

MANITOWOC

2900WC

LIFTCRANE

PILEDRIVER



specifications

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(A Division of The Manitowoc Company, Inc.)

Courtesy of Crane.Market

2900WC

MANITOWOC

- 11' 1" crawler width for close-quarter portability . . . quickly converted to
- 18' 8" crawler width for wide-track, maximum-lift stability
- Independent hydraulic drive crawlers for on-axis short turning radius . . . crawlers may be driven in opposite directions independently
- Low clearance profile . . . 12' overall height with gantry down

SPECIFICATIONS

POWER

BASIC — Cummins HS-672-B (previously HS-6-B1) Diesel with three stage Twin Disc torque converter; 6 cylinder; 4 $\frac{7}{8}$ " bore, 6" stroke; 672 cu. in. displacement; 180 net H.P. @ 1700 rpm.

OPTIONAL — GM 6-71 Diesel, Model 6055C, with three stage Twin Disc torque converter; 6 cylinder; 4 $\frac{1}{4}$ " bore, 5" stroke; 426 cu. in. displacement; 165 net H.P. @ 1600 rpm with master engine clutch engaged for hoist, swing or travel; 195 net H.P. @ 2000 rpm with master engine clutch disengaged for travel only.

CONTROLS

Travel (hydraulic system)

Swing

Swing Brake

Rear Drum Clutch

Rear Drum Brake

Right Front Drum Clutch

Right Front Drum Brake

Left Front Drum Clutch

Left Front Drum Brake

Independent Boom Hoist

Auxiliary Boom Hoist Brake

Engine Clutch Control

Swing Lock Control

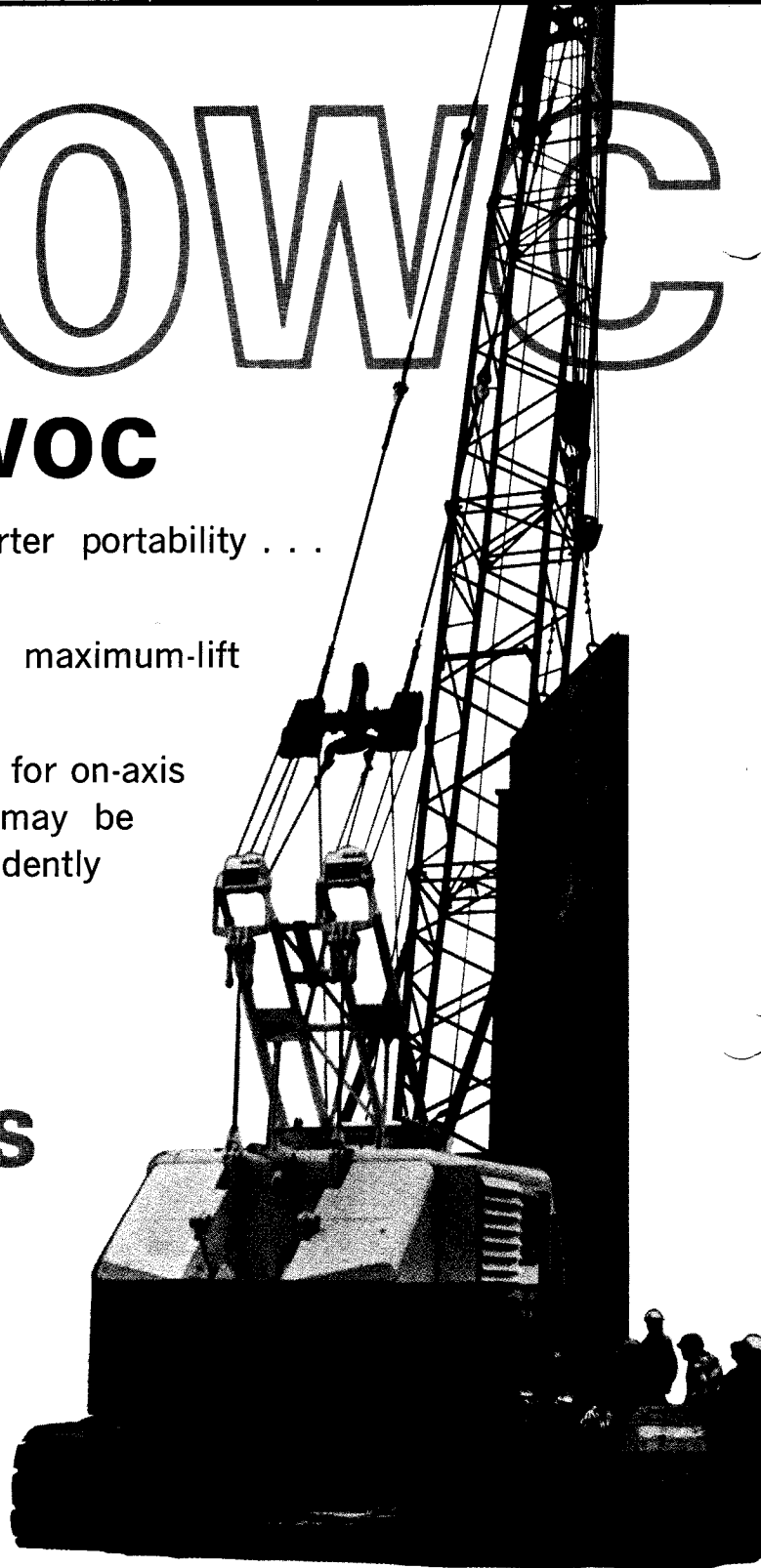
Two-Speed Shift Control

Crawler Brakes — spring applied

Carbody Hydraulic Jacks and Rams (optional)

Carbody Manual Jacks and Rams

	AIR	MANUAL	MANUAL-HYDRAULIC
Travel (hydraulic system)			X
Swing		X	
Swing Brake	X		
Rear Drum Clutch	X		
Rear Drum Brake		X	
Right Front Drum Clutch	X		
Right Front Drum Brake		X	
Left Front Drum Clutch	X		
Left Front Drum Brake		X	
Independent Boom Hoist	X		
Auxiliary Boom Hoist Brake		X	
Engine Clutch Control	X		
Swing Lock Control	X		
Two-Speed Shift Control	X		
Crawler Brakes — spring applied	X		
Carbody Hydraulic Jacks and Rams (optional)			X
Carbody Manual Jacks and Rams		X	



TANK AND GEAR CASE CAPACITY

Fuel Tank	75 Gal.
Cooling System with:	
Cummins HS-672-B	18 Gal.
GM 6-71 (optional)	12 Gal.
Drive Chain Case	3 $\frac{1}{2}$ Gal.
Engine Crankcase with:	
Cummins HS-672-B — less filter	7 Gal.
GM 6-71 (optional) — less filter	4 $\frac{1}{2}$ Gal.
Crawler Drive Transmission (both crawlers)	29 Gal.
Air Compressor	1 Qt.
Hydraulic Travel System	102 Gal.

ROTATING BED

House Rollers — 4: 2 front, 2 rear, anti-friction bearings.

Hook Rollers — 6: 2 front, 4 rear, anti-friction bearings.

Ring Gear — Roller Path: 86½" outside dia. with 4¼" pitch, internal teeth.

DRUM SHAFT DATA

	FRONT DRUM		REAR DRUM
	RIGHT	LEFT	
Drum Diameter	15½"	15½"	16"
Drum Width	10½"	9⅞"	22¼"
Lagging Rod Diameter	1"	21½"	none
Rope Diameter	7/8"	¾"	7/8"
Layer Capacity	42'	65'	98'
No. of Layers	9	5	8
Spooling Capacity	550'	370'	1200'

*Must have lagging — can't be used as bare drum.

SWING CLUTCHES (Main Drive Shaft)

CLUTCH SHAFT: Manitowoc, two (2) piece replaceable clutch friction disc. Roller bearing clutch cams. Anti-friction bearing mounted bevel pinions and clutch components.

SWING SPEED: 0 to 5.0 rpm

HYDRAULIC TRAVEL SYSTEM

Hydraulic Travel System consists of:

- Two stage hydraulic pump mounted on front of power plant, with each stage providing a rated flow of 80 gal. per min. @ 2000 rpm.
- Hydraulic control valves in back of operator, one valve for each crawler.
- Hydraulic motor mounted in each crawler frame, with two speed hydraulic control valve.

Each stage powers one (1) crawler through control system and each hydraulic valve will control hydraulic oil to crawlers from 0 to maximum GPM depending on travel control lever position.

The hydraulic motor in each crawler is a two (2) stage motor. Hydraulic fluid to the motor is routed through a diverting valve providing two travel speeds: total flow through one (1) stage for high speed, or total flow through each of two (2) stages for low speed. Shifting is air controlled.

TRAVEL SPEEDS

	HIGH SPEED	LOW SPEED
Cummins HS-672-B	.81 mph	.42 mph
GM 6-71 (optional)	.96 mph	.50 mph

INDEPENDENT BOOM HOIST

DRUM: Double

CLUTCH SHAFT: Manitowoc, two (2) piece replaceable clutch disc, driven from the rear drum gear. Roller bearing clutch cams. Anti-friction bearing mounted bevel pinions and clutch components.

BRAKE: Automatic spring applied, air released.

AUXILIARY BOOM HOIST BRAKE: Manually controlled.

WORM GEAR & WHEEL: Bronze, fully enclosed, lubricated by circulating oil.

BEARINGS: Anti-friction.

BOOM STOPS

Automatic B.H. Clutch Throwout (air) with exclusive* Manitowoc Telescopic Air Cushioned Boom Stop.

LIFTCRANE BOOM (NO. 16)

The No. 16 Boom is standard on the 2900WC and is of tubular construction with pin joints.

BUTT SECTION: 16' long

Lower End — 45¾" wide

Upper End — 48¾" wide x 38¼" deep

INSERT "SHALLOW": 10' long

Both ends — 48¾" wide x 38¼" deep

May be fitted with a jib backstay lug and a pendant attachment lug.

NOTE: The 10' long shallow insert is used only between the boom butt and upper butt section, and between the boom butt and boom top.

UPPER BUTT SECTION (tapered): 15' long

Lower End — 48¾" wide x 38¼" deep

Upper End — 48¾" wide x 48¾" deep

May be fitted with jib backstay anchor lugs and pendant attachment lugs.

INSERT "DEEP": 10' long

Both Ends — 48¾" wide x 48¾" deep

May be fitted with jib backstay anchor lugs.

INSERT "DEEP": 20' long

Both Ends — 48¾" wide x 48¾" deep

May be fitted with pendant attachment lug or jib backstay anchor lugs.

LOWER TOP SECTION: 15' long

Lower End — 48¾" wide x 48¾" deep

Upper End — 48¾" wide x 38¼" deep

BOOM TOP SECTION: 25' long

Lower End — 48¾" wide x 38¼" deep

Open throat with an upper and lower point, with wire rope dead end anchors for the load line as an integral part of the boom point.

Lower Boom Point includes three (3) tapered roller bearing mounted 24" OD sheaves.

Upper Boom Point consisting of one (1) straight roller bearings mounted, wide flange 27" OD sheave.

NOTE: The upper boom point may have a two (2) straight roller bearings sheave arrangement in place of the single sheave.

EQUALIZER

The equalizer is fitted with 12" OD bushed sheaves. There is an additional sheave mounted ahead of the equalizer that may be used for handling light loads while setting up the boom, or other light work when the machine is rigged with the boom butt only.

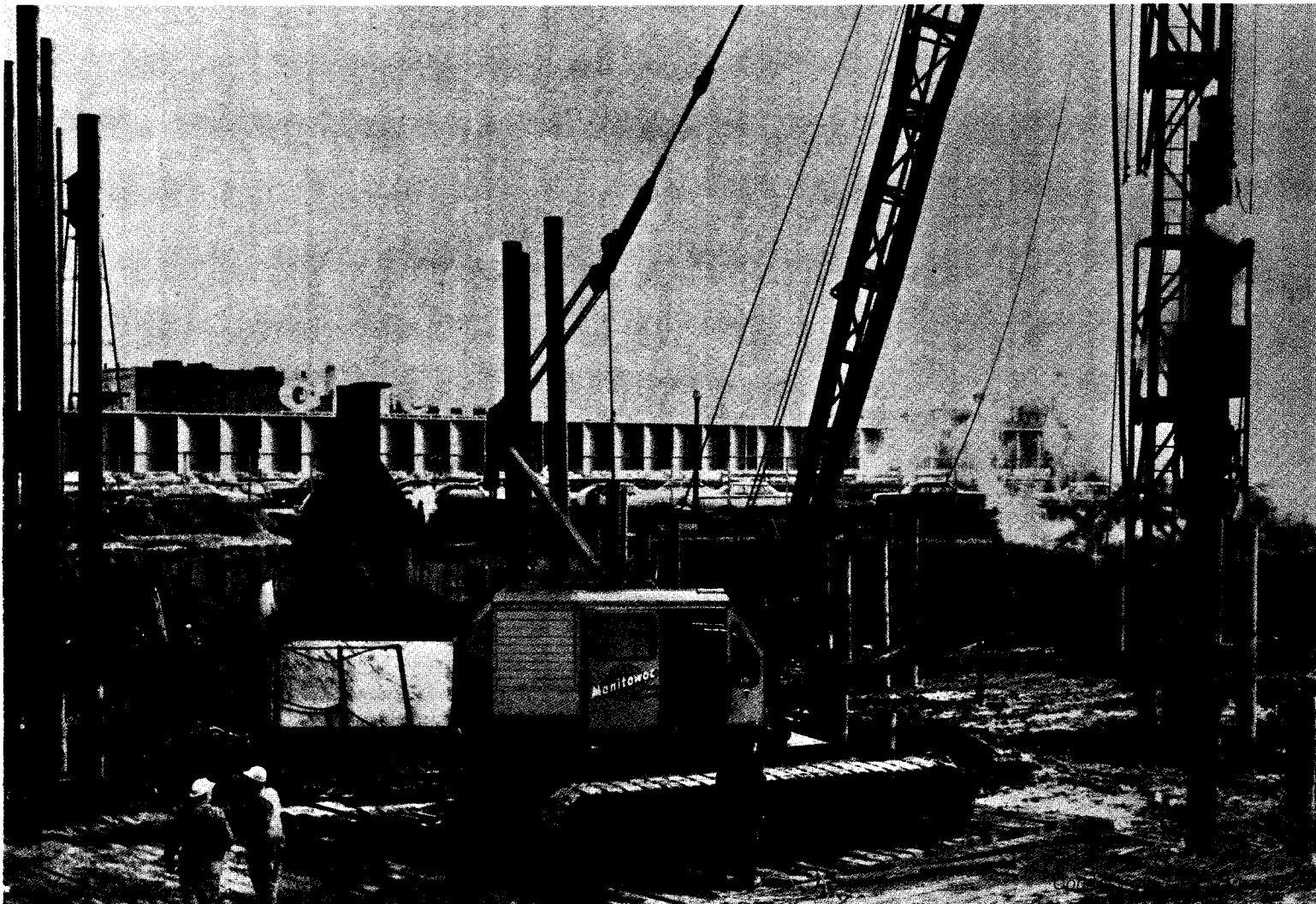
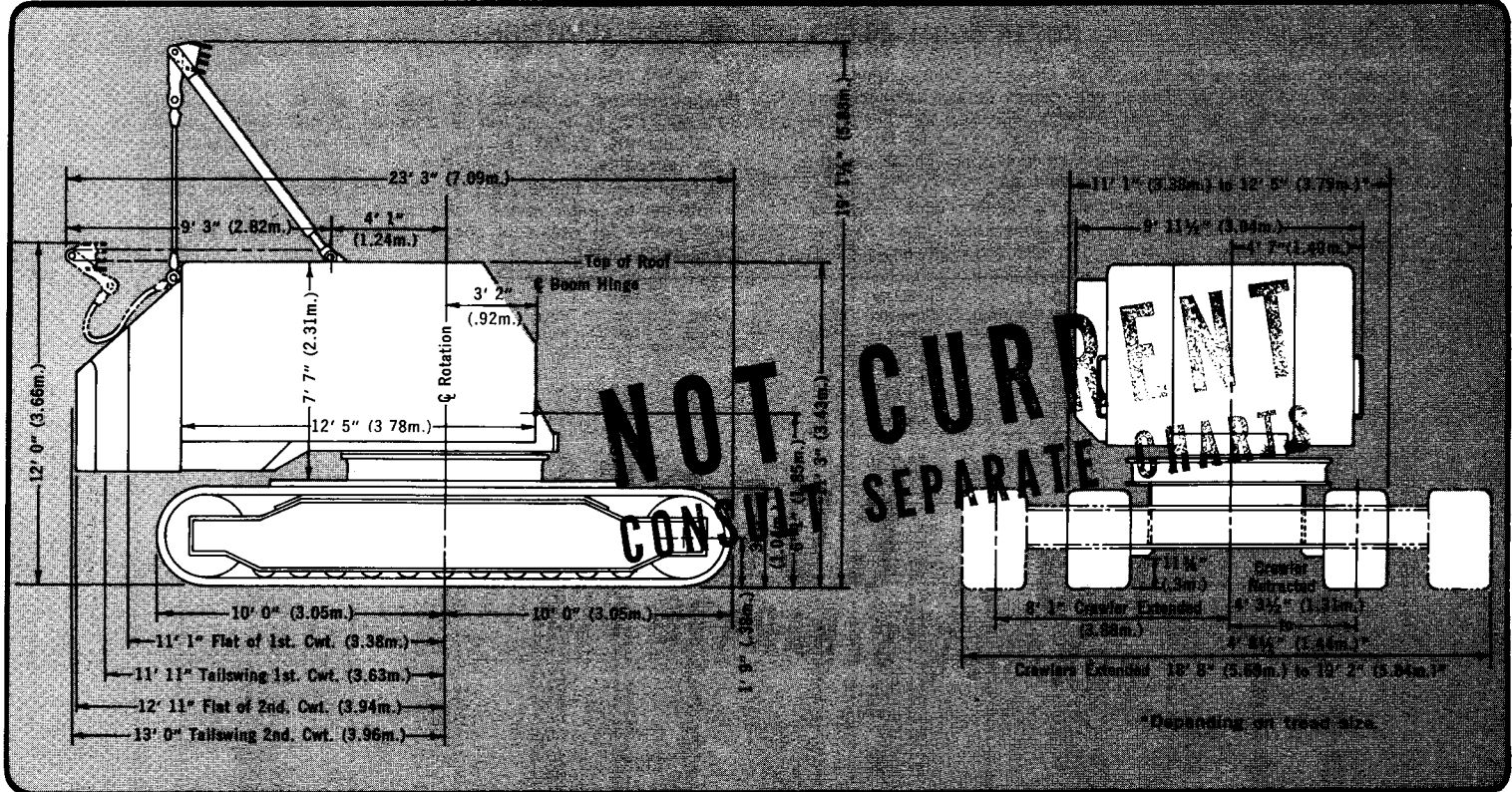
Wire top guides with 12" OD sheaves and rollers are used to guide the hoist wire ropes.

The nine foot retractable gantry is fitted with 12" OD, bushing mounted sheaves. Gantry has pendant type back hitch and hold down links for traveling with gantry down.

CRAWLER DATA

Crawler Length — over ends	20'
⊕ Rotation over Drive Sprocket	10'
⊕ Rotation over Front Roller	10'
Tread Width (36" optional)	30"
Pitch	10¾" (both)
Number of pads per crawler	96
Intermediate Double Flange Rollers Required per Crawler	11
Roller Diameter	12" Dia.
Width of Face (contact area)	3"
Roller Shaft Diameter (stationary)	4" Dia.
Front Double Flange Roller Diameter	33¾" Dia.
Width of Face (contact area)	3"
Roller Shaft Diameter (stationary)	6¼" Dia.
Drive Sprocket Diameter	40-3/16" Dia.
Width of Face (contact area)	4"
Sprocket Shaft Diameter (stationary)	6¼" Dia.
Bearings are Bronze Bushed with center grease pocket.	

OUTLINE DIMENSIONS



LIFTING CAPACITIES

2900WC LIFTCRANE, CRAWLERS RETRACTED AND EXTENDED

NO. 16 BOOM 36,000 LBS. OF COUNTERWEIGHT

Capacities are based on strength of structural components and do not exceed 75% of tipping with boom across crawlers and machine on firm, level ground. Ratings indicated by "*" represent boom positions which, without load, provide less than standard backward stability. Weight of load block, hook, weight ball, slings, etc., is considered part of load.

Machine is to be equipped with 20'-0" extendible width crawlers, 30" treads, 9' retractable gantry, 10 part boom hoist rigging, 1 3/8" pendant bridles, 18,000 lb. first counterweight and 18,000

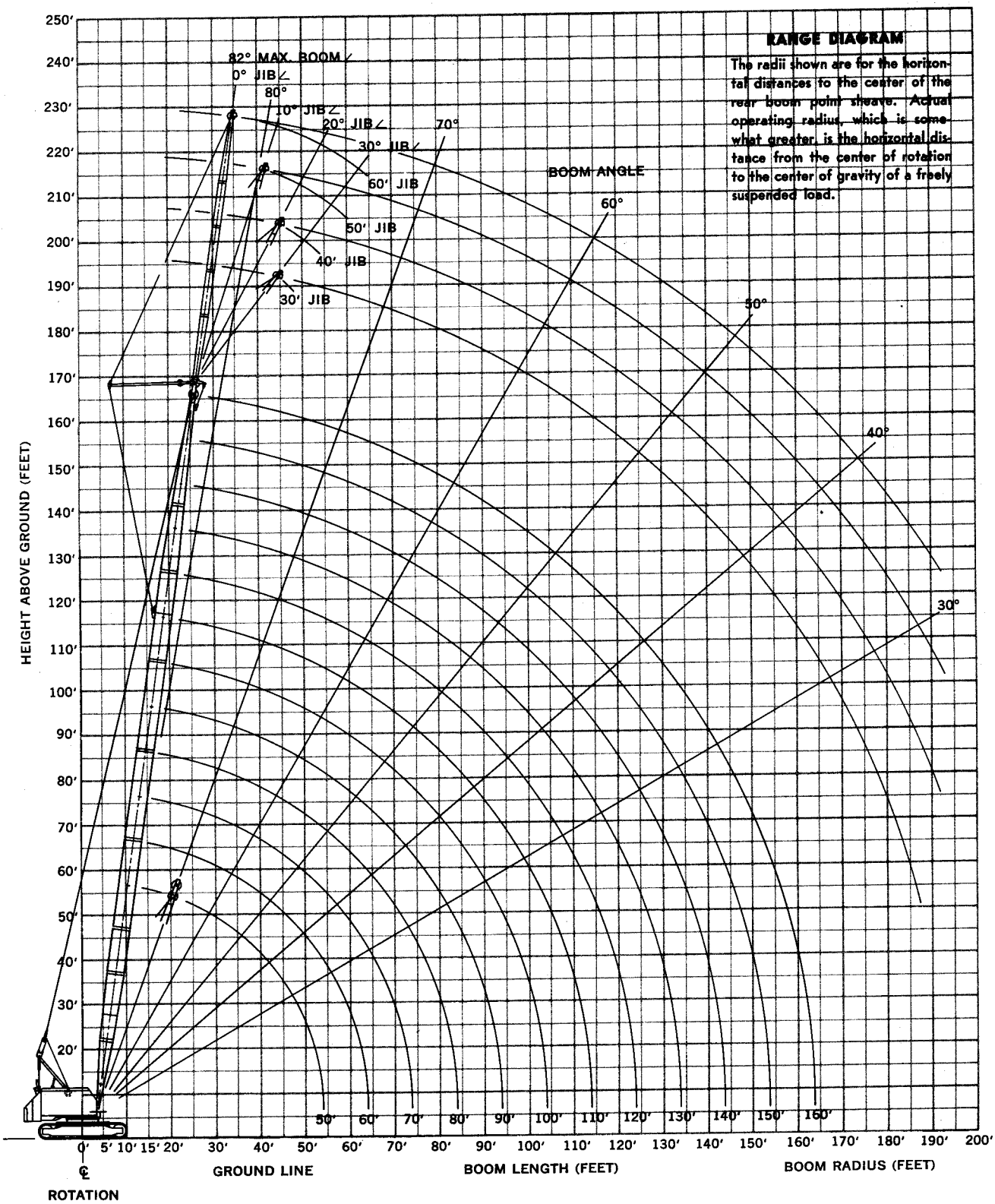
lb. second counterweight.

Maximum boom length is 160' plus 60' of No. 124 jib. When 30', 40', 50' or 60' of jib is attached, deduct 1800 pounds, 2,050 pounds, 2,300 pounds and 2,500 pounds respectively, from capacities.

The radii shown below are the horizontal distances from center of rotation to center of the lower boom point. Add 12" to boom point radius for radius of sheaves when using single line over lower boom point.

Boom Length	Rad. in Feet	Boom Angle	Capacity Crawlers Retracted†	Pt./Line	Capacity Crawlers Extended‡	Pt./Line	Boom Length	Rad. in Feet	Boom Angle	Capacity Crawlers Retracted†	Pt./Line	Capacity Crawlers Extended‡	Pt./Line
4	12	77.2	104,800*	6	130,000	7	1	19	81.7	51,000	3	69,200	4
	15	72.8	73,700*	5	120,000	7		20	81.2	47,400	3	69,200	4
	18	68.2	56,600*	4	112,200	7		24	79.1	36,800	3	67,400	4
	20	65.1	49,000*	3	92,700	6		28	77.0	29,800	2	52,900	4
	24	58.6	38,400*	3	68,500	4		32	74.8	24,800	2	43,300	3
0	28	51.6	31,400*	2	54,100	4		36	72.6	21,200	2	36,500	3
	32	43.9	26,500	2	44,600	3		40	70.3	18,300	2	31,400	2
	36	34.8	22,800	2	37,900	3		44	67.9	15,400	1	22,900	2
	40	23.0	20,000	2	29,800	2		48	65.4	13,400	1	17,700	2
								52	62.7	11,400	1	14,200	1
5	15	76.3	73,500*	5	120,000	7		56	60.1	9,400	1	11,600	1
	18	72.7	56,600*	4	112,200	7		60	57.6	7,400	1	9,700	1
	20	70.3	48,000*	3	92,600	6		64	55.1	5,400	1	8,200	1
	24	65.4	38,400*	3	68,400	4		68	52.6	3,400	1		
	28	60.2	31,200*	2	54,000	4		72	50.1	1,400	1		
0	32	54.8	26,200	2	44,400	3		76	47.6	900	1		
	36	49.0	22,600	2	37,700	3		80	45.1	700	1		
	40	42.6	19,700	2	32,800	2		84	42.6	500	1		
	50	20.5	14,800	1	22,800	2		88	40.1	300	1		
								92	37.6	100	1		
6	15	78.6	120,000*	5	120,000	7		96	35.1	800	1		
	18	75.7	111,800*	4	111,800	7		100	32.6	600	1		
	20	73.7	92,400*	3	92,400	6		104	30.1	400	1		
	24	69.7	37,800	3	68,200	4		108	27.6	200	1		
	28	65.6	30,900	2	53,800	4		112	25.1	100	1		
0	32	61.3	25,900	2	44,200	3		116	22.6	100	1		
	36	56.8	22,300	2	37,400	3		120	20.1	100	1		
	40	52.1	19,400	2	32,300	2		124	17.6	100	1		
	50	38.7	14,500	1	23,900	2		128	15.1	100	1		
	60	18.7	11,400	1	17,900	2		132	12.6	100	1		
								136	10.1	100	1		
7	15	80.3	73,100*	5	109,500	7		140	8.6	100	1		
	18	77.8	56,000*	4	101,000	6		144	6.1	100	1		
	20	76.1	48,300*	3	92,300	6		148	3.6	100	1		
	24	72.7	37,700	3	68,100	4		152	1.1	100	1		
	28	69.2	30,700	2	53,600	4		156	0.6	100	1		
0	32	65.7	25,800	2	44,100	3		160	0.1	100	1		
	36	62.0	22,100	2	37,300	3							
	40	58.3	19,200	2	32,200	2							
	50	48.0	14,300	1	23,700	2							
	60	35.7	11,200	1	18,600	2							
	70	17.3	9,000	1	14,500	1							
8	15	81.5	72,800*	5	103,800	6							
	18	79.3	55,700*	4	97,300	6							
	20	77.9	48,000*	3	92,100	6							
	24	74.9	37,300	3	67,800	4							
	28	71.9	30,300	2	53,400	4							
0	32	68.9	25,400	2	43,800	3							
	36	65.8	21,700	2	37,000	3							
	40	62.6	18,900	2	31,900	2							
	50	54.2	14,000	1	23,400	2							
	60	44.7	10,800	1	18,200	2							
	70	33.3	8,700	1	14,700	1							
	80	16.2	7,100	1	11,700	1							
9	16	81.8	66,000	6	88,000	6							
	18	80.5	55,500	6	83,000	6							
	20	79.2	47,800	6	78,600	6							
	24	76.6	37,200	3	67,700	4							
	28	74.0	30,200	2	53,000	4							
0	32	71.3	25,300	3	43,500	3							
	36	68.6	21,600	3	38,000	3							
	40	65.8	18,800	2	31,800	2							
	50	58.6	13,900	1	23,300	2							
	60	50.8	10,700	1	18,100	2							
	70	42.0	8,500	1	14,600	1							
	80	31.4	6,900	1	12,100	1							
1	18	81.5	55,300	4	86,000	5							
	20	80.3	47,600	3	83,300	5							
	24	78.0	37,000	3	67,600	4							
	28	75.6	30,000	2	53,100	4							
	32	73.2	25,000	2	43,500	3							
0	36	70.8	21,300	2	36,600	3							
	40	68.4	18,500	2	31,500	2							
	50	62.1	13,600	1	23,100	2							
	60	55.4	10,400	1	17,900	2							
	70	48.1	8,300	1	14,400	1							
	80	39.8	6,700	1	11,800	1							
	90	29.7	5,400	1	9,900	1							

Drwg. #4794, 1-11-65
 †Drwg. #5151, 1-4-65
 ‡Drwg. #5150, 1-4-65



Because of a program of continuing improvements, Manitowoc Engineering Co. reserves the right to change this description at any time, without notice.

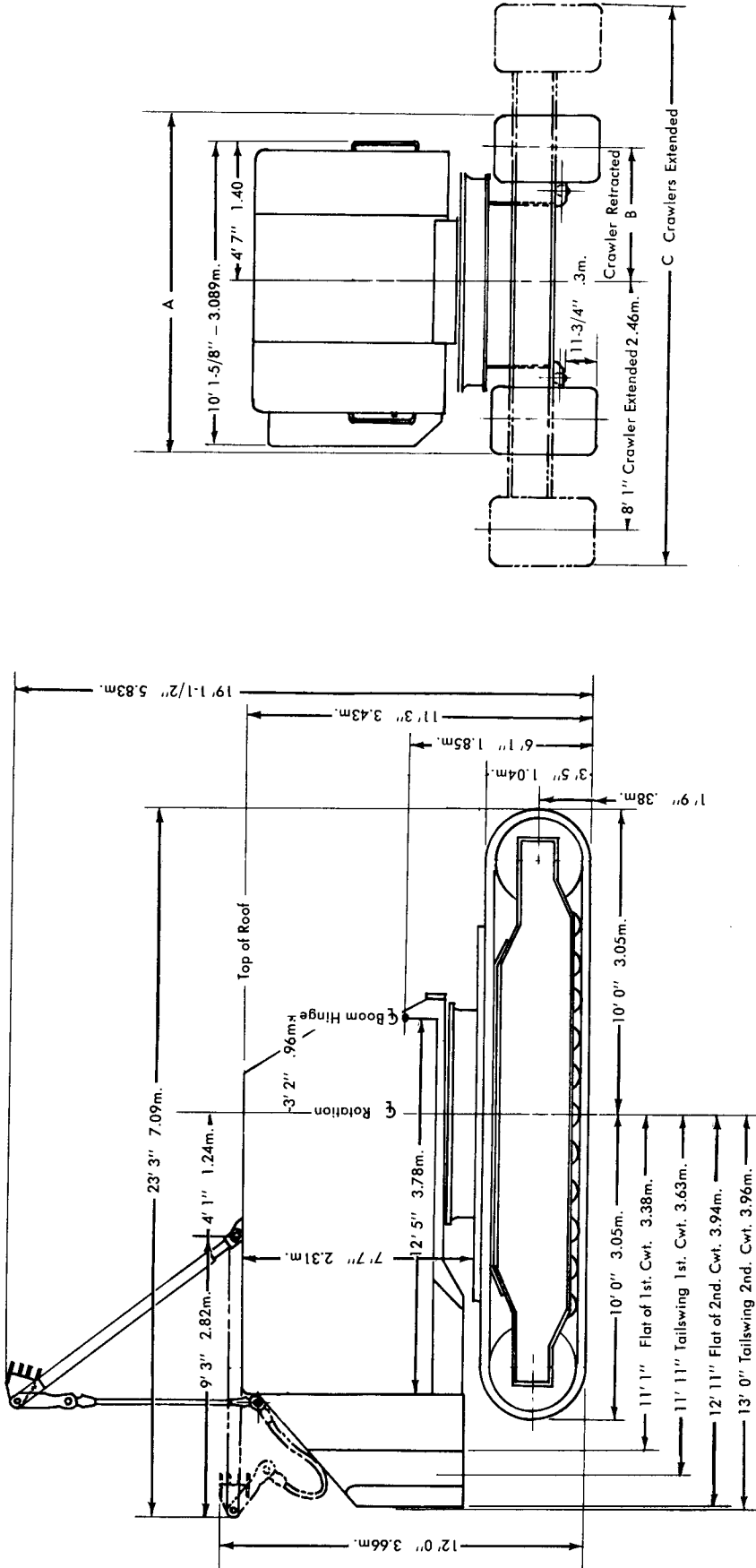


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Manitowoc, Wisconsin



Dimension	30" Treads	36" Treads
A	11' 5" - 3.48m.	12' 5" - 3.78m.
B	4' 5 1/2" - 1.36m.	4' 8 1/2" - 1.44m.
C	18' 8" - 5.69m.	19' 2" - 5.84m.

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9-14-67
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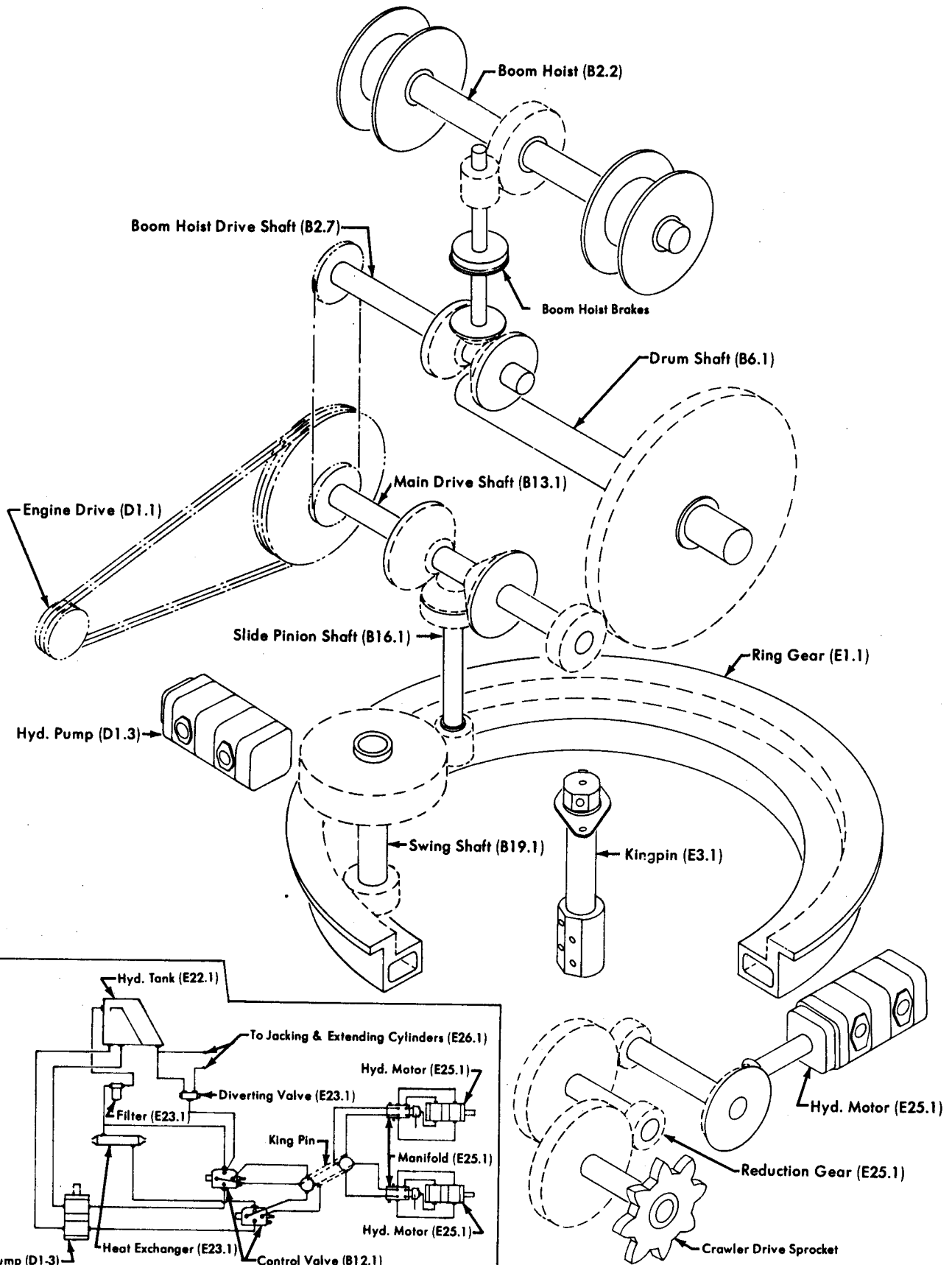
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OUTLINE DIMENSIONS - M2900WC

MANITOWOC ENGINEERING CO.

A Division of The Manitowoc Company, Inc.

Manitowoc, Wisconsin



Schematic - Crawler Drive

MODEL 2900WC

NOTE: The numbers following the descriptions above are the Parts Manual page numbers.

O-347

POWER TRAIN



DRUM AND LAGGING CHART 2900WC

APPLICATION	DRUM	PART NUMBER	DIA.	WIDTH	TYPE OF DRUM OR LAGGING	WIRE ROPE SIZES
<u>LIFTCRANE</u>						
Hoist	Rear	33854	16"	22-1/8"	Bare	3/4"
Whip	Left Front	180205	21-1/2"	9-1/8"	Plain	3/4"
Auxiliary	Right Front	181956	14"	10-1/2"	Plain	3/4"
<u>CLAMSHELL</u>						
Closing	Right Front	31612	20"	10-1/2"	Grooved	3/4"
Holding	Left Front	23041	21-1/2"	9-1/8"	Grooved	3/4"
Auxiliary	Rear	33854	16"	22-1/8"	Bare	7/8"
<u>DRAGLINE – HINGED FAIRLEAD</u>						
Drag	Right Front	41660	17-5/8"	10-1/2"	Grooved	7/8"
Hoist	Left Front	23046	19"	9-1/8"	Grooved	3/4"
Auxiliary	Rear	33854	16"	22-1/8"	Bare	7/8"
<u>PILEDRIVER</u>						
Hoist	Rear	33854	16"	22-1/8"	Bare	7/8"
Whip	Left Front	180205	21-1/2"	9-1/8"	Plain	3/4"
Auxiliary	Right Front	181956	14"	10-1/2"	Plain	3/4"

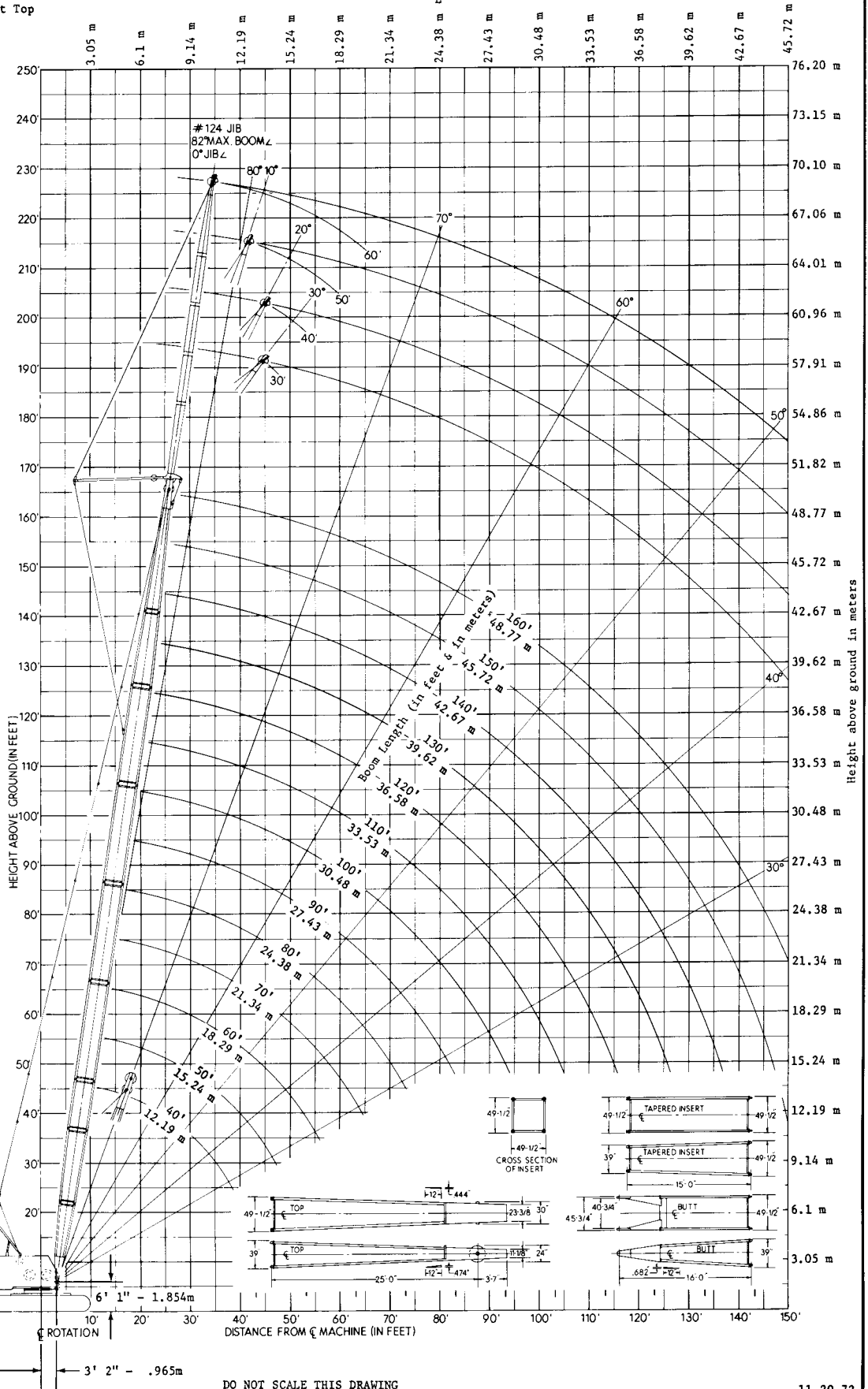
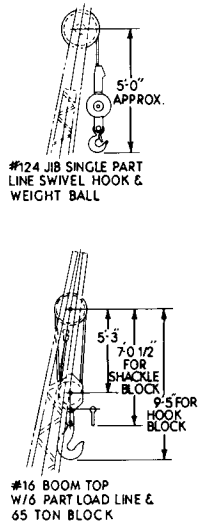
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A Division of The Manitowoc Company, Inc.

Manitowoc, Wisconsin

MAXIMUM BOOM ANGLE
82° For No. 16 Boom W/Open Throat Top

Distance from ζ machine in meters



- NOTE 1: This drawing is intended only as a guide to assist in job planning.
- NOTE 2: For planning a lift, this drawing is to be used in conjunction with appropriate-
A. Capacity Charts. C. Load Line Specifications. E. Outline Dimensions.
B. Range Chart. D. Rigging Drawing.
- NOTE 3: For planning lifts where clearances are limited and accuracy is desired, a detailed layout should be prepared.
- NOTE 4: Distance of MANITOWOC load block to boom point based on 3° fleet angle or physical limitations.
- NOTE 5: When equipped with hoist line limit switch, contact factory for load block to boom point minimum distance.

RANGE DIAGRAM-M2900WC-No. 16 BOOM-124 JIB

49707

11-20-72



LIFTCRANE CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

2900WC CRAWLER

**BOOM NO. 16 WITH OPEN THROAT TOP
 20'0" CRAWLERS EXTENDED AND BLOCKED
 36,000 LB. COUNTERWEIGHT**

LIFTING CAPACITIES: Capacities for various boom lengths and operating radii may be based on per cent of tipping, strength of structural components, operating speeds and other factors. Capacities are for freely suspended loads and do not exceed 75% of static tipping loads. Capacities based on structural competence are shown by shaded areas.

Capacities are shown in pounds. Weight of jib, (see chart A), all load blocks, hooks, weight ball, slings, hoist lines beneath boom and jib point sheaves, etc., is considered part of the main boom load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate in a level position on a firm surface with crawlers fully extended and blocked, and gantry in working position, and under conditions referred to in rigging drawing No. 49598 and wire rope specification chart No. 6445-A.

Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, as well as adverse operating conditions or physical machine depreciation.

OPERATING RADIUS: Operating radius is the horizontal distance from the axis of rotation to the center of vertical hoist line or load block with the load freely suspended. Add 11" to boom point radius for radius of sheave when using single part hoist line.

Boom angle is the angle between horizontal and centerline of boom butt and inserts and is an indication of operating radius. In all cases, operating radius shall govern capacity.

BOOM POINT ELEVATION: Boom point elevation, in feet, is the vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 20'0" ex-

tensible crawlers, 30" or 36" treads, 9' retractable gantry, 10 part boom hoist reeving, two 1-3/8" pendants, 1st cwt. 18,000 lbs., 2nd cwt. 18,000 lbs. Total counterweight 36,000 pounds.

HOIST REEVING FOR MAIN LOAD BLOCK						
No. Parts of Line	1	2	3	4	5	6
Max. Load - Lbs.	18,400	36,800	55,200	73,600	92,000	110,400
No. Parts of Line	7	8				
Max. Load - Lbs.	123,500	140,000				

LOAD AND WHIP LINE SPECIFICATIONS
LOAD LINE: 3/4" - 6x25 Bright Super Tensile, Monitor AAA, Regular Lay, IWRC. Minimum Breaking Strength 32.3 Ton.
WHIP LINE: 3/4" - 6x25 Filler Wire, Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 25.6 Ton. Maximum Load - 13,000 lbs. per Line.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED			
OVER FRONT OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS	
Boom Length	Jib No. 124	Boom Length	Jib No. 124
160'	---	160'	---
160'	60'	150'	60'

Load block, hook and weight ball on ground at start.

(A) DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
Jib Length	Jib No. 124
30'	1,800 Lb.
40'	2,050 Lb.
50'	2,300 Lb.
60'	2,500 Lb.

For jib capacities, consult jib chart.

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity: Crawlers Extended	
40	12	77.6	46.1	140,000	50	34	52.8	46.7	40,800	70	28	69.5	72.6	53,700	
	13	76.1	45.9	135,800		36	49.9	45.1	37,700		30	67.8	71.8	48,500	
	14	74.7	45.6	129,500		38	46.9	43.3	34,900		32	66.0	70.9	44,100	
	15	73.2	45.3	125,500		40	43.8	41.3	32,600		34	64.3	70.0	40,400	
	16	71.8	45.0	122,800		45	34.9	35.2	27,700		36	62.5	69.0	37,300	
	17	70.3	44.7	119,100		50	23.3	26.3	23,900		80	17	81.6	86.2	109,500
	18	68.8	44.3	112,700		13	80.7	66.3	134,600			16	80.9	86.0	107,400
	19	67.3	43.9	102,000		14	79.8	66.1	125,500			17	80.2	85.9	105,400
	20	65.8	43.4	93,100		15	78.8	65.9	122,900			18	79.4	85.7	103,500
	22	62.7	42.5	79,200		16	77.9	65.7	120,300			19	78.7	85.5	101,400
	24	59.5	41.4	68,800		17	76.9	65.5	117,300			20	78.0	85.3	92,500
	26	56.2	40.1	60,700		18	75.9	65.2	112,400			22	76.6	84.8	78,500
	28	52.7	38.7	54,300		19	75.0	65.0	101,700			24	75.1	84.3	68,100
	30	49.1	37.1	49,100		20	74.0	64.7	92,700			26	73.6	83.8	60,000
	32	45.3	35.2	44,700		22	72.0	64.1	78,800			28	72.1	83.2	53,500
	34	41.2	33.1	41,100		24	70.0	63.4	68,400			90	15	81.6	86.2
36	36.8	30.6	37,900	26	68.0	62.6	60,300	16	80.9	86.0			107,400		
38	31.8	27.7	35,200	28	66.0	61.8	53,900	17	80.2	85.9			105,400		
40	26.1	24.1	31,600	30	63.9	60.8	48,600	18	79.4	85.7			103,500		
12	80.0	56.3	140,000	32	61.8	59.8	44,300	19	78.7	85.5			101,400		
13	78.9	56.1	135,200	34	59.6	58.7	40,600	20	78.0	85.3			92,500		
14	77.7	55.9	127,500	36	57.4	57.5	37,400	22	76.6	84.8	78,500				
15	76.6	55.7	124,200	38	55.2	56.1	34,700	24	75.1	84.3	68,100				
16	75.4	55.4	121,500	40	52.9	54.7	32,300	26	73.6	83.8	60,000				
17	74.3	55.2	118,200	45	46.7	50.5	27,500	28	72.1	83.2	53,500				
18	73.1	54.9	112,600	50	39.8	45.1	23,800	0	30	70.7	82.5		48,300		
19	71.9	54.5	101,800	55	31.8	38.2	20,900		32	69.1	81.8		43,900		
20	70.7	54.2	92,900	60	21.3	28.2	18,600		34	67.6	81.0		40,200		
22	68.3	53.5	79,000	70	14	81.2	76.2		123,500	36	66.1		80.1	37,000	
24	65.9	52.6	68,600		15	80.4	76.1		121,600	38	64.5		79.2	34,300	
26	63.4	51.7	60,500		16	79.6	75.9		119,100	40	63.0		78.2	31,900	
28	60.9	50.6	54,100		17	78.8	75.7		116,400	45	58.9	75.4	27,100		
30	58.3	49.4	48,900		18	77.9	75.5		112,300	50	54.7	72.2	23,400		
32	55.6	48.1	44,500		19	77.1	75.3		101,600	55	50.2	68.3	20,500		
17	74.3	55.2	118,200		20	76.3	75.0		92,600	60	45.4	63.8	18,100		
18	73.1	54.9	112,600		22	74.6	74.5		78,700	65	40.2	58.4	16,200		
19	71.9	54.5	101,800		24	72.9	73.9		68,200	70	34.4	51.8	14,600		
20	70.7	54.2	92,900		26	71.2	73.3		60,200	75	27.5	43.5	13,200		
22	68.3	53.5	79,000							80	18.5	31.7	12,100		

Capacities continued on reverse side.

SEE CONDITIONS ON REVERSE SIDE

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity: Crawlers Extended
19	81.0	105.8	83,500		28	79.1	134.7	52,800		36	78.2	163.7	33,400	
20	80.4	105.6	82,300		30	78.2	134.3	47,500		38	77.5	163.2	32,800	
22	79.3	105.3	78,400		32	77.3	133.8	43,100		40	76.8	162.8	30,400	
24	78.1	104.9	67,900		34	76.4	133.4	39,400		45	74.9	161.5	25,500	
26	76.9	104.4	59,800		36	75.5	132.9	36,200		50	73.1	160.1	21,800	
28	75.8	104.0	53,400		38	74.6	132.3	33,500		55	71.2	158.5	18,900	
30	74.6	103.4	48,100		40	73.7	131.8	31,100		60	69.3	156.7	16,500	
32	73.4	102.9	43,700		45	71.4	130.2	26,200		65	67.4	154.7	14,600	
34	72.2	102.2	40,000		50	69.1	128.4	22,500		70	65.5	152.5	13,000	
36	71.0	101.6	36,800		55	66.7	126.4	19,600		75	63.5	150.1	11,600	
38	69.8	100.9	34,100		60	64.3	124.1	17,200		80	61.5	147.5	10,400	
40	68.6	100.1	31,700		65	61.8	121.6	15,300		85	59.5	144.7	9,300	
45	65.5	98.0	26,800		70	59.3	118.7	13,700		90	57.4	141.6	8,400	
50	62.4	95.5	23,100		75	56.7	115.6	12,300		95	55.2	138.3	7,600	
55	59.1	92.7	20,200		80	54.1	112.2	11,100		100	53.0	134.7	6,900	
60	55.8	89.6	17,900		85	51.3	108.4	10,100		105	50.8	130.8	6,300	
65	52.3	85.9	16,000		90	48.5	104.1	9,200		110	48.4	126.5	5,700	
70	48.6	81.8	14,400		95	45.5	99.5	8,400		115	46.0	121.9	5,200	
75	44.7	77.1	13,000		100	42.3	94.3	7,700		120	43.5	116.8	4,700	
80	40.5	71.6	11,800		105	39.0	88.5	7,000		125	40.8	111.3	4,300	
85	35.9	65.3	10,800		110	35.4	81.9	6,400		130	38.0	105.2	3,900	
90	30.7	57.6	9,900		115	31.4	74.3	5,900		135	35.0	98.5	3,500	
95	24.6	48.1	9,100		120	26.9	65.3	5,400		140	31.8	90.9	3,100	
					125	21.6	54.2	5,000						
22	80.2	115.5	72,200		30	79.0	144.5	47,300		32	78.2	144.1	42,900	
24	79.2	115.1	67,800		34	77.4	143.6	39,200		36	76.5	143.2	36,000	
26	78.1	114.7	59,700		38	75.7	142.7	33,200						
28	77.1	114.2	53,200		40	74.9	142.2	30,800		45	72.7	140.7	26,000	
30	76.0	113.8	47,900		45	70.6	139.1	22,200		50	70.6	137.2	19,300	
32	74.9	113.3	43,500		55	68.2	135.1	17,000		60	66.2	135.1	17,000	
34	73.9	112.7	39,800		65	64.0	132.8	15,000		70	61.7	130.2	13,400	
36	72.8	112.1	36,600		75	59.4	127.4	12,000		80	57.0	124.3	10,900	
38	71.7	111.5	33,900		85	54.5	120.9	9,800		90	52.0	117.2	8,900	
40	70.6	110.8	31,500		95	49.4	113.1	8,100		100	46.6	108.6	7,400	
45	67.9	108.9	26,600		105	43.8	103.6	6,800		110	40.7	98.1	6,200	
50	65.0	106.7	22,900		115	37.5	91.9	5,700		120	34.0	85.0	5,200	
55	62.2	104.2	20,000		125	30.2	77.0	4,700		130	25.9	67.7	4,300	
60	59.2	101.4	17,700		135	20.8	56.1	4,000						
65	56.1	98.2	15,800		34	78.2	153.9	39,000		36	77.4	153.4	35,800	
70	53.0	94.7	14,100		38	76.7	153.0	33,000		40	75.9	152.5	30,600	
75	49.7	90.7	12,800		45	73.9	151.2	25,800		50	71.9	149.6	22,000	
80	46.2	86.2	11,600		55	69.9	147.9	19,100		60	67.9	146.0	16,800	
85	42.5	81.1	10,600		65	65.8	143.8	14,800		70	63.7	141.5	13,200	
90	38.5	75.2	9,600		75	61.6	138.9	11,800		80	59.4	136.1	10,600	
95	34.2	68.4	8,800		85	57.2	133.0	9,600		90	54.9	129.6	8,700	
100	29.3	60.3	8,100		95	52.5	125.9	7,900		100	50.1	121.9	7,200	
105	23.4	50.2	7,500		105	47.6	117.6	6,500		110	45.0	112.8	6,000	
26	79.1	124.9	59,500		115	42.2	107.5	5,400		120	39.3	101.7	5,000	
28	78.2	124.5	53,000		125	36.2	95.3	4,500		130	32.9	88.0	4,100	
30	77.2	124.0	47,700		135	29.2	79.7	3,800		140	25.0	69.9	3,400	
32	76.2	123.6	43,300											
34	75.2	123.1	39,600											
36	74.3	122.5	36,400											
38	73.3	121.9	33,700											
40	72.3	121.3	31,300											
45	69.8	119.6	26,400											
50	67.2	117.6	22,700											
55	64.6	115.4	19,800											
60	62.0	112.9	17,400											
65	59.3	110.1	15,500											
70	56.5	106.9	13,900											
75	53.6	103.4	12,500											
80	50.6	99.5	11,300											
85	47.4	95.2	10,300											
90	44.1	90.3	9,400											
95	40.6	84.9	8,600											
100	36.8	78.6	7,900											
105	32.7	71.4	7,200											
110	28.0	62.9	6,700											
115	22.4	52.3	6,100											

Combined From Charts:
 No. 6723-A 2-9-76
 No. 6445-A 1-29-75
 No. 6720 12-5-75



JIB LIFTING CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

2900WC

**JIB NO. 124 WITH 18' STRUT ON
BOOM NO. 16 WITH OPEN THROAT TOP
20' CRAWLERS EXTENDED AND BLOCKED**

0 DEGREE JIB OFFSET ANGLE

Chart supplements boom capacity chart No. 6723-A. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, as well as adverse operating conditions or physical machine depreciation.

machine on firm level surface. Capacities based on structural competence are denoted by shaded areas. Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Weight of all load blocks, hooks, weight ball, slings, hoist lines beneath boom and jib point sheaves, etc., including those on the main boom is considered part of the jib load. Maximum capacity on 3/4" - 6x25 IPS, IWRC is 13,000 lbs./line.

Capacities do not exceed 75% of static tipping loads with

JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET	
	BOOM LENGTH - FEET											
	70	80	90	100	110	120	130	140	150	160		
50*	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	50*
55	20,000	20,000	20,000	20,000	20,000	19,900	19,700	19,400	19,200	18,800	18,600	55
60	18,700	18,400	18,200	18,000	17,800	17,500	17,300	17,100	16,800	16,600	16,400	60
65	16,700	16,400	16,200	16,100	15,800	15,600	15,400	15,100	14,900	14,600	14,400	65
70	15,100	14,800	14,600	14,400	14,200	13,900	13,700	13,400	13,200	13,000	12,800	70
75	13,700	13,400	13,200	13,100	12,800	12,500	12,300	12,000	11,800	11,600	11,400	75
80	12,500	12,200	12,000	11,900	11,600	11,300	11,100	10,800	10,600	10,400	10,200	80
85	11,500	11,200	10,900	10,800	10,600	10,300	10,100	9,800	9,600	9,300	9,100	85
90	10,600	10,300	10,000	9,900	9,600	9,400	9,100	8,900	8,600	8,400	8,200	90
95		9,500	9,200	9,100	8,800	8,600	8,300	8,100	7,800	7,600	7,400	95
100			8,500	8,400	8,100	7,800	7,600	7,300	7,100	6,800	6,600	100
105			7,800	7,700	7,400	7,200	7,000	6,700	6,500	6,200	6,000	105
110				7,100	6,900	6,600	6,400	6,100	5,900	5,600	5,400	110
120					5,900	5,600	5,400	5,100	4,900	4,600	4,400	120
130						4,700	4,500	4,200	4,000	3,700	3,500	130
140							3,800	3,500	3,300	3,000	2,800	140

JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET	
	BOOM LENGTH - FEET											
	70	80	90	100	110	120	130	140	150	160		
65*	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	65*
70	14,000	14,000	14,000	14,000	14,000	14,000	13,800	13,600	13,300	13,100	12,900	70
75	13,800	13,600	13,300	13,200	12,900	12,700	12,400	12,200	11,900	11,700	11,500	75
80	12,700	12,400	12,100	12,000	11,700	11,500	11,200	11,000	10,700	10,500	10,300	80
85	11,600	11,300	11,100	10,900	10,700	10,400	10,200	9,900	9,700	9,400	9,200	85
90	10,700	10,400	10,200	10,000	9,800	9,500	9,300	9,000	8,800	8,500	8,300	90
95	9,900	9,600	9,300	9,200	9,000	8,700	8,400	8,200	7,900	7,700	7,500	95
100		8,900	8,600	8,500	8,200	8,000	7,700	7,400	7,200	7,000	6,800	100
105		8,200	8,000	7,800	7,600	7,300	7,100	6,800	6,600	6,300	6,100	105
110			7,400	7,200	7,000	6,700	6,500	6,200	6,000	5,700	5,500	110
115			6,900	6,700	6,500	6,200	6,000	5,700	5,400	5,200	5,000	115
120				6,200	6,000	5,700	5,500	5,200	5,000	4,700	4,500	120
130					5,100	4,900	4,600	4,300	4,100	3,800	3,600	130
140						4,100	3,900	3,600	3,400	3,100	2,900	140

JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET	
	BOOM LENGTH - FEET											
	70	80	90	100	110	120	130	140	150	160		
80*	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	80*
85	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	9,800	9,500	9,300	85
90	10,000	10,000	10,000	10,000	9,900	9,600	9,400	9,100	8,900	8,600	8,400	90
95	10,000	9,700	9,500	9,300	9,100	8,800	8,600	8,300	8,100	7,800	7,600	95
100	9,300	9,000	8,700	8,600	8,300	8,100	7,800	7,600	7,300	7,100	6,900	100
105	8,600	8,300	8,100	7,900	7,700	7,400	7,200	6,900	6,700	6,400	6,200	105
110		7,800	7,500	7,300	7,100	6,800	6,600	6,300	6,100	5,800	5,600	110
115		7,200	7,000	6,800	6,600	6,300	6,100	5,800	5,600	5,300	5,100	115
120			6,500	6,300	6,100	5,800	5,600	5,300	5,100	4,800	4,600	120
130				5,500	5,200	5,000	4,700	4,400	4,200	3,900	3,700	130
140					4,500	4,200	4,000	3,700	3,500	3,200	3,000	140
150						3,600	3,400	3,100	2,900	2,600	2,400	150

JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET	
	BOOM LENGTH - FEET											
	70	80	90	100	110	120	130	140	150	160		
105*	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	105*
110	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	110
115	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	115
120	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	4,800	4,600	120
125		5,000	5,000	5,000	5,000	5,000	5,000	4,900	4,600	4,400	4,200	125
130			5,000	5,000	5,000	5,000	4,800	4,500	4,200	4,000	3,800	130
135				5,000	5,000	4,900	4,600	4,400	4,100	3,900	3,600	135
140				4,800	4,600	4,400	4,200	4,000	3,800	3,500	3,200	140
145					4,500	4,200	4,000	3,700	3,400	3,200	2,900	145
150						3,900	3,700	3,400	3,100	2,800	2,600	150

* These capacities apply for ALL lesser radii obtainable.



JIB LIFTING CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

2900WC

**JIB NO. 124 WITH 18' STRUT ON
BOOM NO. 16 WITH OPEN THROAT TOP
20' CRAWLERS EXTENDED AND BLOCKED**

10 DEGREE JIB OFFSET ANGLE

Chart supplements boom capacity chart No. 6723-A. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, as well as adverse operating conditions or physical machine depreciation.

machine on firm level surface. Capacities based on structural competence are denoted by shaded areas. Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Weight of all load blocks, hooks, weight ball, slings, hoist lines beneath boom and jib point sheaves, etc., including those on the main boom is considered part of the jib load. Maximum capacity on 3/4" - 6x25 IPS, IWRC is 13,000 lbs./line.

Capacities do not exceed 75% of static tipping loads with

30 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET	
		BOOM LENGTH - FEET											
		70	80	90	100	110	120	130	140	150	160		
50*	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	50*
55	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	19,900	19,700	19,500	55	
60	18,900	18,600	18,400	18,300	18,100	17,900	17,700	17,400	17,200	17,000	16,800	60	
65	16,900	16,700	16,400	16,300	16,100	15,900	15,700	15,400	15,200	15,000	14,800	65	
70	15,300	15,000	14,800	14,700	14,500	14,200	14,000	13,800	13,600	13,300	13,100	70	
75	13,900	13,600	13,400	13,300	13,000	12,800	12,600	12,300	12,100	11,900	11,700	75	
80	12,600	12,400	12,100	12,000	11,800	11,600	11,300	11,100	10,900	10,700	10,500	80	
85		11,300	11,100	11,000	10,700	10,500	10,300	10,100	9,800	9,600	9,400	85	
90		10,400	10,200	10,000	9,800	9,600	9,300	9,100	8,900	8,600	8,400	90	
95			9,300	9,200	9,000	8,700	8,500	8,300	8,000	7,800	7,600	95	
100				8,500	8,200	8,000	7,800	7,500	7,300	7,100	6,900	100	
105				7,800	7,600	7,300	7,100	6,900	6,600	6,400	6,200	105	
110					7,000	6,700	6,500	6,300	6,000	5,800	5,600	110	
115						6,200	6,000	5,700	5,500	5,200	5,000	115	
120						5,700	5,500	5,200	5,000	4,700	4,500	120	
130								4,300	4,100	3,900	3,700	130	

40 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET
		BOOM LENGTH - FEET										
		70	80	90	100	110	120	130	140	150	160	
65*	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	65*
70	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	13,800	13,600	70
75	14,000	13,800	13,600	13,500	13,300	13,000	12,800	12,600	12,400	12,100	11,900	75
80	12,800	12,600	12,400	12,200	12,000	11,800	11,600	11,300	11,100	10,900	10,700	80
85	11,800	11,500	11,300	11,200	10,900	10,700	10,500	10,300	10,100	9,800	9,600	85
90	10,800	10,600	10,400	10,200	10,000	9,800	9,600	9,300	9,100	8,900	8,700	90
95		9,700	9,500	9,400	9,200	9,000	8,700	8,500	8,300	8,000	7,800	95
100			8,800	8,700	8,400	8,200	8,000	7,700	7,500	7,300	7,100	100
105			8,100	8,000	7,800	7,500	7,300	7,000	6,800	6,600	6,400	105
110				7,400	7,200	6,900	6,700	6,400	6,200	6,000	5,800	110
115					6,600	6,400	6,100	5,900	5,700	5,400	5,200	115
120					6,100	5,900	5,600	5,400	5,200	4,900	4,700	120
130							4,800	4,500	4,300	4,000	3,800	130
140								3,800	3,500	3,300	3,100	140

50 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET
		BOOM LENGTH - FEET										
		70	80	90	100	110	120	130	140	150	160	
85*	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	85*
90	10,000	10,000	10,000	10,000	10,000	10,000	9,900	9,700	9,500	9,300	9,100	90
95	10,000	9,900	9,700	9,600	9,300	9,100	8,900	8,700	8,400	8,200	8,000	95
100	9,400	9,200	8,900	8,800	8,600	8,300	8,100	7,900	7,700	7,500	7,300	100
105		8,500	8,300	8,100	7,900	7,700	7,500	7,200	7,000	6,800	6,600	105
110			7,700	7,500	7,300	7,100	6,900	6,600	6,400	6,200	6,000	110
115			7,100	7,000	6,800	6,500	6,300	6,100	5,800	5,600	5,400	115
120				6,500	6,300	6,000	5,800	5,600	5,300	5,100	4,900	120
125				6,000	5,800	5,600	5,300	5,100	4,900	4,600	4,400	125
130					5,400	5,100	4,900	4,700	4,500	4,200	4,000	130
140						4,400	4,200	3,900	3,700	3,400	3,200	140
150								3,300	3,100	2,900	2,700	150

60 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET
		BOOM LENGTH - FEET										
		70	80	90	100	110	120	130	140	150	160	
105*	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	105*
110	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	110
115		5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	115
120			5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	120
125				5,000	5,000	5,000	5,000	5,000	5,000	4,700	4,500	125
130					5,000	5,000	5,000	5,000	4,700	4,500	4,300	130
135					5,000	5,000	5,000	5,000	4,400	4,100	3,900	135
140						4,700	4,500	4,200	4,000	3,800	3,500	140
145							4,100	3,900	3,700	3,400	3,200	145
150							3,800	3,600	3,300	3,100	2,900	150

* These capacities apply for ALL lesser radii obtainable.



JIB LIFTING CAPACITIES

MEETS
ANSI B30.5
 REQUIREMENTS

2900WC

**JIB NO. 124 WITH 18' STRUT ON
 BOOM NO. 16 WITH OPEN THROAT TOP
 20' CRAWLERS EXTENDED AND BLOCKED**

20 DEGREE JIB OFFSET ANGLE

Chart supplements boom capacity chart No. 6723-A. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, as well as adverse operating conditions or physical machine depreciation.

machine on firm level surface. Capacities based on structural competence are denoted by shaded areas. Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Weight of all load blocks, hooks, weight ball, slings, hoist lines beneath boom and jib point sheaves, etc., including those on the main boom is considered part of the jib load. Maximum capacity on 3/4" - 6x25 IPS, IWRC is 13,000 lbs./line.

Capacities do not exceed 75% of static tipping loads with

30 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS									JIB POINT RADIUS: FEET	
		BOOM LENGTH - FEET										
		70	80	90	100	110	120	130	140	150		160
40*	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	19,600	40*
45	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	19,700	18,700	45
50	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	19,700	18,700	50
55	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	18,600	18,000	55
60	19,100	18,900	18,700	18,600	18,400	18,200	18,100	17,900	17,700	17,100	16,000	60
65	17,100	16,900	16,700	16,600	16,400	16,200	16,000	15,800	15,600	15,400	15,400	65
70	15,400	15,200	15,000	14,900	14,700	14,500	14,300	14,100	13,900	13,700	13,700	70
75		13,800	13,600	13,500	13,300	13,000	12,900	12,600	12,500	12,200	12,200	75
80		12,500	12,300	12,200	12,000	11,800	11,600	11,400	11,200	11,000	11,000	80
85			11,200	11,100	10,900	10,700	10,500	10,300	10,100	9,900	9,900	85
90				10,200	10,000	9,800	9,600	9,300	9,100	8,900	8,900	90
95					9,100	8,900	8,700	8,500	8,300	8,000	8,000	95
100						8,100	7,900	7,700	7,500	7,300	7,300	100
105						7,500	7,300	7,000	6,800	6,600	6,600	105
110							6,700	6,400	6,200	6,000	6,000	110
115								5,900	5,700	5,400	5,400	115

40 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS									JIB POINT RADIUS: FEET	
		BOOM LENGTH - FEET										
		70	80	90	100	110	120	130	140	150		160
65*	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	65*
70	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	13,800	13,800	70
75	14,000	14,000	13,900	13,800	13,600	13,400	13,200	13,000	12,800	12,600	12,600	75
80	13,000	12,800	12,600	12,500	12,300	12,100	11,900	11,700	11,500	11,300	11,300	80
85		11,700	11,500	11,400	11,200	11,000	10,800	10,600	10,400	10,200	10,200	85
90			10,500	10,400	10,200	10,000	9,800	9,600	9,400	9,200	9,200	90
95			9,700	9,600	9,400	9,200	9,000	8,800	8,600	8,300	8,300	95
100				8,800	8,600	8,400	8,200	8,000	7,800	7,600	7,600	100
105					7,900	7,700	7,500	7,300	7,100	6,900	6,900	105
110						7,100	6,900	6,700	6,500	6,200	6,200	110
115							6,300	6,100	5,900	5,700	5,700	115
120								5,600	5,400	5,200	5,200	120
125								5,100	4,900	4,700	4,700	125
130									4,500	4,200	4,200	130

50 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS									JIB POINT RADIUS: FEET	
		BOOM LENGTH - FEET										
		70	80	90	100	110	120	130	140	150		160
85*	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	85*
90	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	9,900	9,700	9,500	90
95		10,000	9,900	9,800	9,600	9,400	9,200	9,000	8,800	8,600	8,600	95
100			9,100	9,000	8,800	8,600	8,400	8,200	8,000	7,800	7,800	100
105			8,500	8,300	8,200	7,900	7,700	7,500	7,300	7,100	7,100	105
110				7,700	7,500	7,300	7,100	6,900	6,700	6,500	6,500	110
115					7,000	6,700	6,500	6,300	6,100	5,900	5,900	115
120						6,200	6,000	5,800	5,600	5,400	5,400	120
125							5,500	5,300	5,100	4,900	4,900	125
130							5,100	4,900	4,700	4,500	4,500	130
140								4,900	4,700	4,500	4,500	140

60 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS									JIB POINT RADIUS: FEET	
		BOOM LENGTH - FEET										
		70	80	90	100	110	120	130	140	150		160
100*	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	100*
105		5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	105
110			5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	110
115				5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	115
120				5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	120
125					5,000	5,000	5,000	5,000	5,000	5,000	5,000	125
130						5,000	5,000	5,000	5,000	5,000	5,000	130
135							5,000	5,000	5,000	5,000	5,000	135
140								4,800	4,600	4,400	4,400	140
150								4,400	4,200	4,000	3,800	150

* These capacities apply for ALL lesser radii obtainable.



JIB LIFTING CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

2900WC

**JIB NO. 124 WITH 18' STRUT ON
 BOOM NO. 16 WITH OPEN THROAT TOP
 20' CRAWLERS EXTENDED AND BLOCKED**

30 DEGREE JIB OFFSET ANGLE

Chart supplements boom capacity chart No. 6723-A. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, as well as adverse operating conditions or physical machine depreciation.

machine on firm level surface. Capacities based on structural competence are denoted by shaded areas. Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Weight of all load blocks, hooks, weight ball, slings, hoist lines beneath boom and jib point sheaves, etc., including those on the main boom is considered part of the jib load. Maximum capacity on 3/4" - 6x25 IPS, IWRC is 13,000 lbs./line.

Capacities do not exceed 75% of static tipping loads with

30 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET
		BOOM LENGTH - FEET										
		70	80	90	100	110	120	130	140	150	160	
45*	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	18,400	17,700	16,800	45*
50	20,000	20,000	20,000	20,000	20,000	20,000	19,300	18,800	17,700	17,000	16,200	50
55	19,800	20,000	20,000	20,000	20,000	20,000	19,500	18,800	17,700	17,000	16,200	55
60	19,800	19,200	19,000	18,900	18,900	18,800	18,600	17,900	17,100	16,300	15,600	60
65		17,100	17,000	16,900	16,700	16,500	16,400	16,200	15,800	15,000		65
70			15,200	15,200	15,000	14,800	14,600	14,400	14,300	14,100		70
75				13,700	13,500	13,300	13,100	12,900	12,800	12,600		75
80					12,200	12,000	11,900	11,700	11,500	11,300		80
85						10,900	10,700		10,500	10,400	10,200	85
90									9,500	9,400	9,200	90
95										8,500	8,300	95
100											7,500	100

40 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET
		BOOM LENGTH - FEET										
		70	80	90	100	110	120	130	140	150	160	
55*	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	55*
60	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	13,400	60
65	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	13,500	12,900	65
70	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	13,000	12,500	70
75		14,000	14,000	14,000	13,900	13,700	13,600	13,200	12,600	12,000		75
80			12,800	12,800	12,600	12,400	12,300	12,100	11,900	11,700		80
85					11,500	11,300	11,100	10,900	10,800	10,600		85
90						10,300	10,100	9,900	9,800	9,600		90
95								9,200	8,900	8,700		95
100									8,200	8,100	7,900	100
105										7,300	7,100	105
110											6,500	110

50 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET
		BOOM LENGTH - FEET										
		70	80	90	100	110	120	130	140	150	160	
80*	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	80*
85		10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	9,800	85
90			10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	9,500	90
95				10,000	10,000	9,800	9,700	9,500	9,300	9,200	9,000	95
100							8,900	8,700	8,500	8,400	8,200	100
105								8,000	7,800	7,600	7,400	105
110									7,100	7,000	6,800	110
115										6,400	6,200	115
120											5,600	120

60 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET
		BOOM LENGTH - FEET										
		70	80	90	100	110	120	130	140	150	160	
90*	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	90*
95		5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	95
100			5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	100
105				5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	105
110					5,000	5,000	5,000	5,000	5,000	5,000	5,000	110
115						5,000	5,000	5,000	5,000	5,000	5,000	115
120							5,000	5,000	5,000	5,000	5,000	120
125								5,000	5,000	5,000	5,000	125
130										5,000	4,900	130
135											4,500	135

* These capacities apply for ALL lesser radii obtainable.

MANITOWOC ENGINEERING CO.

A Division of The Manitowoc Company, Inc.

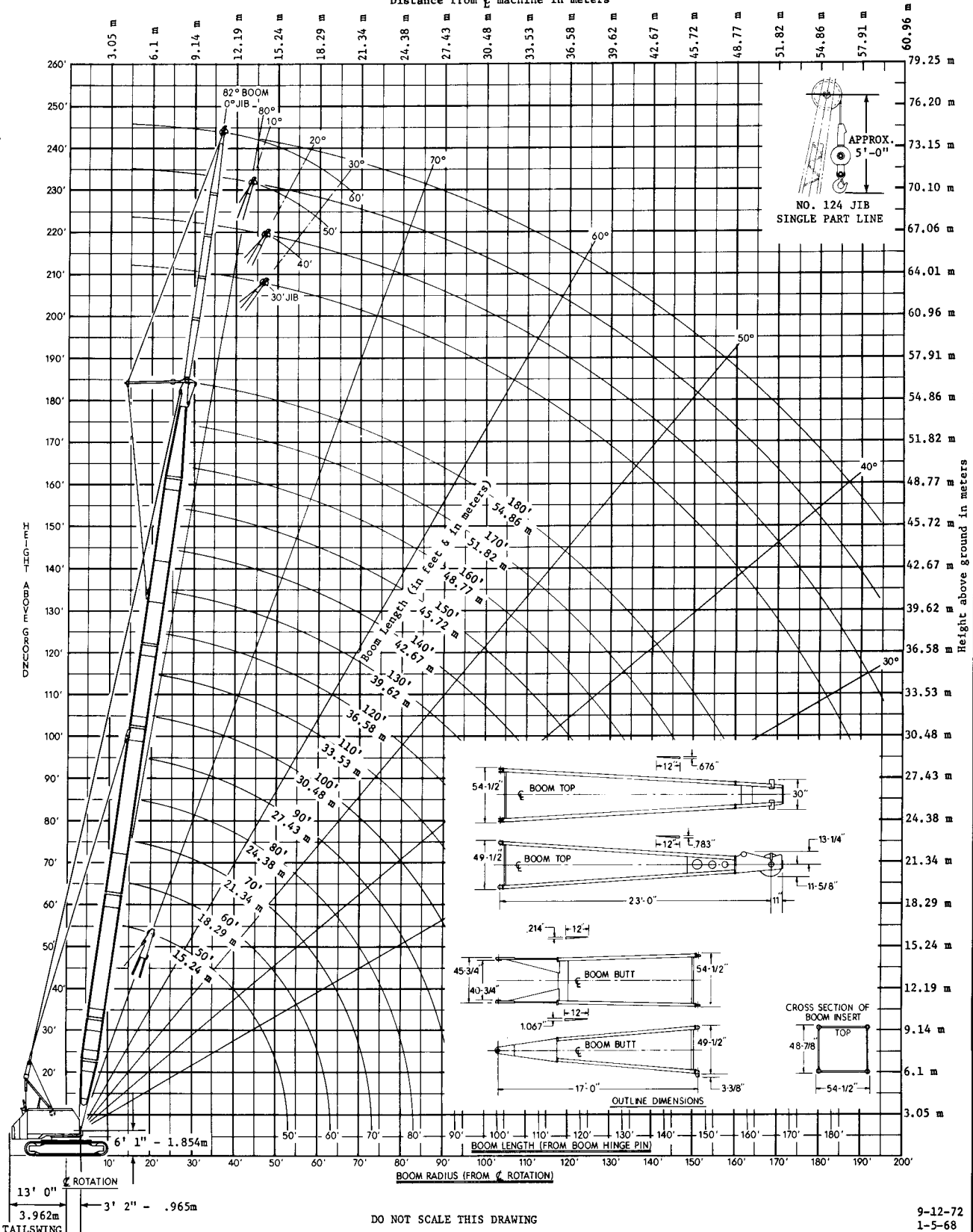
Manitowoc, Wisconsin

NOTE 1: This drawing is intended only as a guide to assist in job planning.
NOTE 2: For planning a lift, this drawing is to be used in conjunction with appropriate-
 A. Capacity Charts. C. Load Line Specifications. E. Outline Dimensions.
 B. Range Chart. D. Rigging Drawing.

NOTE 3: For planning lifts where clearances are limited and accuracy is
 desired, a detailed layout should be prepared.
NOTE 4: When equipped with hoist line limit switch, contact
 factory for load block to boom point minimum distance.

MAXIMUM BOOM ANGLE
 82° For No. 18 Boom w/Open Throat Top

Distance from ϵ machine in meters



DO NOT SCALE THIS DRAWING

Larger Size Diagrams Available - Contact Dealer.

9-12-72
 1-5-68

RANGE DIAGRAM - M2900WC - No. 18 BOOM w/No. 124 JIB



LIFTCRANE CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

2900WC CRAWLER

**BOOM NO. 18 WITH OPEN THROAT TOP
 20'0" CRAWLERS EXTENDED AND BLOCKED
 36,000 LB. COUNTERWEIGHT**

LIFTING CAPACITIES: Capacities for various boom lengths and operating radii may be based on per cent of tipping, strength of structural components, operating speeds and other factors. Capacities are for freely suspended loads and do not exceed **75%** of static tipping loads. Capacities based on structural competence are shown by shaded areas.

Capacities are shown in pounds. Weight of jib, (see chart A), all load blocks, hooks, weight ball, slings, hoist lines beneath boom and jib point sheaves, etc., is considered part of the main boom load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate in a level position on a firm surface with crawlers fully extended and blocked, and gantry in working position, and under conditions referred to in rigging drawing No. 190077 and wire rope specification chart No. 6483-A.

Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, as well as adverse operating conditions or physical machine depreciation.

OPERATING RADIUS: Operating radius is the horizontal distance from the axis of rotation to the center of vertical hoist line or load block with the load freely suspended. Add 11" to boom point radius for radius of sheave when using single part hoist line.

Boom angle is the angle between horizontal and centerline of boom butt and inserts and is an indication of operating radius. In all cases, operating radius shall govern capacity.

BOOM POINT ELEVATION: Boom point elevation, in feet, is the vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 20'0" extendible crawlers, 30" or 36" treads, 9' retractable gantry, 10

part boom hoist reeving, two 1-3/8" pendants, 1st ctwt. 18,000 lbs., 2nd ctwt. 18,000 lbs. Total counterweight 36,000 pounds.

HOIST REEVING FOR MAIN LOAD BLOCK						
No. Parts of Line	1	2	3	4	5	6
Max. Load - Lbs.	18,400	36,800	55,200	73,600	92,000	110,400
No. Parts of Line	7	8				
Max. Load - Lbs.	123,500	130,000				

LOAD AND WHIP LINE SPECIFICATIONS	
LOAD LINE: 3/4" - 6x25 Bright Super Tensile, Monitor AAA, Regular Lay, IWRC. Minimum Breaking Strength 32.3 Ton.	
WHIP LINE: 3/4" - 6x25 Filler Wire, Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 25.6 Ton. Maximum Load - 13,000 lbs. per Line.	

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED			
OVER FRONT OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS	
Boom Length	Jib No. 124	Boom Length	Jib No. 124
180'	---	180'	---
180'	60'	180'	30'
		170'	50'
		160'	60'

Load block, hook and weight ball on ground at start.

(A) DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
Jib Length	Jib No. 124
30'	1,800 Lb.
40'	2,050 Lb.
50'	2,300 Lb.
60'	2,500 Lb.

For jib capacities, consult jib chart.

Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity: Crawlers Extended	
															40
12	77.2	45.1	130,000	34	51.9	45.4	41,000	14	81.1	75.2	92,700	15	81.5	85.2	82,800
13	75.8	44.8	128,000	36	49.0	43.8	37,900	15	80.3	75.1	90,400	16	80.8	85.0	81,000
14	74.3	44.6	126,000	38	45.8	41.9	35,200	16	79.4	74.9	88,200	17	80.0	84.9	79,000
15	72.8	44.4	124,500	40	42.6	39.9	32,800	17	78.6	74.7	86,100	18	79.3	84.7	77,200
16	71.3	43.9	122,800	45	33.2	33.4	28,000	18	77.8	74.5	84,100	19	78.6	84.5	75,400
17	69.8	43.6	119,900	50	20.5	23.6	23,700	19	76.9	74.2	82,200	20	77.9	84.3	73,700
18	68.2	43.2	117,700	13	80.6	65.3	102,900	20	76.1	74.0	80,400	22	76.4	83.8	70,600
19	66.7	42.8	115,200	14	79.6	65.1	100,300	22	74.4	73.5	77,000	24	74.9	83.3	67,700
20	65.1	42.3	112,000	15	78.6	64.9	97,900	24	72.7	72.9	74,000	26	73.4	82.7	65,100
22	61.9	41.4	79,200	16	77.6	64.7	95,600	26	71.0	72.2	70,300	28	71.9	82.1	63,700
24	58.6	40.2	68,900	17	76.7	64.4	93,400	28	69.2	71.5	67,500	30	70.4	81.4	62,000
26	55.2	38.9	60,900	18	75.7	64.2	91,300	30	67.5	70.7	65,700	32	68.9	80.7	60,400
28	51.6	37.4	54,500	19	74.7	63.9	89,300	32	65.7	69.8	64,300	34	67.3	79.9	59,000
30	47.9	35.7	49,300	20	73.7	63.7	87,300	34	63.9	68.9	62,900	36	65.8	79.0	57,700
32	43.9	33.8	44,900	22	71.7	63.0	84,400	36	62.0	67.9	61,500	38	64.2	78.1	56,500
34	39.6	31.5	41,300	24	69.7	62.3	81,600	38	60.2	66.8	60,200	40	62.6	77.1	55,400
36	34.8	28.9	38,200	26	67.6	61.5	78,800	40	58.3	65.6	58,900	45	58.5	74.3	52,400
38	29.4	25.7	35,500	28	65.6	60.7	76,000	45	53.3	62.2	55,700	50	54.2	70.9	49,500
40	23.0	21.7	31,000	30	63.4	59.7	73,200	50	48.0	58.1	52,400	55	49.6	67.0	46,800
12	79.8	55.3	116,600	32	61.3	58.7	70,400	55	42.2	53.1	49,000	60	44.7	62.4	44,200
13	78.7	55.1	113,600	34	59.1	57.5	67,600	60	35.7	46.9	46,900	65	39.4	56.8	43,600
14	77.5	54.9	110,700	36	56.8	56.3	64,800	65	28.0	38.9	38,900	70	26.1	41.3	42,600
15	76.3	54.6	108,000	38	54.5	54.9	62,000	70	17.3	26.9	26,900	80	16.2	28.3	28,300
16	75.1	54.4	105,400	40	52.1	53.4	59,200								
17	73.9	54.1	102,900	45	45.8	49.1	54,400								
18	72.7	53.8	100,500	50	38.7	43.6	49,600								
19	71.5	53.5	98,300	55	30.2	36.3	44,800								
20	70.3	53.1	96,200	60	18.7	25.3	40,000								
22	67.9	52.4	79,000												
24	65.4	51.5	68,700												
26	62.8	50.5	60,600												
28	60.2	49.3	54,200												
30	57.5	48.3	49,000												
32	54.8	46.9	44,700												

Capacities continued on reverse side.



LIFTCRANE CAPACITIES

MEETS ANSI B30.5
 REQUIREMENTS EXCEPT
 WHERE NOTED WITH B

2900WC CRAWLER

BOOM NO. 18 WITH OPEN THROAT TOP 20'0" CRAWLERS — 36,000 LB. COUNTERWEIGHT

LIFTING CAPACITIES: Capacities for various boom lengths and operating radii may be based on per cent of tipping, strength of structural components, operating speeds and other factors. Capacities are for freely suspended loads and do not exceed 75% of static tipping loads. Capacities based on structural competence are shown by shaded areas.

Capacities indicated by "B" represent boom positions which, without load, provide less than required ANSI B30.5 backward stability.

Capacities are shown in pounds. Weight of jib, (see chart A), all load blocks, hooks, weight ball, slings, hoist lines beneath boom and jib point sheaves, etc., is considered part of the main boom load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate in a level position on a firm surface with gantry in working position and under conditions referred to in rigging drawing No. 190077 and wire rope specification chart No. 6483-A.

Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel as well as adverse operating conditions or physical machine depreciation.

OPERATING RADIUS: Operating radius is the horizontal distance from the axis of rotation to the center of vertical hoist line or load block with the load freely suspended. Add 11" to boom point radius for radius of sheave when using single part hoist line.

Boom angle is the angle between horizontal and centerline of boom butt and inserts and is an indication of operating radius. In all cases, operating radius shall govern capacity.

BOOM POINT ELEVATION: Boom point elevation, in feet, is the vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 20'0" extendible crawlers, 30" or 36" treads, 9' retractable gantry, 10 part boom hoist reeving, two 1-3/8" pendants, 1st cwt. 18,000 lbs., 2nd cwt. 18,000 lbs. Total counterweight 36,000 pounds.

HOIST REEVING FOR MAIN LOAD BLOCK						
No. Parts of Line	1	2	3	4	5	6
Max. Load — Lbs.	18,400	36,800	55,200	73,600	92,000	110,400
No. Parts of Line	7	8				
Max. Load — Lbs.	123,500	130,000				

LOAD AND WHIP LINE SPECIFICATIONS	
LOAD LINE: 3/4" — 6x25 Bright Super Tensile, Monitor AAA, Regular Lay, IWRC. Minimum Breaking Strength 32.3 Ton.	
WHIP LINE: 3/4" — 6x25 Filler Wire, Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 25.6 Ton. Maximum Load — 13,000 lbs. per Line.	

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED					
OVER FRONT OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS		OVER SIDE OF RETRACTED CRAWLERS	
Boom Lgth.	Jib No. 124	Boom Lgth.	Jib No. 124	Boom Lgth.	Jib No. 124
180'	---	180'	---	160'	---
180'	30'	180'	30'	150'	---
170'	50'	170'	50'	140'	30'
160'	60'	160'	60'	130'	50'

Load block, hook and weight ball on ground at start.

(A) DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
Jib Length	Jib No. 124
30'	1,800 Lb.
40'	2,050 Lb.
50'	2,300 Lb.
60'	2,500 Lb.

Boo Lgth. Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boo Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boo Lgth. Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boo Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boo Lgth. Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boo Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
40	12	77.2	45.1	105,200B	138,000	60	13	80.6	65.3	91,800B	102,900	80	30	70.4	81.4	28,000	35,300
	13	75.8	44.8	92,400B	124,000		14	79.6	65.1	81,700B	100,500		32	68.9	80.7	25,700	32,300
	14	74.3	44.6	82,200B	113,700		15	78.6	64.9	73,500B	97,900		34	67.4	79.9	23,700	29,800
	15	72.8	44.3	74,100B	100,700		16	77.6	64.7	66,800B	89,900		36	65.8	79.0	22,000	27,600
	16	71.3	43.9	67,400B	90,400		17	76.7	64.4	61,100B	81,400		38	64.2	78.1	20,500	25,700
	17	69.8	43.6	61,700B	81,900		18	75.7	64.2	56,400B	74,400		40	62.6	77.1	19,200	24,000
	18	68.2	43.2	57,000B	74,800		19	74.7	63.9	52,200B	68,400		45	58.5	74.3	16,400	20,500
50	19	66.7	42.8	52,800B	68,900	20	73.7	63.7	48,600B	63,300	50	54.2	70.9	14,200	17,800		
	20	65.1	42.3	49,300B	63,800	22	71.7	63.0	42,700	55,000	55	49.6	67.0	12,500	15,600		
	22	61.9	41.4	43,300B	55,500	24	69.7	62.3	38,000	48,500	60	44.7	62.4	11,100	13,900		
	24	58.6	40.2	38,700B	49,100	26	67.6	61.5	34,200	43,200	65	39.4	56.8	9,900	12,500		
	26	55.2	38.9	34,800B	44,000	28	65.6	60.7	31,000	39,200	70	33.3	50.0	8,900	11,200		
60	28	51.6	37.4	31,700B	39,800	30	63.4	59.7	28,400	35,700	75	26.1	41.3	8,100	10,200		
	30	47.9	35.7	29,000B	36,300	32	61.3	58.7	26,100	32,700	80	16.2	28.3	7,300	9,300		
	32	43.9	33.8	26,700B	33,300	34	59.1	57.5	24,100	30,200							
	34	39.6	31.5	24,800	30,800	36	56.8	56.3	22,400	28,000							
	36	34.8	28.9	23,100	28,600	40	52.1	53.4	19,600	24,300							
	38	29.4	25.7	21,600	26,700	45	45.8	49.1	16,800	20,900							
70	40	23.0	21.7	20,200	25,000	50	38.7	43.6	14,600	18,200	80	14	81.1	75.2	81,600B	92,700	
	38	29.4	25.7	21,600	26,700	55	30.2	36.3	12,900	16,000		15	79.3	75.1	73,400B	80,400	
	36	34.8	28.9	23,100	28,600	60	18.7	25.3	11,500	14,300		16	79.4	74.9	66,700B	78,200	
	34	39.6	31.5	24,800	30,800	17	78.6	74.7	61,000B	81,300		18	77.8	74.5	56,300B	74,300	
	32	43.9	33.8	26,700B	33,300	19	76.9	74.2	52,100B	68,300							
	30	47.9	35.7	29,000B	36,300	20	76.1	74.0	48,500	63,200							
	28	51.6	37.4	31,700B	39,800	22	74.4	73.5	42,600	54,900							
80	26	55.2	38.9	34,800B	44,000	24	72.7	72.9	37,900	48,400	90	19	76.9	74.2	52,100B	68,300	
	24	58.6	40.2	38,700B	49,100	26	71.0	72.2	34,100	43,300		20	76.1	74.0	48,500	63,200	
	22	61.9	41.4	43,300B	55,500	28	69.2	71.5	30,900	39,100		22	74.4	73.5	42,600	54,900	
	20	65.1	42.3	49,300B	63,800	30	67.5	70.7	28,300	35,600		24	72.7	72.9	37,900	48,400	
	18	68.2	43.2	57,000B	74,800	32	65.7	69.8	26,000	32,600		26	71.0	72.2	34,100	43,300	
	16	71.3	43.9	67,400B	90,400	34	63.9	68.9	24,000	30,100		28	69.2	71.5	30,900	39,100	
	14	74.3	44.6	82,200B	113,700	36	62.0	67.9	22,300	27,900		30	67.5	70.7	28,300	35,600	
	12	77.2	45.1	105,200B	138,000							32	65.7	69.8	26,000	32,600	

Capacities continued
 on reverse side.



LOAD LINE SPECIFICATIONS 2900WC

LIFTCRANE — BOOM NO. 18 WITH OPEN THROAT TOP

BOOM OR BOOM AND JIB LENGTH FEET	WHIP LINE LEFT FRONT DRUM FEET		LOAD LINE REAR DRUM FEET	MAXIMUM REQUIRED PARTS OF LINE
	1 PART	2 PART		
40	100	140	380	8
50	120	170	420	7
60	140	200	440	6
70	160	230	510	6
80	180	260	510	5
90	200	290	570	5
100	220	320	570	4
110	240	350	570	4
120	260	380	570	3
130	280	410	620	3
140	300	440	620	3
150	320	470	620	2
160	340	500	620	2
170	360	530	620	2
180	380	560	620	2
190	400	590		
200	420	620		
210	440	650		
220	460	---		
230	480	---		
240	500	---		

LOAD LINE: 3/4" — 6 x 25 Bright Super Tensile, Monitor AAA, Regular Lay, IWRC. Minimum Breaking Strength 32.3 Ton.
 (Approx. Weight Per Ft. in Lbs. 1.04)

HOIST REEVING FOR MAIN LOAD BLOCK								
No. Parts of Line	1	2	3	4	5	6	7	8
Maximum Load — Lbs.	18,400	36,800	55,200	73,600	92,000	110,400	123,500	130,000

WHIP LINE: 3/4" — 6 x 25 Filler Wire, Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 25.6 Ton.
 Maximum Load = 13,000 lbs./Line.
 (Approx. Weight Per Ft. in Lbs. 1.04)