,800   |                                                                           | 160'   | 55.4    | 229.7' | 25,000   |                              |        |        |        |          |
|                                       | 140' | 0.0   | 0.0'    | 0        |      | 170'   | 33.3    | 127.7' | 18,400   |                                                                           | 170'   | 52.7    | 222.4' | 21,900   |                              |        |        |        |          |
|                                       | 145' | 0.0   | 0.0'    | 0        |      | 180'   | 28.1    | 110.5' | 16,300   |                                                                           | 180'   | 50.0    | 214.3' | 19,200   |                              |        |        |        |          |
|                                       | 150' | 0.0   | 0.0'    | 0        |      | 190'   | 21.8    | 88.5'  | 14,400   |                                                                           | 190'   | 47.1    | 205.3' | 16,800   |                              |        |        |        |          |
|                                       | 155' | 0.0   | 0.0'    | 0        |      | 200'   | 12.8    | 55.3'  | 12,700   |                                                                           | 200'   | 44.2    | 195.4' | 14,700   |                              |        |        |        |          |
|                                       | 160' | 0.0   | 0.0'    | 0        |      | 210'   | 5.1     | 13.1'  | 3,200    | 210'                                                                      | 41.0   | 184.4'  | 12,700 |          |                              |        |        |        |          |
| 110'                                  | 165' | 0.0   | 0.0'    | 0        | 190' | 165'   | 0.0     | 0.0'   | 0        | Midpoint<br>Location<br>110'                                              | 220'   | 37.6    | 172.0' | 11,000   | Midpoint<br>Sag<br>14"       | 220'   | 37.6   | 172.0' | 11,000   |
|                                       | 170' | 0.0   | 0.0'    | 0        |      | 230'   | 33.9    | 157.9' | 9,200    |                                                                           | 230'   | 33.9    | 157.9' | 9,200    |                              |        |        |        |          |
|                                       | 175' | 0.0   | 0.0'    | 0        |      | 240'   | 29.9    | 141.6' | 7,200    |                                                                           | 240'   | 29.9    | 141.6' | 7,200    |                              |        |        |        |          |
|                                       | 180' | 0.0   | 0.0'    | 0        |      | 250'   | 25.2    | 122.1' | 5,600    |                                                                           | 250'   | 25.2    | 122.1' | 5,600    |                              |        |        |        |          |
|                                       | 185' | 0.0   | 0.0'    | 0        |      | 260'   | 19.6    | 97.4'  | 4,500    |                                                                           | 260'   | 19.6    | 97.4'  | 4,500    |                              |        |        |        |          |
|                                       | 190' | 0.0   | 0.0'    | 0        |      | 270'   | 11.0    | 28.3'  | 2,800    |                                                                           | 270'   | 11.0    | 28.3'  | 2,800    |                              |        |        |        |          |
|                                       | 195' | 0.0   | 0.0'    | 0        |      | 280'   | 7.4     | 18.1'  | 1,700    |                                                                           | 280'   | 7.4     | 18.1'  | 1,700    |                              |        |        |        |          |
|                                       | 200' | 0.0   | 0.0'    | 0        |      | 290'   | 3.6     | 9.0'   | 900      | 290'                                                                      | 3.6    | 9.0'    | 900    |          |                              |        |        |        |          |
| 120'                                  | 205' | 0.0   | 0.0'    | 0        | 200' | 205'   | 0.0     | 0.0'   | 0        | Midpoint<br>Location<br>110'                                              | 300'   | 1.0     | 2.0'   | 100      | Midpoint<br>Location<br>160' | 300'   | 1.0    | 2.0'   | 100      |
|                                       | 210' | 0.0   | 0.0'    | 0        |      | 310'   | 0.0     | 0.0'   | 0        |                                                                           | 310'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 215' | 0.0   | 0.0'    | 0        |      | 320'   | 0.0     | 0.0'   | 0        |                                                                           | 320'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 220' | 0.0   | 0.0'    | 0        |      | 330'   | 0.0     | 0.0'   | 0        |                                                                           | 330'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 225' | 0.0   | 0.0'    | 0        |      | 340'   | 0.0     | 0.0'   | 0        |                                                                           | 340'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 230' | 0.0   | 0.0'    | 0        |      | 350'   | 0.0     | 0.0'   | 0        |                                                                           | 350'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 235' | 0.0   | 0.0'    | 0        |      | 360'   | 0.0     | 0.0'   | 0        |                                                                           | 360'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 240' | 0.0   | 0.0'    | 0        |      | 370'   | 0.0     | 0.0'   | 0        | 370'                                                                      | 0.0    | 0.0'    | 0      |          |                              |        |        |        |          |
| 130'                                  | 245' | 0.0   | 0.0'    | 0        | 210' | 245'   | 0.0     | 0.0'   | 0        | Midpoint<br>Location<br>110'                                              | 380'   | 0.0     | 0.0'   | 0        | Midpoint<br>Location<br>160' | 380'   | 0.0    | 0.0'   | 0        |
|                                       | 250' | 0.0   | 0.0'    | 0        |      | 390'   | 0.0     | 0.0'   | 0        |                                                                           | 390'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 255' | 0.0   | 0.0'    | 0        |      | 400'   | 0.0     | 0.0'   | 0        |                                                                           | 400'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 260' | 0.0   | 0.0'    | 0        |      | 410'   | 0.0     | 0.0'   | 0        |                                                                           | 410'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 265' | 0.0   | 0.0'    | 0        |      | 420'   | 0.0     | 0.0'   | 0        |                                                                           | 420'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 270' | 0.0   | 0.0'    | 0        |      | 430'   | 0.0     | 0.0'   | 0        |                                                                           | 430'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 275' | 0.0   | 0.0'    | 0        |      | 440'   | 0.0     | 0.0'   | 0        |                                                                           | 440'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 280' | 0.0   | 0.0'    | 0        |      | 450'   | 0.0     | 0.0'   | 0        | 450'                                                                      | 0.0    | 0.0'    | 0      |          |                              |        |        |        |          |
| 140'                                  | 285' | 0.0   | 0.0'    | 0        | 220' | 285'   | 0.0     | 0.0'   | 0        | Midpoint<br>Location<br>110'                                              | 460'   | 0.0     | 0.0'   | 0        | Midpoint<br>Location<br>160' | 460'   | 0.0    | 0.0'   | 0        |
|                                       | 290' | 0.0   | 0.0'    | 0        |      | 470'   | 0.0     | 0.0'   | 0        |                                                                           | 470'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 295' | 0.0   | 0.0'    | 0        |      | 480'   | 0.0     | 0.0'   | 0        |                                                                           | 480'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 300' | 0.0   | 0.0'    | 0        |      | 490'   | 0.0     | 0.0'   | 0        |                                                                           | 490'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 305' | 0.0   | 0.0'    | 0        |      | 500'   | 0.0     | 0.0'   | 0        |                                                                           | 500'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 310' | 0.0   | 0.0'    | 0        |      | 510'   | 0.0     | 0.0'   | 0        |                                                                           | 510'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 315' | 0.0   | 0.0'    | 0        |      | 520'   | 0.0     | 0.0'   | 0        |                                                                           | 520'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 320' | 0.0   | 0.0'    | 0        |      | 530'   | 0.0     | 0.0'   | 0        | 530'                                                                      | 0.0    | 0.0'    | 0      |          |                              |        |        |        |          |
| 150'                                  | 325' | 0.0   | 0.0'    | 0        | 230' | 325'   | 0.0     | 0.0'   | 0        | Midpoint<br>Location<br>110'                                              | 540'   | 0.0     | 0.0'   | 0        | Midpoint<br>Location<br>160' | 540'   | 0.0    | 0.0'   | 0        |
|                                       | 330' | 0.0   | 0.0'    | 0        |      | 550'   | 0.0     | 0.0'   | 0        |                                                                           | 550'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 335' | 0.0   | 0.0'    | 0        |      | 560'   | 0.0     | 0.0'   | 0        |                                                                           | 560'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 340' | 0.0   | 0.0'    | 0        |      | 570'   | 0.0     | 0.0'   | 0        |                                                                           | 570'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 345' | 0.0   | 0.0'    | 0        |      | 580'   | 0.0     | 0.0'   | 0        |                                                                           | 580'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 350' | 0.0   | 0.0'    | 0        |      | 590'   | 0.0     | 0.0'   | 0        |                                                                           | 590'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 355' | 0.0   | 0.0'    | 0        |      | 600'   | 0.0     | 0.0'   | 0        |                                                                           | 600'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 360' | 0.0   | 0.0'    | 0        |      | 610'   | 0.0     | 0.0'   | 0        | 610'                                                                      | 0.0    | 0.0'    | 0      |          |                              |        |        |        |          |
| 160'                                  | 365' | 0.0   | 0.0'    | 0        | 240' | 365'   | 0.0     | 0.0'   | 0        | Midpoint<br>Location<br>110'                                              | 620'   | 0.0     | 0.0'   | 0        | Midpoint<br>Location<br>160' | 620'   | 0.0    | 0.0'   | 0        |
|                                       | 370' | 0.0   | 0.0'    | 0        |      | 630'   | 0.0     | 0.0'   | 0        |                                                                           | 630'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 375' | 0.0   | 0.0'    | 0        |      | 640'   | 0.0     | 0.0'   | 0        |                                                                           | 640'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 380' | 0.0   | 0.0'    | 0        |      | 650'   | 0.0     | 0.0'   | 0        |                                                                           | 650'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 385' | 0.0   | 0.0'    | 0        |      | 660'   | 0.0     | 0.0'   | 0        |                                                                           | 660'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 390' | 0.0   | 0.0'    | 0        |      | 670'   | 0.0     | 0.0'   | 0        |                                                                           | 670'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 395' | 0.0   | 0.0'    | 0        |      | 680'   | 0.0     | 0.0'   | 0        |                                                                           | 680'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 400' | 0.0   | 0.0'    | 0        |      | 690'   | 0.0     | 0.0'   | 0        | 690'                                                                      | 0.0    | 0.0'    | 0      |          |                              |        |        |        |          |
| 170'                                  | 405' | 0.0   | 0.0'    | 0        | 250' | 405'   | 0.0     | 0.0'   | 0        | Midpoint<br>Location<br>110'                                              | 700'   | 0.0     | 0.0'   | 0        | Midpoint<br>Location<br>160' | 700'   | 0.0    | 0.0'   | 0        |
|                                       | 410' | 0.0   | 0.0'    | 0        |      | 710'   | 0.0     | 0.0'   | 0        |                                                                           | 710'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 415' | 0.0   | 0.0'    | 0        |      | 720'   | 0.0     | 0.0'   | 0        |                                                                           | 720'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 420' | 0.0   | 0.0'    | 0        |      | 730'   | 0.0     | 0.0'   | 0        |                                                                           | 730'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 425' | 0.0   | 0.0'    | 0        |      | 740'   | 0.0     | 0.0'   | 0        |                                                                           | 740'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 430' | 0.0   | 0.0'    | 0        |      | 750'   | 0.0     | 0.0'   | 0        |                                                                           | 750'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 435' | 0.0   | 0.0'    | 0        |      | 760'   | 0.0     | 0.0'   | 0        |                                                                           | 760'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 440' | 0.0   | 0.0'    | 0        |      | 770'   | 0.0     | 0.0'   | 0        | 770'                                                                      | 0.0    | 0.0'    | 0      |          |                              |        |        |        |          |
| 180'                                  | 445' | 0.0   | 0.0'    | 0        | 260' | 445'   | 0.0     | 0.0'   | 0        | Midpoint<br>Location<br>110'                                              | 780'   | 0.0     | 0.0'   | 0        | Midpoint<br>Location<br>160' | 780'   | 0.0    | 0.0'   | 0        |
|                                       | 450' | 0.0   | 0.0'    | 0        |      | 790'   | 0.0     | 0.0'   | 0        |                                                                           | 790'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 455' | 0.0   | 0.0'    | 0        |      | 800'   | 0.0     | 0.0'   | 0        |                                                                           | 800'   | 0.0     | 0.0'   | 0        |                              |        |        |        |          |
|                                       | 460' | 0.0   |         |          |      |        |         |        |          |                                                                           |        |         |        |          |                              |        |        |        |          |

MAXIMUM MAIN COUNTERWEIGHT — 85,000 LBS.  
MAXIMUM BUMPER COUNTERWEIGHT — 21,600 LBS.

| Boom     |          |        |          | Capacity  | Capacities Below Apply To Jibs — See Jib Data |        |          |               |              |          |               |              |              |               |              |          |          |          |          |          |
|----------|----------|--------|----------|-----------|-----------------------------------------------|--------|----------|---------------|--------------|----------|---------------|--------------|--------------|---------------|--------------|----------|----------|----------|----------|----------|
| L        | R        | A      | H        |           | Boom Plus Jib                                 |        |          | Boom Plus Jib |              |          | Boom Plus Jib |              |              | Boom Plus Jib |              |          |          |          |          |          |
|          |          |        |          |           | Length                                        | Radius | Capacity | Length        | Radius       | Capacity | Length        | Radius       | Capacity     | Length        | Radius       | Capacity |          |          |          |          |
| 300'     | 60'      | 79.8   | 303.6'   | * 124,800 | 140'                                          | 80'    | * 80,000 | 360'          | 90'          | 72,200   | 380'          | 90'          | * 63,000     | 400'          | 110'         | * 31,000 |          |          |          |          |
|          | 70'      | 77.8   | 301.5'   | 101,600   |                                               | 90'    | 72,800   |               | 100'         | 60,800   |               | 100'         | 62,100       |               | 120'         | * 31,000 |          |          |          |          |
|          | 80'      | 75.9   | 299.1'   | 82,700    |                                               | 100'   | 61,400   |               | 110'         | 51,800   |               | 110'         | 52,900       |               | 130'         | * 31,000 |          |          |          |          |
|          | 90'      | 73.9   | 296.4'   | 68,800    |                                               | 110'   | 52,400   |               | 120'         | 44,500   |               | 120'         | 45,400       |               | 140'         | * 31,000 |          |          |          |          |
|          | 100'     | 71.9   | 293.2'   | 58,100    |                                               | 120'   | 45,100   |               | (320' + 40') | 130'     | 38,400        | (330' + 50') | 130'         | 39,200        | 150'         | * 31,000 |          |          |          |          |
|          | 110'     | 69.9   | 289.7'   | 49,600    |                                               | 130'   | 39,100   |               | 140'         | 33,300   | 140'          | 34,000       | 160'         | 29,300        |              |          |          |          |          |          |
|          | 120'     | 67.8   | 285.7'   | 42,700    |                                               | 140'   | 34,000   |               | 150'         | 28,900   | 150'          | 29,500       | 170'         | 25,800        |              |          |          |          |          |          |
|          | 130'     | 65.7   | 281.4'   | 37,000    |                                               | 150'   | 29,700   |               | Midpoint     | 160'     | 25,700        | Midpoint     | 160'         | 25,700        | 180'         | 22,700   |          |          |          |          |
|          | 140'     | 63.6   | 276.6'   | 32,300    |                                               | 160'   | 25,900   |               | Location     | 170'     | 21,900        | Location     | 170'         | 22,300        | 190'         | 20,000   |          |          |          |          |
|          | Midpoint | 160'   | 59.2     | 265.5'    | 24,700                                        | 170'   | 22,600   |               | 160'         | 19,000   | 160'          | 19,400       | 200'         | 17,600        |              |          |          |          |          |          |
|          | 170'     | 57.0   | 259.2'   | 21,600    | 180'                                          | 19,800 | 190'     |               | 16,500       | 190'     | 16,800        | 210'         | 15,400       |               |              |          |          |          |          |          |
|          | 180'     | 54.7   | 252.3'   | 18,900    | 190'                                          | 17,200 | Midpoint |               | 200'         | 14,200   | Midpoint      | 200'         | 14,500       | 220'          | 13,400       |          |          |          |          |          |
|          | Midpoint | 190'   | 52.3     | 244.8'    | 16,500                                        | 200'   | 15,000   |               | Sag          | 210'     | 12,100        | Sag          | 210'         | 12,400        | 230'         | 11,600   |          |          |          |          |
|          | 200'     | 49.8   | 236.6'   | 14,400    | 210'                                          | 12,900 | 17"      |               | 220'         | 10,300   | 17"           | 220'         | 10,500       | 240'          | 10,000       |          |          |          |          |          |
| 210'     | 47.2     | 227.7' | 12,400   | 220'      | 11,100                                        | 230'   | 8,400    | 230'          | 8,600        | 250'     | 8,400         | 260'         | 6,900        |               |              |          |          |          |          |          |
| 220'     | 44.6     | 217.9' | * 10,700 | 230'      | 9,300                                         | 240'   | 6,700    | 240'          | 6,800        |          |               |              |              |               |              |          |          |          |          |          |
| 230'     | 41.8     | 207.1' | * 8,900  | 240'      | 7,600                                         | 250'   | 5,100    | 250'          | 5,200        |          |               |              |              |               |              |          |          |          |          |          |
| 240'     | 38.8     | 195.2' | * 6,900  | 250'      | 6,100                                         |        |          |               |              |          |               |              |              |               |              |          |          |          |          |          |
| 250'     | 35.6     | 181.8' | * 5,300  | 260'      | 4,600                                         |        |          |               |              |          |               |              |              |               |              |          |          |          |          |          |
| 260'     | 32.1     | 166.7' | * 4,200  |           |                                               |        |          |               |              |          |               |              |              |               |              |          |          |          |          |          |
| 310'     | 70'      | 78.2   | 311.8'   | 101,500   | 350'                                          | 80'    | * 80,000 | 370'          | 90'          | 72,100   | 390'          | 90'          | * 40,000     | 410'          | 110'         | * 27,000 |          |          |          |          |
|          | 80'      | 76.3   | 309.5'   | 82,600    |                                               | 100'   | 61,300   |               | 110'         | 51,700   |               | 110'         | * 40,000     |               | 120'         | * 27,000 |          |          |          |          |
|          | 90'      | 74.4   | 306.8'   | 68,700    |                                               | 110'   | 52,300   |               | 120'         | 44,300   |               | 120'         | * 40,000     |               | 130'         | * 27,000 |          |          |          |          |
|          | 100'     | 72.5   | 303.7'   | 58,000    |                                               | 120'   | 45,000   |               | (330' + 40') | 130'     |               | 38,200       | (320' + 70') |               | 140'         | 35,900   | 140'     | * 27,000 |          |          |
|          | 110'     | 70.5   | 300.3'   | 49,500    |                                               | 130'   | 39,000   |               | 140'         | 33,100   |               | 150'         | 31,300       |               | 150'         | * 27,000 |          |          |          |          |
|          | 120'     | 68.6   | 296.5'   | 42,600    |                                               | 140'   | 33,900   |               | 150'         | 28,800   |               | 160'         | 27,400       |               | 160'         | * 27,000 |          |          |          |          |
|          | 130'     | 66.6   | 292.3'   | 36,900    |                                               | 150'   | 29,500   |               | Midpoint     | 160'     |               | 25,000       | Midpoint     |               | 160'         | 24,000   | 170'     | 26,100   |          |          |
|          | 140'     | 64.5   | 287.7'   | 32,200    |                                               | 160'   | 25,800   |               | Location     | 170'     | 21,700        | Location     | 170'         | 21,000        | 180'         | 22,600   |          |          |          |          |
|          | 150'     | 62.4   | 282.7'   | 28,100    |                                               | 170'   | 22,500   |               | 180'         | 18,800   | 180'          | 18,300       | 190'         | 18,300        | 190'         | 20,300   |          |          |          |          |
|          | Midpoint | 160'   | 60.3     | 277.1'    |                                               | 24,600 | 180'     |               | 19,700       | 190'     | 16,200        | 200'         | 15,900       | 200'          | 17,800       |          |          |          |          |          |
|          | Location | 160'   | 58.2     | 271.1'    |                                               | 21,500 | 190'     |               | 17,100       | Midpoint | 200'          | 13,900       | Midpoint     | 200'          | 15,900       | 210'     | 15,600   |          |          |          |
|          | 170'     | 56.0   | 264.5'   | 18,800    |                                               | 200'   | 14,800   |               | 210'         | 11,900   | Midpoint      | 210'         | 13,800       | 210'          | 13,600       |          |          |          |          |          |
|          | Midpoint | 180'   | 53.7     | 257.4'    |                                               | 16,400 | 210'     |               | 12,800       | 220'     | 10,000        | Midpoint     | 220'         | 11,800        | 220'         | 11,800   |          |          |          |          |
|          | Sag      | 190'   | 51.4     | 249.7'    |                                               | 14,300 | 220'     |               | 11,000       | 230'     | 8,100         | Sag          | 220'         | 11,800        | 230'         | 11,800   |          |          |          |          |
|          | 17"      | 200'   | 48.9     | 241.2'    |                                               | 12,300 | 230'     |               | 9,200        | 240'     | 6,400         | Sag          | 230'         | 10,100        | 240'         | 10,200   |          |          |          |          |
|          | 210'     | 46.4   | 232.0'   | * 10,600  | 240'                                          | 7,500  | 250'     |               | 5,900        | 240'     | 8,300         | 250'         | 8,300        | 250'          | 8,600        |          |          |          |          |          |
|          | 220'     | 43.8   | 221.9'   | * 8,800   | 250'                                          | 5,900  | 260'     |               | 4,400        | 250'     | 6,700         | 260'         | 6,700        | 260'          | 7,100        |          |          |          |          |          |
|          | 230'     | 41.0   | 210.8'   | * 6,800   | 260'                                          | 4,400  |          |               |              | 260'     | 5,200         | 260'         | 5,200        | 270'          | 5,600        |          |          |          |          |          |
|          | 240'     | 38.1   | 198.6'   | * 5,200   |                                               |        |          |               |              |          |               |              |              | 270'          | 5,600        |          |          |          |          |          |
|          | 250'     | 35.0   | 185.0'   | * 4,100   |                                               |        |          |               |              |          |               |              |              | 280'          | 4,300        |          |          |          |          |          |
|          | 260'     | 32.1   | 166.7'   | * 4,200   |                                               |        |          |               |              |          |               |              |              |               |              |          |          |          |          |          |
|          | 320'     | 70'    | 78.6     | 322.0'    | * 100,000                                     | 350'   | 80'      |               | * 80,000     | 370'     | 90'           | 72,100       | 390'         | 90'           | * 40,000     | 410'     | 110'     | * 27,000 |          |          |
| 80'      |          | 76.8   | 319.8'   | 82,500    | 100'                                          |        | 61,300   |               | 110'         |          | 51,700        | 110'         |              | * 40,000      | 120'         |          | * 27,000 |          |          |          |
| 90'      |          | 74.9   | 317.2'   | 68,600    | 110'                                          |        | 52,300   |               | 120'         |          | 44,300        | 120'         |              | * 40,000      | 130'         |          | * 27,000 |          |          |          |
| 100'     |          | 73.1   | 314.2'   | 57,900    | 120'                                          |        | 45,000   |               | (330' + 40') |          | 130'          | 38,200       |              | (320' + 70')  | 140'         |          | 35,900   | 140'     | * 27,000 |          |
| 110'     |          | 71.2   | 310.9'   | 49,400    | 130'                                          |        | 39,000   |               | 140'         |          | 33,100        | 150'         |              | 31,300        | 150'         |          | * 27,000 |          |          |          |
| 120'     |          | 69.3   | 307.3'   | 42,500    | 140'                                          |        | 33,900   |               | 150'         |          | 28,800        | 160'         |              | 27,400        | 160'         |          | * 27,000 |          |          |          |
| 130'     |          | 67.3   | 303.2'   | 36,800    | 150'                                          |        | 29,500   |               | Midpoint     |          | 160'          | 25,000       |              | Midpoint      | 160'         |          | 24,000   | 170'     | 26,100   |          |
| 140'     |          | 65.4   | 298.8'   | 32,000    | 160'                                          |        | 25,800   |               | Location     |          | 170'          | 21,700       | Location     | 170'          | 21,000       | 180'     | 22,600   |          |          |          |
| Midpoint |          | 150'   | 63.4     | 293.9'    | 27,900                                        |        | 170'     |               | 22,500       |          | 180'          | 18,800       | 180'         | 18,300        | 190'         | 18,300   | 190'     | 20,300   |          |          |
| Location |          | 160'   | 61.3     | 288.6'    | 24,400                                        |        | 180'     |               | 19,700       |          | 190'          | 16,200       | 200'         | 15,900        | 200'         | 17,800   | 210'     | 15,600   |          |          |
| 160'     |          | 59.3   | 282.8'   | 21,300    | 190'                                          |        | 17,100   |               | Midpoint     |          | 200'          | 13,900       | Midpoint     | 200'          | 15,900       | 210'     | 15,600   |          |          |          |
| Midpoint |          | 170'   | 57.2     | 276.6'    | 18,500                                        |        | 200'     |               | 14,800       |          | 210'          | 11,900       | Midpoint     | 210'          | 13,800       | 210'     | 13,600   |          |          |          |
| Sag      |          | 180'   | 55.0     | 269.8'    | 16,100                                        |        | 210'     |               | 12,800       |          | 220'          | 10,000       | Midpoint     | 220'          | 11,800       | 220'     | 11,800   |          |          |          |
| 17"      |          | 190'   | 52.8     | 262.4'    | 14,000                                        |        | 220'     |               | 11,000       |          | 230'          | 8,100        | Sag          | 220'          | 11,800       | 230'     | 11,800   |          |          |          |
| 210'     | 50.5     | 254.4' | 12,100   | 230'      | 9,200                                         |        | 240'     |               | 6,400        |          | Sag           | 230'         | 10,100       | 240'          | 10,200       |          |          |          |          |          |
| 220'     | 48.1     | 245.7' | 10,300   | 240'      | 7,500                                         |        | 250'     |               | 5,900        |          | 240'          | 8,300        | 250'         | 8,300         | 250'         | 8,600    |          |          |          |          |
| 230'     | 45.6     | 236.2' | 8,500    | 250'      | 5,900                                         |        | 260'     |               | 4,400        |          | 250'          | 6,700        | 260'         | 6,700         | 260'         | 7,100    |          |          |          |          |
| 240'     | 43.1     | 225.9' | * 6,700  | 260'      | 4,400                                         |        |          |               |              |          | 260'          | 5,200        | 260'         | 5,200         | 270'         | 5,600    |          |          |          |          |
| 250'     | 40.4     | 214.5' | * 5,100  |           |                                               |        |          |               |              |          |               |              |              |               | 270'         | 5,600    |          |          |          |          |
| 260'     | 37.5     | 202.0' | * 4,000  |           |                                               |        |          |               |              |          |               |              |              |               | 280'         | 4,300    |          |          |          |          |
| 330'     | 70'      | 78.9   | 332.2'   | * 97,000  | 350'                                          |        | 80'      |               | * 80,000     |          | 370'          | 90'          | 72,100       | 390'          | 90'          | * 40,000 | 410'     | 110'     | * 27,000 |          |
|          | 80'      | 77.2   | 330.0'   | * 82,400  |                                               |        | 100'     |               | 61,300       |          |               | 110'         | 51,700       |               | 110'         | * 40,000 |          | 120'     | * 27,000 |          |
|          | 90'      | 75.4   | 327.5'   | 68,300    |                                               | 110'   | 52,300   |               | 120'         |          |               | 44,300       | 120'         |               | * 40,000     | 130'     |          | * 27,000 |          |          |
|          | 100'     | 73.6   | 324.7'   | 57,600    |                                               | 120'   | 45,000   |               | (330' + 40') |          |               | 130'         | 38,200       |               | (320' + 70') | 140'     |          | 35,900   | 140'     | * 27,000 |
|          | 110'     | 71.8   | 321.5'   | 49,100    |                                               | 130'   | 39,000   |               | 140'         |          |               | 33,100       | 150'         |               | 31,300       | 150'     |          | * 27,000 |          |          |
|          | 120'     | 69.9   | 318.0'   | 42,100    |                                               | 140'   | 33,900   |               | 150'         |          |               | 28,800       | 160'         |               | 27,400       | 160'     |          | * 27,000 |          |          |
|          | 130'     | 68.1   | 314.1'   | 36,400    |                                               | 150'   | 29,500   |               | Midpoint     |          |               | 160'         | 25,000       |               | Midpoint     | 160'     |          | 24,000   | 170'     | 26,100   |
|          | Midpoint | 140'   | 66.2     | 309.8'    |                                               | 31,600 | 160'     |               | 25,800       |          |               | Location     | 170'         | 21,700        | Location     | 170'     | 21,000   | 180'     | 22,600   |          |
|          | Location | 150'   | 64.2     | 305.1'    |                                               | 27,500 | 170'     |               | 22,500       |          |               | 180'         | 18,800       | 180'          | 18,300       | 190'     | 18,300   | 190'     | 20,300   |          |
|          | 160'     | 62.3   | 300.0'   | 24,000    |                                               | 180'   | 19,700   |               | 190'         |          |               | 16,200       | 200'         | 15,900        | 200'         | 17,800   | 210'     | 15,600   |          |          |
|          | 170'     | 60.3   | 294.5'   | 20,900    |                                               | 190'   | 17,100   |               | Midpoint     |          |               | 200'         | 13,900       | Midpoint      | 200'         | 15,900   | 210'     | 15,600   |          |          |
|          | Midpoint | 180'   | 58.3     | 288.4'    |                                               | 18,200 | 200'     |               | 14,800       |          |               | 210'         | 11,900       | Midpoint      | 210'         | 13,800   | 210'     | 13,600   |          |          |
|          | Sag      | 190'   | 56.2     | 281.9'    |                                               | 15,800 | 210'     |               | 12,800       |          |               | 220'         | 10,000       | Midpoint      | 220'         | 11,800   | 220'     | 11,800   |          |          |
|          | 17"      | 200'   | 54.1     | 274.9'    |                                               | 13,600 | 220'     |               | 11,000       |          |               | 230'         | 8,100        | Sag           | 220'         | 11,800   | 230'     | 11,800   |          |          |
| 210'     | 51.9     | 267.3' | 11,700   | 230'      |                                               | 9,200  | 240'     |               | 6,400        |          |               | Sag          | 230'         | 10,100        | 240'         | 10,200   |          |          |          |          |
| 220'     | 49.7     | 259.0' | 9,900    | 240'      |                                               | 7,500  | 250'     |               | 5,900        |          |               | 240'         | 8,300        | 250'          | 8,300        | 250'     | 8,600    |          |          |          |
| 230'     | 47.3     | 250.1' | 8,100    | 250'      |                                               | 5,900  | 260'     |               | 4,400        |          |               | 250'         | 6,700        | 260'          | 6,700        | 260'     | 7,100    |          |          |          |
| 240'     | 44.9     | 240.3' | 6,500    | 260'      |                                               | 4,400  |          |               |              |          |               | 260'         | 5,200        | 260'          | 5,200        | 270'     | 5,600    |          |          |          |
| 250'     | 42.4     | 229.7' | * 5,000  |           |                                               |        |          |               |              |          |               |              |              |               |              | 270'     | 5,600    |          |          |          |
| 260'     | 39.7     | 218.1' | * 3,600  |           |                                               |        |          |               |              |          |               |              |              |               | 280'         | 4,300    |          |          |          |          |

THIS CHART IS BASED UPON:

- Capacities marked by \* are based upon structural limitations of the machine; all others do not exceed 85% of tipping in the least stable direction.
- When the machine is equipped with standard outriggers and front auxiliary outriggers, full 360° operation of the crane is permitted. However, when operating the crane in the front sector, the load radius shall not be less than 35'. (Refer to diagram below.)
- Machine to be leveled on a firm solid support; shock and side loads are to be prevented.
- When lifting a load, the outriggers must be fully extended horizontally, the outrigger floats down, and all tires free of the ground.
- All hook blocks, lifting tackle and jib attachments are considered a part of the load to be lifted.
- Exceeding these loads or altering the counterweight nullifies all warranties.
- Gantry must be in fully raised position when handling booms or boom plus jib combinations.
- When the machine is equipped with standard outriggers, over the side is the least stable direction.
- Load ratings shown on this chart make no allowance for such factors as the effect of side loads, wind, ground conditions, and operating speeds. The operator therefore shall reduce loads in order to take these factors into account.

SECTOR DIAGRAM  
MODEL 7700

Capacities Per S.A.E. Code J-765  
Class Designation Per U.S. Dept. of Commerce Standards.

L = Boom Length.  
R = Load Radius From Centerline of Rotation.  
H = Height of Boom Point Shaft Above Ground  
A = Boom Angle Above Horizontal.





| TUBULAR BOOM<br>272 MERCIC TON CLASS 5.5 — 1284 |      |      |      |  |          |       |      |      |      | CRANE CAPACITY CHART<br>OVER SIDE AND OVER REAR<br>ON STANDARD OUTRIGGERS |                         |      |      |      |   |         |                         |      |      |      |  |        |                         |      |      |      |  |        |                         |      |      |      |  |        |
|-------------------------------------------------|------|------|------|--|----------|-------|------|------|------|---------------------------------------------------------------------------|-------------------------|------|------|------|---|---------|-------------------------|------|------|------|--|--------|-------------------------|------|------|------|--|--------|-------------------------|------|------|------|--|--------|
| BOOM                                            |      |      |      |  | CAPACITY | BOOM  |      |      |      |                                                                           | CAPACITY                | BOOM |      |      |   |         | CAPACITY                | BOOM |      |      |  |        | CAPACITY                |      |      |      |  |        |                         |      |      |      |  |        |
| L                                               | R    | A    | H    |  |          | L     | R    | A    | H    | L                                                                         |                         | R    | A    | H    | L | R       |                         | A    | H    |      |  |        |                         |      |      |      |  |        |                         |      |      |      |  |        |
| 21.3M                                           | 5.5  | 81.0 | 23.5 |  | *272,100 | 45.7M | 10.7 | 79.2 | 47.4 | *135,900                                                                  | 64.0M                   | 13.7 | 79.6 | 65.4 |   | *91,400 | 79.2M                   | 18.3 | 78.2 | 80.0 |  | 58,500 | 82.3M                   | 18.3 | 78.6 | 83.1 |  | 58,400 |                         |      |      |      |  |        |
|                                                 | 6    | 79.6 | 23.4 |  | *238,900 |       | 12   | 77.5 | 47.1 | 113,500                                                                   |                         | 15   | 78.4 | 65.1 |   | 79,600  |                         | 20   | 76.9 | 79.6 |  | 51,100 |                         | 20   | 77.4 | 82.8 |  | 51,000 |                         |      |      |      |  |        |
|                                                 | 8    | 74.1 | 22.9 |  | *208,900 |       | 14   | 74.9 | 46.6 | 88,800                                                                    |                         | 18   | 75.6 | 64.4 |   | 60,300  |                         | 23   | 74.7 | 78.9 |  | 41,200 |                         | 23   | 75.3 | 82.0 |  | 41,100 |                         |      |      |      |  |        |
|                                                 | 9    | 71.2 | 22.6 |  | *181,400 |       | 17   | 71.0 | 45.6 | 66,000                                                                    |                         | 21   | 72.8 | 63.5 |   | 47,800  |                         | 26   | 72.4 | 77.9 |  | 34,100 |                         | 26   | 73.7 | 84.3 |  | 34,000 |                         |      |      |      |  |        |
|                                                 | 11   | 65.4 | 21.7 |  | 132,300  |       | 20   | 66.9 | 44.4 | 52,100                                                                    |                         | 24   | 70.0 | 62.5 |   | 39,100  |                         | 29   | 70.1 | 76.9 |  | 28,700 |                         | 29   | 71.6 | 83.4 |  | 28,600 |                         |      |      |      |  |        |
|                                                 | 13   | 59.2 | 20.6 |  | 100,100  |       | 23   | 62.8 | 42.9 | 42,500                                                                    |                         | 27   | 67.1 | 61.3 |   | 32,700  |                         | 32   | 67.8 | 75.7 |  | 24,500 |                         | 32   | 69.5 | 82.3 |  | 24,400 |                         |      |      |      |  |        |
|                                                 | 15   | 52.6 | 19.1 |  | 80,200   |       | 26   | 58.4 | 41.2 | 35,500                                                                    |                         | 30   | 64.1 | 59.9 |   | 27,700  |                         | 35   | 65.4 | 74.4 |  | 21,000 |                         | 35   | 66.5 | 81.1 |  | 21,000 |                         |      |      |      |  |        |
|                                                 | 18   | 41.2 | 16.1 |  | 61,100   |       | 29   | 53.8 | 39.1 | 30,200                                                                    |                         | 33   | 61.1 | 58.3 |   | 23,800  |                         | 38   | 63.0 | 72.9 |  | 18,200 |                         | 38   | 64.1 | 74.8 |  | 18,200 |                         |      |      |      |  |        |
| 24.4M                                           | 21   | 25.9 | 11.3 |  | 49,000   | 48.8M | 32   | 49.0 | 36.7 | 26,100                                                                    | Midpoint Location 33.5M | 36   | 58.0 | 56.5 |   | 20,700  | Midpoint Location 42.7M | 41   | 60.5 | 71.3 |  | 15,900 | Midpoint Sag 25.4cm     | 41   | 51.2 | 54.5 |  | 14,500 | Midpoint Sag 35.6cm     | 41   | 51.2 | 54.5 |  | 14,500 |
|                                                 | 21.3 | 23.6 | 10.5 |  | 47,900   |       | 35   | 43.7 | 33.7 | 22,700                                                                    |                         | 39   | 54.7 | 54.5 |   | 18,100  |                         | 44   | 58.0 | 69.5 |  | 13,900 |                         | 44   | 58.0 | 69.5 |  | 13,900 |                         |      |      |      |  |        |
|                                                 | 7.6  | 77.0 | 26.2 |  | *217,700 |       | 38   | 37.9 | 30.1 | 20,000                                                                    |                         | 42   | 51.3 | 52.2 |   | 15,900  |                         | 47   | 55.4 | 67.5 |  | 12,200 |                         | 47   | 55.4 | 67.5 |  | 12,200 |                         |      |      |      |  |        |
|                                                 | 9    | 73.7 | 25.8 |  | *181,100 |       | 41   | 31.1 | 25.6 | 17,700                                                                    |                         | 45   | 47.8 | 49.5 |   | 14,000  |                         | 50   | 52.7 | 65.3 |  | 10,700 |                         | 50   | 52.7 | 65.3 |  | 10,700 |                         |      |      |      |  |        |
|                                                 | 11   | 68.6 | 25.0 |  | 132,200  |       | 44   | 22.5 | 19.5 | 15,800                                                                    |                         | 48   | 44.0 | 46.6 |   | 12,400  |                         | 53   | 49.9 | 62.8 |  | 9,400  |                         | 53   | 49.9 | 62.8 |  | 9,400  |                         |      |      |      |  |        |
|                                                 | 13   | 63.4 | 24.1 |  | 100,000  |       | 45.7 | 15.6 | 14.3 | 14,700                                                                    |                         | 51   | 39.9 | 43.2 |   | 11,000  |                         | 56   | 47.0 | 60.1 |  | 8,300  |                         | 56   | 47.0 | 60.1 |  | 8,300  |                         |      |      |      |  |        |
|                                                 | 15   | 58.0 | 22.9 |  | 80,100   |       | 10.7 | 79.9 | 50.5 | *130,200                                                                  |                         | 54   | 35.5 | 39.2 |   | 9,700   |                         | 59   | 43.9 | 57.1 |  | 7,300  |                         | 59   | 43.9 | 57.1 |  | 7,300  |                         |      |      |      |  |        |
|                                                 | 18   | 49.0 | 20.6 |  | 61,100   |       | 12   | 78.3 | 50.2 | 113,200                                                                   |                         | 57   | 30.5 | 34.5 |   | 8,700   |                         | 62   | 40.7 | 53.8 |  | 6,300  |                         | 62   | 40.7 | 53.8 |  | 6,300  |                         |      |      |      |  |        |
| 27.4M                                           | 21   | 38.5 | 17.3 |  | 48,900   | 51.8M | 14   | 75.9 | 49.7 | 88,700                                                                    | Midpoint Location 33.5M | 60   | 24.5 | 28.6 |   | 7,700   | Midpoint Sag 25.4cm     | 63   | 16.7 | 20.4 |  | 6,800  | Midpoint Sag 35.6cm     | 63   | 16.7 | 20.4 |  | 6,800  | Midpoint Sag 35.6cm     | 63   | 16.7 | 20.4 |  | 6,800  |
|                                                 | 24   | 24.4 | 12.0 |  | 40,500   |       | 17   | 72.2 | 48.8 | 66,000                                                                    |                         | 64   | 13.1 | 16.5 |   | 6,500   |                         | 64   | 13.1 | 16.5 |  | 6,500  |                         | 64   | 13.1 | 16.5 |  | 6,500  |                         | 64   | 13.1 | 16.5 |  | 6,500  |
|                                                 | 27.4 | 21.9 | 11.1 |  | 39,600   |       | 20   | 68.5 | 47.7 | 52,000                                                                    |                         | 15.2 | 78.7 | 68.2 |   | 77,600  |                         | 17.2 | 77.2 | 67.8 |  | 65,800 |                         | 17.2 | 77.2 | 67.8 |  | 65,800 |                         | 17.2 | 77.2 | 67.8 |  | 65,800 |
|                                                 | 7.6  | 78.5 | 29.3 |  | *217,400 |       | 23   | 64.6 | 46.4 | 42,500                                                                    |                         | 20   | 74.5 | 67.0 |   | 51,300  |                         | 23   | 73.8 | 66.1 |  | 41,600 |                         | 23   | 73.8 | 66.1 |  | 41,600 |                         | 23   | 73.8 | 66.1 |  | 41,600 |
|                                                 | 9    | 75.5 | 29.0 |  | *181,000 |       | 26   | 60.6 | 44.8 | 35,500                                                                    |                         | 23   | 71.8 | 66.1 |   | 41,600  |                         | 26   | 69.1 | 65.0 |  | 34,600 |                         | 26   | 69.1 | 65.0 |  | 34,600 |                         | 26   | 69.1 | 65.0 |  | 34,600 |
|                                                 | 11   | 71.1 | 28.3 |  | 132,200  |       | 29   | 56.4 | 42.9 | 30,100                                                                    |                         | 26   | 69.1 | 65.0 |   | 34,600  |                         | 29   | 66.3 | 63.7 |  | 29,200 |                         | 29   | 66.3 | 63.7 |  | 29,200 |                         | 29   | 66.3 | 63.7 |  | 29,200 |
|                                                 | 13   | 66.6 | 27.5 |  | 100,000  |       | 32   | 52.1 | 40.6 | 26,000                                                                    |                         | 32   | 63.5 | 62.3 |   | 25,000  |                         | 32   | 63.5 | 62.3 |  | 25,000 |                         | 32   | 63.5 | 62.3 |  | 25,000 |                         | 32   | 63.5 | 62.3 |  | 25,000 |
|                                                 | 15   | 61.9 | 26.5 |  | 80,100   |       | 35   | 47.4 | 38.0 | 22,700                                                                    |                         | 35   | 60.6 | 60.7 |   | 21,600  |                         | 35   | 60.6 | 60.7 |  | 21,600 |                         | 35   | 60.6 | 60.7 |  | 21,600 |                         | 35   | 60.6 | 60.7 |  | 21,600 |
| 30.5M                                           | 18   | 54.4 | 24.5 |  | 61,000   | 54.9M | 38   | 42.3 | 34.9 | 19,900                                                                    | Midpoint Location 33.5M | 38   | 57.6 | 58.8 |   | 18,800  | Midpoint Location 42.7M | 38   | 57.6 | 58.8 |  | 18,800 | Midpoint Location 48.8M | 38   | 57.6 | 58.8 |  | 18,800 | Midpoint Location 48.8M | 38   | 57.6 | 58.8 |  | 18,800 |
|                                                 | 21   | 46.1 | 21.9 |  | 48,400   |       | 41   | 36.7 | 31.2 | 17,600                                                                    |                         | 41   | 54.5 | 56.8 |   | 16,500  |                         | 41   | 54.5 | 56.8 |  | 16,500 |                         | 41   | 54.5 | 56.8 |  | 16,500 |                         | 41   | 54.5 | 56.8 |  | 16,500 |
|                                                 | 24   | 36.3 | 18.3 |  | 40,800   |       | 44   | 30.2 | 26.5 | 15,600                                                                    |                         | 44   | 51.2 | 54.5 |   | 14,500  |                         | 44   | 51.2 | 54.5 |  | 14,500 |                         | 44   | 51.2 | 54.5 |  | 14,500 |                         | 44   | 51.2 | 54.5 |  | 14,500 |
|                                                 | 27   | 23.1 | 12.8 |  | 34,100   |       | 47   | 21.9 | 20.2 | 14,000                                                                    |                         | 47   | 47.8 | 48.9 |   | 11,400  |                         | 47   | 47.8 | 48.9 |  | 11,400 |                         | 47   | 47.8 | 48.9 |  | 11,400 |                         | 47   | 47.8 | 48.9 |  | 11,400 |
|                                                 | 30.5 | 19.4 | 12.1 |  | 28,600   |       | 50   | 15.1 | 14.7 | 13,100                                                                    |                         | 50   | 44.2 | 45.5 |   | 10,100  |                         | 50   | 44.2 | 45.5 |  | 10,100 |                         | 50   | 44.2 | 45.5 |  | 10,100 |                         | 50   | 44.2 | 45.5 |  | 10,100 |
|                                                 | 7.6  | 79.7 | 32.4 |  | *217,400 |       | 51.8 | 14.6 | 15.1 | 11,300                                                                    |                         | 51   | 39.9 | 43.2 |   | 9,700   |                         | 51   | 39.9 | 43.2 |  | 9,700  |                         | 51   | 39.9 | 43.2 |  | 9,700  |                         | 51   | 39.9 | 43.2 |  | 9,700  |
|                                                 | 9    | 77.0 | 32.1 |  | *181,000 |       | 12.2 | 78.8 | 53.3 | *109,100                                                                  |                         | 52   | 26.1 | 31.5 |   | 7,000   |                         | 52   | 26.1 | 31.5 |  | 7,000  |                         | 52   | 26.1 | 31.5 |  | 7,000  |                         | 52   | 26.1 | 31.5 |  | 7,000  |
|                                                 | 11   | 73.1 | 31.5 |  | 132,100  |       | 14   | 76.8 | 52.9 | 88,700                                                                    |                         | 53   | 19.3 | 24.2 |   | 6,200   |                         | 53   | 19.3 | 24.2 |  | 6,200  |                         | 53   | 19.3 | 24.2 |  | 6,200  |                         | 53   | 19.3 | 24.2 |  | 6,200  |
| 33.5M                                           | 13   | 69.1 | 30.8 |  | 99,900   | 57.9M | 17   | 73.3 | 52.0 | 65,900                                                                    | Midpoint Location 33.5M | 54   | 12.8 | 16.8 |   | 5,700   | Midpoint Location 42.7M | 54   | 12.8 | 16.8 |  | 5,700  | Midpoint Location 48.8M | 54   | 12.8 | 16.8 |  | 5,700  | Midpoint Location 48.8M | 54   | 12.8 | 16.8 |  | 5,700  |
|                                                 | 15   | 65.0 | 29.9 |  | 80,000   |       | 20   | 69.8 | 51.0 | 51,800                                                                    |                         | 55   | 36.2 | 41.7 |   | 9,000   |                         | 55   | 36.2 | 41.7 |  | 9,000  |                         | 55   | 36.2 | 41.7 |  | 9,000  |                         | 55   | 36.2 | 41.7 |  | 9,000  |
|                                                 | 18   | 58.5 | 28.2 |  | 61,000   |       | 23   | 66.2 | 49.7 | 42,100                                                                    |                         | 56   | 31.5 | 37.1 |   | 7,900   |                         | 56   | 31.5 | 37.1 |  | 7,900  |                         | 56   | 31.5 | 37.1 |  | 7,900  |                         | 56   | 31.5 | 37.1 |  | 7,900  |
|                                                 | 21   | 51.5 | 26.0 |  | 48,800   |       | 26   | 62.5 | 48.2 | 35,100                                                                    |                         | 57   | 26.1 | 31.5 |   | 7,000   |                         | 57   | 26.1 | 31.5 |  | 7,000  |                         | 57   | 26.1 | 31.5 |  | 7,000  |                         | 57   | 26.1 | 31.5 |  | 7,000  |
|                                                 | 24   | 43.7 | 23.2 |  | 40,300   |       | 29   | 58.7 | 46.5 | 29,800                                                                    |                         | 58   | 19.3 | 24.2 |   | 6,200   |                         | 58   | 19.3 | 24.2 |  | 6,200  |                         | 58   | 19.3 | 24.2 |  | 6,200  |                         | 58   | 19.3 | 24.2 |  | 6,200  |
|                                                 | 27   | 34.5 | 19.3 |  | 34,100   |       | 32   | 54.7 | 44.5 | 25,600                                                                    |                         | 59   | 15.2 | 19.3 |   | 5,700   |                         | 59   | 15.2 | 19.3 |  | 5,700  |                         | 59   | 15.2 | 19.3 |  | 5,700  |                         | 59   | 15.2 | 19.3 |  | 5,700  |
|                                                 | 30   | 22.1 | 13.5 |  | 29,300   |       | 35   | 50.4 | 42.1 | 22,200                                                                    |                         | 60   | 12.5 | 17.1 |   | 4,800   |                         | 60   | 12.5 | 17.1 |  | 4,800  |                         | 60   | 12.5 | 17.1 |  | 4,800  |                         | 60   | 12.5 | 17.1 |  | 4,800  |
|                                                 | 33.5 | 18.5 | 12.6 |  | 24,700   |       | 38   | 45.9 | 39.4 | 19,500                                                                    |                         | 61   | 11.9 | 15.9 |   | 4,400   |                         | 61   | 11.9 | 15.9 |  | 4,400  |                         | 61   | 11.9 | 15.9 |  | 4,400  |                         | 61   | 11.9 | 15.9 |  | 4,400  |
| 36.6M                                           | 9.1  | 77.9 | 35.2 |  | *177,100 | 61.0M | 41   | 41.1 | 36.1 | 17,200                                                                    | Midpoint Location 33.5M | 62   | 11.9 | 15.9 |   | 4,400   | Midpoint Location 42.7M | 62   | 11.9 | 15.9 |  | 4,400  | Midpoint Location 48.8M | 62   | 11.9 | 15.9 |  | 4,400  | Midpoint Location 48.8M | 62   | 11.9 | 15.9 |  | 4,400  |
|                                                 | 11   | 74.7 | 34.7 |  | 132,100  |       |      |      |      |                                                                           |                         |      |      |      |   |         |                         |      |      |      |  |        |                         |      |      |      |  |        |                         |      |      |      |  |        |



MAXIMUM MAIN COUNTERWEIGHT — 38,556Kg.  
MAXIMUM BUMPER COUNTERWEIGHT — 9,798Kg.

| BOOM                                                                 |      |      |         | CAPACITY | CAPACITIES BELOW APPLY TO JIBS — SEE JIB DATA                                               |        |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                            |        |          |
|----------------------------------------------------------------------|------|------|---------|----------|---------------------------------------------------------------------------------------------|--------|----------|---------------------------------------------------------------------------------------------|--------|----------|---------------------------------------------------------------------------------------------|--------|----------|--------------------------------------------------------------------------------------------|--------|----------|
| L                                                                    | R    | A    | H       |          | BOOM PLUS JIB                                                                               |        |          | BOOM PLUS JIB                                                                               |        |          | BOOM PLUS JIB                                                                               |        |          | BOOM PLUS JIB                                                                              |        |          |
|                                                                      |      |      |         |          | Length                                                                                      | Radius | CAPACITY | Length                                                                                      | Radius | CAPACITY | Length                                                                                      | Radius | CAPACITY | Length                                                                                     | Radius | CAPACITY |
| 91.4M<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm  | 18.3 | 79.8 | 92.5    | * 56,600 | 103.6M<br>(91.4M +<br>12.2M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm  | 24.4   | * 36,200 | 109.7M<br>(97.5M +<br>12.2M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm  | 27.4   | 32,700   | 115.8M<br>(100.6M +<br>15.2M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 27.4   | * 28,500 | 121.9M<br>(95.5M +<br>27.4M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 33.5   | * 14,000 |
|                                                                      | 20   | 78.7 | 92.1    | 50,400   |                                                                                             | 26     | 34,900   |                                                                                             | 29     | 29,900   |                                                                                             | 29     | * 28,300 |                                                                                            | 35     | * 14,000 |
|                                                                      | 23   | 76.8 | 91.5    | 41,100   |                                                                                             | 26     | 34,900   |                                                                                             | 32     | 25,400   |                                                                                             | 32     | 26,200   |                                                                                            | 38     | * 14,000 |
|                                                                      | 26   | 74.8 | 90.7    | 33,900   |                                                                                             | 29     | 30,400   |                                                                                             | 35     | 21,800   |                                                                                             | 35     | 22,200   |                                                                                            | 41     | * 14,000 |
|                                                                      | 29   | 72.9 | 89.8    | 28,500   |                                                                                             | 32     | 25,600   |                                                                                             | 38     | 18,800   |                                                                                             | 38     | 19,200   |                                                                                            | 44     | * 14,000 |
|                                                                      | 32   | 70.9 | 88.8    | 24,300   |                                                                                             | 35     | 22,000   |                                                                                             | 41     | 16,300   |                                                                                             | 41     | 16,600   |                                                                                            | 47     | 13,800   |
|                                                                      | 35   | 68.9 | 87.7    | 20,900   |                                                                                             | 38     | 19,100   |                                                                                             | 44     | 14,100   |                                                                                             | 44     | 14,400   |                                                                                            | 50     | 12,600   |
|                                                                      | 38   | 66.8 | 86.4    | 18,000   |                                                                                             | 41     | 16,600   |                                                                                             | 47     | 12,400   |                                                                                             | 47     | 12,600   |                                                                                            | 53     | 11,100   |
|                                                                      | 41   | 64.8 | 85.0    | 15,700   |                                                                                             | 44     | 14,500   |                                                                                             | 50     | 10,900   |                                                                                             | 50     | 11,000   |                                                                                            | 56     | 9,800    |
|                                                                      | 44   | 62.7 | 83.5    | 13,800   |                                                                                             | 47     | 12,700   |                                                                                             | 53     | 9,300    |                                                                                             | 53     | 9,500    |                                                                                            | 59     | 8,600    |
|                                                                      | 47   | 60.5 | 81.9    | 12,000   |                                                                                             | 50     | 11,100   |                                                                                             | 56     | 8,100    |                                                                                             | 56     | 8,300    |                                                                                            | 62     | 7,600    |
|                                                                      | 50   | 58.3 | 80.1    | 10,600   |                                                                                             | 53     | 9,700    |                                                                                             | 59     | 7,000    |                                                                                             | 59     | 7,200    |                                                                                            | 65     | 6,600    |
|                                                                      | 53   | 56.1 | 78.1    | 9,300    |                                                                                             | 56     | 8,500    |                                                                                             | 62     | 6,100    |                                                                                             | 62     | 6,200    |                                                                                            | 68     | 5,800    |
|                                                                      | 56   | 53.8 | 76.0    | 8,100    |                                                                                             | 59     | 7,400    |                                                                                             | 65     | 5,200    |                                                                                             | 65     | 5,300    |                                                                                            | 71     | 5,000    |
|                                                                      | 59   | 51.4 | 73.7    | 7,100    |                                                                                             | 62     | 6,400    |                                                                                             | 68     | 4,400    |                                                                                             | 68     | 4,400    |                                                                                            | 74     | 4,300    |
|                                                                      | 62   | 48.9 | 71.2    | 6,200    |                                                                                             | 65     | 5,500    |                                                                                             | 71     | 3,500    |                                                                                             | 71     | 3,600    |                                                                                            | 77     | 3,600    |
|                                                                      | 65   | 46.4 | 68.4    | * 4,600  |                                                                                             | 68     | 4,700    |                                                                                             | 74     | 2,800    |                                                                                             | 74     | 2,800    |                                                                                            | 79.2   | 3,100    |
| 68                                                                   | 43.7 | 65.4 | * 3,700 | 71       | 3,900                                                                                       | 76.2   | 2,300    | 76.2                                                                                        | 2,300  |          |                                                                                             |        |          |                                                                                            |        |          |
| 71                                                                   | 40.9 | 62.0 | * 2,900 | 74       | 3,200                                                                                       |        |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                            |        |          |
| 74                                                                   | 37.9 | 58.3 | * 2,200 | 77       | 2,500                                                                                       |        |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                            |        |          |
| 77                                                                   | 34.7 | 54.2 | * 1,900 | 79.2     | 2,000                                                                                       |        |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                            |        |          |
| 79.2                                                                 | 32.1 | 50.7 |         |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                            |        |          |
| 94.5M<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm  | 21.3 | 78.2 | 95.0    | 46,000   | 106.7M<br>(94.5M +<br>12.2M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm  | 24.4   | * 36,200 | 112.8M<br>(100.6M +<br>12.2M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 27.4   | 32,700   | 118.8M<br>(97.5M +<br>21.3M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm  | 30.5   | * 18,100 | 125.0M<br>(94.5M +<br>30.5M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 33.5   | * 12,200 |
|                                                                      | 23   | 77.2 | 94.6    | 41,000   |                                                                                             | 26     | 34,900   |                                                                                             | 29     | 29,800   |                                                                                             | 32     | * 18,100 |                                                                                            | 35     | * 12,200 |
|                                                                      | 26   | 75.3 | 93.8    | 33,800   |                                                                                             | 29     | 30,300   |                                                                                             | 32     | 25,300   |                                                                                             | 35     | * 18,100 |                                                                                            | 41     | * 12,200 |
|                                                                      | 29   | 73.4 | 93.0    | 28,500   |                                                                                             | 32     | 25,600   |                                                                                             | 35     | 21,700   |                                                                                             | 38     | * 18,100 |                                                                                            | 44     | * 12,200 |
|                                                                      | 32   | 71.5 | 92.0    | 24,200   |                                                                                             | 35     | 22,000   |                                                                                             | 38     | 18,700   |                                                                                             | 41     | 17,400   |                                                                                            | 47     | * 12,200 |
|                                                                      | 35   | 69.6 | 90.9    | 20,858   |                                                                                             | 38     | 19,000   |                                                                                             | 41     | 16,200   |                                                                                             | 44     | 15,300   |                                                                                            | 50     | * 12,200 |
|                                                                      | 38   | 67.6 | 89.7    | 18,000   |                                                                                             | 41     | 16,600   |                                                                                             | 44     | 14,100   |                                                                                             | 47     | 13,400   |                                                                                            | 53     | 11,200   |
|                                                                      | 41   | 65.6 | 88.4    | 15,700   |                                                                                             | 44     | 14,400   |                                                                                             | 47     | 12,300   |                                                                                             | 50     | 11,700   |                                                                                            | 56     | 9,800    |
|                                                                      | 44   | 63.6 | 87.0    | 13,700   |                                                                                             | 47     | 12,600   |                                                                                             | 50     | 10,700   |                                                                                             | 53     | 10,300   |                                                                                            | 59     | 8,800    |
|                                                                      | 47   | 61.6 | 85.4    | 12,000   |                                                                                             | 50     | 11,000   |                                                                                             | 53     | 9,300    |                                                                                             | 56     | 9,000    |                                                                                            | 62     | 7,700    |
|                                                                      | 50   | 59.5 | 83.7    | 10,500   |                                                                                             | 53     | 9,600    |                                                                                             | 56     | 8,000    |                                                                                             | 59     | 7,800    |                                                                                            | 65     | 6,700    |
|                                                                      | 53   | 57.3 | 81.8    | 9,200    |                                                                                             | 56     | 8,400    |                                                                                             | 59     | 6,900    |                                                                                             | 62     | 6,800    |                                                                                            | 68     | 5,900    |
|                                                                      | 56   | 55.1 | 79.8    | 8,100    |                                                                                             | 59     | 7,300    |                                                                                             | 62     | 5,900    |                                                                                             | 65     | 5,900    |                                                                                            | 71     | 5,100    |
|                                                                      | 59   | 52.9 | 77.6    | 7,000    |                                                                                             | 62     | 6,300    |                                                                                             | 65     | 5,100    |                                                                                             | 68     | 5,100    |                                                                                            | 74     | 4,400    |
|                                                                      | 62   | 50.5 | 75.2    | 6,100    |                                                                                             | 65     | 5,500    |                                                                                             | 68     | 4,200    |                                                                                             | 71     | 4,300    |                                                                                            | 77     | 3,700    |
|                                                                      | 65   | 48.1 | 72.6    | 5,300    |                                                                                             | 68     | 4,700    |                                                                                             | 71     | 3,400    |                                                                                             | 74     | 3,500    |                                                                                            | 80     | 3,000    |
|                                                                      | 68   | 45.6 | 69.7    | * 4,500  |                                                                                             | 71     | 3,900    |                                                                                             | 74     | 2,600    |                                                                                             | 77     | 2,800    |                                                                                            | 83     | 2,300    |
| 71                                                                   | 43.0 | 66.6 | * 3,700 | 74       | 3,100                                                                                       | 76.2   | 2,100    | 79.2                                                                                        | 2,300  | 85.3     | 1,900                                                                                       |        |          |                                                                                            |        |          |
| 74                                                                   | 40.2 | 63.2 | * 2,800 | 77       | 2,400                                                                                       |        |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                            |        |          |
| 77                                                                   | 37.3 | 59.4 | * 2,200 | 79.2     | 2,000                                                                                       |        |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                            |        |          |
| 79.2                                                                 | 35.0 | 56.3 | * 1,800 |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                            |        |          |
| 97.5M<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm  | 21.3 | 78.6 | 98.1    | * 45,300 | 109.7M<br>(97.5M +<br>12.2M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm  | 24.4   | * 36,200 | 115.8M<br>(100.6M +<br>15.2M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 27.4   | 32,700   | 121.9M<br>(95.5M +<br>27.4M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm  | 30.5   | * 18,100 | 128.0M<br>(94.5M +<br>33.5M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 33.5   | * 12,200 |
|                                                                      | 23   | 77.6 | 97.7    | 40,800   |                                                                                             | 26     | 34,900   |                                                                                             | 29     | 29,800   |                                                                                             | 32     | * 18,100 |                                                                                            | 35     | * 12,200 |
|                                                                      | 26   | 75.8 | 97.0    | 33,800   |                                                                                             | 29     | 30,300   |                                                                                             | 32     | 25,300   |                                                                                             | 35     | * 18,100 |                                                                                            | 41     | * 12,200 |
|                                                                      | 29   | 74.0 | 96.2    | 28,400   |                                                                                             | 32     | 25,600   |                                                                                             | 35     | 21,700   |                                                                                             | 38     | * 18,100 |                                                                                            | 44     | * 12,200 |
|                                                                      | 32   | 72.1 | 95.2    | 24,200   |                                                                                             | 35     | 22,000   |                                                                                             | 38     | 18,700   |                                                                                             | 41     | 17,400   |                                                                                            | 47     | * 12,200 |
|                                                                      | 35   | 70.2 | 94.2    | 20,800   |                                                                                             | 38     | 19,000   |                                                                                             | 41     | 16,200   |                                                                                             | 44     | 15,300   |                                                                                            | 50     | * 12,200 |
|                                                                      | 38   | 68.4 | 93.0    | 18,000   |                                                                                             | 41     | 16,600   |                                                                                             | 44     | 14,100   |                                                                                             | 47     | 13,400   |                                                                                            | 53     | 11,200   |
|                                                                      | 41   | 66.4 | 91.8    | 15,600   |                                                                                             | 44     | 14,400   |                                                                                             | 47     | 12,300   |                                                                                             | 50     | 11,700   |                                                                                            | 56     | 9,800    |
|                                                                      | 44   | 64.5 | 90.4    | 13,600   |                                                                                             | 47     | 12,600   |                                                                                             | 50     | 10,700   |                                                                                             | 53     | 10,300   |                                                                                            | 59     | 8,800    |
|                                                                      | 47   | 62.5 | 88.9    | 11,900   |                                                                                             | 50     | 11,000   |                                                                                             | 53     | 9,300    |                                                                                             | 56     | 9,000    |                                                                                            | 62     | 7,700    |
|                                                                      | 50   | 60.5 | 87.2    | 10,400   |                                                                                             | 53     | 9,600    |                                                                                             | 56     | 8,000    |                                                                                             | 59     | 7,800    |                                                                                            | 65     | 6,700    |
|                                                                      | 53   | 58.5 | 85.4    | 9,100    |                                                                                             | 56     | 8,400    |                                                                                             | 59     | 6,900    |                                                                                             | 62     | 6,800    |                                                                                            | 68     | 5,900    |
|                                                                      | 56   | 56.4 | 83.5    | 7,900    |                                                                                             | 59     | 7,300    |                                                                                             | 62     | 5,900    |                                                                                             | 65     | 5,900    |                                                                                            | 71     | 5,100    |
|                                                                      | 59   | 54.2 | 81.4    | 6,900    |                                                                                             | 62     | 6,300    |                                                                                             | 65     | 5,100    |                                                                                             | 68     | 5,100    |                                                                                            | 74     | 4,400    |
|                                                                      | 62   | 52.0 | 79.1    | 6,000    |                                                                                             | 65     | 5,500    |                                                                                             | 68     | 4,200    |                                                                                             | 71     | 4,300    |                                                                                            | 77     | 3,700    |
|                                                                      | 65   | 49.7 | 76.6    | 5,200    |                                                                                             | 68     | 4,700    |                                                                                             | 71     | 3,400    |                                                                                             | 74     | 3,500    |                                                                                            | 80     | 3,000    |
|                                                                      | 68   | 47.4 | 73.9    | 4,400    |                                                                                             | 71     | 3,900    |                                                                                             | 74     | 2,600    |                                                                                             | 77     | 2,800    |                                                                                            | 83     | 2,300    |
| 71                                                                   | 44.9 | 71.0 | * 3,600 | 74       | 3,100                                                                                       | 76.2   | 2,100    | 79.2                                                                                        | 2,300  | 85.3     | 1,900                                                                                       |        |          |                                                                                            |        |          |
| 74                                                                   | 42.3 | 67.8 | * 2,800 | 77       | 2,400                                                                                       |        |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                            |        |          |
| 77                                                                   | 39.6 | 64.3 | * 2,100 | 79.2     | 2,000                                                                                       |        |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                            |        |          |
| 79.2                                                                 | 37.5 | 61.5 | * 1,800 |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                            |        |          |
| 100.6M<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 21.3 | 78.9 | 101.2   | * 44,000 | 112.8M<br>(100.6M +<br>12.2M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 24.4   | * 36,200 | 118.8M<br>(100.6M +<br>18.2M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 27.4   | 32,700   | 124.9M<br>(95.5M +<br>29.4M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm  | 30.5   | * 18,100 | 131.0M<br>(94.5M +<br>36.5M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 33.5   | * 12,200 |
|                                                                      | 23   | 78.0 | 100.8   | * 40,400 |                                                                                             | 26     | 34,900   |                                                                                             | 29     | 29,800   |                                                                                             | 32     | * 18,100 |                                                                                            | 35     | * 12,200 |
|                                                                      | 26   | 76.2 | 100.1   | 33,800   |                                                                                             | 29     | 30,300   |                                                                                             | 32     | 25,300   |                                                                                             | 35     | * 18,100 |                                                                                            | 41     | * 12,200 |
|                                                                      | 29   | 74.5 | 99.3    | 28,300   |                                                                                             | 32     | 25,600   |                                                                                             | 35     | 21,700   |                                                                                             | 38     | * 18,100 |                                                                                            | 44     | * 12,200 |
|                                                                      | 32   | 72.7 | 98.4    | 24,100   |                                                                                             | 35     | 22,000   |                                                                                             | 38     | 18,700   |                                                                                             | 41     | 17,400   |                                                                                            | 47     | * 12,200 |
|                                                                      | 35   | 70.9 | 97.4    | 20,600   |                                                                                             | 38     | 19,000   |                                                                                             | 41     | 16,200   |                                                                                             | 44     | 15,300   |                                                                                            | 50     | * 12,200 |
|                                                                      | 38   | 69.0 | 96.3    | 17,800   |                                                                                             | 41     | 16,600   |                                                                                             | 44     | 14,100   |                                                                                             | 47     | 13,400   |                                                                                            | 53     | 11,200   |
|                                                                      | 41   | 67.2 | 95.1    | 15,400   |                                                                                             | 44     | 14,400   |                                                                                             | 47     | 12,300   |                                                                                             | 50     | 11,700   |                                                                                            | 56     | 9,800    |
|                                                                      | 44   | 65.3 | 93.7    | 13,400   |                                                                                             | 47     | 12,600   |                                                                                             | 50     | 10,700   |                                                                                             | 53     | 10,300   |                                                                                            | 59     | 8,800    |
|                                                                      | 47   | 63.4 | 92.3    | 11,700   |                                                                                             | 50     | 11,000   |                                                                                             | 53     | 9,300    |                                                                                             | 56     | 9,000    |                                                                                            | 62     | 7,700    |
|                                                                      | 50   | 61.5 | 90.7    | 10,200   |                                                                                             | 53     | 9,600    |                                                                                             | 56     | 8,000    |                                                                                             | 59     | 7,800    |                                                                                            | 65     | 6,700    |
|                                                                      | 53   | 59.5 | 89.0    | 8,900    |                                                                                             | 56     | 8,400    |                                                                                             | 59     | 6,900    |                                                                                             | 62     | 6,800    |                                                                                            | 68     | 5,900    |
|                                                                      | 56   | 57.5 | 87.1    | 7,800    |                                                                                             | 59     | 7,300    |                                                                                             | 62     | 5,900    |                                                                                             | 65     | 5,900    |                                                                                            | 71     | 5,100    |
|                                                                      | 59   | 55.5 | 85.1    | 6,800    |                                                                                             | 62     | 6,300    |                                                                                             | 65     | 5,100    |                                                                                             | 68     | 5,100    |                                                                                            | 74     | 4,400    |
|                                                                      | 62   | 53.4 | 82.9    | 5,800    |                                                                                             | 65     | 5,500    |                                                                                             | 68     | 4,200    |                                                                                             | 71     | 4,300    |                                                                                            | 77     | 3,700    |
|                                                                      | 65   | 51.2 | 80.6    | 5,000    |                                                                                             | 68     | 4,700    |                                                                                             | 71     | 3,400    |                                                                                             | 74     | 3,500    |                                                                                            | 80     | 3,000    |
|                                                                      | 68   | 48.9 | 78.1    | 4,200    |                                                                                             | 71     | 3,900    |                                                                                             | 74     | 2,600    |                                                                                             | 77     | 2,800    |                                                                                            | 83     | 2,300    |
| 71                                                                   | 46.6 | 75.3 | 3,400   | 74       | 3,100                                                                                       | 77     | 2,400    | 80                                                                                          | 2,100  | 85.3     | 1,900                                                                                       |        |          |                                                                                            |        |          |
| 74                                                                   | 44.2 | 72.3 | 2,700   | 77       | 2,400                                                                                       |        |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                            |        |          |
| 77                                                                   | 41.7 | 69.1 | * 2,000 | 79.2     | 2,000                                                                                       |        |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                            |        |          |
| 79.2                                                                 | 39.7 | 66.4 | * 1,600 |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                             |        |          |                                                                                            |        |          |

**This Chart Is Based Upon:**

- Capacities marked by \* are based upon structural limitations of the machine; all others do not exceed 85% of tipping in the least stable direction.
- When the machine is equipped with standard outriggers and front auxiliary outriggers, full 360° operation of the crane is permitted. However, when operating the crane in the front sector, the load radius shall not be less than 10.6 (Refer to diagram below.)
- Machine to be leveled on a firm solid support; shock and side loads are to be prevented.
- When lifting a load, the outriggers must be fully extended horizontally, the outrigger floats down, and all tires free of the ground.
- All hook blocks, lifting tackle and jib attachments are considered a part of the load to be lifted.
- Exceeding these loads or altering the counterweight nullifies all warranties.
- Gantry must be in fully raised position when handling booms or boom plus jib combinations.
- When the machine is equipped with standard outriggers, over the side is the least stable direction
- Load ratings shown on this chart make no allowance for such factors as the effect of side loads, wind, ground conditions, and operating speeds. The operator therefore shall reduce loads in order to take these factors into account.

The diagram illustrates the crane's operational sectors: REAR SECTOR, SIDE SECTOR, FRONT SECTOR, and FRONT AUXILIARY OUTRIGGER. It also shows the STANDARD OUTRIGGERS and the REAR AUXILIARY OUTRIGGER. The diagram includes a central circle representing the crane's rotation, with lines indicating the sectors and the positions of the outriggers. The sectors are labeled with angles: 22° for the REAR SECTOR and 22° for the SIDE SECTOR. The FRONT SECTOR is labeled with 22° and 22°. The FRONT AUXILIARY OUTRIGGER is labeled with 22°. The STANDARD OUTRIGGERS are labeled with 22° and 22°. The REAR AUXILIARY OUTRIGGER is labeled with 22° and 22°.

Capacities Per S.A.E. Code J-765  
Class Designation Per U.S. Dept. of Commerce Standards

L = Boom Length (in Meters)  
R = Load Radius From Centerline of Rotation (in Meters)  
H = Height of Boom Point Shaft Above Ground (in Meters)  
A = Boom Angle Above Horizontal (in Degrees)



| TUBULAR BOOM<br>300 TON CLASS 18-2831 |      |       |        |          | CRANE LIFTING CAPACITIES<br>MACHINE EQUIPPED WITH STANDARD OUTRIGGERS, AUXILIARY<br>OUTRIGGERS (SIDE, FRONT, AND REAR), AND BUMPER COUNTERWEIGHT |        |          |          |          |          |         |          |          |          |          |        |        |          |          |        |          |        |
|---------------------------------------|------|-------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|----------|----------|----------|---------|----------|----------|----------|----------|--------|--------|----------|----------|--------|----------|--------|
| BOOM                                  |      |       |        | CAPACITY | BOOM                                                                                                                                             |        |          |          | CAPACITY | BOOM     |         |          |          | CAPACITY | BOOM     |        |        |          | CAPACITY |        |          |        |
| L                                     | R    | A     | H      |          | L                                                                                                                                                | R      | A        | H        |          | L        | R       | A        | H        |          | L        | R      | A      | H        |          |        |          |        |
| 70'                                   | 18'  | 81.0  | 77.5   | *600,000 | 150'                                                                                                                                             | 35'    | 79.2     | 155.6'   | *299,800 | 210'     | 45'     | 79.6     | 214.8'   | *201,800 | 260'     | 60'    | 78.2   | 262.8'   | *133,400 |        |          |        |
|                                       | 20'  | 79.4  | 77.1   | *517,700 |                                                                                                                                                  | 40'    | 77.3     | 154.5'   | 255,200  |          | 50'     | 78.2     | 213.8'   | *173,200 |          | 70'    | 75.9   | 260.4'   | *107,800 |        |          |        |
|                                       | 25'  | 75.1  | 75.8'  | *480,200 |                                                                                                                                                  | 45'    | 75.3     | 153.2'   | 221,000  |          | 60'     | 75.4     | 211.3'   | *133,900 |          | 80'    | 73.6   | 257.6'   | 89,500   |        |          |        |
|                                       | 30'  | 70.8  | 74.1'  | *391,000 |                                                                                                                                                  | 50'    | 73.3     | 151.8'   | 194,100  |          | 70'     | 72.5     | 208.4'   | *108,300 |          | 90'    | 71.3   | 254.4'   | 76,100   |        |          |        |
|                                       | 35'  | 66.4  | 71.9'  | *328,900 |                                                                                                                                                  | 60'    | 69.3     | 148.2'   | 154,300  |          | 80'     | 69.6     | 204.8'   | 90,000   |          | 100'   | 69.0   | 250.7'   | 65,700   |        |          |        |
|                                       | 40'  | 61.7  | 69.3'  | *283,100 |                                                                                                                                                  | 70'    | 65.1     | 143.8'   | 125,000  |          | 90'     | 66.7     | 200.7'   | 76,600   |          | 110'   | 66.6   | 246.5'   | 57,300   |        |          |        |
|                                       | 45'  | 56.9  | 66.1'  | *244,600 |                                                                                                                                                  | 80'    | 60.8     | 138.5'   | 102,600  |          | 100'    | 63.7     | 196.0'   | 66,200   |          | 120'   | 64.2   | 241.9'   | 50,300   |        |          |        |
|                                       | 50'  | 51.7  | 62.3'  | *209,000 |                                                                                                                                                  | 90'    | 56.3     | 132.2'   | 86,100   |          | 110'    | 60.5     | 190.5'   | 57,800   |          | 130'   | 61.7   | 236.6'   | 44,600   |        |          |        |
|                                       | 60'  | 40.0  | 52.0'  | 159,000  |                                                                                                                                                  | 100'   | 51.5     | 124.7'   | 73,500   |          | 120'    | 57.3     | 184.4'   | 50,800   |          | 140'   | 59.1   | 230.9'   | 39,100   |        |          |        |
|                                       | 70'  | 23.6  | 34.7'  | 125,800  |                                                                                                                                                  | 110'   | 46.4     | 115.8'   | 63,600   |          | 130'    | 54.0     | 177.4'   | *45,100  |          | 150'   | 56.5   | 224.5'   | 34,000   |        |          |        |
| 80'                                   | 25'  | 77.0  | 86.1'  | *480,100 | 160'                                                                                                                                             | 120'   | 40.7     | 105.0'   | 55,600   | 220'     | 140'    | 50.5     | 169.5'   | *40,200  | 270'     | 160'   | 53.8   | 217.4'   | 29,600   |        |          |        |
|                                       | 30'  | 73.3  | 84.7'  | *390,900 |                                                                                                                                                  | 130'   | 34.3     | 91.6'    | 49,100   |          | 150'    | 46.9     | 160.6'   | *36,000  |          | 170'   | 51.0   | 209.6'   | 25,700   |        |          |        |
|                                       | 35'  | 69.5  | 82.9'  | *328,100 |                                                                                                                                                  | 140'   | 26.6     | 74.0'    | 43,600   |          | 160'    | 43.0     | 150.4'   | *32,400  |          | 180'   | 48.1   | 201.0'   | 22,200   |        |          |        |
|                                       | 40'  | 65.6  | 80.6'  | *282,900 |                                                                                                                                                  | 150'   | 15.6     | 47.1'    | 39,000   |          | 170'    | 38.8     | 138.6'   | 29,000   |          | 190'   | 45.0   | 191.4'   | 19,100   |        |          |        |
|                                       | 45'  | 61.5  | 78.0'  | *244,500 |                                                                                                                                                  | 170'   | 40'      | 78.1     | 164.8'   |          | 247,500 | 230'     | 180'     | 34.1     |          | 124.8' | 25,900 | 280'     | 200'     | 41.8   | 180.6'   | 16,300 |
|                                       | 50'  | 57.3  | 74.8'  | *208,900 |                                                                                                                                                  |        | 45'      | 76.3     | 163.6'   |          | 216,000 |          | 190'     | 28.8     |          | 108.1' | 23,200 |          | 210'     | 38.4   | 168.6'   | 13,700 |
|                                       | 60'  | 48.1  | 66.8'  | 158,900  |                                                                                                                                                  |        | 50'      | 74.4     | 162.2'   |          | 190,600 |          | 200'     | 22.3     |          | 86.6'  | 20,800 |          | 220'     | 34.6   | 154.9'   | 11,400 |
|                                       | 70'  | 37.2  | 55.3'  | 125,700  |                                                                                                                                                  |        | 60'      | 70.6     | 158.9'   |          | 152,400 |          | 210'     | 13.1     |          | 54.3'  | 18,600 |          | 230'     | 30.5   | 139.0'   | 9,300  |
|                                       | 80'  | 21.9  | 36.6'  | 103,300  |                                                                                                                                                  |        | 70'      | 66.8     | 154.9'   |          | 124,900 |          | 220'     | 7.7      |          | 31.1'  | 14,900 |          | 240'     | 25.7   | 119.9'   | 7,300  |
|                                       | 90'  | 25'   | 78.5   | 96.4'    |                                                                                                                                                  |        | *479,400 | 180'     | 80'      |          | 62.8    |          | 150.0'   | 102,500  |          | 240'   | 50'    |          | 78.7     | 224.0' | *173,100 | 290'   |
| 30'                                   |      | 75.2  | 95.1'  | *390,800 | 90'                                                                                                                                              |        | 58.6     |          | 144.2'   | 85,900   | 60'     |          | 76.0     | 221.7'   | *133,800 |        | 70'    |          | 76.5     | 270.7' | *107,700 |        |
| 35'                                   |      | 71.9  | 93.5'  | *325,000 | 100'                                                                                                                                             |        | 54.3     |          | 137.4'   | 73,300   | 70'     |          | 73.3     | 218.8'   | *108,200 |        | 80'    |          | 74.3     | 268.0' | 89,400   |        |
| 40'                                   |      | 68.5  | 91.6'  | *278,700 | 110'                                                                                                                                             |        | 49.7     |          | 129.4'   | 63,400   | 80'     |          | 70.6     | 215.5'   | 89,900   |        | 90'    |          | 72.0     | 264.9' | 76,000   |        |
| 45'                                   |      | 65.0  | 89.3'  | *242,300 | 120'                                                                                                                                             |        | 44.8     |          | 119.9'   | 55,400   | 90'     |          | 67.8     | 211.6'   | 76,500   |        | 100'   |          | 69.8     | 261.4' | 65,600   |        |
| 50'                                   |      | 61.3  | 86.6'  | *208,800 | 130'                                                                                                                                             | 39.4   | 108.6'   |          | 48,900   | 100'     | 64.9    | 207.1'   | 66,100   | 110'     | 67.2     |        | 257.4' | 57,200   |          |        |          |        |
| 60'                                   |      | 53.7  | 79.9'  | 158,800  | 140'                                                                                                                                             | 33.2   | 94.6'    |          | *43,200  | 110'     | 62.0    | 202.0'   | 57,700   | 120'     | 65.2     |        | 253.0' | 50,200   |          |        |          |        |
| 70'                                   |      | 45.1  | 70.9'  | 125,600  | 150'                                                                                                                                             | 25.7   | 76.3'    |          | *37,800  | 120'     | 59.0    | 196.2'   | 50,700   | 130'     | 62.8     |        | 248.0' | 44,500   |          |        |          |        |
| 80'                                   |      | 34.9  | 58.5'  | 103,200  | 160'                                                                                                                                             | 15.1   | 48.4'    |          | *33,000  | 130'     | 55.9    | 189.7'   | *45,000  | 140'     | 60.4     |        | 242.5' | 39,000   |          |        |          |        |
| 90'                                   |      | 20.6  | 38.3'  | 86,800   | 190'                                                                                                                                             | 40'    | 78.8     |          | 175.0'   | *240,700 | 250'    | 140'     | 52.7     | 182.4'   | *40,100  |        | 300'   | 150'     | 57.9     | 236.4' | 33,900   |        |
| 100'                                  | 25'  | 79.7  | 106.7' | *479,300 |                                                                                                                                                  | 45'    | 77.1     | 173.9'   | *208,000 | 150'     |         | 49.3     | 174.1'   | *35,700  | 160'     | 54.4   |        | 229.7'   | 29,500   |        |          |        |
|                                       | 30'  | 76.7  | 105.5' | *390,700 |                                                                                                                                                  | 50'    | 75.3     | 172.6'   | *182,400 | 160'     |         | 45.7     | 164.8'   | *31,900  | 170'     | 52.7   |        | 222.4'   | 25,600   |        |          |        |
|                                       | 35'  | 73.7  | 104.1' | *321,300 |                                                                                                                                                  | 60'    | 71.8     | 169.5'   | *144,900 | 170'     |         | 41.9     | 154.2'   | *28,500  | 180'     | 50.0   |        | 214.3'   | 22,100   |        |          |        |
|                                       | 40'  | 70.7  | 102.4' | *273,600 |                                                                                                                                                  | 70'    | 68.2     | 165.8'   | *118,800 | 180'     |         | 37.8     | 142.0'   | *25,500  | 190'     | 47.1   |        | 205.3'   | 19,000   |        |          |        |
|                                       | 45'  | 67.6  | 100.3' | *237,800 |                                                                                                                                                  | 80'    | 64.5     | 161.2'   | 99,600   | 190'     |         | 33.3     | 127.7'   | *22,900  | 200'     | 44.2   |        | 195.4'   | 16,200   |        |          |        |
|                                       | 50'  | 64.5  | 98.0'  | *208,700 |                                                                                                                                                  | 90'    | 60.7     | 155.9'   | 84,900   | 200'     |         | 28.1     | 110.5'   | *20,500  | 210'     | 41.0   |        | 184.4'   | 13,600   |        |          |        |
|                                       | 60'  | 57.8  | 92.2'  | 158,700  |                                                                                                                                                  | 100'   | 56.7     | 149.7'   | 72,500   | 210'     |         | 21.8     | 88.5'    | *18,400  | 220'     | 37.6   |        | 172.0'   | 11,300   |        |          |        |
|                                       | 70'  | 50.7  | 84.7'  | 125,500  |                                                                                                                                                  | 110'   | 52.5     | 142.4'   | 62,600   | 220'     |         | 12.8     | 55.3'    | *16,400  | 230'     | 33.9   |        | 157.9'   | 9,200    |        |          |        |
|                                       | 80'  | 42.6  | 74.8'  | 103,100  |                                                                                                                                                  | 120'   | 48.1     | 133.9'   | 54,600   | 260'     |         | 50'      | 79.2     | 234.2'   | *173,000 | 310'   |        | 240'     | 29.9     | 141.6' | 7,200    |        |
|                                       | 90'  | 33.0  | 61.4'  | 86,700   | 130'                                                                                                                                             | 43.4   | 123.9'   | 48,000   | 60'      |          | 76.7    | 232.0'   | *133,700 | 250'     | 25.2     |        | 122.1' | 5,700    |          |        |          |        |
| 100'                                  | 19.4 | 40.0' | 74,500 | 140'     | 38.1                                                                                                                                             | 112.0' | 42,500   | 70'      | 74.1     |          | 229.3'  | *108,100 | 260'     | 19.6     | 97.4'    |        | 4,500  |          |          |        |          |        |
| 110'                                  | 30'  | 77.9  | 115.8' | *390,600 | 200'                                                                                                                                             | 150'   | 32.2     | 97.4'    | *37,700  |          | 270'    | 80'      | 71.5     | 226.1'   | 89,800   |        | 320'   | 60'      | 79.0     | 283.2' | *130,600 |        |
|                                       | 35'  | 75.3  | 114.5' | *321,200 |                                                                                                                                                  | 160'   | 24.9     | 78.5'    | *32,900  |          |         | 90'      | 68.8     | 222.4'   | 76,400   |        |        | 70'      | 76.9     | 281.0' | *107,600 |        |
|                                       | 40'  | 72.5  | 112.9' | *272,400 |                                                                                                                                                  | 170'   | 14.6     | 49.6'    | 30,400   |          |         | 100'     | 66.1     | 218.1'   | 66,000   |        |        | 80'      | 74.8     | 278.4' | 89,300   |        |
|                                       | 45'  | 69.8  | 111.1' | *235,800 |                                                                                                                                                  | 210'   | 40'      | 79.4     | 185.2'   |          |         | *239,100 | 110'     | 63.3     | 213.3'   |        |        | 57,600   | 90'      | 72.7   | 275.5'   | 75,900 |
|                                       | 50'  | 66.9  | 109.0' | *207,300 |                                                                                                                                                  |        | 45'      | 77.8     | 184.2'   |          |         | *204,100 | 120'     | 60.5     | 207.9'   |        |        | 50,600   | 100'     | 70.5   | 272.1'   | 65,500 |
|                                       | 60'  | 61.1  | 103.9' | 158,600  |                                                                                                                                                  |        | 50'      | 76.2     | 183.0'   |          |         | *177,900 | 130'     | 57.6     | 201.7'   |        |        | *44,900  | 110'     | 68.3   | 268.2'   | 57,100 |
|                                       | 70'  | 54.9  | 97.4'  | 125,400  |                                                                                                                                                  |        | 60'      | 72.9     | 180.1'   |          |         | *140,100 | 140'     | 54.6     | 194.9'   |        |        | *39,600  | 120'     | 66.1   | 264.0'   | 50,100 |
|                                       | 80'  | 48.1  | 89.1'  | 103,000  |                                                                                                                                                  |        | 70'      | 69.5     | 176.5'   | *114,400 |         | 150'     | 51.4     | 187.2'   | *34,900  | 130'   |        | 63.9     | 259.2'   | 44,400 |          |        |
|                                       | 90'  | 40.5  | 78.5'  | 86,600   |                                                                                                                                                  |        | 80'      | 66.0     | 172.3'   | 95,500   |         | 160'     | 48.1     | 178.6'   | *30,800  | 140'   |        | 61.5     | 254.0'   | 38,900 |          |        |
|                                       | 100' | 31.4  | 64.1'  | 74,200   |                                                                                                                                                  |        | 90'      | 62.5     | 167.3'   | 81,800   |         | 170'     | 44.7     | 168.9'   | *27,100  | 150'   |        | 59.2     | 248.2'   | 33,800 |          |        |
| 110'                                  | 18.5 | 41.5' | 64,400 | 100'     | 58.8                                                                                                                                             |        | 161.6'   | 70,800   | 180'     | 41.0     | 157.9'  | *23,900  | 160'     | 56.8     | 241.9'   | 29,400 |        |          |          |        |          |        |
| 120'                                  | 30'  | 79.0  | 126.0' | *389,000 | 220'                                                                                                                                             |        | 110'     | 55.0     | 154.9'   | 61,900   | 280'    | 200'     | 32.5     | 130.6'   | *18,400  | 330'   | 170'   | 54.3     | 234.9'   | 25,500 |          |        |
|                                       | 35'  | 76.5  | 124.8' | *319,200 |                                                                                                                                                  |        | 120'     | 50.9     | 147.1'   | 54,500   |         | 210'     | 27.5     | 113.0'   | *16,100  |        | 180'   | 51.7     | 227.2'   | 22,000 |          |        |
|                                       | 40'  | 74.0  | 123.4' | *270,100 |                                                                                                                                                  | 130'   | 46.7     | 138.2'   | 47,900   | 220'     |         | 21.3     | 90.4'    | *14,000  | 190'     |        | 49.0   | 218.8'   | 18,900   |        |          |        |
|                                       | 45'  | 71.5  | 121.8' | *233,200 |                                                                                                                                                  | 140'   | 42.1     | 127.7'   | 42,400   | 230'     |         | 12.5     | 56.4'    | 12,000   | 200'     |        | 46.2   | 209.6'   | 16,100   |        |          |        |
|                                       | 50'  | 69.0  | 119.9' | 204,600  |                                                                                                                                                  | 150'   | 37.0     | 115.3'   | 37,600   | 290'     |         | 50'      | 79.7     | 244.4'   | *171,000 |        | 210'   | 43.3     | 199.4'   | 13,500 |          |        |
|                                       | 60'  | 63.7  | 115.3' | 158,500  |                                                                                                                                                  | 160'   | 31.2     | 100.2'   | 32,800   |          |         | 60'      | 77.2     | 242.3'   | *133,600 |        | 220'   | 40.2     | 188.0'   | 11,200 |          |        |
|                                       | 70'  | 58.2  | 109.5' | 125,300  |                                                                                                                                                  | 170'   | 24.2     | 80.6'    | 30,300   |          |         | 70'      | 74.8     | 239.7'   | *108,000 |        | 230'   | 36.9     | 175.3'   | 9,100  |          |        |
|                                       | 80'  | 52.3  | 102.3' | 102,900  |                                                                                                                                                  | 180'   | 14.2     | 50.8'    | 27,400   |          |         | 80'      | 72.3     | 236.6'   | 89,700   |        | 240'   | 33.3     | 160.9'   | 7,100  |          |        |
|                                       | 90'  | 45.9  | 93.4'  | 86,500   |                                                                                                                                                  | 230'   | 45'      | 78.5     | 194.4'   |          |         | *202,000 | 90'      | 69.7     | 233.1'   |        | 76,300 | 250'     | 29.3     | 144.2' | 5,600    |        |
|                                       | 100' | 38.7  | 82.0'  | 74,100   |                                                                                                                                                  |        | 50'      | 76.9     | 193.3'   |          |         | *174,200 | 100'     | 64.5     | 224.5'   |        | 57,500 | 260'     | 24.8     | 124.3' | 4,400    |        |
| 110'                                  | 30.0 | 66.8' | 64,300 | 60'      | 73.8                                                                                                                                             |        | 190.5'   | *135,900 | 110'     |          | 61.8    | 219.3'   | 50,500   | 340'     | 60'      | 79.4   | 293.4' | *127,800 |          |        |          |        |
| 120'                                  | 17.6 | 43.0' | 56,400 | 70'      | 70.6                                                                                                                                             |        | 187.2'   | *110,400 | 120'     |          | 59.1    | 213.5'   | *44,800  |          | 70'      | 77.4   | 291.3' | *107,500 |          |        |          |        |
| 130'                                  | 30'  | 79.8  | 136.2' | *386,000 | 80'                                                                                                                                              |        | 67.4     | 183.2'   | 92,300   |          | 130'    | 56.2     | 207.1'   |          | *39,300  | 80'    | 75.4   | 288.8'   | 89,200   |        |          |        |
|                                       | 35'  | 77.6  | 135.1' | *315,400 | 90'                                                                                                                                              |        | 64.0     | 178.6'   | 78,800   |          | 140'    | 53.3     | 199.9'   |          | *34,200  | 90'    | 73.3   | 285.9'   | 75,800   |        |          |        |
|                                       | 40'  | 75.3  | 133.8' | *266,500 | 100'                                                                                                                                             |        | 60.6     | 173.2'   | 68,200   | 150'     | 50.2    | 191.9'   | *29,800  |          | 100'     | 71.2   | 282.7' | 65,400   |          |        |          |        |
|                                       | 45'  | 73.0  | 132.3' | *229,800 | 110'                                                                                                                                             |        | 57.1     | 167.0'   | 59,800   | 160'     | 47.0    | 183.0'   | *25,900  |          | 110'     | 69.1   | 279.0' | 57,000   |          |        |          |        |
|                                       | 50'  | 70.7  | 130.6' | 201,300  | 120'                                                                                                                                             |        | 53.4     | 159.9'   | 53,000   | 170'     | 43.7    | 172.9'   | *22,400  |          | 120'     | 67.0   | 274.9' | 50,000   |          |        |          |        |
|                                       | 60'  | 65.9  | 126.4' | 158,400  | 130'                                                                                                                                             |        | 49.5     | 151.8'   | *47,300  | 180'     | 40.0    | 161.6'   | *19,300  |          | 130'     | 64.8   | 270.3' | 44,300   |          |        |          |        |
|                                       | 70'  | 60.9  | 121.2' | 125,200  | 140'                                                                                                                                             | 45.3   | 142.4'   | 42,100   | 190'     | 36.1     | 148.6'  | *16,500  | 140'     |          | 62.6     | 265.3' | 38,800 |          |          |        |          |        |
|                                       | 80'  | 55.7  | 114.8' | 102,800  | 150'                                                                                                                                             | 40.9   | 131.5'   | 37,500   | 200'     | 26.9     | 115.3'  | *11,600  | 150'     |          | 60.4     | 259.8' | 33,700 |          |          |        |          |        |
|                                       | 90'  | 50.1  | 107.0' | 86,300   | 160'                                                                                                                                             | 35.9   | 118.6'   | 32,700   | 210'     | 31.8     | 133.5'  | *13,900  | 160'     | 58.1     | 253.8'   | 29,300 |        |          |          |        |          |        |
|                                       | 100' | 44.0  | 97.4'  | 73,800   | 170'                                                                                                                                             | 30.3   | 102.9'   | 29,900   | 220'     | 20.8     | 92.2'   | *9,500   | 170'     | 55.7     | 247.2'   | 25,400 |        |          |          |        |          |        |
| 140'                                  | 110' | 37.0  | 85.3'  | 63,900   | 240'                                                                                                                                             | 180'   | 23.5     |          |          |          |         |          |          |          |          |        |        |          |          |        |          |        |

MAXIMUM MAIN COUNTERWEIGHT 85,000 LBS.  
MAXIMUM BUMPER COUNTERWEIGHT 21,600 LBS.

| BOOM                   |      |      |        | CAPACITY | Capacities Below Apply to lbs — See Jib Data |          |                      |               |         |          |               |        |          |               |         |          |         |        |         |
|------------------------|------|------|--------|----------|----------------------------------------------|----------|----------------------|---------------|---------|----------|---------------|--------|----------|---------------|---------|----------|---------|--------|---------|
| L                      | R    | A    | H      |          | BOOM PLUS JIB                                |          | CAPACITY             | BOOM PLUS JIB |         | CAPACITY | BOOM PLUS JIB |        | CAPACITY | BOOM PLUS JIB |         | CAPACITY |         |        |         |
|                        |      |      |        | Length   | Radius                                       |          |                      | Length        | Radius  |          |               | Length |          | Radius        |         |          | Length  | Radius |         |
| 300'                   | 60'  | 79.8 | 303.6' | *124,800 | 340'<br>(300' + 40')                         | 80'      | *80,000              | 90'           | 72,200  | 90'      | *63,000       | 110'   | *31,000  | 110'          | *31,000 | 110'     | *31,000 |        |         |
|                        | 70'  | 77.8 | 301.5' | *105,500 |                                              | 90'      | 72,800               | 100'          | 60,800  | 100'     | 62,100        | 120'   | *31,000  | 120'          | *31,000 | 120'     | *31,000 |        |         |
|                        | 80'  | 75.9 | 299.1' | 89,100   |                                              | 100'     | 61,400               | 110'          | 51,800  | 110'     | 52,900        | 130'   | *31,000  | 130'          | *31,000 | 130'     | *31,000 |        |         |
|                        | 90'  | 73.9 | 296.4' | 75,700   |                                              | 110'     | 52,400               | 120'          | 44,500  | 120'     | 45,400        | 140'   | *31,000  | 140'          | *31,000 | 140'     | *31,000 |        |         |
|                        | 100' | 71.9 | 293.2' | 65,300   |                                              | 120'     | 45,100               | 130'          | 38,400  | 130'     | 39,200        | 150'   | *31,000  | 150'          | *31,000 | 150'     | *31,000 |        |         |
|                        | 110' | 69.9 | 289.7' | 56,900   |                                              | 130'     | 39,100               | 140'          | 33,300  | 140'     | 34,000        | 160'   | 29,300   | 160'          | 29,300  | 160'     | 29,300  |        |         |
|                        | 120' | 67.8 | 285.7' | 49,900   |                                              | 140'     | 34,000               | 150'          | 28,900  | 150'     | 29,500        | 170'   | 25,800   | 170'          | 25,800  | 170'     | 25,800  |        |         |
|                        | 130' | 65.7 | 281.4' | * 44,200 |                                              | 150'     | 29,700               | 160'          | 25,700  | 160'     | 25,700        | 180'   | 22,700   | 180'          | 22,700  | 180'     | 22,700  |        |         |
|                        | 140' | 63.6 | 276.6' | * 38,700 |                                              | 160'     | 25,900               | 170'          | 21,900  | 170'     | 22,300        | 190'   | 20,000   | 190'          | 20,000  | 190'     | 20,000  |        |         |
|                        | 150' | 61.4 | 271.3' | * 33,600 |                                              | 170'     | 22,600               | 180'          | 19,000  | 180'     | 19,400        | 200'   | 17,600   | 200'          | 17,600  | 200'     | 17,600  |        |         |
|                        | 160' | 59.2 | 265.5' | * 29,200 |                                              | 180'     | 19,800               | 190'          | 16,500  | 190'     | 16,800        | 210'   | 15,400   | 210'          | 15,400  | 210'     | 15,400  |        |         |
|                        | 170' | 57.0 | 259.2' | * 25,300 |                                              | 190'     | 17,200               | 200'          | 14,200  | 200'     | 14,500        | 220'   | 13,400   | 220'          | 13,400  | 220'     | 13,400  |        |         |
| Midpoint Location 160' | 180' | 54.7 | 252.3' | * 21,800 | Midpoint Location 160'                       | 200'     | 15,000               | 210'          | 12,100  | 210'     | 12,400        | 230'   | 11,600   | 230'          | 11,600  | 230'     | 11,600  |        |         |
|                        | 190' | 52.3 | 244.8' | * 18,700 |                                              | 210'     | 12,900               | 220'          | 10,300  | 220'     | 10,500        | 240'   | 10,000   | 240'          | 10,000  | 240'     | 10,000  |        |         |
|                        | 200' | 49.8 | 236.6' | * 15,900 |                                              | 220'     | 11,100               | 230'          | 8,400   | 230'     | 8,600         | 250'   | 8,400    | 250'          | 8,400   | 250'     | 8,400   |        |         |
|                        | 210' | 47.2 | 227.7' | * 13,300 |                                              | 230'     | 9,300                | 240'          | 6,700   | 240'     | 6,800         | 260'   | 6,900    | 260'          | 6,900   | 260'     | 6,900   |        |         |
|                        | 220' | 44.6 | 217.9' | * 11,000 |                                              | 240'     | 7,600                | 250'          | 5,100   | 250'     | 5,200         |        |          |               |         |          |         |        |         |
|                        | 230' | 41.8 | 207.1' | * 8,900  |                                              |          |                      |               |         |          |               |        |          |               |         |          |         |        |         |
|                        | 240' | 38.8 | 195.2' | * 6,900  |                                              |          |                      |               |         |          |               |        |          |               |         |          |         |        |         |
|                        | 250' | 35.6 | 181.8' | * 5,400  |                                              |          |                      |               |         |          |               |        |          |               |         |          |         |        |         |
|                        | 260' | 32.1 | 166.7' | * 4,200  |                                              |          |                      |               |         |          |               |        |          |               |         |          |         |        |         |
|                        | 310' | 70'  | 78.2   | 311.8'   |                                              | *102,800 | 350'<br>(310' + 40') | 80'           | *80,000 | 90'      | 72,200        | 90'    | *63,000  | 110'          | *31,000 | 110'     | *31,000 | 110'   | *31,000 |
|                        |      | 80'  | 76.3   | 309.5'   |                                              | * 87,900 |                      | 90'           | 72,800  | 100'     | 60,700        | 100'   | *40,000  | 120'          | *27,000 | 120'     | *27,000 | 120'   | *27,000 |
|                        |      | 90'  | 74.4   | 306.8'   |                                              | 75,600   |                      | 100'          | 61,300  | 110'     | 51,700        | 110'   | *40,000  | 130'          | *27,000 | 130'     | *27,000 | 130'   | *27,000 |
| 100'                   |      | 72.5 | 303.7' | 65,200   | 110'                                         | 52,300   |                      | 120'          | 44,300  | 120'     | *40,000       | 140'   | *27,000  | 140'          | *27,000 | 140'     | *27,000 |        |         |
| 110'                   |      | 70.5 | 300.3' | 56,800   | 120'                                         | 45,000   |                      | 130'          | 38,200  | 130'     | 39,200        | 150'   | *27,000  | 150'          | *27,000 | 150'     | *27,000 |        |         |
| 120'                   |      | 68.6 | 296.5' | 49,800   | 130'                                         | 39,000   |                      | 140'          | 33,100  | 140'     | 35,900        | 160'   | 26,100   | 160'          | 26,100  | 160'     | 26,100  |        |         |
| 130'                   |      | 66.6 | 292.3' | * 44,100 | 140'                                         | 33,900   |                      | 150'          | 28,800  | 150'     | 31,300        | 170'   | 26,100   | 170'          | 26,100  | 170'     | 26,100  |        |         |
| 140'                   |      | 64.5 | 287.7' | * 38,600 | 150'                                         | 29,500   |                      | 160'          | 25,000  | 160'     | 27,400        | 180'   | 22,600   | 180'          | 22,600  | 180'     | 22,600  |        |         |
| 150'                   |      | 62.4 | 282.7' | * 33,500 | 160'                                         | 25,800   |                      | 170'          | 21,700  | 170'     | 24,000        | 190'   | 20,300   | 190'          | 20,300  | 190'     | 20,300  |        |         |
| 160'                   |      | 60.3 | 277.1' | * 29,100 | 170'                                         | 22,500   |                      | 180'          | 18,800  | 180'     | 21,000        | 200'   | 17,800   | 200'          | 17,800  | 200'     | 17,800  |        |         |
| 170'                   |      | 58.2 | 271.1' | * 25,200 | 180'                                         | 19,700   |                      | 190'          | 16,200  | 190'     | 18,300        | 210'   | 15,600   | 210'          | 15,600  | 210'     | 15,600  |        |         |
| 180'                   |      | 56.0 | 264.5' | * 21,700 | 190'                                         | 17,100   |                      | 200'          | 13,900  | 200'     | 15,900        | 220'   | 13,600   | 220'          | 13,600  | 220'     | 13,600  |        |         |
| Midpoint Sag 17"       | 190' | 53.7 | 257.4' | * 18,600 | Midpoint Sag 17"                             | 200'     | 14,800               | 210'          | 11,900  | 210'     | 13,800        | 230'   | 11,800   | 230'          | 11,800  | 230'     | 11,800  |        |         |
|                        | 200' | 51.4 | 249.7' | * 15,800 |                                              | 210'     | 12,800               | 220'          | 10,000  | 220'     | 11,800        | 240'   | 10,200   | 240'          | 10,200  | 240'     | 10,200  |        |         |
|                        | 210' | 48.9 | 241.2' | * 13,200 |                                              | 220'     | 11,000               | 230'          | 8,100   | 230'     | 10,100        | 250'   | 8,600    | 250'          | 8,600   | 250'     | 8,600   |        |         |
|                        | 220' | 46.4 | 232.0' | * 10,900 |                                              | 230'     | 9,200                | 240'          | 6,400   | 240'     | 8,300         | 260'   | 7,100    | 260'          | 7,100   | 260'     | 7,100   |        |         |
|                        | 230' | 43.8 | 221.9' | * 8,800  |                                              | 240'     | 7,500                | 250'          | 5,900   | 250'     | 6,700         | 270'   | 5,600    | 270'          | 5,600   | 270'     | 5,600   |        |         |
|                        | 240' | 41.0 | 210.8' | * 6,800  |                                              | 250'     | 6,400                | 260'          | 4,800   | 260'     | 6,800         | 280'   | 4,300    | 280'          | 4,300   | 280'     | 4,300   |        |         |
|                        | 250' | 38.1 | 198.6' | * 5,300  |                                              | 260'     | 4,400                |               |         |          |               |        |          |               |         |          |         |        |         |





| TUBULAR BOOM<br>272 METRIC TON CLASS 5.5 — 1111 |      |      |      |          |                               |      |      |      |          | CRANE LIFTING CAPACITIES<br>MACHINE EQUIPPED WITH STANDARD OUTRIGGERS, AUXILIARY<br>OUTRIGGERS (SIDE, FRONT, AND REAR), AND BUMPER COUNTERWEIGHT |      |      |      |          |                               |      |      |      |          |
|-------------------------------------------------|------|------|------|----------|-------------------------------|------|------|------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|----------|-------------------------------|------|------|------|----------|
| BOOM                                            |      |      |      | CAPACITY | BOOM                          |      |      |      | CAPACITY | BOOM                                                                                                                                             |      |      |      | CAPACITY | BOOM                          |      |      |      | CAPACITY |
| L                                               | R    | A    | H    |          | L                             | R    | A    | H    |          | L                                                                                                                                                | R    | A    | H    |          | L                             | R    | A    | H    |          |
| 21.3M                                           | 5.5  | 81.0 | 23.6 | *272,160 | 45.7M                         | 10.7 | 79.2 | 47.4 | *135,990 | 64.0M                                                                                                                                            | 13.7 | 79.6 | 65.4 | *91,530  | 79.2M                         | 18.3 | 78.2 | 80.0 | *60,510  |
|                                                 | 6    | 79.6 | 23.5 | *240,700 |                               | 11   | 78.8 | 47.3 | *131,580 |                                                                                                                                                  | 15   | 78.4 | 65.2 | *80,600  |                               | 20   | 76.9 | 79.6 | *53,510  |
|                                                 | 8    | 74.1 | 22.9 | *207,420 |                               | 12   | 77.5 | 47.1 | *118,300 |                                                                                                                                                  | 18   | 75.6 | 64.4 | *62,420  |                               | 23   | 74.7 | 78.9 | *44,020  |
|                                                 | 9    | 71.2 | 22.6 | *181,170 |                               | 13   | 76.2 | 46.9 | *107,530 |                                                                                                                                                  | 21   | 72.8 | 63.6 | *50,400  |                               | 26   | 72.4 | 77.9 | *37,150  |
|                                                 | 11   | 65.4 | 21.7 | *144,660 |                               | 14   | 74.9 | 46.6 | *97,960  |                                                                                                                                                  | 24   | 70.0 | 62.5 | *41,860  |                               | 29   | 70.1 | 76.9 | *31,950  |
|                                                 | 13   | 59.2 | 20.6 | *119,150 |                               | 15   | 73.6 | 46.3 | *89,960  |                                                                                                                                                  | 27   | 67.1 | 61.3 | *35,610  |                               | 32   | 67.8 | 75.7 | *27,800  |
|                                                 | 15   | 52.6 | 19.1 | *97,340  |                               | 18   | 69.7 | 45.2 | *71,690  |                                                                                                                                                  | 30   | 64.1 | 59.9 | *30,770  |                               | 35   | 65.4 | 74.4 | *24,380  |
|                                                 | 18   | 41.2 | 16.2 | *74,260  |                               | 21   | 65.6 | 44.0 | *58,160  |                                                                                                                                                  | 33   | 61.1 | 58.3 | *26,880  |                               | 38   | 63.0 | 72.9 | *21,560  |
|                                                 | 21   | 25.9 | 11.3 | *58,720  |                               | 24   | 61.3 | 42.4 | *47,820  |                                                                                                                                                  | 36   | 58.0 | 56.5 | *23,640  |                               | 41   | 60.5 | 71.3 | *19,080  |
|                                                 | 21.3 | 23.6 | 10.5 | *57,060  |                               | 27   | 56.9 | 40.6 | *40,110  |                                                                                                                                                  | 39   | 54.7 | 54.5 | *20,980  |                               | 44   | 58.0 | 69.5 | *16,690  |
| 24.4M                                           | 7.6  | 77.0 | 26.2 | *217,770 | 45.7M                         | 30   | 52.3 | 38.4 | *34,230  | Midpoint<br>Location<br>33.5M                                                                                                                    | 42   | 51.3 | 52.2 | *18,720  | Midpoint<br>Location<br>42.7M | 47   | 55.4 | 67.5 | *14,550  |
|                                                 | 9    | 73.7 | 25.8 | *181,130 |                               | 33   | 47.3 | 35.8 | *29,620  |                                                                                                                                                  | 45   | 47.8 | 49.6 | *16,770  |                               | 50   | 52.7 | 65.3 | *12,690  |
|                                                 | 11   | 68.6 | 25.1 | *144,350 |                               | 36   | 41.8 | 32.6 | *25,900  |                                                                                                                                                  | 48   | 44.0 | 46.6 | *15,110  |                               | 53   | 49.9 | 62.8 | *11,020  |
|                                                 | 13   | 63.4 | 24.1 | *119,080 |                               | 39   | 35.7 | 28.8 | *22,870  |                                                                                                                                                  | 51   | 39.9 | 43.2 | *13,560  |                               | 56   | 47.0 | 60.1 | *9,520   |
|                                                 | 15   | 58.0 | 22.9 | *97,300  |                               | 42   | 28.5 | 23.9 | *20,320  |                                                                                                                                                  | 54   | 35.5 | 39.2 | *12,140  |                               | 59   | 43.9 | 57.1 | *8,190   |
|                                                 | 18   | 49.0 | 20.6 | *74,220  |                               | 45   | 18.8 | 16.8 | *18,180  |                                                                                                                                                  | 57   | 30.5 | 34.5 | *10,880  |                               | 62   | 40.7 | 53.8 | *6,970   |
|                                                 | 21   | 38.5 | 17.3 | *58,680  |                               | 45.7 | 15.6 | 14.3 | *17,690  |                                                                                                                                                  | 60   | 24.5 | 28.6 | *9,770   |                               | 65   | 37.2 | 50.0 | *5,850   |
|                                                 | 24   | 24.4 | 12.1 | *48,140  |                               |      |      |      |          |                                                                                                                                                  | 63   | 16.7 | 20.4 | *8,760   |                               | 68   | 33.4 | 45.7 | *4,860   |
|                                                 | 24.4 | 21.9 | 11.1 | *46,860  |                               |      |      |      |          |                                                                                                                                                  | 64   | 13.1 | 16.5 | *8,440   |                               | 71   | 29.2 | 40.7 | *3,940   |
|                                                 |      |      |      |          |                               |      |      |      |          |                                                                                                                                                  |      |      |      |          |                               | 74   | 24.3 | 34.6 | *3,100   |
| 27.4M                                           | 7.6  | 78.5 | 29.3 | *217,450 | 48.8M                         | 10.7 | 79.9 | 50.5 | *130,270 | 67.1M                                                                                                                                            | 15.2 | 78.7 | 68.2 | *78,520  | 82.3M                         | 18.3 | 78.6 | 83.1 | *60,330  |
|                                                 | 9    | 75.5 | 29.0 | *181,050 |                               | 11   | 79.5 | 50.4 | *126,340 |                                                                                                                                                  | 16   | 78.1 | 68.1 | *74,070  |                               | 20   | 77.4 | 82.8 | *53,430  |
|                                                 | 11   | 71.1 | 28.3 | *142,840 |                               | 12   | 78.3 | 50.2 | *114,520 |                                                                                                                                                  | 19   | 75.4 | 67.3 | *67,970  |                               | 23   | 75.3 | 82.0 | *43,980  |
|                                                 | 13   | 66.6 | 27.5 | *117,660 |                               | 13   | 77.1 | 50.0 | *104,680 |                                                                                                                                                  | 22   | 72.7 | 66.4 | *62,270  |                               | 26   | 73.1 | 81.1 | *37,100  |
|                                                 | 15   | 61.9 | 26.5 | *97,100  |                               | 14   | 75.9 | 49.7 | *95,830  |                                                                                                                                                  | 25   | 70.0 | 65.4 | *57,550  |                               | 29   | 70.9 | 80.1 | *31,900  |
|                                                 | 18   | 54.4 | 24.5 | *74,170  |                               | 15   | 74.7 | 49.5 | *88,260  |                                                                                                                                                  | 28   | 67.3 | 64.2 | *53,820  |                               | 32   | 68.7 | 79.0 | *27,760  |
|                                                 | 21   | 46.1 | 21.9 | *58,630  |                               | 18   | 71.0 | 48.5 | *78,020  |                                                                                                                                                  | 31   | 64.4 | 62.8 | *49,330  |                               | 35   | 66.4 | 77.2 | *24,330  |
|                                                 | 24   | 36.3 | 18.3 | *48,090  |                               | 21   | 67.2 | 47.3 | *70,760  |                                                                                                                                                  | 34   | 61.6 | 61.3 | *45,670  |                               | 38   | 64.1 | 76.3 | *21,510  |
|                                                 | 27   | 23.1 | 12.8 | *40,420  |                               | 24   | 63.3 | 45.9 | *64,020  |                                                                                                                                                  | 37   | 58.6 | 59.5 | *42,640  |                               | 41   | 61.7 | 74.8 | *19,030  |
|                                                 | 27.4 | 20.6 | 11.6 | *39,370  |                               | 27   | 59.2 | 44.2 | *58,020  |                                                                                                                                                  | 40   | 55.5 | 57.5 | *40,130  |                               | 44   | 59.3 | 73.1 | *16,650  |
| 30.5M                                           | 7.6  | 79.7 | 32.5 | *217,410 | 51.8M                         | 30   | 55.0 | 39.8 | *50,510  | Midpoint<br>Location<br>33.5M                                                                                                                    | 43   | 52.3 | 55.3 | *17,970  | Midpoint<br>Location<br>48.8M | 47   | 56.8 | 71.2 | *14,500  |
|                                                 | 9    | 77.0 | 32.1 | *181,010 |                               | 33   | 45.7 | 37.1 | *45,810  |                                                                                                                                                  | 46   | 49.0 | 52.8 | *16,030  |                               | 50   | 54.3 | 69.1 | *12,640  |
|                                                 | 11   | 73.1 | 31.6 | *141,020 |                               | 36   | 40.5 | 33.8 | *42,780  |                                                                                                                                                  | 49   | 45.4 | 50.0 | *14,350  |                               | 53   | 51.7 | 66.8 | *10,970  |
|                                                 | 13   | 69.1 | 30.8 | *115,490 |                               | 39   | 34.6 | 29.8 | *40,160  |                                                                                                                                                  | 52   | 41.7 | 46.7 | *12,840  |                               | 56   | 48.9 | 64.3 | *9,470   |
|                                                 | 15   | 65.0 | 29.9 | *96,730  |                               | 42   | 27.7 | 24.7 | *37,720  |                                                                                                                                                  | 55   | 37.6 | 43.1 | *11,510  |                               | 59   | 46.1 | 61.5 | *8,150   |
|                                                 | 18   | 58.5 | 28.2 | *74,130  |                               | 45   | 18.4 | 17.4 | *35,150  |                                                                                                                                                  | 58   | 33.1 | 38.8 | *10,350  |                               | 62   | 43.1 | 58.4 | *6,930   |
|                                                 | 21   | 51.5 | 26.0 | *58,590  |                               | 48.8 | 15.1 | 14.7 | *34,970  |                                                                                                                                                  | 61   | 28.0 | 33.6 | *9,280   |                               | 65   | 39.9 | 54.9 | *5,810   |
|                                                 | 24   | 43.7 | 23.2 | *48,050  |                               |      |      |      |          |                                                                                                                                                  | 64   | 21.8 | 27.0 | *8,350   |                               | 68   | 36.5 | 51.1 | *4,820   |
|                                                 | 27   | 34.5 | 19.3 | *40,380  |                               |      |      |      |          |                                                                                                                                                  | 67   | 13.0 | 17.1 | *7,450   |                               | 71   | 32.8 | 46.7 | *3,890   |
|                                                 | 30.5 | 19.4 | 12.1 | *33,790  |                               |      |      |      |          |                                                                                                                                                  | 70.1 | 12.5 | 17.1 | *7,440   |                               | 74   | 28.7 | 41.6 | *3,060   |
| 33.5M                                           | 9.1  | 77.9 | 35.2 | *177,170 | Midpoint<br>Location<br>33.5M | 12.2 | 78.8 | 53.3 | *109,180 | 70.1M                                                                                                                                            | 15.2 | 79.2 | 71.3 | *78,470  | 85.3M                         | 18.3 | 79.0 | 86.3 | *59,240  |
|                                                 | 11   | 74.7 | 34.8 | *140,860 |                               | 13   | 77.9 | 53.1 | *101,310 |                                                                                                                                                  | 16   | 78.6 | 71.2 | *74,020  |                               | 20   | 77.9 | 85.9 | *53,120  |
|                                                 | 13   | 71.1 | 34.1 | *114,750 |                               | 14   | 76.8 | 52.9 | *92,180  |                                                                                                                                                  | 19   | 76.1 | 70.5 | *69,930  |                               | 23   | 75.8 | 85.2 | *44,000  |
|                                                 | 15   | 67.4 | 33.3 | *96,060  |                               | 15   | 75.6 | 52.6 | *84,560  |                                                                                                                                                  | 22   | 73.5 | 69.6 | *67,220  |                               | 26   | 73.7 | 84.3 | *37,060  |
|                                                 | 18   | 61.7 | 31.8 | *74,020  |                               | 18   | 72.1 | 51.7 | *67,330  |                                                                                                                                                  | 25   | 70.9 | 68.7 | *62,500  |                               | 29   | 71.6 | 83.4 | *31,860  |
|                                                 | 21   | 55.6 | 29.9 | *58,540  |                               | 21   | 68.6 | 50.6 | *55,190  |                                                                                                                                                  | 28   | 68.3 | 67.5 | *58,770  |                               | 32   | 69.5 | 82.3 | *27,710  |
|                                                 | 24   | 49.0 | 27.5 | *48,000  |                               | 24   | 65.0 | 49.3 | *46,270  |                                                                                                                                                  | 31   | 65.6 | 66.2 | *54,990  |                               | 35   | 67.3 | 81.1 | *24,280  |
|                                                 | 27   | 41.6 | 24.4 | *40,330  |                               | 27   | 61.2 | 47.7 | *39,450  |                                                                                                                                                  | 34   | 62.9 | 64.7 | *51,330  |                               | 38   | 65.1 | 79.7 | *21,470  |
|                                                 | 30   | 33.0 | 20.3 | *34,540  |                               | 30   | 57.4 | 45.9 | *33,770  |                                                                                                                                                  | 37   | 60.1 | 63.1 | *48,070  |                               | 41   | 62.8 | 78.2 | *18,990  |
|                                                 | 33.5 | 18.5 | 12.6 | *29,210  |                               | 33   | 53.3 | 43.8 | *29,160  |                                                                                                                                                  | 40   | 57.2 | 61.2 | *45,070  |                               | 44   | 60.5 | 76.6 | *16,600  |
| 36.6M                                           | 9.1  | 79.0 | 38.4 | *176,450 | Midpoint<br>Location<br>33.5M | 12.2 | 79.4 | 56.4 | *108,450 | Midpoint<br>Location<br>33.5M                                                                                                                    | 15.2 | 79.7 | 74.5 | *77,560  | Midpoint<br>Location<br>48.8M | 18.3 | 79.4 | 89.4 | *59,970  |
|                                                 | 11   | 76.0 | 37.9 | *139,930 |                               | 13   | 78.6 | 56.2 | *100,030 |                                                                                                                                                  | 16   | 79.1 | 74.3 | *73,330  |                               | 20   | 78.3 | 89.0 | *52,760  |
|                                                 | 13   | 72.7 | 37.3 | *113,640 |                               | 14   | 77.5 | 56.0 | *90,360  |                                                                                                                                                  | 19   | 76.7 | 73.6 | *69,880  |                               | 23   | 76.3 | 88.3 | *44,030  |
|                                                 | 15   | 69.4 | 36.6 | *94,840  |                               | 15   | 76.4 | 55.8 | *82,560  |                                                                                                                                                  | 22   | 74.2 | 72.8 | *67,180  |                               | 26   | 74.3 | 87.5 | *37,010  |
|                                                 | 18   | 64.2 | 35.3 | *73,860  |                               | 18   | 73.2 | 54.9 | *65,170  |                                                                                                                                                  | 25   | 71.8 | 71.9 | *64,460  |                               | 29   | 72.2 | 86.6 | *31,810  |
|                                                 | 21   | 58.8 | 33.6 | *58,490  |                               | 21   | 69.9 | 53.9 | *53,170  |                                                                                                                                                  | 28   | 69.3 | 70.8 | *61,730  |                               | 32   | 70.2 | 85.5 | *27,660  |
|                                                 | 24   | 53.1 | 31.5 | *47,950  |                               | 24   | 66.5 | 52.6 | *44,400  |                                                                                                                                                  | 31   | 66.7 | 69.5 | *58,240  |                               | 35   | 68.1 | 84.4 | *24,240  |
|                                                 | 27   | 46.8 | 28.8 | *40,290  |                               | 27   | 63.0 | 51.2 | *37,980  |                                                                                                                                                  | 34   | 64.1 | 68.1 | *55,010  |                               | 38   | 66.0 | 83.1 | *21,420  |
|                                                 | 30   | 39.9 | 25.6 | *34,490  |                               | 30   | 59.4 | 49.5 | *32,890  |                                                                                                                                                  | 37   | 61.5 | 66.6 | *52,550  |                               | 41   | 63.8 | 81.7 | *18,940  |
|                                                 | 33   | 31.6 | 21.2 | *29,930  |                               | 33   | 55.6 | 47.5 | *28,770  |                                                                                                                                                  | 40   | 58.7 | 64.8 | *50,010  |                               | 44   | 61.6 | 80.1 | *16,560  |
| 39.6M                                           | 9.1  | 79.8 | 41.5 | *175,090 | Midpoint<br>Location<br>33.5M | 12.2 | 79.4 | 56.4 | *108,450 | Midpoint<br>Location<br>33.5M                                                                                                                    | 15.2 | 79.7 | 74.5 | *77,560  | Midpoint<br>Location<br>48.8M | 18.3 | 79.4 | 89.4 | *59,970  |
|                                                 | 11   | 77.1 | 41.1 | *138,220 |                               | 13   | 78.6 | 56.2 | *100,030 |                                                                                                                                                  | 16   | 79.1 | 74.3 | *73,330  |                               | 20   | 78.3 | 89.0 | *52,760  |
|                                                 | 13   | 74.1 | 40.5 | *112,050 |                               | 14   | 77.5 | 56.0 | *90,360  |                                                                                                                                                  | 19   | 76.7 | 73.6 | *69,880  |                               | 23   | 76.3 | 8    |          |

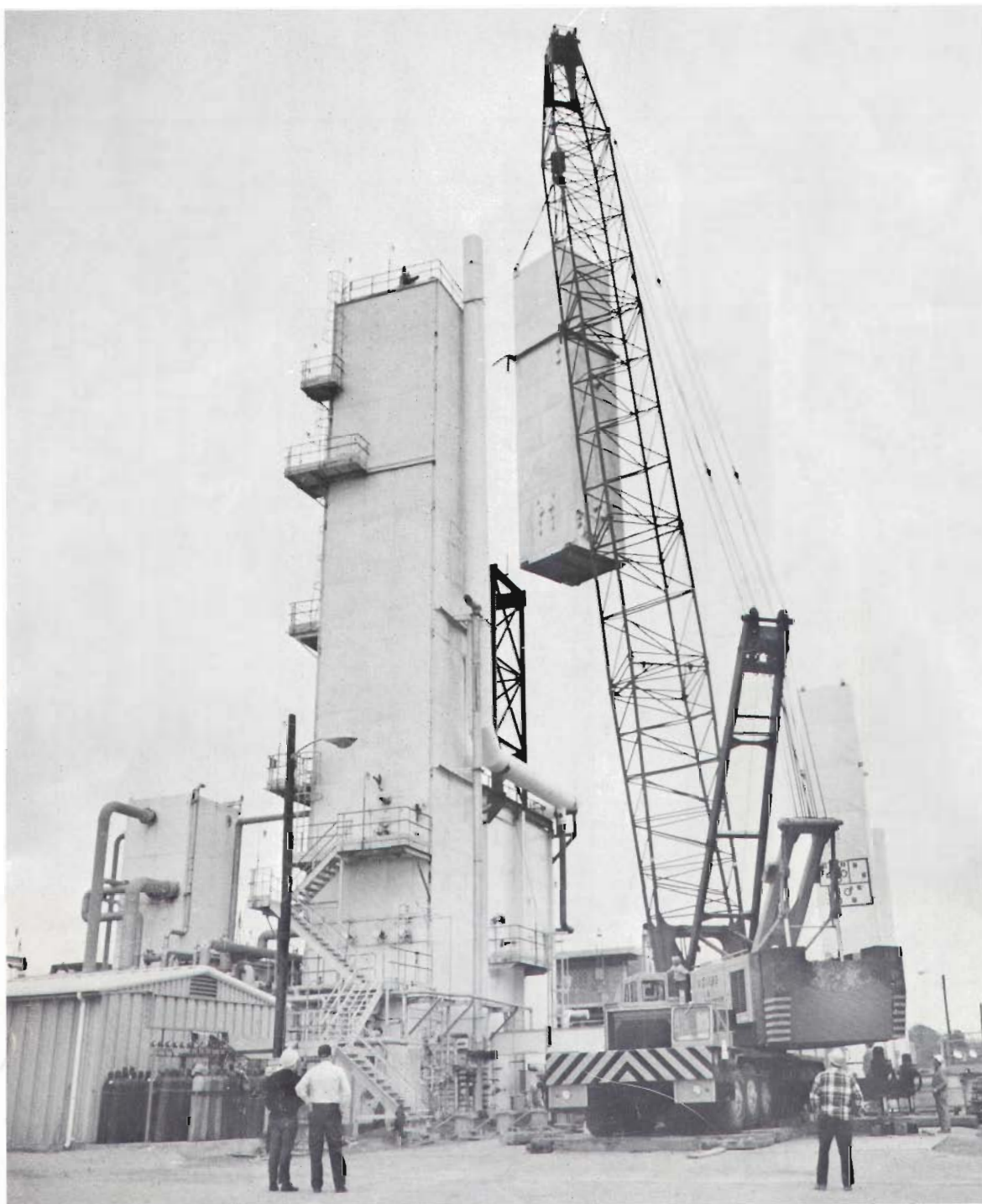


MAXIMUM MAIN COUNTERWEIGHT  
MAXIMUM BUMPER COUNTERWEIGHT

— 38,556Kg.  
— 9,798Kg.

| BOOM                                                                 |      |      |       | CAPACITY | CAPACITIES BELOW APPLY TO JIBS — SEE JIB DATA                                              |        |          |                                                                                             |          |                                                                      |                                                                                             |        |          |                                                                                            |                                                                      |          |      |          |          |
|----------------------------------------------------------------------|------|------|-------|----------|--------------------------------------------------------------------------------------------|--------|----------|---------------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------|----------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------|------|----------|----------|
| L                                                                    | R    | A    | H     |          | BOOM PLUS JIB                                                                              |        |          | BOOM PLUS JIB                                                                               |          |                                                                      | BOOM PLUS JIB                                                                               |        |          | BOOM PLUS JIB                                                                              |                                                                      |          |      |          |          |
|                                                                      |      |      |       |          | Length                                                                                     | Radius | CAPACITY | Length                                                                                      | Radius   | CAPACITY                                                             | Length                                                                                      | Radius | CAPACITY | Length                                                                                     | Radius                                                               | CAPACITY |      |          |          |
| 91.4M<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm  | 18.3 | 79.8 | 92.5  | * 56,610 | 103.6M<br>(91.4M +<br>12.2M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 24.4   | * 36,200 | 109.7M<br>(97.5M +<br>12.2M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm  | 27.4     | 32,700                                                               | 115.8M<br>(100.6M +<br>15.2M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 27.4   | * 28,500 | 121.9M<br>(95.5M +<br>27.4M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 33.5                                                                 | * 14,000 |      |          |          |
|                                                                      | 20   | 78.7 | 92.1  | * 51,520 |                                                                                            | 26     | 34,900   |                                                                                             | 29       | 29,900                                                               |                                                                                             | 29     | * 28,300 |                                                                                            | 35                                                                   | * 14,000 |      |          |          |
|                                                                      | 23   | 76.8 | 91.5  | 43,620   |                                                                                            | 26     | 34,900   |                                                                                             | 29       | 29,900                                                               |                                                                                             | 29     | * 28,300 |                                                                                            | 35                                                                   | * 14,000 |      |          |          |
|                                                                      | 26   | 74.8 | 90.7  | 37,020   |                                                                                            | 29     | 30,400   |                                                                                             | 32       | 25,400                                                               |                                                                                             | 32     | 26,200   |                                                                                            | 38                                                                   | * 14,000 |      |          |          |
|                                                                      | 29   | 72.9 | 89.8  | 31,770   |                                                                                            | 32     | 25,600   |                                                                                             | 35       | 21,800                                                               |                                                                                             | 35     | 22,200   |                                                                                            | 41                                                                   | * 14,000 |      |          |          |
|                                                                      | 32   | 70.9 | 88.8  | 27,620   |                                                                                            | 35     | 22,000   |                                                                                             | 38       | 18,800                                                               |                                                                                             | 38     | 19,200   |                                                                                            | 44                                                                   | * 14,000 |      |          |          |
|                                                                      | 35   | 68.9 | 87.7  | 24,190   |                                                                                            | 38     | 19,100   |                                                                                             | 41       | 16,300                                                               |                                                                                             | 41     | 16,600   |                                                                                            | 47                                                                   | 13,800   |      |          |          |
|                                                                      | 38   | 66.8 | 86.4  | 21,380   |                                                                                            | 41     | 16,600   |                                                                                             | 44       | 14,100                                                               |                                                                                             | 44     | 14,400   |                                                                                            | 50                                                                   | 12,600   |      |          |          |
|                                                                      | 41   | 64.8 | 85.0  | 18,900   |                                                                                            | 44     | 14,500   |                                                                                             | 47       | 12,400                                                               |                                                                                             | 47     | 12,600   |                                                                                            | 53                                                                   | 11,100   |      |          |          |
|                                                                      | 44   | 62.7 | 83.5  | 16,510   |                                                                                            | 47     | 12,700   |                                                                                             | 50       | 10,900                                                               |                                                                                             | 50     | 11,000   |                                                                                            | 56                                                                   | 9,800    |      |          |          |
|                                                                      | 47   | 60.5 | 81.9  | 14,360   |                                                                                            | 50     | 11,100   |                                                                                             | 53       | 9,300                                                                |                                                                                             | 53     | 9,500    |                                                                                            | 59                                                                   | 8,600    |      |          |          |
|                                                                      | 50   | 58.3 | 80.1  | 12,500   |                                                                                            | 53     | 9,700    |                                                                                             | 56       | 8,100                                                                |                                                                                             | 56     | 8,300    |                                                                                            | 62                                                                   | 7,600    |      |          |          |
|                                                                      | 53   | 56.1 | 78.1  | 10,840   |                                                                                            | 56     | 8,500    |                                                                                             | 59       | 7,000                                                                |                                                                                             | 59     | 7,200    |                                                                                            | 65                                                                   | 6,600    |      |          |          |
|                                                                      | 56   | 53.8 | 76.0  | 9,340    |                                                                                            | 59     | 7,400    |                                                                                             | 62       | 6,100                                                                |                                                                                             | 62     | 6,200    |                                                                                            | 68                                                                   | 5,800    |      |          |          |
|                                                                      | 59   | 51.4 | 73.7  | 8,010    |                                                                                            | 62     | 6,400    |                                                                                             | 65       | 5,200                                                                |                                                                                             | 65     | 5,300    |                                                                                            | 71                                                                   | 5,000    |      |          |          |
| 94.5M<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm  | 62   | 48.9 | 71.2  | * 6,790  | 106.7M<br>(94.5M +<br>12.2M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 65     | 5,500    | 112.8M<br>(100.6M +<br>12.2M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 68       | 4,700                                                                | 118.8M<br>(97.5M +<br>21.3M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm  | 68     | 4,400    | 125.0M<br>(94.5M +<br>30.5M)<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 74                                                                   | 4,300    |      |          |          |
|                                                                      | 65   | 46.4 | 68.4  | * 5,670  |                                                                                            | 68     | 4,700    |                                                                                             | 71       | 3,900                                                                |                                                                                             | 71     | 3,600    |                                                                                            | 77                                                                   | 3,600    |      |          |          |
|                                                                      | 68   | 43.7 | 65.4  | * 4,680  |                                                                                            | 71     | 3,900    |                                                                                             | 74       | 2,800                                                                |                                                                                             | 74     | 2,800    |                                                                                            | 79.2                                                                 | 3,100    |      |          |          |
|                                                                      | 71   | 40.9 | 62.0  | * 3,760  |                                                                                            | 74     | 3,200    |                                                                                             | 76.2     | 2,300                                                                |                                                                                             | 76.2   | 2,300    |                                                                                            |                                                                      |          |      |          |          |
|                                                                      | 74   | 37.9 | 58.3  | * 2,920  |                                                                                            | 77     | 2,500    |                                                                                             |          |                                                                      |                                                                                             |        |          |                                                                                            |                                                                      |          |      |          |          |
|                                                                      | 77   | 34.7 | 54.2  | * 2,290  |                                                                                            | 79.2   | 2,000    |                                                                                             |          |                                                                      |                                                                                             |        |          |                                                                                            |                                                                      |          |      |          |          |
|                                                                      | 79.2 | 32.1 | 50.7  | * 1,910  |                                                                                            |        |          |                                                                                             |          |                                                                      |                                                                                             |        |          |                                                                                            |                                                                      |          |      |          |          |
|                                                                      | 21.3 | 78.2 | 95.0  | * 46,630 |                                                                                            | 24.4   | * 36,200 |                                                                                             | 27.4     | 32,700                                                               |                                                                                             | 30.5   | * 18,100 |                                                                                            | 33.5                                                                 | * 12,200 |      |          |          |
|                                                                      | 23   | 77.2 | 94.6  | * 42,770 |                                                                                            | 26     | 34,900   |                                                                                             | 29       | 29,800                                                               |                                                                                             | 32     | * 18,100 |                                                                                            | 35                                                                   | * 12,200 |      |          |          |
|                                                                      | 26   | 75.3 | 93.8  | 36,780   |                                                                                            | 29     | 30,300   |                                                                                             | 32       | 25,300                                                               |                                                                                             | 35     | * 18,100 |                                                                                            | 38                                                                   | * 12,200 |      |          |          |
|                                                                      | 29   | 73.4 | 93.0  | 31,750   |                                                                                            | 32     | 25,600   |                                                                                             | 35       | 21,700                                                               |                                                                                             | 38     | * 18,100 |                                                                                            | 41                                                                   | * 12,200 |      |          |          |
|                                                                      | 32   | 71.5 | 92.0  | 27,570   |                                                                                            | 35     | 22,000   |                                                                                             | 38       | 18,700                                                               |                                                                                             | 41     | 17,400   |                                                                                            | 44                                                                   | * 12,200 |      |          |          |
|                                                                      | 35   | 69.6 | 90.9  | 24,150   |                                                                                            | 38     | 19,000   |                                                                                             | 41       | 16,200                                                               |                                                                                             | 44     | 15,300   |                                                                                            | 47                                                                   | * 12,200 |      |          |          |
|                                                                      | 38   | 67.6 | 89.7  | 21,330   |                                                                                            | 41     | 16,600   |                                                                                             | 44       | 14,100                                                               |                                                                                             | 47     | 13,400   |                                                                                            | 50                                                                   | * 12,200 |      |          |          |
|                                                                      | 41   | 65.6 | 88.4  | * 18,850 |                                                                                            | 44     | 14,400   |                                                                                             | 47       | 12,300                                                               |                                                                                             | 50     | 11,700   |                                                                                            | 53                                                                   | 11,200   |      |          |          |
|                                                                      | 44   | 63.6 | 87.0  | * 16,470 |                                                                                            | 47     | 12,600   |                                                                                             | 50       | 10,700                                                               |                                                                                             | 53     | 10,300   |                                                                                            | 56                                                                   | 9,800    |      |          |          |
|                                                                      | 47   | 61.6 | 85.4  | * 14,320 |                                                                                            | 50     | 11,000   |                                                                                             | 53       | 9,300                                                                |                                                                                             | 56     | 9,000    |                                                                                            | 59                                                                   | 8,800    |      |          |          |
|                                                                      | 50   | 59.5 | 83.7  | * 12,460 |                                                                                            | 53     | 9,600    |                                                                                             | 56       | 8,000                                                                |                                                                                             | 59     | 7,800    |                                                                                            | 62                                                                   | 7,700    |      |          |          |
|                                                                      | 53   | 57.3 | 81.8  | * 10,790 |                                                                                            | 56     | 8,400    |                                                                                             | 59       | 6,900                                                                |                                                                                             | 62     | 6,800    |                                                                                            | 65                                                                   | 6,700    |      |          |          |
| 97.5M<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm  | 56   | 55.1 | 79.8  | * 9,290  |                                                                                            | 59     | 7,300    |                                                                                             | 62       | 5,900                                                                |                                                                                             | 65     | 5,900    |                                                                                            | 68                                                                   | 5,900    |      |          |          |
|                                                                      | 59   | 52.9 | 77.6  | * 7,970  |                                                                                            | 62     | 6,300    |                                                                                             | 65       | 5,100                                                                |                                                                                             | 68     | 5,100    |                                                                                            | 71                                                                   | 5,100    |      |          |          |
|                                                                      | 62   | 50.5 | 75.2  | * 6,750  |                                                                                            | 65     | 5,500    |                                                                                             | 68       | 4,200                                                                |                                                                                             | 71     | 4,300    |                                                                                            | 74                                                                   | 4,400    |      |          |          |
|                                                                      | 65   | 48.1 | 72.6  | * 5,630  |                                                                                            | 68     | 4,700    |                                                                                             | 71       | 3,400                                                                |                                                                                             | 74     | 3,500    |                                                                                            | 77                                                                   | 3,700    |      |          |          |
|                                                                      | 68   | 45.6 | 69.7  | * 4,630  |                                                                                            | 71     | 3,900    |                                                                                             | 74       | 2,600                                                                |                                                                                             | 77     | 2,800    |                                                                                            | 80                                                                   | 3,000    |      |          |          |
|                                                                      | 71   | 43.0 | 66.6  | * 3,710  |                                                                                            | 74     | 3,100    |                                                                                             | 76.2     | 2,100                                                                |                                                                                             | 79.2   | 2,300    |                                                                                            | 83                                                                   | 2,300    |      |          |          |
|                                                                      | 74   | 40.2 | 63.2  | * 2,870  |                                                                                            | 77     | 2,400    |                                                                                             |          |                                                                      |                                                                                             |        |          |                                                                                            | 85.3                                                                 | 1,900    |      |          |          |
|                                                                      | 77   | 37.3 | 59.4  | * 2,240  |                                                                                            | 79.2   | 2,000    |                                                                                             |          |                                                                      |                                                                                             |        |          |                                                                                            |                                                                      |          |      |          |          |
|                                                                      | 79.2 | 35.0 | 56.3  | * 1,860  |                                                                                            |        |          |                                                                                             |          |                                                                      |                                                                                             |        |          |                                                                                            |                                                                      |          |      |          |          |
| 100.6M<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 21.3 | 78.6 | 98.1  | * 45,360 | 100.6M<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm                       | 23     | 77.6     | 97.7                                                                                        | * 41,560 | 100.6M<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 26                                                                                          | 75.8   | 97.0     | * 35,780                                                                                   | 100.6M<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 29       | 74.0 | 96.2     | * 31,100 |
|                                                                      | 23   | 77.6 | 97.7  | * 41,560 |                                                                                            | 26     | 75.8     | 97.0                                                                                        | * 35,780 |                                                                      | 29                                                                                          | 74.0   | 96.2     | * 31,100                                                                                   |                                                                      | 32       | 72.1 | 95.2     | * 27,230 |
|                                                                      | 26   | 75.8 | 97.0  | * 35,780 |                                                                                            | 29     | 74.0     | 96.2                                                                                        | * 31,100 |                                                                      | 32                                                                                          | 72.1   | 95.2     | * 27,230                                                                                   |                                                                      | 35       | 70.2 | 94.2     | * 23,950 |
|                                                                      | 29   | 74.0 | 96.2  | * 31,100 |                                                                                            | 32     | 72.1     | 95.2                                                                                        | * 27,230 |                                                                      | 35                                                                                          | 70.2   | 94.2     | * 23,950                                                                                   |                                                                      | 38       | 68.4 | 93.0     | * 21,200 |
|                                                                      | 32   | 72.1 | 95.2  | * 27,230 |                                                                                            | 35     | 70.2     | 94.2                                                                                        | * 23,950 |                                                                      | 38                                                                                          | 68.4   | 93.0     | * 21,200                                                                                   |                                                                      | 41       | 66.4 | 91.8     | * 18,760 |
|                                                                      | 35   | 70.2 | 94.2  | * 23,950 |                                                                                            | 38     | 68.4     | 93.0                                                                                        | * 21,200 |                                                                      | 41                                                                                          | 66.4   | 91.8     | * 18,760                                                                                   |                                                                      | 44       | 64.5 | 90.4     | * 16,420 |
|                                                                      | 38   | 68.4 | 93.0  | * 21,200 |                                                                                            | 41     | 66.4     | 91.8                                                                                        | * 18,760 |                                                                      | 44                                                                                          | 64.5   | 90.4     | * 16,420                                                                                   |                                                                      | 47       | 62.5 | 88.9     | * 14,270 |
|                                                                      | 41   | 66.4 | 91.8  | * 18,760 |                                                                                            | 44     | 64.5     | 90.4                                                                                        | * 16,420 |                                                                      | 47                                                                                          | 62.5   | 88.9     | * 14,270                                                                                   |                                                                      | 50       | 60.5 | 87.2     | * 12,410 |
|                                                                      | 44   | 64.5 | 90.4  | * 16,420 |                                                                                            | 47     | 62.5     | 88.9                                                                                        | * 14,270 |                                                                      | 50                                                                                          | 60.5   | 87.2     | * 12,410                                                                                   |                                                                      | 53       | 58.5 | 85.4     | * 10,750 |
|                                                                      | 47   | 62.5 | 88.9  | * 14,270 |                                                                                            | 50     | 60.5     | 87.2                                                                                        | * 12,410 |                                                                      | 53                                                                                          | 58.5   | 85.4     | * 10,750                                                                                   |                                                                      | 56       | 56.4 | 83.5     | * 9,250  |
|                                                                      | 50   | 60.5 | 87.2  | * 12,410 |                                                                                            | 53     | 58.5     | 85.4                                                                                        | * 10,750 |                                                                      | 56                                                                                          | 56.4   | 83.5     | * 9,250                                                                                    |                                                                      | 59       | 54.2 | 81.4     | * 7,920  |
|                                                                      | 53   | 58.5 | 85.4  | * 10,750 |                                                                                            | 56     | 56.4     | 83.5                                                                                        | * 9,250  |                                                                      | 59                                                                                          | 54.2   | 81.4     | * 7,920                                                                                    |                                                                      | 62       | 52.0 | 79.1     | * 6,700  |
|                                                                      | 56   | 56.4 | 83.5  | * 9,250  |                                                                                            | 59     | 54.2     | 81.4                                                                                        | * 7,920  |                                                                      | 62                                                                                          | 52.0   | 79.1     | * 6,700                                                                                    |                                                                      | 65       | 49.7 | 76.6     | * 5,580  |
|                                                                      | 59   | 54.2 | 81.4  | * 7,920  |                                                                                            | 62     | 52.0     | 79.1                                                                                        | * 6,700  |                                                                      | 65                                                                                          | 49.7   | 76.6     | * 5,580                                                                                    |                                                                      | 68       | 47.4 | 73.9     | * 4,590  |
|                                                                      | 62   | 52.0 | 79.1  | * 6,700  |                                                                                            | 65     | 49.7     | 76.6                                                                                        | * 5,580  |                                                                      | 68                                                                                          | 47.4   | 73.9     | * 4,590                                                                                    |                                                                      | 71       | 44.9 | 71.0     | * 3,670  |
|                                                                      | 65   | 49.7 | 76.6  | * 5,580  |                                                                                            | 68     | 47.4     | 73.9                                                                                        | * 4,590  |                                                                      | 71                                                                                          | 44.9   | 71.0     | * 3,670                                                                                    |                                                                      | 74       | 42.3 | 67.8     | * 2,830  |
| 100.6M<br>Midpoint<br>Location<br>48.8M<br>Midpoint<br>Sag<br>43.2cm | 68   | 47.4 | 73.9  | * 4,590  |                                                                                            | 71     | 44.9     | 71.0                                                                                        | * 3,670  |                                                                      | 74                                                                                          | 42.3   | 67.8     | * 2,830                                                                                    |                                                                      | 77       | 39.6 | 64.3     | * 2,200  |
|                                                                      | 71   | 44.9 | 71.0  | * 3,670  |                                                                                            | 74     | 42.3     | 67.8                                                                                        | * 2,830  |                                                                      | 77                                                                                          | 39.6   | 64.3     | * 2,200                                                                                    |                                                                      | 79.2     | 37.5 | 61.5     | * 1,810  |
|                                                                      | 74   | 42.3 | 67.8  | * 2,830  |                                                                                            | 77     | 39.6     | 64.3                                                                                        | * 2,200  |                                                                      | 79.2                                                                                        | 37.5   | 61.5     | * 1,810                                                                                    |                                                                      |          |      |          |          |
|                                                                      | 77   | 39.6 | 64.3  | * 2,200  |                                                                                            |        |          |                                                                                             |          |                                                                      |                                                                                             |        |          |                                                                                            |                                                                      |          |      |          |          |
|                                                                      | 79.2 | 37.5 | 61.5  | * 1,810  |                                                                                            |        |          |                                                                                             |          |                                                                      |                                                                                             |        |          |                                                                                            |                                                                      |          |      |          |          |
|                                                                      | 21.3 | 78.9 | 101.2 | * 44,000 |                                                                                            | 23     | 78.0     | 100.8                                                                                       | * 40,230 |                                                                      | 26                                                                                          | 76.2   | 100.1    | * 34,600                                                                                   | 29                                                                   | 74.5     | 99.3 | * 30,060 |          |
|                                                                      | 23   | 78.0 | 100.8 | * 40,230 |                                                                                            | 26     | 76.2     | 100.1                                                                                       | * 34,600 |                                                                      | 29                                                                                          | 74.5   | 99.3     | * 30,060                                                                                   | 32                                                                   | 72.7     | 98.4 | * 26,320 |          |
|                                                                      | 26   | 76.2 | 100.1 | * 34,600 |                                                                                            | 29     | 74.5     | 99.3                                                                                        | * 30,060 |                                                                      | 32                                                                                          | 72.7   | 98.4     | * 26,320                                                                                   | 35                                                                   | 70.9     | 97.4 | * 23,210 |          |
|                                                                      | 29   | 74.5 | 99.3  | * 30,060 |                                                                                            | 32     | 72.7     | 98.4                                                                                        | * 26,320 |                                                                      | 35                                                                                          | 70.9   | 97.4     | * 23,210                                                                                   | 38                                                                   | 69.0</   |      |          |          |





In accordance with our established policy of constantly improving our products, we reserve the right to change or modify our products or our product specifications at any time without notice.

**CLARK** Lima  
Division

LIMA, OHIO 45802

Manufactured and Sold in Conformance with U.S. Department of Commerce  
Commercial Standard CS90-58.

DISTRIBUTED BY