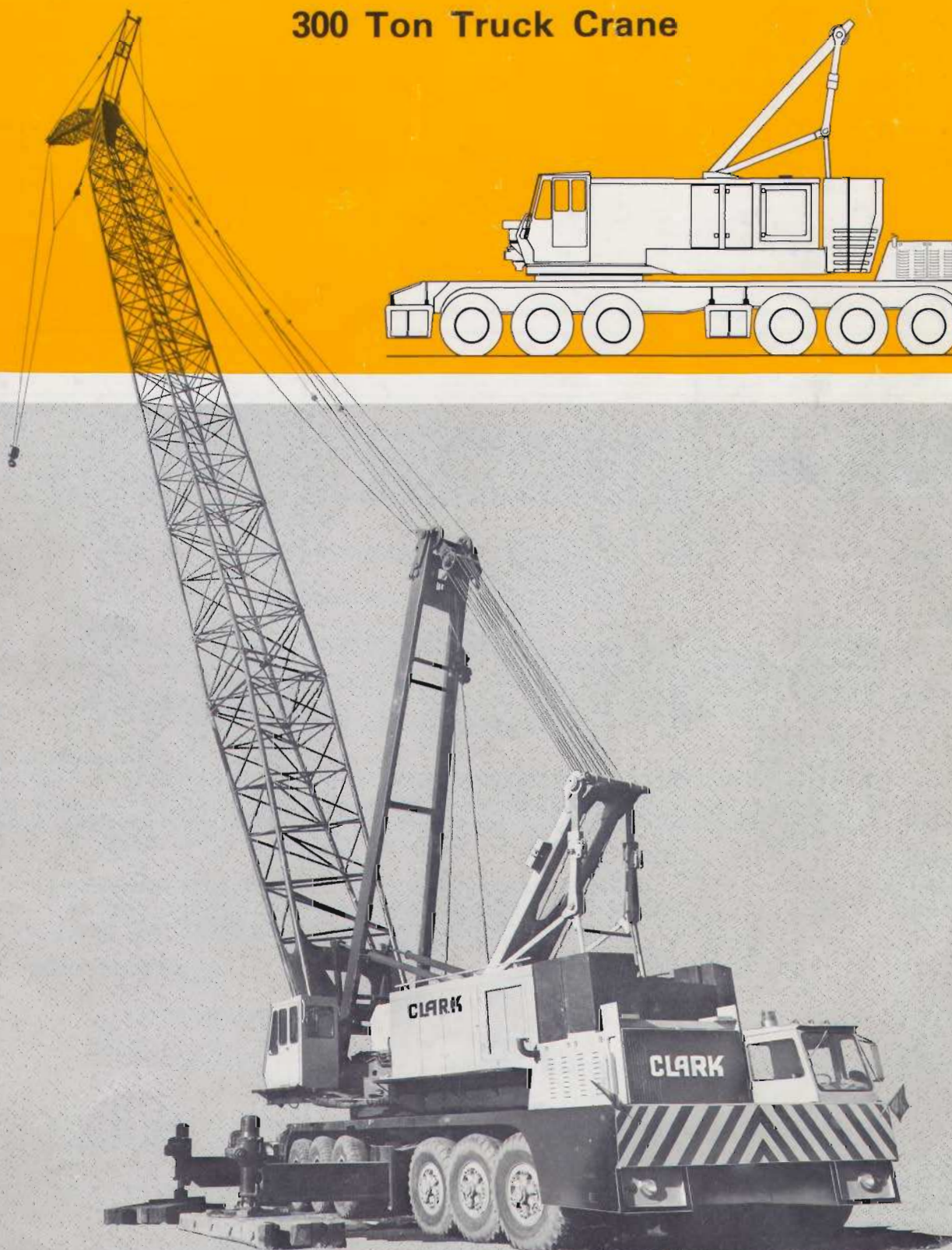


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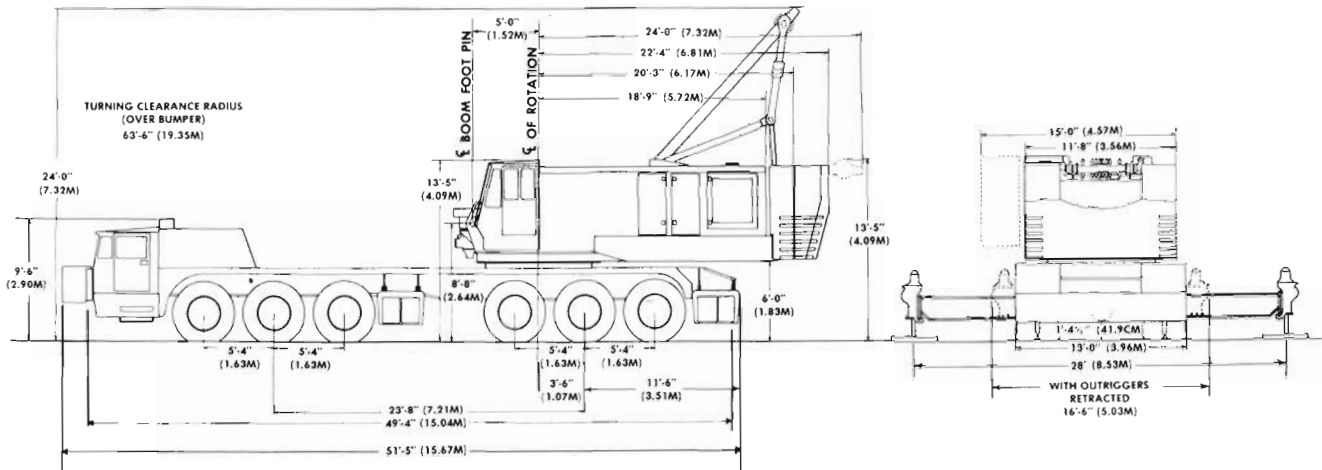
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Specifications

300 Ton Truck Crane

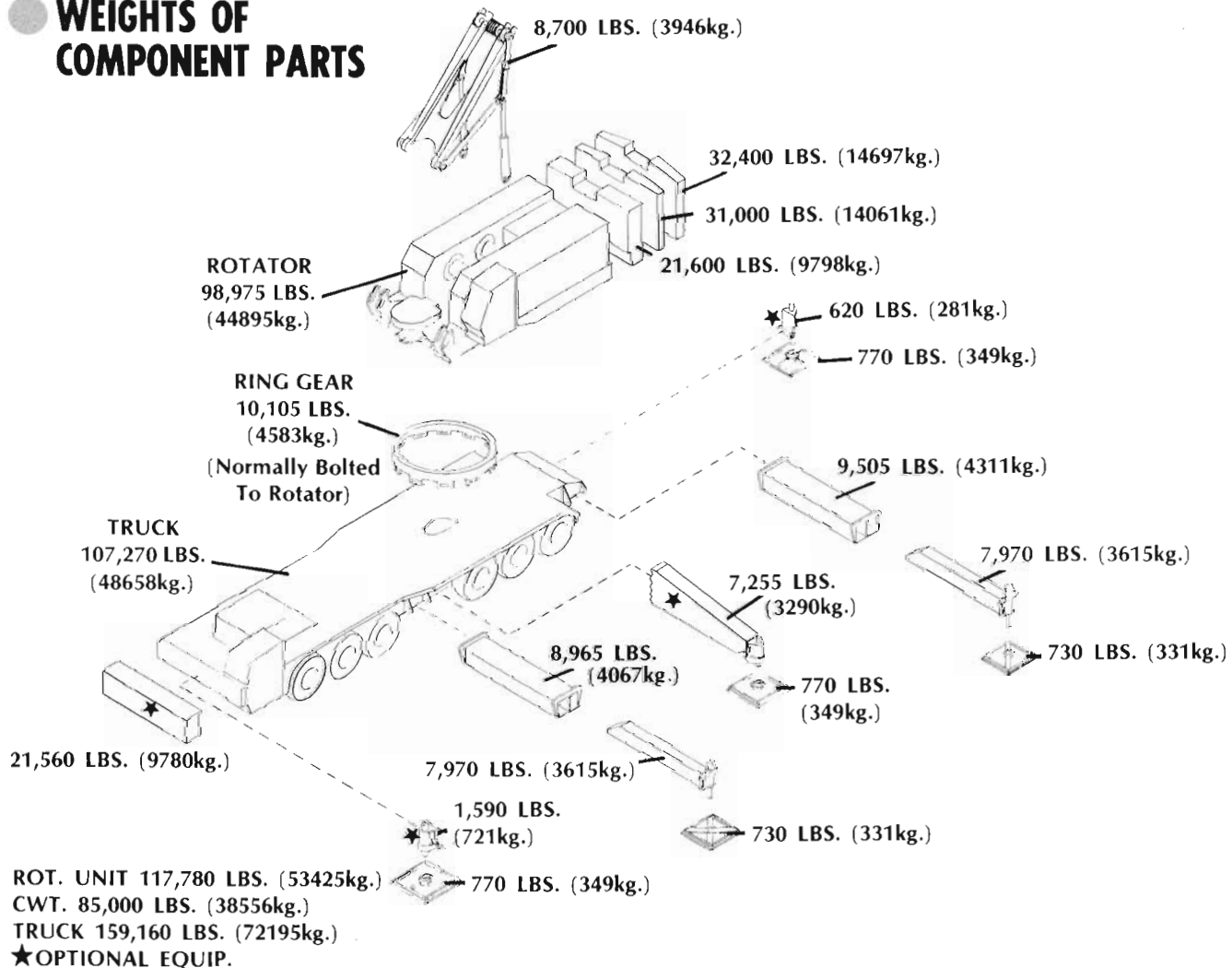


CLEARANCE & DIMENSIONS

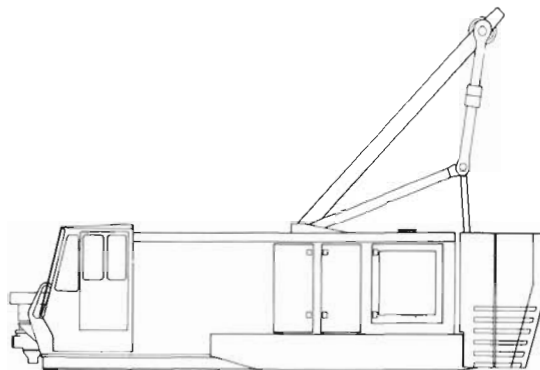


Relative position of the upper works, as shown, is for dimensioning purpose only, and is not recommended for use.

WEIGHTS OF COMPONENT PARTS



R-1

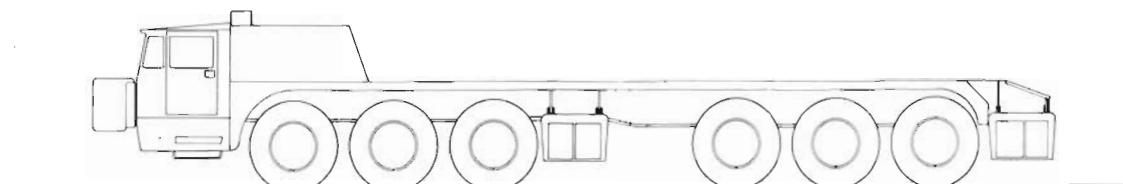


ROTATING ASSEMBLY

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

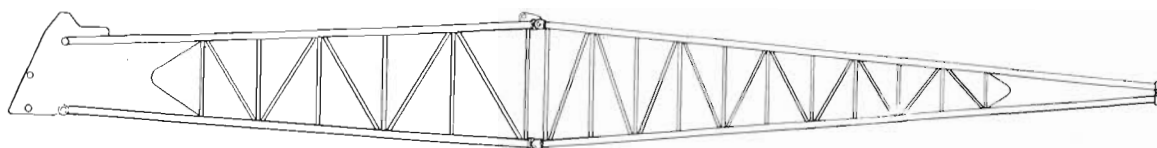


TRUCK MOUNTING

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.

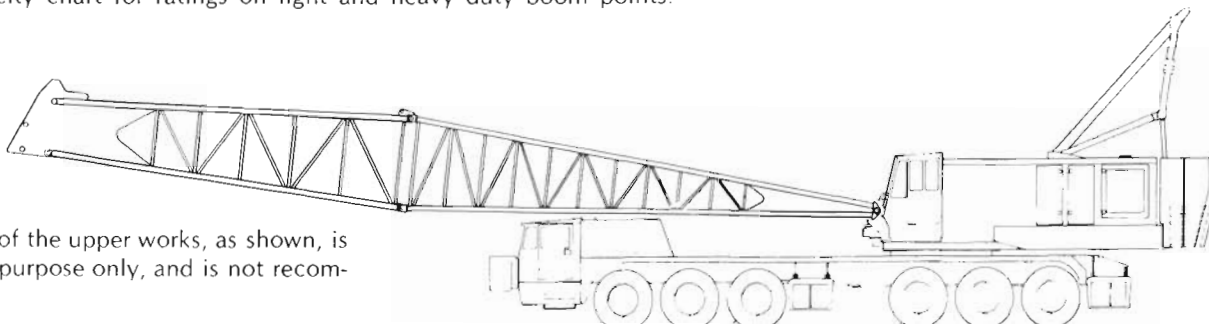
31,365 LBS. (14227kg)

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.

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

R — Denotes Boom Extended Rearward.

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/cm²) 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 ² (3342cm ²)	Band	6" (15.24cm)	50" (127cm)	748 In ² (4826cm ²)
Auxiliary Hoist	Band	4 1/2" (11.43cm)	43" (109.2cm)	518 In ² (3342cm ²)	Band	6" (15.24cm)	50" (127cm)	748 In ² (4826cm ²)
Boom Hoist	Band	—	—	—	Band	4" (101.6cm)	15" (38.1cm)	145 In ² (935cm ²)
Swing Brake	Band	—	—	—	Band	4" (10.16cm)	26" (66cm)	258 In ² (1665cm ²)
Third Drum	Band	4 1/2" (11.43cm)	43" (109.2cm)	518 In ² (3342cm ²)	Band	6" (15.24cm)	50" (127cm)	748 In ² (4826cm ²)

● 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 170' (51.82M) Boom to 230' (70.10M) Boom	1,050 Lbs. (476kg.)	1,050 Lbs. (476kg.)
Midpoint Suspension 240' (73.15M) Boom to 260' (79.25M) Boom	1,190 Lbs. (540kg.)	1,190 Lbs. (540kg.)
Midpoint Suspension 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).

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 ²)
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 ²) 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

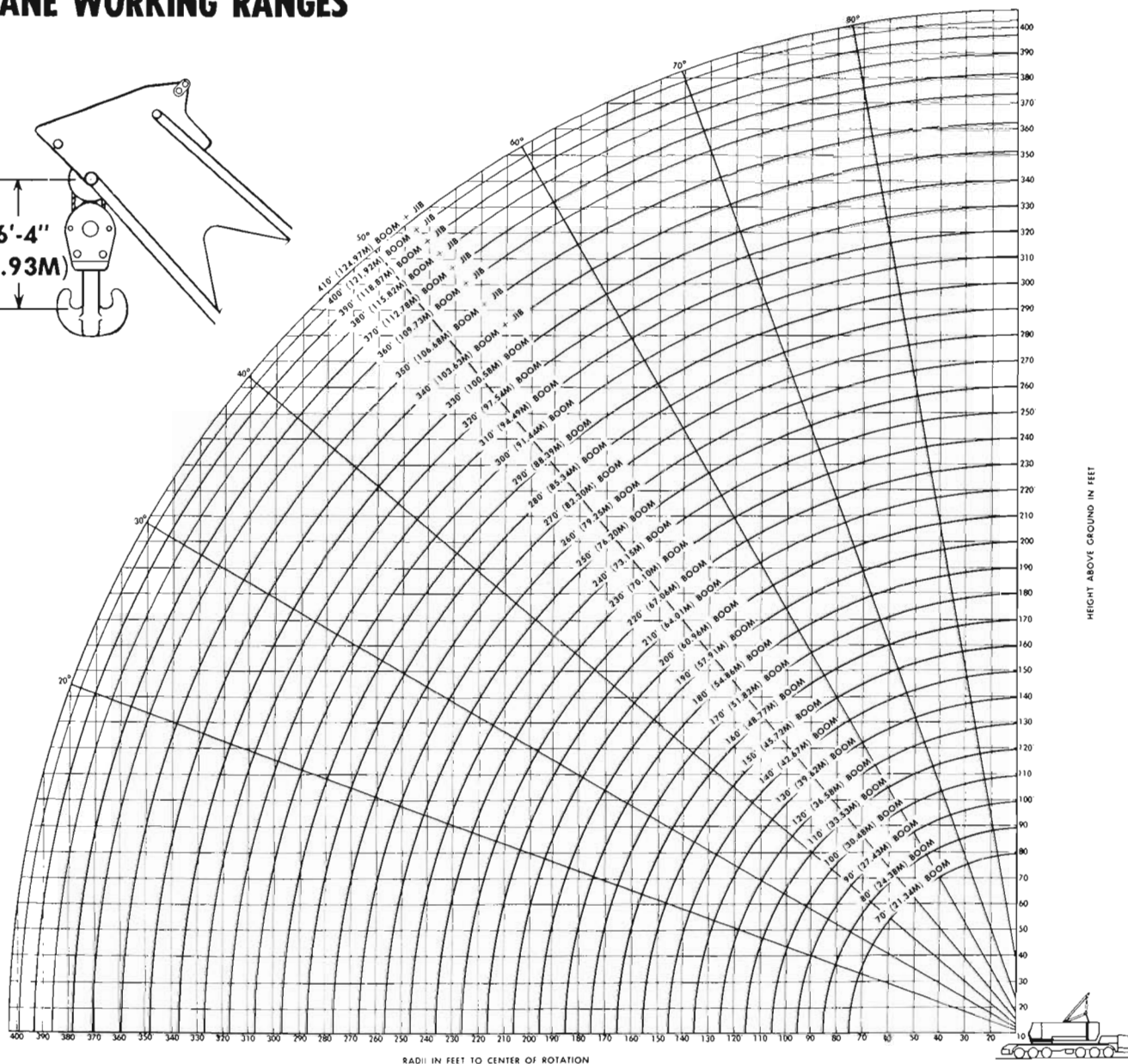
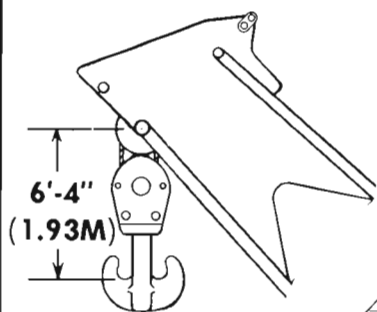
HOIST LINE DATA

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

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



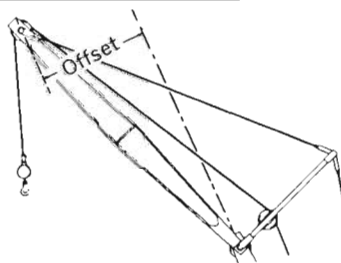
CRANE WORKING RANGES



WIRE ROPE REEVING FOR HOOK BLOCKS

Parts of Line Rope Load	Parts of Line 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)	31 1/2 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)	15 1/2 Tons (14.1 Tons)	31'-10" (9.70M)	8,775 Lbs. (3980kg.)
100' (30.48M)	13 1/2 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 300 TON CLASS 18-2450										CRANE CAPACITY CHART OVER SIDE AND OVER REAR 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		Midpoint Location	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		Midpoint Sag 110'	110'	60.5	190.5'	51,300	130'	61.7	236.6'	37,400	
80'	60'	40.0	52.0'	131,800		100'	51.5	124.7'	62,000		Midpoint Sag 6"	120'	57.3	184.4'	44,500	Midpoint Location 140'	140'	59.1	230.9'	32,700
	70'	23.6	34.7'	105,600		110'	46.4	115.8'	53,700		130'	54.0	177.4'	38,900	150'	56.5	224.5'	28,600		
	25'	77.0	86.1'	*480,100	160'	120'	40.7	105.0'	46,900	220'	140'	50.5	169.5'	34,100	160'	53.8	217.4'	25,100		
	30'	73.3	84.7'	*390,900		130'	34.3	91.6'	41,400		Midpoint Sag 6"	150'	46.9	160.6'	30,100	170'	51.0	209.6'	22,000	
	35'	69.5	82.9'	306,900		140'	26.6	74.0'	36,700		160'	43.0	150.4'	26,600	180'	48.1	201.0'	19,300		
	40'	65.6	80.6'	244,900		150'	15.6	47.1'	32,600		170'	38.8	138.6'	23,500	190'	45.0	191.4'	16,900		
	45'	61.5	78.0'	202,900		35'	79.9	165.8'	*287,200		180'	34.1	124.8'	20,900	210'	41.8	180.6'	14,800		
	50'	57.3	74.8'	172,600		40'	78.1	164.8'	244,100		190'	28.8	108.1'	18,500	220'	38.4	168.6'	12,800		
	60'	48.1	66.8'	131,700		45'	76.3	163.6'	202,100		200'	22.3	86.6'	16,400	230'	34.6	154.9'	11,100		
90'	70'	37.2	55.3'	105,500		50'	74.4	162.2'	171,800	Midpoint Location 110'	210'	13.1	54.3'	14,500	240'	30.5	139.0'	9,300		
	80'	21.9	36.6'	87,300		60'	70.6	158.9'	130,900		220'	50'	78.7	224.0'	171,200	Midpoint Sag 14"	250'	25.7	119.9'	7,300
	25'	78.5	96.4'	*479,400	170'	70'	66.8	154.9'	104,700		Midpoint Sag 10"	230'	60'	76.0	221.7'	129,800	260'	20.9	95.7'	5,700
	30'	75.2	95.1'	*390,800		80'	62.8	150.0'	86,100		240'	50'	73.3	218.8'	102,900	60'	78.8	273.0'	128,900	
	35'	71.9	93.5'	306,800		90'	58.6	144.2'	72,300		250'	40'	70.6	215.5'	84,100	70'	76.5	270.7'	101,900	
	40'	68.5	91.6'	244,800		100'	54.3	137.4'	61,800		260'	30'	67.8	211.6'	70,300	80'	74.3	268.0'	83,000	
	45'	65.0	89.3'	202,800		110'	49.7	129.4'	53,500		Midpoint Location 110'	110'	62.0	202.0'	51,200	90'	72.0	264.9'	69,100	
	50'	61.3	86.6'	172,500		120'	44.8	119.9'	46,700		120'	59.0	196.2'	44,400	100'	69.8	261.4'	58,400		
	60'	53.7	79.9'	131,600		130'	39.4	108.6'	41,100		130'	55.9	189.7'	38,800	110'	67.5	257.4'	49,900		
100'	70'	45.1	70.9'	105,400	Midpoint Location 110'	140'	33.2	94.6'	36,400		Midpoint Sag 10"	140'	52.7	182.4'	34,000	Midpoint Location 160'	120'	65.2	253.0'	43,000
	80'	34.9	58.5'	87,100		150'	25.7	76.3'	32,400		150'	49.3	174.1'	30,000	130'	62.8	248.0'	37,300		
	90'	20.6	38.3'	73,600		160'	15.1	48.4'	28,900		160'	45.7	164.8'	26,500	140'	60.4	242.5'	32,600		
	25'	79.7	106.2'	*479,300		40'	78.8	175.0'	*240,700	Midpoint Sag 4"	170'	41.9	154.2'	23,400	150'	57.9	236.4'	28,500		
	30'	76.7	105.5'	*390,700		45'	77.1	173.9'	202,000		180'	37.8	142.0'	20,800	160'	55.4	229.7'	25,000		
	35'	73.7	104.1'	306,700		50'	75.3	172.6'	171,700		190'	33.3	127.7'	18,400	170'	52.7	222.4'	21,900		
	40'	70.7	102.4'	244,700		60'	71.8	169.5'	130,700		200'	28.1	110.5'	16,300	180'	50.0	214.3'	19,200		
	45'	67.6	100.3'	202,700		70'	68.2	165.8'	103,900		210'	21.8	88.5'	14,400	190'	47.1	205.3'	16,800		
	50'	64.5	98.0'	172,400		80'	64.5	161.2'	85,300		220'	12.8	55.3'	12,700	200'	44.2	195.4'	14,700		
	60'	57.8	92.2'	131,500		90'	60.7	155.9'	71,500		230'	50'	79.2	234.2'	171,100	Midpoint Sag 14"	210'	41.0	184.4'	12,700
110'	70'	50.7	84.7'	105,300	Midpoint Location 110'	100'	56.7	149.7'	61,000		Midpoint Sag 10"	240'	60'	76.7	232.0'	129,600	220'	37.6	172.0'	11,000
	80'	42.6	74.8'	87,000		110'	52.5	142.4'	52,600		250'	50'	74.1	229.3'	102,600	230'	33.9	157.9'	9,200	
	90'	33.0	61.4'	73,500		120'	48.1	133.9'	45,800		260'	40'	71.5	226.1'	83,700	240'	29.9	141.6'	7,200	
	100'	19.4	40.0'	63,200		130'	43.4	123.9'	40,200		270'	30'	68.8	222.4'	69,900	250'	25.2	122.1'	5,600	
	25'	77.9	115.8'	*390,600		140'	38.1	112.0'	35,500	Midpoint Sag 4"	280'	50'	79.2	234.2'	171,100	260'	19.6	97.4'	4,500	
	35'	75.3	114.5'	306,600		150'	32.2	97.4'	31,500		Midpoint Location 110'	110'	63.3	213.3'	50,800	Midpoint Location 160'	60'	79.0	283.2'	128,800
	40'	72.5	112.9'	244,600		160'	24.9	78.5'	28,000		Midpoint Sag 10"	120'	60.5	207.9'	44,000		70'	76.9	281.0'	101,800
	45'	69.8	111.1'	202,600		170'	14.6	49.6'	25,000		130'	57.6	201.7'	38,300	80'	74.8	278.4'	82,900		
	50'	66.9	109.0'	172,300		40'	79.4	185.2'	*239,100		140'	54.6	194.9'	33,600	90'	72.7	275.5'	69,000		
	60'	61.1	103.9'	131,400		45'	77.8	184.2'	201,900		150'	51.4	187.2'	29,500	100'	70.5	272.1'	58,300		
	70'	54.9	97.4'	105,200		50'	76.2	183.0'	171,600		160'	48.1	178.6'	26,000	110'	68.3	268.2'	49,800		
	80'	48.1	89.1'	86,900		60'	72.9	180.1'	130,600		170'	44.7	168.9'	23,000	120'	66.1	264.0'	42,900		
	90'	40.5	78.5'	73,400		70'	69.5	176.5'	103,800		180'	41.0	157.9'	20,300	130'	63.9	259.2'	37,200		
120'	100'	31.4	64.1'	62,900	Midpoint Location 110'	80'	66.0	172.3'	85,200	Midpoint Sag 10"	190'	37.0	145.3'	17,900	Midpoint Location 160'	140'	61.5	254.0'	32,500	
	110'	18.5	41.5'	54,600		90'	62.5	167.3'	71,400		200'	32.5	130.6'	15,800		150'	59.2	248.2'	28,400	
	25'	79.0	126.0'	*389,000		100'	58.8	161.6'	60,900		210'	27.5	113.0'	13,900		160'	56.8	241.9'	24,900	
	35'	76.5	124.8'	306,500		110'	55.0	154.9'	52,500		220'	21.3	90.4'	12,100		170'	54.3	243.9'	21,800	
	40'	74.0	123.4'	244,500		120'	50.9	147.1'	45,700		230'	12.5	56.4'	10,600		180'	51.7	227.2'	19,100	
	45'	71.5	121.8'	202,500		130'	46.7	138.2'	40,100		240'	50'	79.7	244.4'	*171,000	Midpoint Sag 14"	190'	49.0	218.8'	16,700
	50'	69.0	119.9'	172,200		140'	42.1	127.7'	35,400		Midpoint Location 140'	110'	64.5	224.5'	50,400		200'	46.2	209.6'	14,600
	60'	63.7	115.3'	131,300		150'	37.0	115.3'	31,400		Midpoint Sag 10"	120'	61.8	219.3'	43,500		210'	43.3	199.4'	12,600
	70'	58.2	109.5'	105,100		160'	31.2	100.2'	27,900		130'	59.1	213.5'	37,900	220'	40.2	188.0'	10,900		
	80'	52.3	102.3'	86,800		170'	24.2	80.6'	24,900		140'	56.2	207.1'	33,100	230'	36.9	175.3'	9,100		
	90'	45.9	93.4'	73,30																

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		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	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		130'	38,400		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		160'	25,700		160'	25,700		180'	22,700
	140'	63.6	276.6'	32,300		160'	25,900		170'	21,900		170'	22,300		190'	20,000
	150'	61.4	271.3'	28,200		170'	22,600		180'	19,000		180'	19,400		200'	17,600
	160'	59.2	265.5'	24,700		180'	19,800		190'	16,500		190'	16,800		210'	15,400
	170'	57.0	259.2'	21,600		190'	17,200		200'	14,200		200'	14,500		220'	13,400
	180'	54.7	252.3'	18,900		200'	15,000		210'	12,100		210'	12,400		230'	11,600
	190'	52.3	244.8'	16,500		210'	12,900		220'	10,300		220'	10,500		240'	10,000
	200'	49.8	236.6'	14,400		220'	11,100		230'	8,400		230'	8,600		250'	8,400
	Midpoint Location 160'	210'	47.2	227.7'		12,400	230'		9,300	240'		6,700	240'		6,800	260'
220'		44.6	217.9'	* 10,700	240'	7,600	250'	5,100	250'	5,200	120'	* 27,000				
230'		41.8	207.1'	* 8,900	250'	6,100	260'	4,600	260'	4,700	130'	* 27,000				
240'		38.8	195.2'	* 6,900	260'	4,600	90'	72,100	100'	* 40,000	140'	* 27,000				
250'		35.6	181.8'	* 5,300	90'	72,100	100'	60,700	110'	* 40,000	150'	* 27,000				
260'	32.1	166.7'	* 4,200	100'	60,700	110'	51,700	120'	44,300	130'	* 40,000	160'	* 27,000			
310'	70'	78.2	311.8'	101,500	350'	80'	* 80,000	370'	90'	72,200	390'	90'	* 63,000	410'	110'	* 31,000
	80'	76.3	309.5'	82,600		90'	72,800		100'	60,800		100'	62,100		120'	* 31,000
	90'	74.4	306.8'	68,700		100'	61,400		110'	51,800		110'	52,900		130'	* 31,000
	100'	72.5	303.7'	58,000		110'	52,300		120'	44,500		120'	45,400		140'	* 31,000
	110'	70.5	300.3'	49,500		120'	45,100		130'	38,400		130'	39,200		150'	* 31,000
	120'	68.6	296.5'	42,600		130'	39,000		140'	33,100		140'	34,000		160'	29,300
	130'	66.6	292.3'	36,900		140'	33,900		150'	28,800		150'	29,500		170'	25,800
	140'	64.5	287.7'	32,200		150'	29,500		160'	25,000		160'	25,700		180'	22,700
	150'	62.4	282.7'	28,100		160'	25,800		170'	21,700		170'	22,300		190'	20,000
	160'	60.3	277.1'	24,600		170'	22,500		180'	18,800		180'	19,400		200'	17,600
	170'	58.2	271.1'	21,500		180'	19,700		190'	16,200		190'	16,800		210'	15,400
	180'	56.0	264.5'	18,800		190'	17,200		200'	14,200		200'	14,500		220'	13,400
	190'	53.7	257.4'	16,400		200'	14,800		210'	12,100		210'	12,400		230'	11,600
	200'	51.4	249.7'	14,300		210'	12,900		220'	10,300		220'	10,500		240'	10,000
	210'	48.9	241.2'	12,300		220'	11,100		230'	8,400		230'	8,600		250'	8,400
	220'	46.4	232.0'	* 10,600		230'	9,200		240'	6,700		240'	6,800		260'	6,900
Midpoint Location 160'	230'	43.8	221.9'	* 8,800	240'	7,500	250'	5,100	250'	5,200	260'	5,300	Midpoint Location 160'	110'	* 27,000	
	240'	41.0	210.8'	* 6,800	250'	5,900	260'	4,400	260'	4,500	120'	* 27,000				
	250'	38.1	198.6'	* 5,200	260'	4,400	90'	72,100	100'	* 40,000	130'	* 27,000				
	260'	35.0	185.0'	* 4,100	90'	72,100	100'	60,700	110'	* 40,000	140'	* 27,000				
	90'	72,100	100'	60,700	110'	51,700	120'	44,300	130'	* 40,000	150'	* 27,000				
320'	70'	78.6	322.0'	* 100,000	330'	80'	* 80,000	340'	90'	72,100	350'	90'	* 63,000	360'	110'	* 31,000
	80'	76.8	319.8'	82,500		90'	72,700		100'	60,700		100'	62,100		120'	* 31,000
	90'	74.9	317.2'	68,600		100'	61,300		110'	51,700		110'	52,900		130'	* 31,000
	100'	73.1	314.2'	57,900		110'	52,300		120'	44,300		120'	45,400		140'	* 31,000
	110'	71.2	310.9'	49,400		120'	45,000		130'	38,200		130'	39,200		150'	* 31,000
	120'	69.3	307.3'	42,500		130'	39,000		140'	33,100		140'	34,000		160'	29,300
	130'	67.3	303.2'	36,800		140'	33,900		150'	28,800		150'	29,500		170'	25,800
	140'	65.4	298.8'	32,000		150'	29,500		160'	25,000		160'	25,700		180'	22,700
	150'	63.4	293.9'	27,900		160'	25,800		170'	21,700		170'	22,300		190'	20,000
	160'	61.3	288.6'	24,400		170'	22,500		180'	18,800		180'	19,400		200'	17,600
	170'	59.3	282.8'	21,300		180'	19,700		190'	16,200		190'	16,800		210'	15,400
	180'	57.2	276.6'	18,500		190'	17,100		200'	13,900		200'	14,500		220'	13,400
	190'	55.0	269.8'	16,100		200'	14,800		210'	11,900		210'	12,400		230'	11,600
	200'	52.8	262.4'	14,000		210'	12,800		220'	10,000		220'	10,500		240'	10,000
	210'	50.5	254.4'	12,100		220'	11,000		230'	8,100		230'	8,300		250'	8,600
	220'	48.1	245.7'	10,300		230'	9,200		240'	6,400		240'	6,700		260'	6,900
Midpoint Sag 17"	230'	45.6	236.2'	* 8,500	240'	7,500	250'	5,100	250'	5,200	260'	5,300	Midpoint Sag 17"	110'	* 27,000	
	240'	42.8	224.4'	* 6,500	250'	5,900	260'	4,400	260'	4,500	120'	* 27,000				
	250'	40.0	212.6'	* 4,500	260'	4,400	90'	72,100	100'	* 40,000	130'	* 27,000				
	260'	37.2	200.8'	* 2,500	90'	72,100	100'	60,700	110'	* 40,000	140'	* 27,000				
	90'	72,100	100'	60,700	110'	51,700	120'	44,300	130'	* 40,000	150'	* 27,000				

TUBULAR BOOM
272 MERC TON CLASS 5.5 — 1284

CRANE CAPACITY CHART
OVER SIDE AND OVER REAR
ON STANDARD OUTRIGGERS

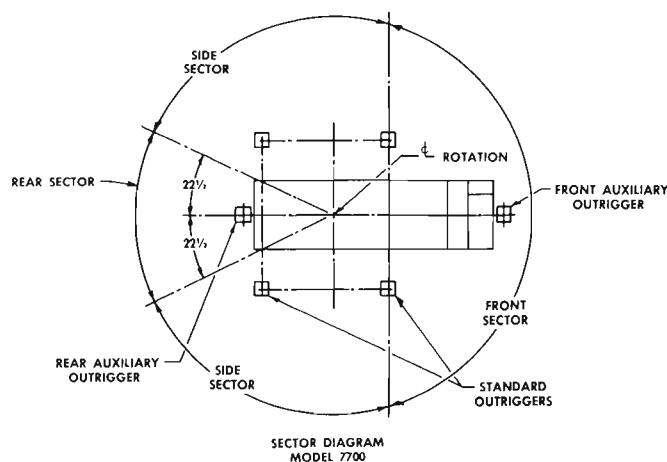
BOOM				CAPACITY	BOOM				CAPACITY	BOOM				CAPACITY	BOOM				CAPACITY
L	R	A	H		L	R	A	H		L	R	A	H		L	R	A	H	
21.3M	5.5	81.0	23.5	*272,100	45.7M	10.7	79.2	47.4	*135,900	64.0M	13.7	79.6	65.4	*91,400	79.2M	18.3	78.2	80.0	58,500
	6	79.6	23.4	*238,900		12	77.5	47.1	113,500		15	78.4	65.1	79,600		20	76.9	79.6	51,100
	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
	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
	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
	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
	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
	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
	21	25.9	11.3	49,000		32	49.0	36.7	26,100		36	58.0	56.5	20,700		41	60.5	71.3	15,900
	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
24.4M	7.6	77.0	26.2	*217,700	48.8M	10.7	79.9	50.5	*130,200	67.1M	15.2	78.7	68.2	*77,600	82.3M	18.3	78.6	83.1	58,400
	9	73.7	25.8	*181,100		12	78.3	50.2	113,200		17	77.2	67.8	65,800		20	77.4	82.8	51,000
	11	68.6	25.0	132,200		14	75.9	49.7	88,700		20	74.5	67.0	51,300		23	75.3	82.0	41,100
	13	63.4	24.1	100,000		17	72.2	48.8	66,000		23	71.8	66.1	41,600		26	73.1	81.1	34,000
	15	58.0	22.9	80,100		20	68.5	47.7	52,000		26	69.1	65.0	34,600		29	70.9	80.1	28,600
	18	49.0	20.6	61,100		23	64.6	46.4	42,500		29	66.3	63.7	29,200		32	68.7	79.0	24,400
	21	38.5	17.3	48,900		26	60.6	44.8	35,500		32	63.5	62.3	25,000		35	66.4	77.7	21,000
	24	24.4	12.0	40,500		29	56.4	42.9	30,100		35	60.6	60.7	21,600		38	64.1	76.3	18,200
	24.4	21.9	11.1	39,600		32	52.1	40.6	26,000		38	57.6	58.8	18,800		41	61.7	74.8	15,900
						35	47.4	38.0	22,700		41	54.5	56.8	16,500		44	59.3	73.1	13,900
27.4M	7.6	78.5	29.3	*217,400	51.8M	12.2	78.8	53.3	*109,100	70.1M	15.2	79.2	71.3	*77,600	85.3M	18.3	79.0	86.3	58,400
	9	75.5	29.0	*181,000		14	76.8	52.9	88,700		17	77.7	70.9	65,700		20	77.9	85.9	51,000
	11	71.1	28.3	132,200		17	73.3	52.0	65,900		20	75.2	70.2	51,200		23	75.8	85.2	41,100
	13	66.6	27.5	100,000		20	69.8	51.0	51,800		23	72.7	69.3	41,400		26	73.7	84.3	34,000
	15	61.9	26.5	80,100		23	66.2	49.7	42,100		26	70.1	68.3	34,400		29	71.6	83.4	28,600
	18	54.4	24.5	61,000		26	62.5	48.2	35,100		29	67.4	67.1	29,000		32	69.5	82.3	24,400
	21	46.1	21.9	48,800		29	58.7	46.5	29,800		32	64.7	65.7	24,800		35	67.3	81.1	21,000
	24	36.3	18.3	40,400		32	54.7	44.5	25,600		35	62.0	64.2	21,400		38	64.1	79.7	18,200
	27	23.1	12.8	34,100		35	50.4	42.1	22,200		38	59.3	60.6	18,400		41	62.8	78.2	15,800
	27.4	20.6	11.6	33,300		38	45.9	39.4	19,500		41	56.2	60.5	16,300		44	60.5	76.6	13,800
30.5M	7.6	79.7	32.4	*217,400	54.9M	12.2	79.4	56.4	*108,400	73.2M	15.2	79.7	74.4	*77,500	88.4M	18.3	79.4	89.4	57,900
	9	77.0	32.1	*181,000		14	77.5	56.0	88,700		17	78.3	74.1	65,600		20	78.3	89.0	50,800
	11	73.1	31.5	132,100		17	74.3	55.2	65,900		20	75.8	73.3	51,000		23	76.3	88.3	41,100
	13	69.1	30.8	99,900		20	71.0	54.2	51,700		23	73.4	72.5	41,300		26	74.3	87.5	33,900
	15	65.0	29.9	80,000		23	67.6	53.1	42,100		26	70.9	71.5	34,200		29	72.2	86.6	28,600
	18	58.5	28.2	61,000		26	64.2	51.7	35,100		29	68.4	70.4	28,800		32	70.2	85.5	24,300
	21	51.5	26.0	48,800		29	60.6	50.1	29,700		32	65.9	69.1	24,600		35	68.1	84.4	20,900
	24	43.7	23.2	40,300		32	56.9	48.2	25,600		35	63.2	67.6	21,200		38	66.0	83.1	18,100
	27	34.5	19.3	34,100		35	53.0	46.0	22,200		38	60.6	66.0	18,400		41	63.8	81.7	15,800
	30.5	22.1	13.5	29,300		38	49.0	43.6	19,400		41	57.8	64.2	16,100		44	61.6	80.1	13,800
33.5M	9.1	77.9	35.2	*177,100	57.9M	13.7	78.5	59.2	*91,500	76.2M	18.3	77.7	76.9	58,500	92.2M	20	78.3	89.0	50,800
	11	74.7	34.7	132,100		15	77.2	58.9	79,700		21	75.6	76.2	47,400		23	76.3	88.3	41,100
	13	71.1	34.1	99,900		18	74.1	58.1	60,500		24	73.3	75.4	38,600		26	74.3	87.5	33,900
	15	67.4	33.3	80,000		21	71.0	57.1	48,100		27	70.9	74.4	32,200		29	72.2	86.6	28,600
	18	61.7	31.8	60,900		24	67.8	55.9	39,400		30	68.5	73.2	27,200		32	70.2	85.5	24,300
	21	55.6	29.9	48,700		27	64.5	54.6	33,000		33	66.1	72.0	23,300		35	68.1	84.4	20,900
	24	49.0	27.5	40,300		30	61.2	53.0	28,100		36	63.6	70.5	20,100		38	66.0	83.1	18,100
	27	41.6	24.4	34,000		33	57.7	51.2	24,200		39	61.0	68.9	17,500		41	63.8	81.7	15,800
	30	33.0	20.3	29,200		36	54.1	49.1	21,100		42	58.4	67.1	15,300		44	61.6	80.1	13,800
	33.5	21.3	14.1	25,300		39	50.3	46.7	18,500		45	55.7	65.2	13,400		47	59.4	78.4	12,100
36.6M	9.1	79.0	38.3	*176,400	61.0M	13.7	79.0	62.3	*91,400	79.2M	18.3	78.2	80.0	58,500	99.2M	20	78.3	89.0	50,800
	11	76.0	37.9	132,100		15	77.8	62.0	79,600		21	75.6	76.2	47,400		23	76.3	88.3	41,100
	13	72.7	37.3	99,900		18	74.9	61.3	60,400		24	73.3	75.4	38,600		26	74.3	87.5	33,900
	15	69.4	36.6	79,900		21	71.9	60.3	48,000		27	70.9	74.4	32,200		29	72.2	86.6	28,600
	18	64.2	35.2	60,900		24	68.9	59.2	39,300		30	68.5	73.2	27,200		32	70.2	85.5	24,300
	21	58.8	33.5	48,700		27	65.9	58.0	32,900		33	66.1	72.0	23,300		35	68.1	84.4	20,900
	24	53.1	31.4	40,200		30	62.7	56.5	28,000		36	63.6	70.5	20,100		38	66.0	83.1	18,100
	27	46.8	28.8	34,000		33	59.5	54.8	24,100		39	61.0	68.9	17,500		41	63.8	81.7	15,800
	30	39.9	25.5	29,100		36	56.1	52.8	20,900		42	58.4	67.1	15,300		44	61.6	80.1	13,800
	33	31.6	21.2	25,300		39	52.6	50.7	18,400		45	55.7	65.2	13,400		47	59.4	78.4	12,100
39.6M	9.1	79.8	41.5	*175,000	64.0M	13.7	79.6	65.4	*91,400	82.3M	18.3	78.6	83.1	58,400	109.2M	20	78.3	89.0	50,800
	11	77.1	41.0	132,100		15	77.8	62.0	79,600		21	75.6	76.2	47,400		23	76.3	88.3	41,100
	13	74.1	40.5	99,800		18	74.9	61.3	60,400		24	73.3	75.4	38,600		26	74.3	87.5	33

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 Midpoint Location 48.8M Midpoint Sag 43.2cm	18.3	79.8	92.5	* 56,600	103.6M (91.4M + 12.2M) Midpoint Location 48.8M Midpoint Sag 43.2cm	24.4	* 36,200	109.7M (97.5M + 12.2M) Midpoint Location 48.8M Midpoint Sag 43.2cm	27.4	32,700	27.4	28,500	115.8M (100.6M + 15.2M) Midpoint Location 48.8M Midpoint Sag 43.2cm	33.5	14,000	121.9M (95.5M + 27.4M) Midpoint Location 48.8M Midpoint Sag 43.2cm
	20	78.7	92.1	50,400			36,200									
	23	76.8	91.5	41,100			34,900									
	26	74.8	90.7	33,900			30,400									
	29	72.9	89.8	28,500			25,600									
	32	70.9	88.8	24,300			22,000									
	35	68.9	87.7	20,900			19,100									
	38	66.8	86.4	18,000			16,600									
	41	64.8	85.0	15,700			14,500									
	44	62.7	83.5	13,800			12,700									
	47	60.5	81.9	12,000			11,100									
	50	58.3	80.1	10,600			9,700									
	53	56.1	78.1	9,300			8,500									
	56	53.8	76.0	8,100			7,400									
	59	51.4	73.7	7,100			6,400									
94.5M Midpoint Location 48.8M Midpoint Sag 43.2cm	62	48.9	71.2	6,200	106.7M (94.5M + 12.2M) Midpoint Location 48.8M Midpoint Sag 43.2cm	24.4	* 36,200	112.8M (100.6M + 12.2M) Midpoint Location 48.8M Midpoint Sag 43.2cm	27.4	32,700	30.5	* 18,100	118.8M (97.5M + 21.3M) Midpoint Location 48.8M Midpoint Sag 43.2cm	33.5	12,200	125.0M (94.5M + 30.5M) Midpoint Location 48.8M Midpoint Sag 43.2cm
	65	46.4	68.4	5,300			34,900					* 18,100				
	68	43.7	65.4	* 4,600			30,300					* 18,100				
	71	40.9	62.0	* 3,700			25,600					* 18,100				
	74	37.9	58.3	* 2,900			22,000					* 18,100				
	77	34.7	54.2	* 2,200			19,000					* 18,100				
	79.2	32.1	50.7	* 1,900			16,600					* 18,100				
	21.3	78.2	95.0	46,000			14,400					* 18,100				
	23	77.2	94.6	41,000			12,600					* 18,100				
	26	75.3	93.8	33,800			11,000					* 18,100				
	29	73.4	93.0	28,500			9,600					* 18,100				
	32	71.5	92.0	24,200			8,400					* 18,100				
	35	69.6	90.9	20,800			7,300					* 18,100				
	38	67.6	89.7	18,000			6,300					* 18,100				
	41	65.6	88.4	15,700			5,500					* 18,100				
	44	63.6	87.0	13,700			4,700					* 18,100				
97.5M Midpoint Location 48.8M Midpoint Sag 43.2cm	47	61.6	85.4	12,000			3,900					* 18,100				
	50	59.5	83.7	10,500			3,100					* 18,100				
	53	57.3	81.8	9,200			2,400					* 18,100				
	56	55.1	79.8	8,100			2,000					* 18,100				
	59	52.9	77.6	7,000			1,800					* 18,100				
	62	50.5	75.2	6,100			1,600					* 18,100				
	65	48.1	72.6	5,300			1,400					* 18,100				
	68	45.6	69.7	* 4,500			1,200					* 18,100				
	71	43.0	66.6	* 3,700			1,000					* 18,100				
	74	40.2	63.2	* 2,800			800					* 18,100				
	77	37.3	59.4	* 2,200			700					* 18,100				
	79.2	35.0	56.3	* 1,800			600					* 18,100				
	21.3	78.6	98.1	* 45,300			500					* 18,100				
	23	77.6	97.7	40,800			400					* 18,100				
	26	75.8	97.0	33,800			300					* 18,100				
100.6M Midpoint Location 48.8M Midpoint Sag 43.2cm	29	74.0	96.2	28,400			200					* 18,100				
	32	72.1	95.2	24,200			150					* 18,100				
	35	70.2	94.2	20,800			100					* 18,100				
	38	68.4	93.0	18,000			75					* 18,100				
	41	66.4	91.8	15,600			50					* 18,100				
	44	64.5	90.4	13,600			30					* 18,100				
	47	62.5	88.9	11,900			20					* 18,100				
	50	60.5	87.2	10,400			15					* 18,100				
	53	58.5	85.4	9,100			10					* 18,100				
	56	56.4	83.5	7,900			7					* 18,100				
	59	54.2	81.4	6,900			5					* 18,100				
	62	52.0	79.1	6,000			3					* 18,100				
	65	49.7	76.6	5,200			2					* 18,100				
	68	47.4	73.9	4,400			1					* 18,100				
	71	44.9	71.0	3,600			0					* 18,100				
	74	42.3	67.8	* 2,800			0					* 18,100				
	77	39.6	64.3	* 2,100			0					* 18,100				
	79.2	37.5	61.5	* 1,800			0					* 18,100				

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.



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)

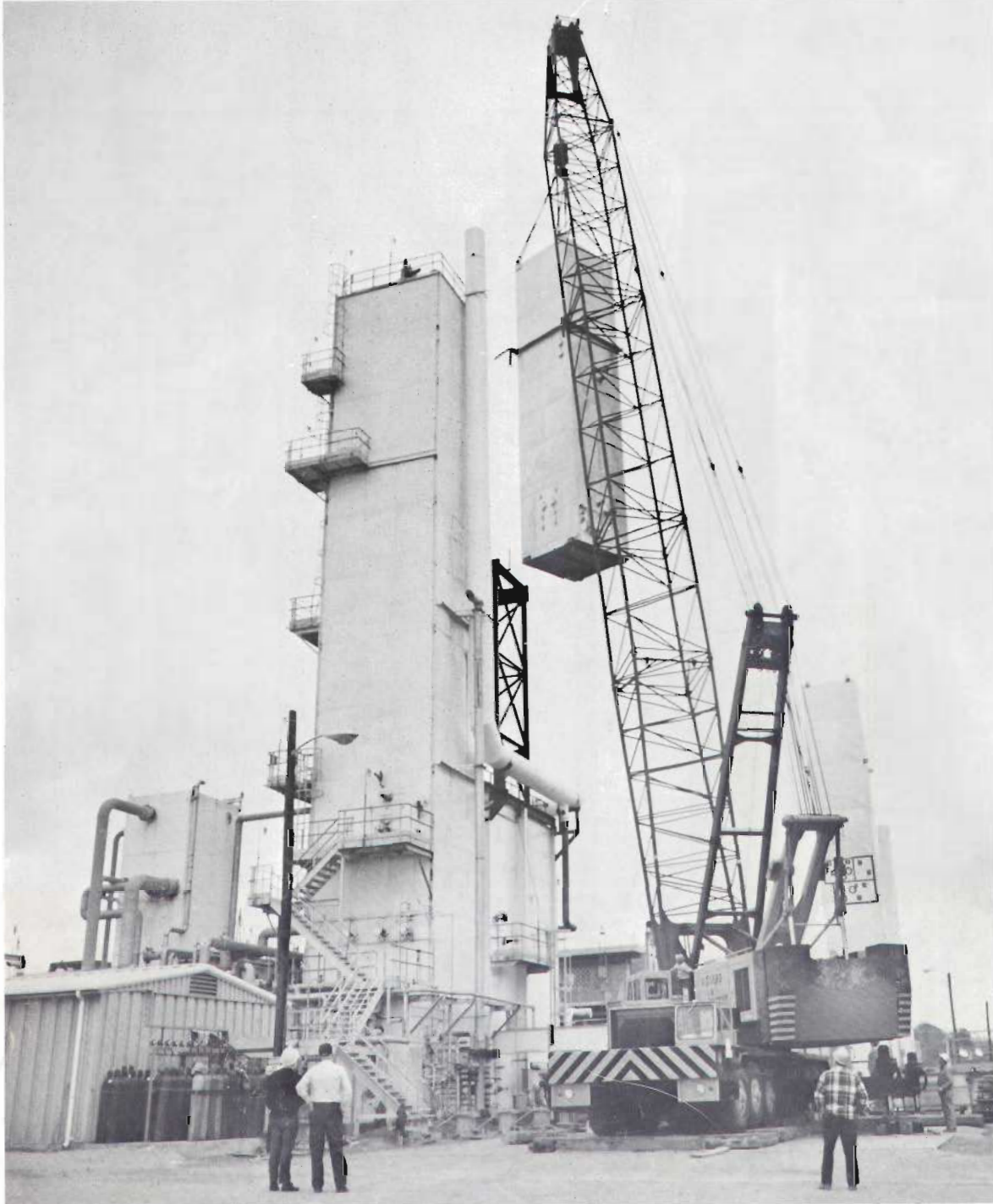
TUBULAR BOOM 300 TON CLASS 18-2831										CRANE LIFTING CAPACITIES MACHINE EQUIPPED WITH STANDARD OUTRIGGERS, AUXILIARY OUTRIGGERS (SIDE, FRONT, AND REAR), AND BUMPER COUNTERWEIGHT													
BOOM					CAPACITY	BOOM					CAPACITY	BOOM					CAPACITY	BOOM					CAPACITY
L	R	A	H			L	R	A	H	L		R	A	H	L	R		A	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
80'	60'	40.0	52.0'		159,000	160'	100'	51.5	124.7'		73,500	220'	120'	57.3	184.4'		50,800	270'	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
	25'	77.0	86.1'		*480,100		120'	40.7	105.0'		55,600		140'	50.5	169.5'		*40,200		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		35'	79.9	165.8'		*287,250		180'	34.1	124.8'		25,900		200'	41.8	180.6'		16,300
	50'	57.3	74.8'		*208,900		40'	78.1	164.8'		247,500		190'	28.8	108.1'		23,200		210'	38.4	168.6'		13,700
90'	60'	48.1	66.8'		158,900	170'	45'	76.3	163.6'		216,000	230'	200'	22.3	86.6'		20,800	280'	220'	34.6	154.9'		11,400
	70'	37.2	55.3'		125,700		50'	74.4	162.2'		190,600		210'	13.1	54.3'		18,600		230'	30.5	139.0'		9,300
	80'	21.9	36.6'		103,300		60'	70.6	158.9'		152,400		220'	50'	78.7	224.0'		*173,100	240'	25.7	119.9'		7,300
	25'	78.5	96.4'		*479,400		70'	66.8	154.9'		124,900		230'	60'	76.0	221.7'		*133,800	250'	20.0	95.7'		5,800
	30'	75.2	95.1'		*390,800		80'	62.8	150.0'		102,500		240'	70'	73.3	218.8'		*108,200	260'	11.7	39.4'		4,600
	35'	71.9	93.5'		*325,000		90'	58.6	144.2'		85,900		250'	80'	70.6	215.5'		89,900	60'	78.6	273.0'		*133,000
	40'	68.5	91.6'		278,700		100'	54.3	137.4'		73,300		260'	90'	67.8	211.6'		76,500	70'	76.5	270.7'		*107,700
	45'	65.0	89.3'		242,300		110'	49.7	129.4'		63,400		270'	100'	64.9	207.1'		66,100	80'	74.3	268.0'		89,400
100'	50'	61.3	86.6'		*208,800	180'	120'	44.8	119.9'		55,400	240'	110'	62.0	202.0'		57,700	290'	90'	72.0	264.9'		76,000
	60'	53.7	79.9'		158,800		130'	39.4	108.6'		48,900		120'	59.0	196.2'		50,700		100'	69.8	261.4'		65,600
	70'	45.1	70.9'		125,600		140'	33.2	94.6'		*43,200		130'	55.9	189.7'		*45,000		110'	67.5	257.4'		57,200
	80'	34.9	58.5'		103,200		150'	25.7	76.3'		*37,800		140'	52.7	182.4'		*40,100		120'	65.2	253.0'		50,200
	90'	20.6	38.3'		86,800		160'	15.1	48.4'		*33,000		150'	49.3	174.1'		*35,700		130'	62.8	248.0'		44,500
	25'	79.7	106.7'		*479,300		40'	78.8	175.0'		*240,700		160'	45.7	164.8'		*31,900		140'	60.4	242.5'		39,000
	30'	76.7	105.5'		*390,700		45'	77.1	173.9'		*208,000		170'	41.9	154.2'		*28,500		150'	57.9	236.4'		33,900
	35'	73.7	104.1'		*321,300		50'	75.3	172.6'		*182,400		180'	37.8	142.0'		*25,500		160'	55.4	229.7'		29,500
110'	40'	70.7	102.4'		273,600	190'	60'	71.8	169.5'		*144,900	250'	190'	33.3	127.7'		*22,900	300'	170'	52.7	222.4'		25,600
	45'	67.6	100.3'		237,800		70'	68.2	165.8'		*118,800		200'	28.1	110.5'		*20,500		180'	50.0	214.3'		22,100
	50'	64.5	98.0'		*208,700		80'	64.5	161.2'		99,600		210'	21.8	88.5'		*18,400		190'	47.1	205.3'		19,000
	60'	57.8	92.2'		158,700		90'	60.7	155.9'		84,900		220'	12.8	55.3'		*16,400		200'	44.2	195.4'		16,200
	70'	50.7	84.7'		125,500		100'	56.7	149.7'		72,500		230'	50'	79.2	234.2'		*173,000	210'	41.0	184.4'		13,600
	80'	42.6	74.8'		103,100		110'	52.5	142.4'		62,600		240'	60'	76.7	232.0'		*133,700	220'	37.6	172.0'		11,300
	90'	33.0	61.4'		86,700		120'	48.1	133.9'		54,600		250'	70'	74.1	229.3'		*108,100	230'	33.9	157.9'		9,200
	100'	19.4	40.0'		74,500		130'	43.4	123.9'		48,000		260'	80'	71.5	226.1'		89,800	240'	29.9	141.6'		7,200
120'	40'	77.9	115.8'		*390,600	200'	140'	38.1	112.0'		42,500	260'	90'	68.8	222.4'		76,400	310'	250'	25.2	122.1'		5,700
	45'	75.3	114.5'		*321,200		150'	32.2	97.4'		*37,700		100'	61.8	218.1'		66,000		260'	19.6	92.4'		4,500
	50'	72.5	112.9'		272,400		160'	24.9	78.5'		*32,900		110'	63.3	213.3'		57,600		60'	79.0	283.2'		*130,600
	55'	69.8	111.1'		235,800		170'	14.6	49.6'		30,400		120'	60.5	207.9'		50,600		70'	76.8	281.0'		*107,600
	60'	66.9	109.0'		207,300		40'	79.4	185.2'		*239,100		130'	57.6	201.7'		44,900		80'	74.9	278.4'		89,300
	65'	61.1	103.9'		158,600		45'	77.8	184.2'		*204,100		140'	54.6	194.9'		39,600		90'	72.7	275.5'		75,900
	70'	54.9	97.4'		125,400		50'	76.2	183.0'		*177,900		150'	51.4	187.2'		34,900		100'	70.5	272.1'		65,500
	80'	48.1	89.1'		103,000		60'	72.9	180.1'		*140,100		160'	48.1	178.6'		30,800		110'	68.3	268.2'		57,100
130'	90'	40.5	78.5'		86,600	210'	70'	69.5	176.5'		*114,400	270'	170'	41.0	168.9'		*27,100	320'	120'	66.1	264.0'		50,100
	100'	31.4	64.1'		74,200		80'	66.0	172.3'		95,500		180'	37.0	145.3'		*23,900		130'	63.9	259.2'		44,400
	110'	18.5	41.5'		64,400		90'	62.5	167.3'		81,800		190'	30.0	145.3'		*21,000		140'	61.5	254.0'		38,900
	25'	79.0	126.0'		*389,000		100'	58.8	161.6'		70,800		200'	32.5	130.6'		*18,400		150'	59.2	248.2'		33,800
	30'	76.5	124.8'		*319,200		110'	55.0	154.9'		61,900		210'	27.5	113.0'		*16,100		160'	56.8	241.9'		29,400
	35'	74.0	123.4'		270,100		120'	50.9	147.1'		54,500		220'	21.3	90.4'		*14,000		170'	54.3	234.9'		25,500
	40'	71.5	121.8'		233,200		130'	46.7	138.2'		47,900		230'	12.5	56.4'		12,000		180'	51.7	227.2'		22,000
	45'	6																					

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' (300' + 40')	80'	*80,000	90'	72,200	90'	*63,000	400' (310' + 90')	110'	*31,000			
	70'	77.8	301.5'	*105,500		90'	72,800	100'	60,800	100'	62,100		120'	*31,000			
	80'	75.9	299.1'	89,100		100'	61,400	110'	51,800	110'	52,900		130'	*31,000			
	90'	73.9	296.4'	75,700		110'	52,400	120'	44,500	120'	45,400		140'	*31,000			
	100'	71.9	293.2'	65,300		120'	45,100	130'	38,400	130'	39,200		150'	*31,000			
	110'	69.9	289.7'	56,900		130'	39,100	140'	33,300	140'	34,000		160'	29,300			
	120'	67.8	285.7'	49,900		140'	34,000	150'	28,900	150'	29,500		170'	25,800			
	130'	65.7	281.4'	*44,200		150'	29,700	160'	25,700	160'	25,700		180'	22,700			
	140'	63.6	276.6'	*38,700		160'	25,900	170'	21,900	170'	22,300		190'	20,000			
	150'	61.4	271.3'	*33,600		170'	22,600	180'	19,000	180'	19,400		200'	17,600			
Midpoint Location 160'	160'	59.2	265.5'	*29,200	Midpoint Location 160'	180'	19,800	190'	16,500	190'	16,800	Midpoint Sag 17"	210'	15,400			
	170'	57.0	259.2'	*25,300		190'	17,200	200'	14,200	200'	14,500		220'	13,400			
	180'	54.7	252.3'	*21,800		200'	15,000	210'	12,100	210'	12,400		230'	11,600			
	190'	52.3	244.8'	*18,700		210'	12,900	220'	10,300	220'	10,500		240'	10,000			
	200'	49.8	236.6'	*15,900		220'	11,100	230'	8,400	230'	8,600		250'	8,400			
	210'	47.2	227.7'	*13,300		230'	9,300	240'	6,700	240'	6,800		260'	6,900			
	220'	44.6	217.9'	*11,000		240'	7,600	250'	5,100	250'	5,200			110'	*27,000		
	230'	41.8	207.1'	*8,900		250'	6,100	260'	4,600	260'	4,700			120'	*27,000		
	240'	38.8	195.2'	*6,900		80'	*80,000	90'	72,200	90'	*63,000			130'	*27,000		
	250'	35.6	181.8'	*5,400		90'	72,800	100'	60,700	100'	*40,000			140'	*27,000		
260'	32.1	166.7'	*4,200	100'	61,300	110'	51,700	110'	*40,000	150'	*27,000						
110'	70.5	300.3'	56,800	110'	52,300	120'	44,300	120'	*40,000	160'	*27,000						
310'	120'	68.6	296.5'	49,800	350' (310' + 40')	120'	45,000	130'	38,200	130'	*40,000	(310' + 100')	170'	26,100			
	130'	66.6	292.3'	*44,100		130'	39,000	140'	33,100	140'	35,900		180'	22,600			
	140'	64.5	287.7'	*38,600		140'	33,900	150'	28,800	150'	31,300		190'	20,300			
	150'	62.4	282.7'	*33,500		150'	29,500	160'	25,000	160'	27,400		200'	17,800			
	160'	60.3	277.1'	*29,100		160'	25,800	170'	21,700	170'	24,000		210'	15,600			
	170'	58.2	271.1'	*25,200		170'	22,500	180'	18,800	180'	21,000		220'	13,600			
	180'	56.0	264.5'	*21,700		180'	19,700	190'	16,200	190'	18,300		230'	11,800			
	190'	53.7	257.4'	*18,600		190'	17,100	200'	13,900	200'	15,900		240'	10,200			
	200'	51.4	249.7'	*15,800		200'	14,800	210'	11,900	210'	13,800		250'	8,600			
	210'	48.9	241.2'	*13,200		210'	12,800	220'	10,000	220'	11,800		260'	7,100			
Midpoint Location 160'	220'	46.4	232.0'	*10,900	Midpoint Location 160'	220'	11,000	230'	8,100	230'	8,300	Midpoint Sag 17"	270'	5,600			
	230'	43.8	221.9'	*8,800		230'	9,200	240'	6,400	240'	6,700		280'	4,300			
	240'	41.0	210.8'	*6,800		240'	7,500	250'	5,900	250'	6,100						
	250'	38.1	198.6'	*5,300		250'	5,900	260'	4,800	260'	5,000						
	260'	35.0	185.0'	*4,100		260'	4,400										
	320'	70'	78.2	311.8'		*102,800	370' (330' + 40')	80'	*80,000	90'	72,100		90'	*40,000	(310' + 100')	140'	*27,000
		80'	76.3	309.5'		*87,900		90'	72,700	100'	60,700		100'	*40,000		150'	*27,000
		90'	74.4	306.8'		75,600		100'	61,300	110'	51,700		110'	*40,000		160'	*27,000
		100'	72.5	303.7'		65,200		110'	52,300	120'	44,300		120'	*40,000		170'	26,100
		110'	70.5	300.3'		56,800		120'	45,000	130'	38,200		130'	*40,000		180'	22,600
120'		68.6	296.5'	49,800	130'	39,000		140'	33,100	140'	35,900	190'	20,300				
130'		66.6	292.3'	*44,100	140'	33,900		150'	28,800	150'	31,300	200'	17,800				
140'		64.5	287.7'	*38,600	150'	29,500		160'	25,000	160'	27,400	210'	15,600				
150'		62.4	282.7'	*33,500	160'	25,800		170'	21,700	170'	24,000	220'	13,600				
160'		60.3	277.1'	*29,100	170'	22,500		180'	18,800	180'	21,000	230'	11,800				
Midpoint Location 160'	170'	58.2	271.1'	*25,200	Midpoint Location 160'	180'	19,700	190'	16,200	190'	18,300	Midpoint Sag 17"	240'	10,200			
	180'	56.0	264.5'	*21,700		190'	17,100	200'	13,900	200'	15,900		250'	8,600			
	190'	53.7	257.4'	*18,600		200'	14,800	210'	11,900	210'	13,800		260'	7,100			
	200'	51.4	249.7'	*15,800		210'	12,800	220'	10,000	220'	11,800		270'	5,600			
	210'	48.9	241.2'	*13,200		220'	11,000	230'	8,100	230'	8,300		280'	4,300			
	220'	46.4	232.0'	*10,900		230'	9,200	240'	6,400	240'	6,700						
	230'	43.8	221.9'	*8,800		240'	7,500	250'	5,900	250'	6,100						
	240'	41.0	210.8'	*6,800		250'	5,900	260'	4,800	260'	5,000						
	250'	38.1	198.6'	*5,300		260'	4,400										
	260'	35.0	185.0'	*4,100													

BOOM					BOOM					BOOM					BOOM					BOOM														
L	R	A	H	CAPACITY	L	R	A	H	CAPACITY	L	R	A	H	CAPACITY	L	R	A	H	CAPACITY	L	R	A	H	CAPACITY										
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	Midpoint Location 42.7M	20.3	76.9	79.6	*53,510	82.3M	18.3	78.6	83.1	*60,330					
	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		22	75.3	82.0	*43,980		20	77.4	82.8	*53,430					
	8	74.1	22.9	*207,720		12	77.5	47.1	*118,300		18	75.6	64.4	*62,420		23	74.7	78.9	*44,020		26	72.4	77.9	*37,150		23	75.3	82.0	*43,980					
	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		29	70.1	76.9	*31,950		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		32	67.8	75.7	*27,800		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		35	65.4	74.4	*24,380		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		38	63.0	72.9	*21,560		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		41	60.5	71.3	*19,080		38	63.0	72.9	*21,560					
24.4M	21	25.9	11.3	58,720	45.7M	24	61.3	42.4	*47,820	Midpoint Sag 15.2cm	36	58.0	56.5	*23,640	Midpoint Sag 25.4cm	44	58.0	69.5	*16,690	Midpoint Sag 25.4cm	47	55.4	67.5	*14,550	Midpoint Sag 25.4cm	50	52.7	65.3	*12,690	Midpoint Sag 25.4cm	53	49.9	62.8	*11,020
	23	23.6	10.5	57,060		27	56.9	40.6	*40,110		39	54.7	54.5	*20,980		47	55.4	67.5	*14,550		50	52.7	65.3	*12,690		56	47.0	60.1	*9,520					
	7.6	77.0	26.2	*217,770		30	52.3	38.4	*34,230		42	51.3	52.2	*18,720		50	52.7	65.3	*12,690		53	49.9	62.8	*11,020		59	43.9	57.1	*8,190					
	9	73.7	25.8	*181,130		33	47.3	35.8	*29,620		45	47.8	49.6	*16,770		53	49.9	62.8	*11,020		56	47.0	60.1	*9,520		62	40.7	53.8	*6,790					
	11	68.6	25.1	*144,350		36	41.8	32.6	*25,900		48	44.0	46.6	*15,110		56	47.0	60.1	*9,520		59	43.9	57.1	*8,190		65	37.2	50.0	*5,850					
	13	63.4	24.1	*119,080		39	35.7	28.8	*22,870		51	39.9	43.2	*13,560		59	43.9	57.1	*8,190		62	40.7	53.8	*6,790		68	33.4	45.7	*4,860					
	15	58.0	22.9	*97,300		42	28.5	23.9	*20,320		54	35.5	39.2	*12,140		62	40.7	53.8	*6,790		65	37.2	50.0	*5,850		71	29.2	40.7	*3,940					
	18	49.0	20.6	*74,220		45	18.8	16.8	*18,180		57	30.5	34.5	*10,880		65	37.2	50.0	*5,850		68	33.4	45.7	*4,860		74	24.3	34.6	*3,100					
27.4M	21	38.5	17.3	58,680	48.8M	47.4	15.6	14.3	17,690	67.1M	60	24.5	28.6	*9,770	Midpoint Sag 25.4cm	68	33.4	45.7	*4,860	Midpoint Sag 25.4cm	71	29.2	40.7	*3,940	Midpoint Sag 25.4cm	74	24.3	34.6	*3,100	Midpoint Sag 25.4cm	77	18.2	26.7	*2,470
	24	24.4	12.1	48,460		10.7	79.9	50.5	*130,270		63	16.7	20.4	*8,760		71	29.2	40.7	*3,940		74	24.3	34.6	*3,100		77	18.2	26.7	*2,470					
	24.4	21.9	11.1	46,860		11	79.5	50.4	*126,340		64	13.1	16.5	*8,440		74	24.3	34.6	*3,100		77	18.2	26.7	*2,470		79.2	11.7	18.0	*2,090					
	7.6	78.5	29.3	*217,450		12	78.3	50.2	*124,520		15.2	78.7	68.2	*78,520		77	18.2	26.7	*2,470		82.3M	18.3	78.6	83.1	*60,330	18.3	78.6	83.1	*60,330					
	9	75.5	29.0	*181,050		13	77.1	50.0	*104,680		16	78.1	68.1	*74,070		82.3M	18.3	78.6	83.1	*60,330	20	77.4	82.8	*53,430	20	77.4	82.8	*53,430						
	11	71.1	28.3	*142,840		14	75.9	49.7	*95,830		19	75.4	67.3	*57,970		23	75.3	82.0	*43,980	23	75.3	82.0	*43,980	23	75.3	82.0	*43,980							
	13	66.6	27.5	*117,660		15	74.7	49.5	*88,260		22	72.7	66.4	*47,270		26	72.4	77.9	*37,150	26	72.4	77.9	*37,150	26	72.4	77.9	*37,150							
	15	61.9	26.5	*97,100		18	71.0	48.5	*70,760		25	70.0	65.4	*39,550		29	70.9	80.1	*31,900	29	70.9	80.1	*31,900	29	70.9	80.1	*31,900							
30.5M	18	54.4	24.5	*74,170		21	67.2	47.3	*58,020		28	67.3	64.2	*33,820		32	68.7	79.0	*27,760	32	68.7	79.0	*27,760	32	68.7	79.0	*27,760							
	21	46.1	21.9	*58,630		24	63.3	45.9	*47,770		31	64.4	62.8	*29,330		35	66.4	77.7	*24,330	35	66.4	77.7	*24,330	35	66.4	77.7	*24,330							
	24	36.3	18.3	*48,090		27	59.2	44.2	*40,020		34	61.6	61.3	*25,670		38	64.1	76.3	*21,510	38	64.1	76.3	*21,510	38	64.1	76.3	*21,510							
	27	23.1	12.8	40,420		30	55.0	39.2	*29,530		37	58.6	59.5	*22,640		41	61.7	74.8	*19,030	41	61.7	74.8	*19,030	41	61.7	74.8	*19,030							
	30.5	19.4	12.1	33,790		33	50.5	32.1	*25,816		40	55.5	57.5	*20,130		44	59.3	73.1	*16,650	44	59.3	73.1	*16,650	44	59.3	73.1	*16,650							
	7.6	79.7	32.5	*217,410		36	45.7	37.1	*22,870		43	52.3	55.3	*17,970		47	56.8	71.2	*14,500	47	56.8	71.2	*14,500	47	56.8	71.2	*14,500							
	9	77.0	32.1	*181,010		39	40.5	33.8	*22,780		46	49.0	52.8	*16,030		50	54.3	69.1	*12,640	50	54.3	69.1	*12,640	50	54.3	69.1	*12,640							
	11	73.1	31.6	*141,020		42	34.6	29.8	*20,160		49	45.4	50.0	*14,350		53	51.7	66.8	*10,970	53	51.7	66.8	*10,970	53	51.7	66.8	*10,970							
33.5M	13	69.1	30.8	*115,490		45	28.4	27.4	*15,510		52	41.7	46.7	*12,840		56	48.9	64.3	*9,470	56	48.9	64.3	*9,470	56	48.9	64.3	*9,470							
	15	65.0	29.9	*96,730		48.8	15.1	14.7	*14,970		55	37.6	43.1	*11,510		59	46.1	61.5	*8,150	59	46.1	61.5	*8,150	59	46.1	61.5	*8,150							
	18	58.5	28.2	*74,130		12.2	78.8	53.3	*109,180		58	33.1	38.8	*10,350		62	43.1	58.4	*6,930	62	43.1	58.4	*6,930	62	43.1	58.4	*6,930							
	21	51.5	26.0	*58,590		13	77.9	53.1	*101,310		61	21.8	27.0	*8,350		65	39.9	54.9	*5,810	65	39.9	54.9	*5,810	65	39.9	54.9	*5,810							
	24	43.7	23.2	*48,050		14	76.8	52.9	*92,180		64	13.8	17.1	*7,450		68	36.5	51.1	*4,820	68	36.5	51.1	*4,820	68	36.5	51.1	*4,820							
	27	34.5	19.3	*40,380		15	75.6	52.6	*84,560		67	13.0	17.1	*7,450		71	28.7	41.6	*3,060	71	28.7	41.6	*3,060	71	28.7	41.6	*3,060							
	30	22.1	13.5	*34,660		18	72.1	51.7	*67,330		67.1	12.8	16.8	*7,440		74	23.9	35.4	*2,430	74	23.9	35.4	*2,430	74	23.9	35.4	*2,430							
	30.5	19.4	12.1	33,790		21	68.6	50.6	*55,190		15.2	79.2	71.3	*78,470		79.2	19.6	29.6	*2,040	79.2	19.6	29.6	*2,040	79.2	19.6	29.6	*2,040							
36.6M	9.1	77.9	35.2	*177,170	51.8M	24	65.0	49.3	*46,270	70.1M	16	78.6	71.2	*74,020	Midpoint Location 33.5M	18.3	79.0	86.3	*59,240	Midpoint Location 33.5M	20	77.9	85.9	*53,120	Midpoint Location 33.5M	23	75.8	85.2	*44,000	Midpoint Location 33.5M	26	73.7	84.3	*37,060
	11	74.7	34.8	*140,860		27	61.2	47.7	*39,450		19	76.1	70.5																					

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 Midpoint Location 48.8M Midpoint Sag 43.2cm	18.3	79.8	92.5	* 56,610	103.6M (91.4M + 12.2M)	24.4	* 36,200	27.4	32,700	27.4	* 28,500	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	32	25,400	32	26,200	38	* 14,000			
	26	74.8	90.7	37,020		29	30,400	35	21,800	35	22,200	41	* 14,000			
	29	72.9	89.8	31,770		32	25,600	38	18,800	38	19,200	44	* 14,000			
	32	70.9	88.8	27,620		35	22,000	41	16,300	41	16,600	47	13,800			
	35	68.9	87.7	24,190		38	19,100	44	14,100	44	14,400	50	12,600			
	38	66.8	86.4	21,380		41	16,600	47	12,400	47	12,600	53	11,100			
	41	64.8	85.0	* 18,900		44	14,500	50	10,900	50	11,000	56	9,800			
	44	62.7	83.5	* 16,510		47	12,700	53	9,300	53	9,500	59	8,600			
	47	60.5	81.9	* 14,360		50	11,100	56	8,100	56	8,300	62	7,600			
	50	58.3	80.1	* 12,500		53	9,700	59	7,000	59	7,200	65	6,600			
	53	56.1	78.1	* 10,840		56	8,500	62	6,100	62	6,200	68	5,800			
	56	53.8	76.0	* 9,340		59	7,400	65	5,200	65	5,300	71	5,000			
	59	51.4	73.7	* 8,010		62	6,400	68	4,400	68	4,400	74	4,300			
62	48.9	71.2	* 6,790	65	5,500	71	3,500	71	3,600	77	3,600					
65	46.4	68.4	* 5,670	68	4,700	74	2,800	74	2,800	79.2	3,100					
68	43.7	65.4	* 4,680	71	3,900	76.2	2,300	76.2	2,300							
71	40.9	62.0	* 3,760	74	3,200											
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													
94.5M Midpoint Location 48.8M Midpoint Sag 43.2cm	21.3	78.2	95.0	* 46,630	106.7M (94.5M + 12.2M)	24.4	* 36,200	27.4	32,700	27.4	* 28,500	33.5	* 12,200			
	23	77.2	94.6	* 42,770		26	34,900	29	29,800	29	* 28,100	35	* 12,200			
	26	75.3	93.8	36,780		29	30,300	35	25,300	35	* 28,100	41	* 12,200			
	29	73.4	93.0	31,750		32	25,600	38	21,700	38	* 28,100	44	* 12,200			
	32	71.5	92.0	27,570		35	22,000	41	18,700	41	17,400	47	* 12,200			
	35	69.6	90.9	24,150		38	19,000	44	16,200	44	15,300	50	* 12,200			
	38	67.6	89.7	21,330		41	16,600	47	14,100	47	13,400	53	11,200			
	41	65.6	88.4	* 18,850		44	14,400	50	12,300	50	11,700	56	9,800			
	44	63.6	87.0	* 16,470		47	12,600	53	10,700	53	10,300	59	8,800			
	47	61.6	85.4	* 14,320		50	11,000	56	9,300	56	9,000	62	7,700			
	50	59.5	83.7	* 12,460		53	9,600	59	8,000	59	7,800	65	6,700			
	53	57.3	81.8	* 10,790		56	8,400	62	6,900	62	6,800	68	5,900			
	56	55.1	79.8	* 9,290		59	7,300	65	5,900	65	5,900	71	5,100			
	59	52.9	77.6	* 7,970		62	6,300	68	5,100	68	5,100	74	4,400			
	62	50.5	75.2	* 6,750		65	5,500	71	4,400	71	4,300	77	3,700			
65	48.1	72.6	* 5,630	68		4,700	74	3,400	74	3,500	80	3,000				
68	45.6	69.7	* 4,630	71		3,900	76.2	2,600	76.2	2,800	83	2,300				
71	43.0	66.6	* 3,710	74		3,100			79.2	2,300	85.3	1,900				
74	40.2	63.2	* 2,870	77		2,400										
77	37.3	59.4	* 2,240	79.2		2,000										



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CLARK Lima
Division

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