

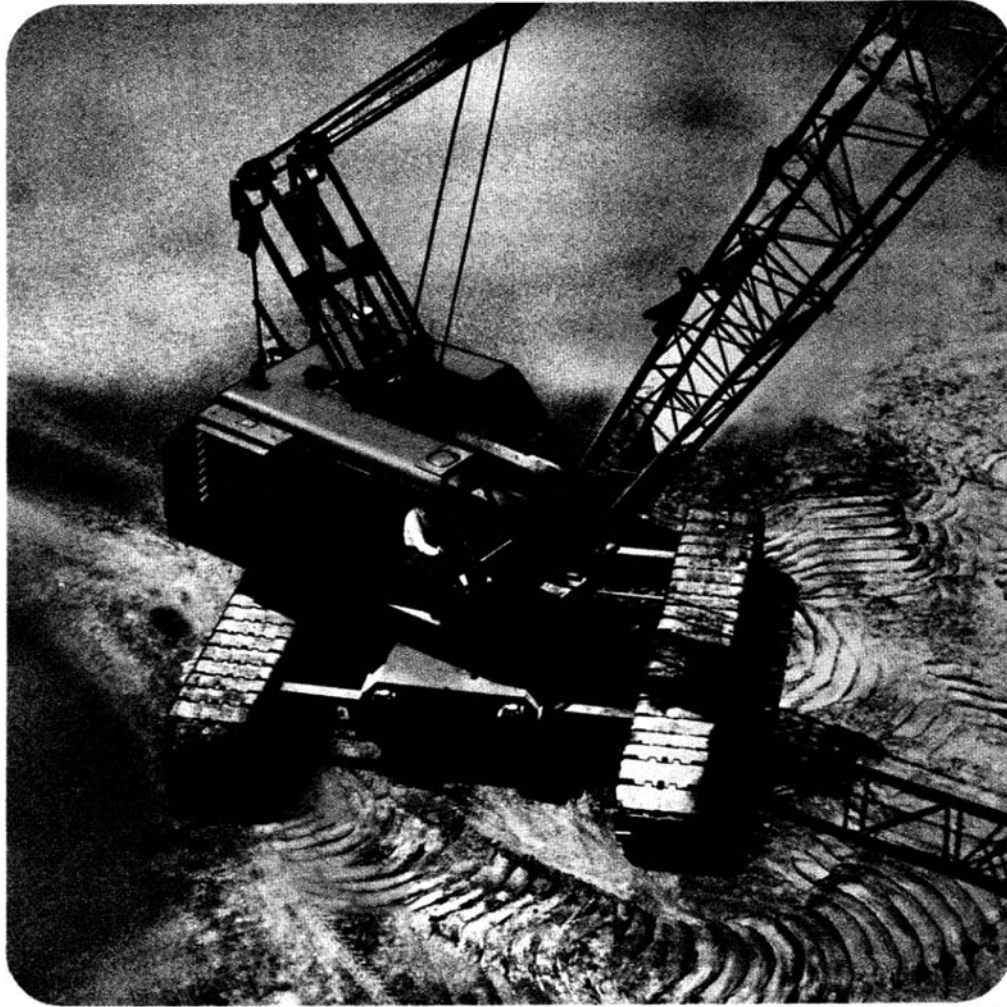


MANITOWOC

2900WC

LIFTCRANE

PILEDRIVER



specifications

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(A Division of The Manitowoc Company, Inc.)



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

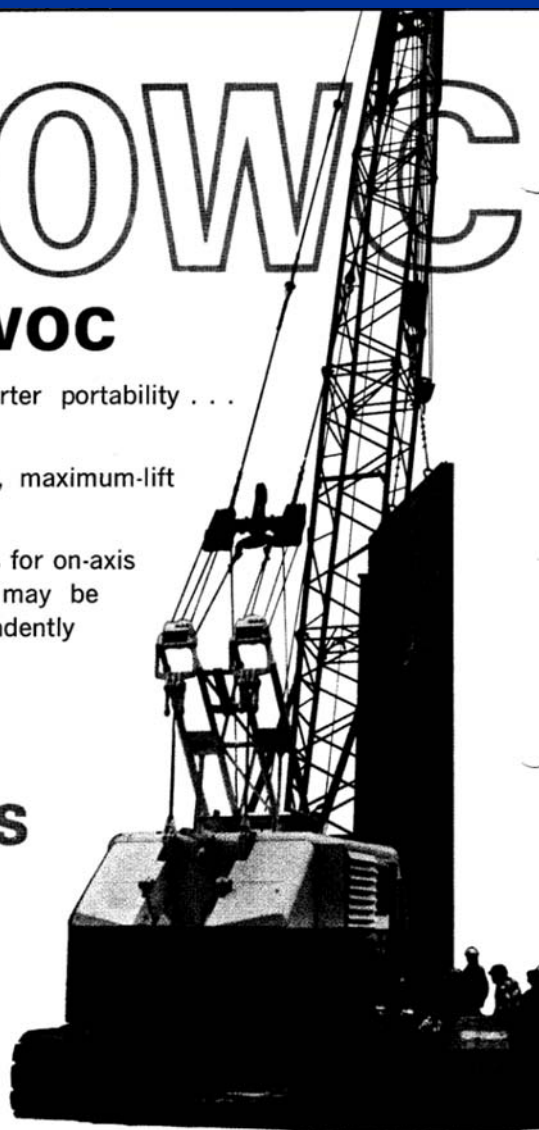
POWER

BASIC — Cummins HS-672-B (previously HS-6-B1) Diesel with three stage Twin Disc torque converter; 6 cylinder; 4 $\frac{1}{4}$ " 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

	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	LEFT	RIGHT
Drum Diameter	10¼"	5½"	16"
Drum Width	10¼"	9⅞"	22¼"
Lagging Rod Diameter		21½"	none
Rope Diameter	7/8"	¾"	7/8"
Spooling 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:

1. Two stage hydraulic pump mounted on front of power plant, with each stage providing a rated flow of 80 gal. per min. @ 2000 rpm.
2. Hydraulic control valves in back of operator, one valve for each crawler.
3. 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.

*U.S. Patent No. 3,123,223

LIFT CRANE 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 — 45¼" 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.

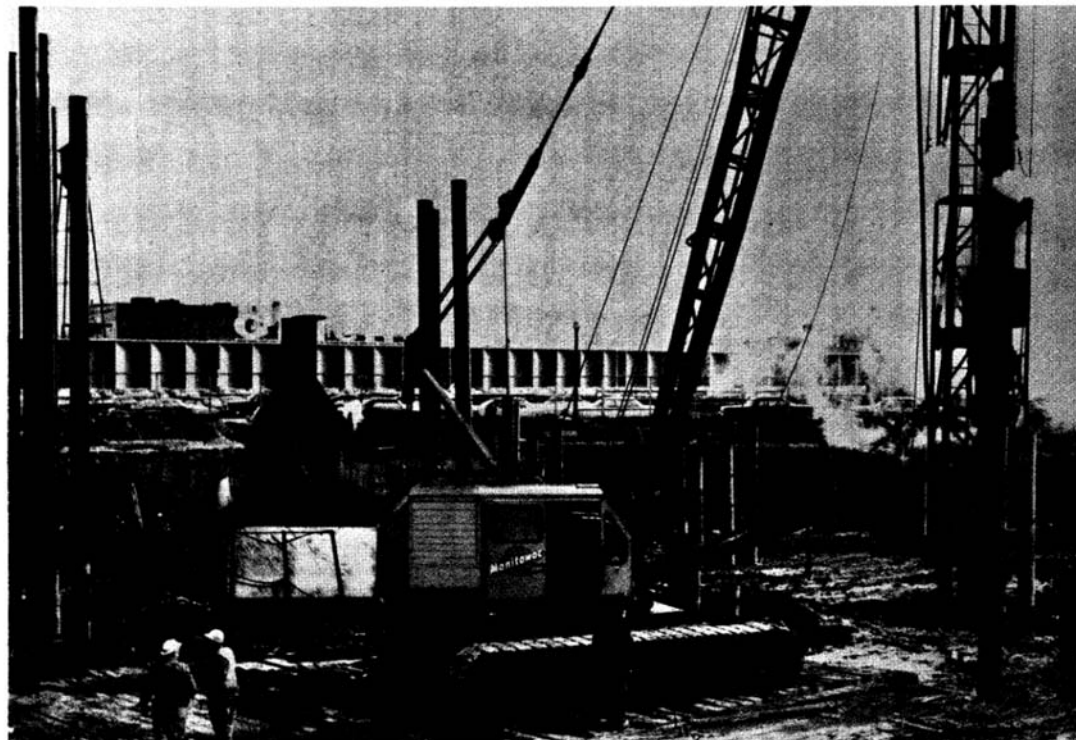
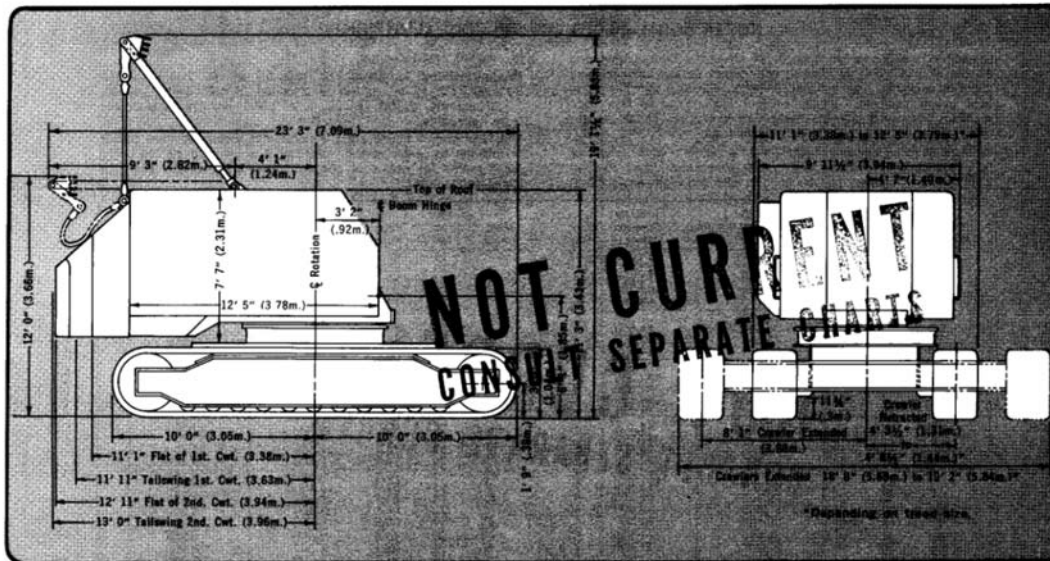
Wire top guides with 12" OD sheaves and rollers are used to guide the hoist wire ropes.

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 LIFT CRANE, 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 3/4" pendant bridle, 18,000 lb. first counterweight and 18,000

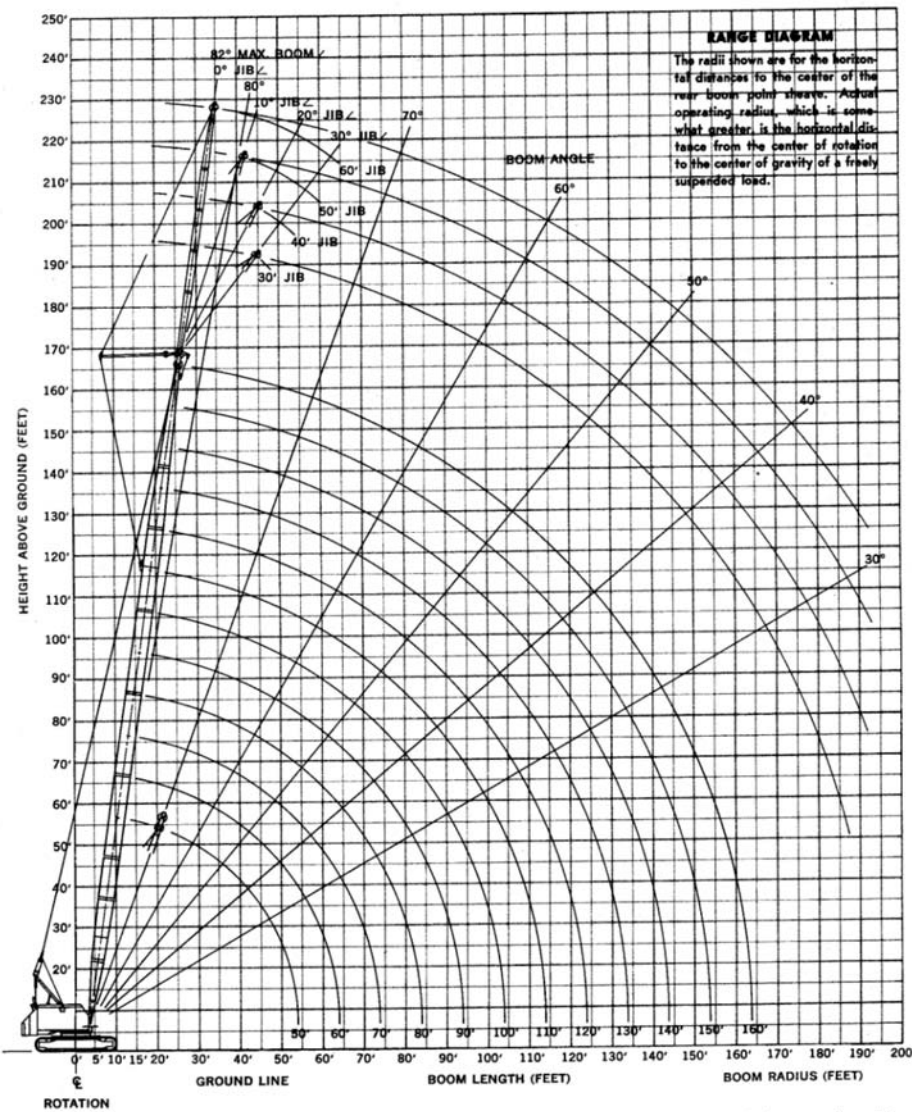
lb. second counterweight.

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
40	12	77.2	104,800*	6	130,000	7
	15	72.8	73,700*	5	120,000	7
	18	68.2	56,600*	4	112,200	7
	20	65.1	49,000*	3	92,700	6
	24	58.6	38,400*	3	68,500	4
50	28	51.6	31,400*	2	54,100	4
	32	43.9	26,500	2	44,600	3
	36	34.8	22,800	2	37,900	3
	40	23.0	20,000	2	29,800	3
	15	76.3	73,500*	5	120,000	7
60	18	72.7	56,000*	4	112,200	7
	20	70.3	48,300*	3	92,400	6
	24	65.4	38,400*	3	68,400	4
	28	60.2	31,200*	2	54,000	4
	32	54.8	26,200	2	44,400	3
70	36	49.0	19,600	2	37,700	3
	40	42.6	15,700	2	33,600	3
	50	20.5	13,100	2	22,800	2
	15	78.6	73,100*	5	120,000	7
	18	75.7	56,400*	4	111,800	7
80	20	73.7	48,400*	3	92,400	6
	24	69.7	37,800	3	68,200	4
	28	65.6	30,900	2	53,800	4
	32	61.3	25,900	2	44,200	3
	36	56.8	22,300	2	37,400	3
90	40	52.1	19,400	2	32,300	2
	50	38.7	14,500	1	23,900	2
	60	18.7	11,400	1	17,900	2
	15	80.3	73,100*	5	109,500	6
	18	77.8	56,000*	4	101,000	6
100	20	76.1	48,300	3	92,300	6
	24	72.7	37,700	3	68,100	4
	28	69.2	30,700	2	53,600	4
	32	65.7	25,800	2	44,100	3
	36	62.0	22,100	2	37,300	3
110	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
	15	81.5	72,800*	5	103,800	6
120	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
	32	68.9	25,400	2	43,800	3
130	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
140	80	16.2	7,100	1	11,700	1
	16	81.8	66,000	4	98,000	6
	18	80.5	55,500	3	93,000	6
	20	79.2	47,800	3	88,600	6
	24	76.6	37,200	3	67,700	4
150	28	74.0	30,200	2	53,300	4
	32	71.3	25,300	2	43,700	3
	36	68.6	21,600	2	37,100	3
	40	65.8	18,800	2	31,800	2
	50	58.6	13,900	1	23,300	2
160	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
	18	81.5	55,300	4	86,000	5
	20	80.3	47,600	3	83,300	5
170	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
	36	70.8	21,300	2	36,600	3
	40	68.4	18,500	2	31,500	2
180	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.

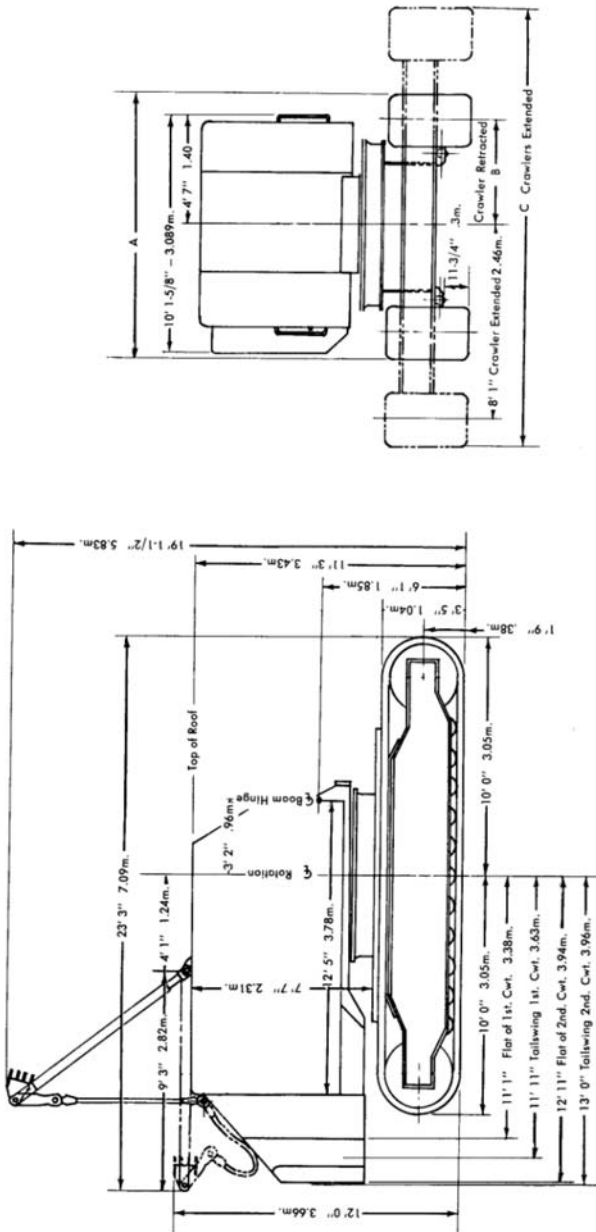


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Manitowoc, Wisconsin



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.

7-26-71
9-14-67
Date 8-25-67

OUTLINE DIMENSIONS - M2900WC

180060

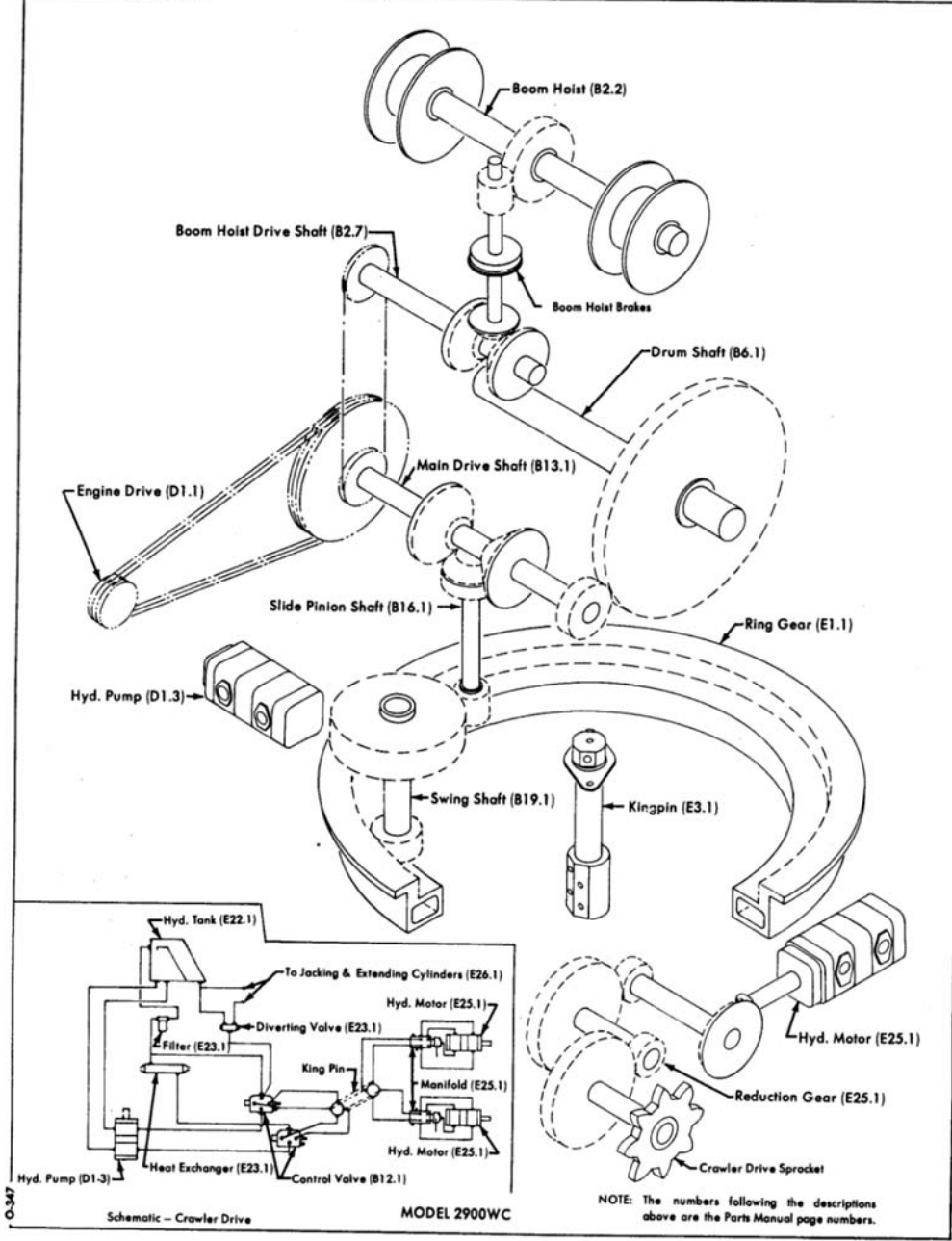
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Manitowoc, Wisconsin



POWER TRAIN

**MANITOWOC ENGINEERING CO.**

(A division of The Manitowoc Company, Inc.) Manitowoc, Wisconsin 54220

**DRUM AND LAGGING CHART** **2900WC**

APPLICATION	DRUM	PART NUMBER	DIA.	WIDTH	TYPE OF DRUM OR LAGGING	WIRE ROPE SIZES
LIFTCRANE						
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"
CLAMSHELL						
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"
DRAGLINE — HINGED FAIRLEAD						
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"
PILEDRIIVER						
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"

Drwg. No. 4864, 7-15-75

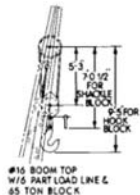
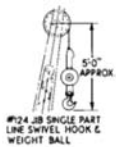


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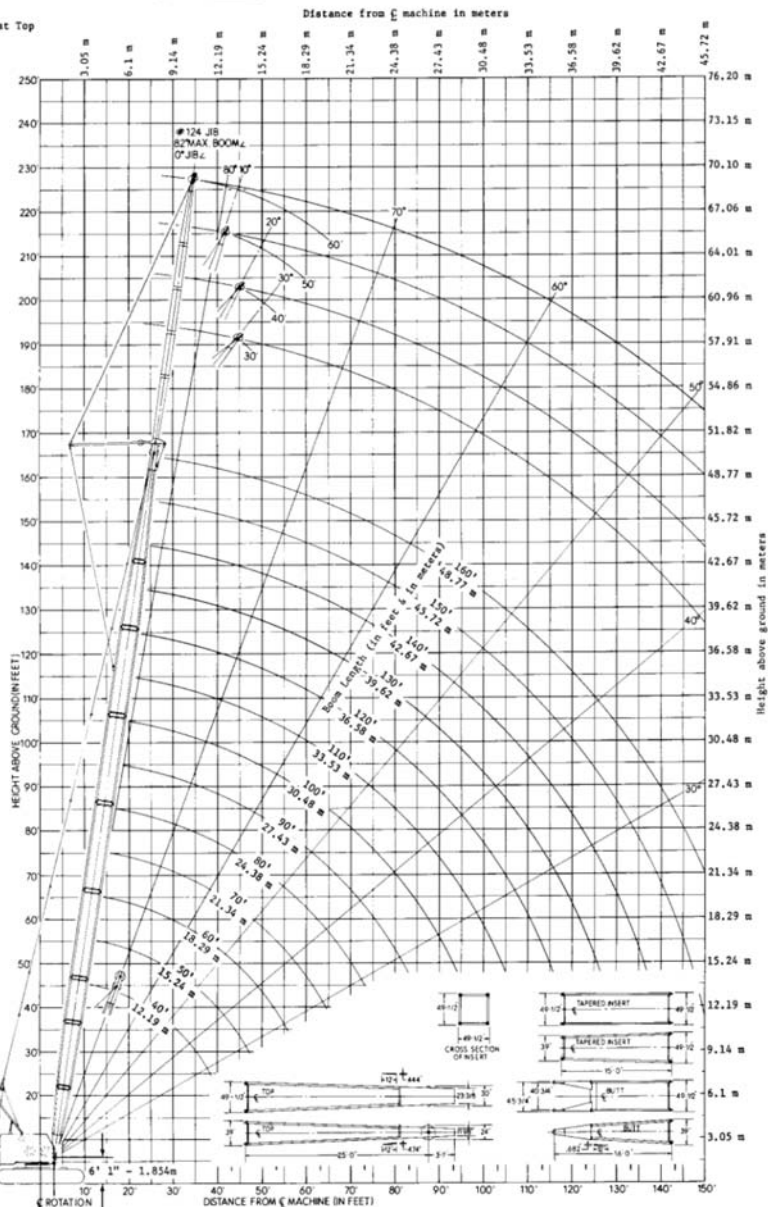
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Manitowoc, Wisconsin

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



- 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 30° 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

13' 0" = 3.962m
TAILSWING

6' 1" = 1.854m
3' 2" = .965m

DO NOT SCALE THIS DRAWING

Larger Size Diagrams Available - Contact Dealer.

11-20-72

**MANITOWOC ENGINEERING CO.**

(A division of The Manitowoc Company, Inc.) Manitowoc, Wisconsin 54220

**LIFTCRANE CAPACITIES****BOOM NO. 16 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. 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, 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.

Boom Lgth. Feet	Oper. Rad.: Feet	Sm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth. Feet	Oper. Rad.: Feet	Sm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth. Feet	Oper. Rad.: Feet	Sm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
12	77.6	46.1	106,600	140,000	131,600	13	80.7	66.3	93,000	131,600	131,600	38	60.6	67.9	20,600	25,800	25,800
13	76.1	45.9	93,500	132,000	114,600	14	79.8	66.1	82,600	114,600	114,600	40	58.7	66.8	19,300	24,100	24,100
14	74.7	45.6	83,200	115,000	101,300	15	78.8	65.9	74,300	101,300	101,300	45	53.9	63.4	16,500	20,500	20,500
15	73.2	45.3	74,900	101,900	90,800	16	77.9	65.7	67,500	90,800	90,800	50	48.7	59.4	14,300	17,800	17,800
16	71.8	45.0	68,000	91,200	82,200	17	76.9	65.5	61,800	82,200	82,200	55	43.1	54.6	12,500	15,600	15,600
17	70.3	44.7	62,300	82,600	75,000	18	75.9	65.2	56,900	75,000	75,000	60	36.8	48.6	11,100	13,900	13,900
18	68.8	44.3	57,400	75,500	68,900	19	75.0	65.0	52,700	68,900	68,900	65	29.4	41.0	9,900	12,400	12,400
19	67.3	43.9	53,300	69,400	63,700	20	74.0	64.7	49,000	63,700	63,700	70	19.7	30.0	8,900	11,200	11,200
20	65.8	43.4	49,600	64,200	55,300	22	72.0	64.1	43,000	55,300	55,300	15	81.6	86.2	73,900	101,000	101,000
22	62.9	42.5	43,600	55,800	48,800	24	70.0	63.4	38,200	48,800	48,800	16	80.9	86.0	67,100	90,500	90,500
24	59.5	41.4	38,800	49,300	43,600	26	68.0	62.6	34,300	43,600	43,600	17	80.2	85.9	61,300	81,800	81,800
26	56.2	40.1	34,900	44,100	39,300	28	66.0	61.8	31,100	39,300	39,300	18	79.4	85.7	56,500	74,600	74,600
28	52.7	38.7	31,700	39,800	35,700	30	63.9	60.8	28,400	35,700	35,700	19	78.7	85.5	52,300	68,600	68,600
30	49.1	37.1	29,000	36,300	32,700	32	61.8	59.8	26,100	32,700	32,700	20	78.0	85.3	48,600	63,400	63,400
32	45.3	35.2	26,700	33,300	30,100	34	59.6	58.7	24,100	30,100	30,100	22	76.6	84.8	42,600	54,900	54,900
34	41.2	33.1	24,700	30,700	27,900	36	57.4	57.5	22,400	27,900	27,900	24	75.1	84.3	37,800	48,400	48,400
36	36.8	30.6	23,000	28,500	26,000	38	55.2	56.1	20,800	26,000	26,000	26	73.6	83.8	33,900	43,200	43,200
38	31.8	27.7	21,400	26,500	24,000	40	52.9	54.7	19,500	24,000	24,000	28	72.1	83.2	30,700	38,900	38,900
40	26.1	24.1	20,100	24,800	22,700	45	46.7	50.5	16,600	20,700	20,700	30	70.7	82.5	28,000	35,300	35,300
42	21.1	21.1	18,800	23,300	21,400	50	39.8	45.1	14,500	18,000	18,000	32	69.1	81.8	25,700	32,300	32,300
44	17.7	18.9	17,500	22,000	20,100	55	31.8	38.2	12,700	15,800	15,800	34	67.6	81.0	23,700	29,700	29,700
46	14.7	16.9	16,200	20,800	18,900	60	21.3	28.2	11,300	14,100	14,100	36	66.1	80.1	21,900	27,500	27,500
48	12.0	14.2	15,000	19,600	17,700	14	81.2	76.2	82,500	114,500	114,500	38	64.5	79.2	20,400	25,500	25,500
50	9.5	11.7	13,800	18,400	16,500	15	80.4	76.1	74,200	101,200	101,200	40	63.0	78.2	19,000	23,800	23,800
52	7.0	9.0	12,600	17,200	15,300	16	79.6	75.9	67,300	90,700	90,700	45	58.9	75.4	16,200	20,300	20,300
54	4.5	6.5	11,400	16,000	14,100	17	78.8	75.7	61,600	82,000	82,000	50	54.7	72.2	14,000	17,500	17,500
56	2.0	4.0	10,200	14,800	12,900	18	77.9	75.5	56,700	74,900	74,900	55	50.2	68.3	12,200	15,400	15,400
58	0.0	2.0	9,000	13,600	11,700	19	77.1	75.3	52,500	68,800	68,800	60	45.4	63.8	10,800	13,600	13,600
60	0.0	0.0	8,000	12,400	10,500	20	76.3	75.0	48,900	63,600	63,600	65	40.2	58.4	9,600	12,100	12,100
62	0.0	0.0	7,200	11,200	9,300	22	74.6	74.5	42,800	55,200	55,200	70	34.4	51.8	8,600	10,900	10,900
64	0.0	0.0	6,400	10,000	8,100	24	72.9	73.9	38,100	48,600	48,600	75	27.5	43.5	7,700	9,800	9,800
66	0.0	0.0	5,600	8,800	7,000	26	71.2	73.3	34,200	43,400	43,400	80	18.5	31.7	7,000	8,900	8,900
68	0.0	0.0	4,800	7,600	6,000	28	69.5	72.6	30,900	39,100	39,100						
70	0.0	0.0	4,000	6,400	5,000	30	67.8	71.8	28,200	35,600	35,600						
72	0.0	0.0	3,200	5,200	4,000	32	66.0	70.9	25,900	32,600	32,600						
74	0.0	0.0	2,400	4,000	3,000	34	64.3	70.0	23,900	30,000	30,000						
76	0.0	0.0	1,600	3,200	2,200	36	62.5	69.0	22,200	27,700	27,700						

Capacities continued
on reverse side.

Form No. 6723-B, 2-23-76/GA

**SEE CONDITIONS ON REVERSE SIDE**

Boom Lgth.: Feet	Oper. Rad.: Feet	Sw. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	Sw. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	Sw. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	
17	81.3	96.0	61.200	61,200	81,700	26	79.1	124.9	33.200	33,200	42,500	36	78.2	163.7	20.200	20,200	25,900	
18	80.6	95.8	56.300	56,300	74,500	28	78.2	124.5	29.900	29,900	38,200	38	77.5	163.2	18.700	18,700	23,900	
19	80.0	95.7	52.100	52,100	69,400	30	77.2	124.0	27.200	27,200	34,600	40	76.8	162.8	17.300	17,300	22,200	
20	79.3	95.5	48.400	48,400	63,200	32	76.2	123.6	24.900	24,900	31,600	45	74.9	161.5	14.500	14,500	18,600	
22	78.1	95.1	42.400	42,400	54,800	34	75.2	123.1	22.900	22,900	29,000	50	73.1	160.1	12.300	12,300	15,900	
24	76.8	94.6	37.600	37,600	48,200	36	74.3	122.5	21.100	21,100	26,800	55	71.2	158.5	10.500	10,500	13,700	
26	75.5	94.2	33.700	33,700	43,000	38	73.3	121.9	19,600	19,600	24,800	60	69.3	156.7	9,000	9,000	11,900	
28	74.2	93.6	30.500	30,500	38,700	40	72.3	121.3	18,200	18,200	23,100	65	67.4	154.7	7,800	7,800	10,400	
30	72.9	93.0	27.800	27,800	35,100	45	69.8	119.6	15,400	15,400	19,500	70	65.5	152.5	6,800	6,800	9,200	
32	71.5	92.4	25.400	25,400	32,100	50	67.2	117.6	13,200	13,200	16,800	75	63.5	150.1	5,900	5,900	8,100	
34	70.2	91.7	23.400	23,400	29,500	55	64.6	115.4	11,500	11,500	14,600	80	61.5	147.5	5,200	5,200	7,200	
36	68.9	90.9	21.700	21,700	27,300	60	62.0	112.9	10,000	10,000	12,900	85	59.5	144.7	4,500	4,500	6,400	
38	67.5	90.1	20.200	20,200	25,300	65	59.3	110.1	8,800	8,800	11,400	90	57.4	141.6	3,900	3,900	5,700	
40	66.1	89.3	18.800	18,800	23,600	70	56.5	108.2	7,800	7,800	10,100	95	55.2	138.3	3,400	3,400	5,100	
45	62.6	86.9	16,000	16,000	20,100	75	53.6	103.4	6,900	6,900	9,100	100	53.0	134.7			4,500	
50	59.0	84.1	13,800	13,800	17,300	80	50.6	99.5	6,200	6,200	8,200	105	50.8	130.8			4,000	
55	55.3	80.9	12,000	12,000	15,300	85	47.4	95.2	5,500	5,500	7,400	110	48.4	126.5			3,500	
60	51.4	77.1	10,600	10,600	13,400	90	44.1	90.3	4,900	4,900	6,600	115	46.0	121.9			3,100	
65	47.2	72.8	9,400	9,400	11,900	95	40.6	84.8	4,400	4,400	6,000							
70	42.7	67.8	8,400	8,400	10,700	100	36.2	78.5	3,900	3,900	5,500							
75	37.9	61.9	7,500	7,500	9,600	105	32.7	71.4	3,500	3,500	5,000							
80	33.9	57.8	6,700	6,700	8,700	110	28.0	64.2	3,200	3,200	4,500							
85	29.9	45.9	6,100	6,100	7,900	115	22.4	52.3			4,100							
19	81.0	105.8	52,000	52,000	68,400	28	79.1	134.7	29,700	29,700	38,000	36	78.2	134.3	27,000	27,000	34,400	
20	80.4	105.5	48,400	48,400	63,200	30	78.2	134.3	27,000	27,000	34,400	32	77.3	133.8	24,700	24,700	31,400	
22	79.3	105.3	42,300	42,300	54,700	34	76.4	133.4	22,700	22,700	28,800	36	75.5	132.4	20,900	20,900	26,600	
24	78.1	104.9	37,500	37,500	48,200	38	74.6	132.3	19,400	19,400	24,600	40	73.7	131.8	18,000	18,000	22,900	
26	76.9	104.4	33,700	33,700	42,900	45	71.4	130.2	15,200	15,200	19,300	50	69.1	128.4	13,000	13,000	16,600	
28	75.8	104.0	30,400	30,400	38,700	55	66.7	126.4	11,300	11,300	14,400	60	64.3	124.1	9,800	9,800	12,600	
30	74.6	103.4	27,700	27,700	35,100	65	61.8	121.6	8,600	8,600	11,200	70	59.3	118.7	7,600	7,600	9,900	
32	73.4	102.9	25,400	25,400	32,100	75	56.7	115.6	6,700	6,700	8,900	80	54.1	112.2	6,000	6,000	7,900	
34	72.2	102.2	23,400	23,400	29,500	85	51.3	108.4	5,300	5,300	7,100	90	48.5	104.1	4,700	4,700	6,400	
36	71.0	101.6	21,600	21,600	27,300	95	45.2	102.5	4,200	4,200	6,000	100	42.3	94.3	3,700	3,700	5,200	
38	69.8	100.9	20,100	20,100	25,300	105	39.0	88.5	3,300	3,300	4,700							
40	68.6	100.1	18,700	18,700	23,600													
45	65.5	98.0	15,900	15,900	20,000													
50	62.4	95.5	13,700	13,700	17,300													
55	59.1	92.7	12,000	12,000	15,100													
60	55.8	89.6	10,500	10,500	13,300													
65	52.3	85.9	9,300	9,300	11,900													
70	48.6	81.8	8,300	8,300	10,600													
75	44.7	77.1	7,400	7,400	9,600													
80	40.5	71.6	6,700	6,700	8,700													
85	35.9	65.3	6,000	6,000	7,900													
90	30.7	57.6	5,400	5,400	7,100													
95	24.6	48.1	4,900	4,900	6,500													
22	80.2	115.5	42,100	42,100	54,600	30	79.0	144.5	26,800	26,800	34,200	32	78.2	144.1	24,400	24,400	31,200	
24	79.2	115.1	37,300	37,300	48,000	34	77.4	143.6	22,400	22,400	28,600	36	76.5	143.2	20,700	20,700	26,300	
26	78.1	114.7	33,400	33,400	42,700	38	75.7	142.7	19,100	19,100	24,400	40	74.9	142.2	17,800	17,800	22,600	
28	77.1	114.2	30,200	30,200	38,500	45	72.7	140.7	14,900	14,900	19,100	50	70.6	139.1	12,700	12,700	16,300	
30	76.0	113.8	27,500	27,500	34,900	55	68.4	137.2	11,000	11,000	14,200	60	66.2	135.1	9,500	9,500	12,400	
32	74.9	113.3	25,200	25,200	31,900	65	64.0	132.8	8,300	8,300	10,900	70	61.7	130.2	7,300	7,300	9,700	
34	73.9	112.7	23,200	23,200	29,300	75	59.4	127.4	6,400	6,400	8,600	80	57.0	124.3	5,700	5,700	7,700	
36	72.8	112.1	21,400	21,400	27,000	85	54.5	120.9	5,000	5,000	6,900	90	52.0	117.2	4,400	4,400	6,200	
38	71.7	111.5	19,900	19,900	25,100	95	49.4	113.1	3,900	3,900	5,500	100	46.6	108.6	3,400	3,400	5,000	
40	70.6	110.8	18,500	18,500	23,400	105	43.8	103.6	3,000	3,000	4,500	110	40.7	98.1			4,000	
45	67.9	108.9	15,700	15,700	19,800	115	37.5	91.9			3,600							
50	63.5	106.7	13,500	13,500	17,100	120	34.0	85.0			3,200							
55	62.2	104.2	11,700	11,700	14,900													
60	59.2	101.4	10,300	10,300	13,100													
65	56.1	98.2	9,100	9,100	11,700													
70	53.0	94.7	8,100	8,100	10,400													
75	49.7	90.7	7,200	7,200	9,300													
80	46.2	86.2	6,400	6,400	8,400													
85	42.5	81.1	5,800	5,800	7,600													
90	38.5	75.2	5,200	5,200	6,900													
95	34.2	68.4	4,700	4,700	6,300													
100	29.3	60.3	4,200	4,200	5,700													
105	23.4	50.2	3,800	3,800	5,200													

Combined From Charts:
No. 6723-B 2-9-76
No. 6723-C 2-23-76
No. 6445-A 1-29-75
No. 6720 12-5-75

SEE CONDITIONS ON REVERSE SIDE

**MANITOWOC ENGINEERING CO.**

(A Division of The Manitowoc Company, Inc.) Manitowoc, Wisconsin 54220

**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 REEVEING 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	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	90	17	81.3	96.0	95,000
	13	76.1	45.9	135,000		36	49.9	45.1	37,700		30	67.8	71.8	48,500		18	80.6	95.8	93,400
	14	74.7	45.6	129,500		38	46.9	43.3	34,900		32	66.0	70.7	44,100		19	80.0	95.7	91,900
	15	73.2	45.3	125,500		40	43.8	41.3	32,600		34	64.3	70.0	40,400		20	79.3	95.5	90,500
	16	71.8	45.0	122,800		45	34.9	35.2	27,700		36	62.5	69.0	37,300		22	78.1	95.1	88,300
	17	70.3	44.7	119,100		50	23.3	26.3	23,900		60	36.8	48.6	18,400		24	76.8	94.6	87,900
	18	68.8	44.3	112,700		13	80.7	66.3	134,600		65	29.4	41.0	16,500		26	75.5	94.2	86,800
	19	67.3	43.9	102,000		14	79.8	66.1	125,500		70	19.7	30.0	14,900		28	74.2	93.6	85,400
	20	65.8	43.4	93,100		15	78.8	65.9	122,900		75	15.0	25.0	13,500		30	72.9	93.0	84,100
	22	62.7	42.5	79,200		16	77.9	65.7	120,300		80	10.3	20.3	12,100		32	71.5	92.4	83,700
	24	59.5	41.4	68,800		17	76.9	65.5	117,300		85	7.5	17.5	10,700		34	70.2	91.7	82,300
	26	56.2	40.1	60,700	60	18	75.9	65.2	112,400		90	5.0	15.0	9,300		36	68.9	90.9	80,900
50	28	52.7	38.7	54,300		19	75.0	65.0	101,700		95	2.5	12.5	8,000		38	67.5	90.1	79,500
	30	49.1	37.1	49,100		20	74.0	64.7	92,700		100	0.0	10.0	6,700		40	66.1	89.3	78,100
	32	45.3	35.2	44,700		22	72.0	64.1	84,800		105	0.0	10.0	5,400		45	62.5	86.9	73,300
	34	41.2	33.1	41,100		24	70.0	63.4	78,800		110	0.0	10.0	4,100		50	59.0	84.1	68,800
	36	36.8	30.6	37,900		25	68.0	62.6	73,000		115	0.0	10.0	2,800		55	55.3	80.9	63,800
	38	31.8	27.7	35,200		26	66.0	61.8	68,300		120	0.0	10.0	1,500		60	51.4	77.1	59,000
	40	26.1	24.1	31,600		28	63.9	60.8	63,600		125	0.0	10.0	200		65	47.2	72.8	54,300
	12	80.0	56.3	140,000		30	63.9	60.8	58,900		130	0.0	10.0	0		70	42.7	67.8	49,600
	13	78.9	56.1	135,000		32	61.8	59.8	54,300		135	0.0	10.0	0		75	37.9	61.9	45,000
	14	77.7	55.9	129,500		34	59.6	58.7	50,600		140	0.0	10.0	0		80	32.4	54.8	40,500
	15	76.6	55.7	124,200	70	36	57.4	57.5	47,000		145	0.0	10.0	0		85	25.9	45.9	36,000
	16	75.4	55.4	121,500		38	55.2	56.1	43,400		150	0.0	10.0	0					
60	17	74.3	55.2	118,200		40	52.9	54.7	40,000		155	0.0	10.0	0					
	18	73.1	54.9	112,600		45	46.7	50.5	37,000		160	0.0	10.0	0					
	19	71.9	54.5	107,000		50	39.8	45.1	33,800		165	0.0	10.0	0					
	20	70.7	54.2	102,500		55	31.8	38.2	30,900		170	0.0	10.0	0					
	22	68.3	53.5	79,000		60	21.3	28.2	28,600		175	0.0	10.0	0					
	24	65.9	52.6	68,600		14	81.2	76.2	123,500		180	0.0	10.0	0					
	26	63.4	51.7	60,500		15	80.4	76.1	121,600		185	0.0	10.0	0					
	28	60.9	50.6	54,100		16	79.6	75.9	119,700		190	0.0	10.0	0					
	30	58.3	49.4	48,900		17	78.8	75.7	117,800		195	0.0	10.0	0					
	32	55.6	48.1	44,500		18	77.9	75.5	115,900		200	0.0	10.0	0					
						19	77.1	75.3	114,000		205	0.0	10.0	0					
						20	76.3	75.0	112,100		210	0.0	10.0	0					
						22	74.6	74.5	108,200		215	0.0	10.0	0					
						24	72.9	73.9	104,300		220	0.0	10.0	0					
						26	71.2	73.3	100,400		225	0.0	10.0	0					

Capacities continued
on reverse side.

Form No. 6723-A, 2-9-76/GA

**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	38,400	
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	
100					125	21.6	54.2	5,000						
22	80.2	115.5	72,200		30	79.0	144.5	47,300						
24	79.2	115.1	67,800		32	78.2	144.1	42,900						
26	78.1	114.7	59,700		34	77.4	143.6	39,200						
28	77.1	114.2	53,200		36	76.5	143.2	36,000						
30	76.0	113.8	47,900		38	75.7	142.7	33,200						
32	74.9	113.3	43,500		40	74.9	142.2	30,800						
34	73.9	112.7	39,800		45	72.7	140.7	26,000						
36	72.8	112.1	36,600		50	70.6	138.1	22,200						
38	71.7	111.5	33,900		55	68.4	137.2	19,300						
40	70.6	110.8	31,500		60	66.2	135.1	17,000						
45	67.9	108.9	26,600		65	64.0	132.8	15,000						
50	65.0	106.7	22,900		70	61.7	130.2	13,400						
55	62.2	104.2	20,000		75	59.4	127.4	12,000						
60	59.2	101.4	17,700		80	57.0	124.3	10,900						
65	56.1	98.2	15,800		85	54.5	120.9	9,800						
70	53.0	94.7	14,100		90	52.0	117.2	8,900						
75	49.7	90.7	12,800		95	49.4	113.1	8,100						
80	46.2	86.2	11,600		100	46.6	108.6	7,400						
85	42.5	81.1	10,600		105	43.8	103.6	6,800						
90	38.5	75.2	9,600		110	40.7	98.1	6,200						
95	34.2	68.4	8,800		115	37.5	91.9	5,700						
100	29.3	60.3	8,100		120	34.0	85.0	5,200						
105	23.4	50.2	7,500		125	30.2	77.0	4,700						
26	79.1	124.9	59,500		130	25.9	67.7	4,300						
28	78.2	124.5	53,000		135	20.8	56.1	4,000						
30	77.2	124.0	47,700		34	78.2	153.9	39,000						
32	76.2	123.6	43,300		36	77.4	153.4	35,800						
34	75.2	123.1	39,600		38	76.7	153.0	33,000						
36	74.3	122.5	36,400		40	75.9	152.5	30,600						
38	73.3	121.9	33,700		45	73.9	151.2	25,800						
40	72.3	121.3	31,300		50	71.9	149.6	22,000						
45	69.8	119.6	26,400		55	69.9	147.9	19,100						
50	67.2	117.6	22,700		60	67.9	146.0	16,800						
55	64.6	115.4	19,800		65	65.8	143.8	14,800						
60	62.0	112.9	17,400		70	63.7	141.5	13,200						
65	59.3	110.1	15,500		75	61.6	138.9	11,800						
70	56.5	106.9	13,900		80	59.4	136.1	10,600						
75	53.6	103.4	12,500		85	57.2	133.0	9,600						
80	50.6	99.5	11,300		90	54.9	129.6	8,700						
85	47.4	95.2	10,300		95	52.5	125.9	7,900						
90	44.1	90.3	9,400		100	50.1	121.9	7,200						
95	40.6	84.9	8,600		105	47.6	117.6	6,500						
100	36.8	78.6	7,900		110	45.0	112.8	6,000						
105	32.7	71.4	7,200		115	42.2	107.5	5,400						
110	28.0	62.9	6,700		120	39.3	101.7	5,000						
115	22.4	52.3	6,100		125	36.2	95.3	4,500						
					130	32.9	88.0	4,100						
					135	29.2	79.7	3,800						
					140	25.0	69.9	3,400						

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

SEE CONDITIONS ON REVERSE SIDE

**MANITOWOC ENGINEERING CO.**

(A division of The Manitowoc Company, Inc.) Manitowoc, Wisconsin 54220

**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.

Capacities do not exceed 75% of static tipping loads with

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 $\frac{3}{4}$ " — 6x25 IPS, IWRC is 13,000 lbs./line.

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	
30 FOOT JIB	50*	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	19,000	55
	60	18,700	18,400	18,200	18,000	17,800	17,500	17,300	17,100	16,800	16,600	60
	65	16,700	16,400	16,200	16,100	15,800	15,600	15,400	15,100	14,900	14,600	65
	70	15,100	14,800	14,600	14,400	14,200	13,900	13,700	13,400	13,200	13,000	70
	75	13,700	13,400	13,200	13,100	12,800	12,500	12,300	12,000	11,800	11,600	75
	80	12,500	12,200	12,000	11,900	11,600	11,300	11,100	10,800	10,600	10,400	80
	85	11,500	11,200	10,900	10,800	10,600	10,300	10,100	9,800	9,600	9,300	85
	90	10,600	10,300	10,000	9,900	9,600	9,400	9,100	8,900	8,600	8,400	90
	95		9,500	9,200	9,100	8,800	8,600	8,300	8,100	7,800	7,600	95
	100			8,500	8,400	8,100	7,900	7,600	7,300	7,100	6,800	100
	105			7,800	7,700	7,500	7,200	7,000	6,700	6,500	6,200	105
	110				7,100	6,900	6,600	6,400	6,100	5,900	5,600	110
	120					5,900	5,600	5,400	5,100	4,900	4,600	120
	130						4,700	4,500	4,200	4,000	3,700	130
	140							3,800	3,500	3,300	3,000	140

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	
40 FOOT JIB	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	70	
	75	13,800	13,600	13,300	13,200	12,900	12,700	12,400	12,200	11,900	11,700	75	
	80	12,700	12,400	12,100	12,000	11,700	11,500	11,200	11,000	10,700	10,500	80	
	85	11,600	11,300	11,100	10,900	10,700	10,400	10,200	9,900	9,700	9,400	85	
	90	10,700	10,400	10,200	10,000	9,800	9,500	9,300	9,000	8,800	8,500	90	
	95	9,900	9,600	9,300	9,200	9,000	8,700	8,400	8,200	7,900	7,700	95	
	100		8,900	8,600	8,500	8,200	8,000	7,700	7,400	7,200	7,000	100	
	105		8,200	8,000	7,800	7,600	7,300	7,100	6,800	6,600	6,300	105	
	110			7,400	7,200	7,000	6,700	6,500	6,200	6,000	5,700	110	
	115			6,900	6,700	6,500	6,200	6,000	5,700	5,400	5,200	115	
	120				6,200	6,000	5,700	5,500	5,200	5,000	4,700	120	
	130					5,100	4,900	4,600	4,300	4,100	3,800	130	
	140						4,100	3,900	3,600	3,400	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	
	80*	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	85
	90	10,000	10,000	10,000	10,000	9,900	9,800	9,400	9,100	8,900	8,600	90
	95	10,000	9,700	9,500	9,300	9,100	8,900	8,600	8,300	8,100	7,800	95
	100	9,300	9,000	8,700	8,600	8,300	8,100	7,800	7,600	7,300	7,100	100
	105	8,600	8,300	8,100	7,900	7,700	7,400	7,200	6,900	6,700	6,400	105
	110		7,800	7,500	7,300	7,100	6,800	6,600	6,300	6,100	5,800	110
	115		7,200	7,000	6,800	6,600	6,300	6,100	5,800	5,600	5,300	115
	120			6,500	6,300	6,100	5,800	5,600	5,300	5,100	4,800	120
	130				5,500	5,200	5,000	4,700	4,400	4,200	3,900	130
	140					4,500	4,200	4,000	3,700	3,500	3,200	140
	150						3,600	3,400	3,100			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	105 *
	110	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	4,800	120
	125		5,000	5,000	5,000	5,000	5,000	5,000	4,900	4,600	4,400	125
	130			5,000	5,000	5,000	5,000	4,800	4,500	4,200	4,000	130
	135			5,000	5,000	4,900	4,600	4,400	4,100	3,900	3,700	135
	140				4,800	4,600	4,300	4,000	3,800	3,500	3,200	140
	145				4,500	4,200	4,000	3,700	3,400	3,200		145
	150					3,900	3,700	3,400	3,100			150

* These capacities apply for ALL lesser radii obtainable.

Form No. 6752-A, 5-23-75/GA

**MANITOWOC ENGINEERING CO.**

(A division of The Manitowoc Company, Inc.) Manitowoc, Wisconsin 54220

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

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

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

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

* These capacities apply for ALL lesser radii obtainable.

Form No. 6752-B, 5-23-75/GA

NO. 124 JIB CAPACITIES - 2900WC - BOOM NO. 16 - O.T. - 10 DEG.

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**MANITOWOC ENGINEERING CO.**

(A division of The Manitowoc Company, Inc.) Manitowoc, Wisconsin 54220

**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 $\frac{3}{4}$ " — 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	
30 FOOT JIB	40*	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	45
	50	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	19,800	18,700	18,000	55
	60	19,100	18,900	18,700	18,600	18,400	18,200	18,100	17,900	17,700	17,100	60
	65	17,100	16,900	16,700	16,600	16,400	16,200	16,000	15,800	15,600	15,400	65
	70	15,400	15,200	15,000	14,900	14,700	14,500	14,300	14,100	13,900	13,700	70
	75		13,800	13,600	13,500	13,300	13,000	12,900	12,600	12,500	12,200	75
	80		12,500	12,300	12,200	12,000	11,800	11,600	11,400	11,200	11,000	80
	85			11,200	11,100	10,900	10,700	10,500	10,300	10,100	9,900	85
	90				10,200	10,000	9,800	9,600	9,300	9,100	8,900	90
	95					9,100	8,900	8,700	8,500	8,300	8,000	95
	100						8,100	7,900	7,700	7,500	7,300	100
	105						7,500	7,300	7,000	6,800	6,600	105
	110							6,700	6,400	6,200	6,000	110
	115								5,900	5,700	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		
40 FOOT JIB	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	70	
	75	14,000	14,000	13,900	13,800	13,600	13,400	13,200	13,000	12,800	12,600	75	
	80	13,000	12,800	12,600	12,500	12,300	12,100	11,900	11,700	11,500	11,300	80	
	85		11,700	11,500	11,400	11,200	11,000	10,800	10,600	10,400	10,200	85	
	90			10,500	10,400	10,200	10,000	9,800	9,600	9,400	9,200	90	
	95			9,700	9,600	9,400	9,200	9,000	8,800	8,600	8,300	95	
	100				8,800	8,600	8,400	8,200	8,000	7,800	7,600	100	
	105					7,900	7,700	7,500	7,300	7,100	6,900	105	
	110						7,100	6,900	6,700	6,500	6,300	110	
	115							6,300	6,100	5,900	5,700	115	
	120								5,800	5,600	5,400	120	
	125									5,100	4,900	4,700	125
	130										4,500	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		
50 FOOT JIB	85 *	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	90	
	95		10,000	9,900	9,800	9,600	9,400	9,200	9,000	8,800	8,600	95	
	100			9,100	9,000	8,800	8,600	8,400	8,200	8,000	7,800	100	
	105			8,500	8,300	8,200	7,900	7,700	7,500	7,300	7,100	105	
	110				7,700	7,500	7,300	7,100	6,900	6,700	6,500	110	
	115					7,000	6,700	6,500	6,300	6,100	5,900	115	
	120						6,200	6,000	5,800	5,600	5,400	120	
	125								5,500	5,300	5,100	4,900	125
	130								5,100	4,700	4,500	4,300	130
	140									4,900	3,900	3,700	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	
60 FOOT JIB	100 *	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	105
	110			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	115
	120				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	125
	130						5,000	5,000	5,000	4,800	4,600	130
	135							5,000	4,800	4,400		135
	140								4,400	4,200	4,000	140
	150									3,800	3,600	150

* These capacities apply for ALL lesser radii obtainable.

Form No. 6752-C, 5-23-75/GA

**MANITOWOC ENGINEERING CO.**

(A division of The Manitowoc Company, Inc.) Manitowoc, Wisconsin 54220

**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	18,400	17,700	17,000	50
	55	19,800	20,000	20,000	20,000	20,000	19,500	18,800	17,700	17,000	16,200	55
	60	19,000	19,200	19,000	18,900	18,800	18,600	17,900	17,100	16,300	15,500	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	9,000	90
95								8,500	8,400	8,200	95	
100									7,500	7,400	7,200	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	55*
	60	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	13,500	12,900	65
	70	14,000	14,000	14,000	14,000	14,000	14,000	14,000	13,700	13,000	12,500	70
	75		14,000	14,000	14,000	13,900	13,700	13,600	13,200	12,800	12,000	75
	80			12,800	12,800	11,800	11,400	11,400	10,900	10,700	10,000	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	9,000	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	
50 FOOT JIB	80 *	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	8 *
	85		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	9,600	90
	95				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									6,200	6,000	115
	120										5,800	120
	125											

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	90 *
	95		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	100
	105				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	110
	115						5,000	5,000	5,000	5,000	5,000	115
	120							5,000	5,000	5,000	5,000	120
	125								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.

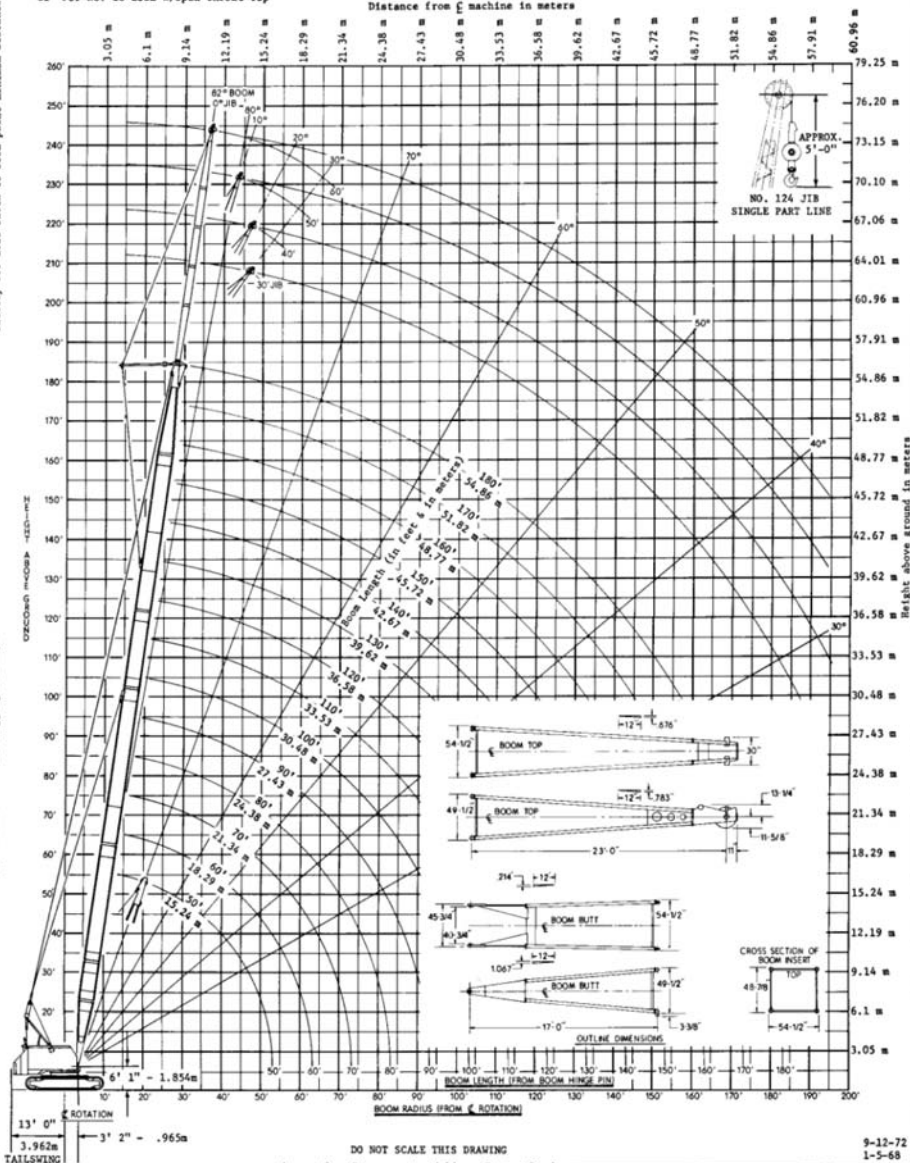
Manitowoc, Wisconsin

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 machine in meters



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

**MANITOWOC ENGINEERING CO.**

(A division of The Manitowoc Company, Inc.) Manitowoc, Wisconsin 54220

**LIFTCRANE CAPACITIES**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 cwt. 18,000 lbs., 2nd cwt. 18,000 lbs. Total counterweight 36,000 pounds.

HOIST REEVEING 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	Boom Lgth. Feet	Oper. Rad. Feet	Boom Angle Deg.	Boom Point Elev.	Capacity: Crawlers Extended
40	12	77.2	45.1	130,000	50	34	51.9	45.4	41,000	70	14	81.1	75.2	92,700	80	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	44.3	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	70,500
	19	66.7	42.8	102,000		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	93,100		15	78.6	64.9	97,900		24	72.7	72.9	68,400		26	73.4	82.7	60,100
	22	61.9	41.4	79,200		16	77.6	64.7	95,600		26	71.0	72.2	60,300		28	71.9	82.1	53,700
50	24	58.6	40.2	68,900	60	17	76.7	64.4	93,400	70	28	69.2	71.5	53,900	80	30	70.4	81.4	48,500
	26	55.2	38.9	60,900		18	75.7	64.2	91,300		30	67.5	70.7	48,700		32	68.9	80.7	44,100
	28	51.6	37.4	54,500		19	74.7	63.9	89,300		32	65.7	69.8	44,300		34	67.3	79.9	40,400
	30	47.9	35.7	49,300		20	73.7	63.7	87,300		34	63.9	68.9	40,700		36	65.8	79.0	37,300
	32	43.9	33.8	44,900		22	71.7	63.0	78,800		36	62.0	67.9	37,500		38	64.2	78.1	34,600
	34	39.6	31.5	41,300		24	69.7	62.3	68,400		38	60.2	66.8	34,800		40	62.6	77.1	32,200
	36	34.8	28.9	38,200		26	67.6	61.5	60,400		40	58.3	65.6	32,400		45	58.5	74.3	27,400
	38	29.4	25.7	35,500		28	65.6	60.7	54,000		45	53.3	62.2	27,600		50	54.2	70.9	23,700
	40	23.0	21.7	31,000		30	63.4	59.7	48,800		50	48.0	58.1	24,000		55	49.6	67.0	20,800
						32	61.3	58.7	44,400		55	42.2	53.1	21,100		60	44.7	62.4	18,500
50	12	79.8	55.3	116,600	60	36	56.8	56.3	37,600	70	60	35.7	46.9	18,800	80	65	39.4	56.8	16,600
	13	78.7	55.1	113,600		38	54.5	54.9	34,900		65	28.0	38.9	16,900		70	33.3	50.0	15,000
	14	77.5	54.9	110,700		40	52.1	53.4	32,500		70	17.3	26.9	15,200		75	26.1	41.3	13,600
	15	76.3	54.6	108,000		45	45.8	49.1	27,700							80	16.2	28.3	12,400
	16	75.1	54.4	105,400		50	38.7	43.6	24,100										
	17	73.9	54.1	102,900		55	30.2	36.3	21,200										
	18	72.7	53.8	100,500		60	18.7	25.3	18,700										
	19	71.5	53.5	98,300															
	20	70.3	53.1	92,900															
	22	67.9	52.4	79,000															
24	65.4	51.5	68,700																
26	62.8	50.5	60,600																
28	60.2	49.5	54,200																
30	57.5	48.3	49,000																
32	54.8	46.9	44,700																

Capacities continued
on reverse side.

Form No. 6774-A, 2-9-76/GA

**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	Boom Lgth.: Feet	Oper. Rad.: Feet	Boom Angle: Deg.	Boom Point: Elev.	Capacity: Crawlers Extended	
17	81.2	95.0	72,700		26	79.0	123.9	45,500		34	78.1	152.9	29,200		40	78.2	182.3	22,200		
18	80.5	94.8	71,100		28	78.1	123.5	43,900		36	77.4	152.4	28,300		45	76.6	181.1	21,300		
19	79.9	94.4	69,500		30	77.1	123.0	42,300		38	76.6	152.0	27,400		50	74.9	179.9	20,400		
20	79.2	94.5	68,000		32	76.1	122.5	40,900		40	75.8	151.3	26,600		55	73.3	178.4	18,500		
22	77.9	94.1	65,200		34	75.1	122.0	39,500		45	73.8	150.1	24,600		60	71.6	176.9	16,600		
24	76.6	93.6	62,600		36	74.1	121.5	36,700		50	71.8	148.6	22,500		65	69.9	175.1	14,700		
26	75.3	93.1	59,900		38	73.1	120.9	33,900		55	69.8	146.8	19,600		70	68.2	173.2	13,000		
28	74.0	92.6	55,500		40	72.1	120.3	31,500		60	67.7	144.9	17,300		75	66.5	171.1	11,700		
30	72.7	92.0	48,300		45	69.6	118.5	26,700		65	65.7	142.7	15,400		80	64.7	168.8	10,500		
32	71.3	91.3	43,900		50	67.0	116.5	23,000		70	63.5	140.4	13,800		85	63.0	166.4	9,500		
34	70.0	90.6	40,200		55	64.4	114.3	20,100		75	61.4	137.7	12,400		90	61.2	163.7	8,600		
35	69.6	89.9	37,100		60	61.7	111.8	17,800		80	59.2	134.9	11,200		95	59.3	160.9	7,800		
38	67.2	89.0	34,400		65	59.0	108.9	15,900		85	56.9	131.8	10,200		100	57.5	157.8	7,000		
40	65.8	88.2	32,000		70	56.2	105.7	14,300		90	54.6	128.4	9,300		105	55.5	154.5	6,400		
45	62.3	85.7	27,200		75	53.2	102.2	12,900		95	52.2	124.7	8,500		110	53.6	150.9	5,800		
50	58.6	82.9	23,500		80	50.7	98.2	11,700		100	49.8	120.6	7,800		115	51.6	147.1	5,300		
60	50.8	75.8	18,300		85	47.0	93.8	10,700		105	47.2	116.2	7,200		120	49.5	143.0	4,800		
65	46.6	71.5	16,400		90	43.6	88.9	9,800		110	44.6	111.4	6,600		125	47.4	138.6	4,400		
70	42.0	66.3	14,800		95	40.1	83.3	9,000		115	41.8	106.0	6,100		130	45.2	133.8	4,000		
75	37.0	60.3	13,400		100	36.2	76.9	8,300		120	38.8	100.1	5,600		135	42.9	128.6	3,600		
80	31.4	52.9	12,200		105	31.9	69.5	7,700		125	35.7	93.6	5,200		140	40.5	123.0	3,300		
85	24.6	43.5	11,200		110	27.0	60.7	7,100		130	32.3	86.1	4,800		145	38.0	116.9	3,000		
90	15.2	29.7	10,100		115	21.3	49.6	6,600		135	28.5	77.6	4,400							
19	80.9	104.8	62,900		28	79.0	133.7	40,600		36	78.2	162.7	29,500							
20	80.3	104.6	61,500		30	78.1	133.3	39,500		38	77.4	162.2	29,000							
22	79.1	104.3	59,300		32	77.2	132.8	38,000		40	76.7	161.8	28,600							
24	78.0	103.9	57,100		34	76.3	132.4	36,800		45	74.8	160.5	25,900							
26	76.8	103.4	54,900		36	75.4	131.8	35,600		50	73.0	159.1	22,200							
28	75.6	102.9	52,900		38	74.5	131.3	33,800		55	71.1	157.4	19,300							
30	74.4	102.4	51,000		40	73.5	130.7	31,400		60	69.2	155.6	16,900							
32	73.2	101.8	48,300		45	71.0	129.1	26,500		65	67.3	153.6	15,000							
34	72.0	101.2	46,100		50	68.9	127.3	22,900		70	65.3	151.4	13,400							
36	70.8	100.5	43,900		55	66.5	125.3	20,000		75	63.3	149.0	12,000							
38	69.6	99.8	41,200		60	64.1	123.0	17,600		80	61.3	146.4	10,800							
40	68.4	99.0	39,100		65	61.6	120.4	15,700		85	59.2	143.6	9,800							
45	65.3	96.9	27,000		70	59.1	117.6	14,100		90	57.1	140.4	8,900							
50	62.1	94.4	23,300		75	56.5	114.4	12,800		95	55.0	137.1	8,100							
55	58.8	91.6	20,500		80	53.8	110.9	11,600		100	52.8	133.4	7,400							
60	55.4	88.3	18,100		85	51.0	107.1	10,600		105	50.5	129.5	6,800							
65	51.8	84.7	16,200		90	48.1	102.8	9,700		110	48.3	125.2	6,200							
70	48.1	80.4	14,600		95	45.1	98.1	8,900		115	45.7	120.5	5,700							
75	44.1	75.6	13,300		100	41.9	92.8	8,200		120	43.1	115.4	5,200							
80	39.8	70.1	12,100		105	38.4	86.9	7,500		125	40.4	109.8	4,800							
85	35.1	63.5	11,100		110	34.7	80.1	6,900		130	37.6	103.6	4,400							
90	29.7	55.7	10,200		115	30.7	72.3	6,400		135	34.5	96.7	4,000							
95	23.3	45.6	9,400		120	26.0	63.1	6,000		140	31.2	89.0	3,700							
100	17.0	35.0	8,200		125	20.4	51.4	5,500		145	27.6	80.1	3,300							
22	80.1	114.4	54,900		30	78.9	143.5	35,900		38	78.2	172.5	25,800							
24	79.1	114.1	52,800		32	78.1	143.1	34,700		40	77.5	172.0	25,600							
26	78.0	113.7	50,900		34	77.3	142.6	33,600		45	75.8	170.8	24,700							
28	77.0	113.2	49,100		36	76.4	142.2	32,500		50	74.0	169.5	22,000							
30	75.9	112.7	47,400		38	75.6	141.7	31,500		55	72.2	168.0	19,100							
32	74.8	112.2	43,700		40	74.7	141.1	30,500		60	70.5	166.3	16,800							
34	73.7	111.7	40,000		45	72.6	139.7	26,300		65	68.7	164.4	14,900							
36	72.6	111.0	36,900		50	70.5	138.0	22,600		70	66.9	162.4	13,300							
38	71.5	110.4	34,100		55	68.3	136.1	19,800		75	65.0	160.1	11,900							
40	70.4	109.7	31,700		60	66.0	134.0	17,400		80	63.1	157.7	10,700							
45	67.6	107.8	26,900		65	63.8	131.7	15,500		85	61.2	155.1	9,700							
50	64.8	105.6	23,300		70	61.5	129.1	13,900		90	59.3	152.2	8,800							
55	61.9	103.1	20,400		75	59.1	126.2	12,500		95	57.3	149.1	8,000							
60	58.9	100.2	18,100		80	56.7	123.1	11,300		100	55.3	145.8	7,300							
65	55.8	97.0	16,100		85	54.2	119.7	10,300		105	53.2	142.2	6,600							
70	52.6	93.4	14,500		90	51.7	115.9	9,400		110	51.1	138.3	6,100							
75	49.2	89.4	13,200		95	49.0	111.7	8,500		115	48.9	134.1	5,500							
80	45.7	84.8	12,000		100	46.2	107.2	7,900		120	46.6	129.6	5,100							
85	41.9	79.6	11,000		105	43.3	102.1	7,300		125	44.2	124.6	4,600							
90	37.9	73.6	10,100		110	40.3	96.5	6,700		130	41.7	119.3	4,200							
95	33.4	66.6	9,300		115	37.0	90.3	6,200		135	39.2	113.4	3,900							
100	28.3	58.2	8,600		120	33.4	83.2	5,700		140	36.4	106.9	3,500							
105	22.2	47.7	7,900		125	29.5	75.0	5,300		145	33.5	99.8	3,200							
					130	25.0	65.3	4,900												
					135	19.7	53.2	4,500												

Combined From Charts:
No. 6774-A 2-9.76
No. 6483-A 5-9.75
No. 6772-A 10-2.74

Combined From Charts:
No. 6774-A 2-9-76
No. 6483-A 5-9-75
No. 6772-A 10-2-74

SEE CONDITIONS ON REVERSE SIDE

**MANITOWOC ENGINEERING CO.**

(A division of The Manitowoc Company, Inc.) Manitowoc, Wisconsin 54220

LIFTCRANE CAPACITIESMEETS ANSI B30.5
REQUIREMENTS EXCEPT
WHERE NOTED WITH B**Manitowoc****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 REEVEING 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.

Boom Lgth. Feet	Oper. Rad. Feet	Boo. Ang. Deg.	Boom Point Elev. Feet	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth. Feet	Oper. Rad. Feet	Boo. Ang. Deg.	Boom Point Elev. Feet	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth. Feet	Oper. Rad. Feet	Boo. Ang. Deg.	Boom Point Elev. Feet	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
12	77.2	45.1	105,200B	130,000	130,000	13	80.6	55.3	91,800B	102,900	102,900	38	60.2	66.8	20,800	25,900	25,900
13	75.8	44.8	92,400B	128,000	128,000	14	79.6	65.1	81,700B	100,300	100,300	40	58.3	65.6	19,500	24,200	24,200
14	74.3	44.6	82,200B	113,700	113,700	15	78.6	64.9	73,500B	87,600	87,600	45	53.3	62.2	16,700	20,800	20,800
15	72.8	44.3	74,100B	100,700	100,700	16	77.6	64.7	66,800B	85,500	85,500	50	48.0	58.1	14,500	18,100	18,100
16	71.3	43.9	67,400B	90,400	90,400	17	76.7	64.4	61,100B	81,400	81,400	55	42.2	53.1	12,800	15,900	15,900
17	69.8	43.6	61,700B	81,900	81,900	18	75.7	64.2	56,400B	74,400	74,400	60	35.7	46.9	11,400	14,200	14,200
18	68.2	43.2	57,000B	74,800	74,800	19	74.7	63.9	52,200B	68,400	68,400	65	28.0	38.9	10,200	12,700	12,700
19	66.7	42.8	52,800B	68,900	68,900	20	73.7	63.7	48,600B	63,300	63,300	70	17.3	26.9	9,200	11,500	11,500
20	65.1	42.3	49,300B	63,800	63,800	22	71.7	63.0	42,700	55,000	55,000						
22	61.9	41.4	43,300B	55,500	55,500	24	69.7	62.3	38,000	48,500	48,500						
24	58.6	40.2	38,700B	49,100	49,100	26	67.6	61.5	34,200	43,400	43,400						
26	55.2	38.9	34,800B	44,000	44,000	28	65.6	60.7	31,000	39,200	39,200						
28	51.6	37.4	31,700B	39,800	39,800	30	63.4	59.7	28,400	35,700	35,700						
30	47.9	35.7	29,000B	36,300	36,300	32	61.3	58.7	26,100	32,700	32,700						
32	43.9	33.8	26,700B	33,300	33,300	34	59.1	57.5	24,100	30,200	30,200						
34	39.6	31.5	24,800	30,800	30,800	36	56.8	56.3	22,400	28,000	28,000						
36	34.8	28.9	23,100	28,600	28,600	38	54.5	54.9	20,900	26,000	26,000						
38	29.4	26.7	21,600	26,700	26,700	40	52.1	53.4	19,600	24,300	24,300						
40	23.0	21.7	20,200	25,000	25,000	45	45.8	49.1	16,800	20,900	20,900						
						50	38.7	43.6	14,600	18,200	18,200						
42	19.8	18.7	18,700	22,900	22,900	55	30.2	36.3	12,900	16,000	16,000						
44	17.5	17.5	17,500	21,700	21,700	60	18.7	25.3	11,500	14,300	14,300						
46	15.1	15.1	15,100	19,500	19,500												
48	12.7	12.7	12,700	17,300	17,300												
50	10.3	10.3	10,300	15,100	15,100												
52	7.9	7.9	7,900	12,900	12,900												
54	5.5	5.5	5,500	10,700	10,700												
56	3.1	3.1	3,100	8,500	8,500												
58	0.7	0.7	0,700	6,300	6,300												
60				4,100	4,100												
62				1,900	1,900												
64																	
66																	
68																	
70																	
72																	
74																	
76																	
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92																	
94																	
96																	
98																	
100																	

Capacities continued
on reverse side.

Form No. 6774-B, 2-23-76/GA

**SEE CONDITIONS ON REVERSE SIDE**

Boom Lgth. Feet	Oper. Rad. Feet	Bo. Anz. Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth. Feet	Oper. Rad. Feet	Bo. Anz. Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth. Feet	Oper. Rad. Feet	Bo. Anz. Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
17	81.2	95.0	60.600	72,700		26	79.0	123.9	33,100	42,400		36	78.2	162.7	20,300	26,000	
18	80.5	94.8	55,800	71,100		28	78.1	123.5	29,900	38,100		38	77.4	162.2	18,800	24,100	
19	79.9	94.7	51,600	67,900		30	77.1	123.0	27,200	34,600		40	76.7	161.8	17,500	22,300	
20	79.2	94.5	48,100	62,800		32	76.2	122.8	24,000	31,600		45	74.8	160.5	14,700	18,800	
22	77.9	94.1	42,100	54,400		34	75.1	122.0	23,000	29,100		50	73.0	159.1	12,500	16,100	
24	76.6	93.6	37,400	48,000		36	74.1	121.5	21,300	26,900		55	71.1	157.4	10,800	14,000	
26	75.3	93.1	33,500	42,800		38	73.1	120.9	19,800	24,900		60	69.2	155.6	9,400	12,200	
28	74.0	92.6	30,400	38,600		40	72.1	120.3	18,400	23,200		65	67.3	153.6	8,200	10,800	
30	72.7	92.0	27,700	35,100		45	69.6	118.5	15,600	19,700		70	65.3	151.4	7,200	9,500	
32	71.3	91.3	25,500	32,100		50	67.0	116.5	13,500	17,000		75	63.3	149.0	6,300	8,500	
34	70.0	90.6	23,500	29,600		55	64.4	114.3	11,700	14,900		80	61.3	146.4	5,600	7,600	
36	68.6	89.9	21,800	27,400		60	61.7	111.8	10,300	13,200		85	59.2	143.6	4,900	6,800	
38	67.2	89.0	20,300	25,400		65	59.0	108.9	9,100	11,700		90	57.1	140.4	4,400	6,100	
40	65.8	88.2	18,900	23,700		70	56.2	105.7	8,100	10,500		95	55.0	137.1	3,800	5,500	
45	62.3	85.7	16,200	20,200		75	53.2	102.2	7,300	9,400		100	52.8	133.4	3,400	4,900	
50	58.6	82.9	14,000	17,600		80	50.2	98.2	6,500	8,500		105	50.5	129.5	3,000	4,400	
55	54.8	79.6	12,300	15,400		85	47.0	93.8	5,900	7,700		110	48.1	125.2	2,700	4,000	
60	50.8	75.8	10,900	13,700		90	43.6	88.9	5,300	7,000		115	47.2	120.5	2,500	3,600	
65	46.6	71.5	9,700	12,200		95	40.1	83.3	4,800	6,400		120	43.1	115.4	2,200	3,200	
70	42.0	66.3	8,700	11,000		100	36.2	76.9	4,300	5,900							
75	37.0	60.3	7,800	10,000		105	31.9	69.5	3,900	5,400		38	78.2	172.5	18,700	23,900	
80	31.4	52.9	7,100	9,100		110	27.1	60.7	3,600	4,900		40	77.5	172.0	17,300	22,200	
85	24.0	43.5	6,400	8,300		115	21.3	49.6	3,000	4,500		45	75.8	170.8	16,000	20,700	
90	15.2	29.7	5,900	7,600								50	74.0	169.5	14,400	18,600	
19	80.9	104.8	51,500	62,900		28	79.0	133.7	29,700	36,000		55	72.2	168.0	10,700	13,900	
20	80.3	104.6	47,900	58,400		30	78.1	133.3	27,100	34,400		60	70.5	166.3	9,300	12,100	
22	79.1	104.3	42,000	54,300		32	77.2	132.4	24,800	28,900		65	68.1	164.4	8,100	10,600	
24	78.0	103.9	37,300	47,800		34	76.5	131.8	21,100	26,700		70	66.9	162.4	7,100	9,400	
26	76.8	103.4	33,400	42,700		36	75.4	131.3	19,600	24,800		75	65.0	160.1	6,200	8,400	
28	75.6	102.9	30,300	38,400		38	74.5	131.3	18,200	23,100		80	63.1	157.7	5,500	7,500	
30	74.4	102.4	27,600	34,900		40	73.5	130.7	16,800	21,000		85	61.2	155.1	4,800	6,700	
32	73.2	101.8	25,300	32,000		45	71.2	129.1	15,500	19,600		90	59.3	152.2	4,200	6,000	
34	72.0	101.2	23,300	29,400		50	68.0	127.3	13,300	16,900		95	57.4	149.1	3,700	5,400	
36	70.8	100.5	21,600	27,200		55	66.5	125.3	11,600	14,700		100	55.3	145.8	3,300	4,800	
38	69.6	99.8	20,100	25,300		60	64.1	123.0	10,200	13,000		105	53.2	142.2	3,000	4,300	
40	68.4	99.0	18,800	23,600		65	61.6	120.4	9,000	11,500		110	51.1	138.3	2,700	3,800	
45	65.3	96.9	16,000	20,100		70	59.1	117.6	8,000	10,300		115	48.9	134.1	2,400	3,400	
50	62.1	94.4	13,800	17,400		75	56.5	114.4	7,100	9,300		120	46.6	129.6	2,100	3,100	
55	58.8	91.6	12,100	15,300		80	53.8	110.9	6,400	8,400							
60	55.4	88.3	10,700	13,500		85	51.0	107.1	5,700	7,600		40	78.2	182.3	17,100	22,000	
65	51.8	84.7	9,500	12,100		90	48.1	102.8	5,100	6,900		45	76.6	181.1	14,300	18,500	
70	48.1	80.4	8,500	10,800		95	45.1	98.1	4,600	6,300		50	74.9	179.9	12,200	15,800	
75	44.1	75.6	7,700	9,800		100	41.9	92.8	4,200	5,700		55	73.3	178.4	10,400	13,600	
80	39.8	70.1	6,900	8,900		105	38.4	86.9	3,800	5,200		60	71.6	176.9	9,000	11,900	
85	35.1	63.5	6,300	8,100		110	34.7	80.1	3,400	4,800		65	69.9	175.1	7,800	10,400	
90	29.7	55.7	5,700	7,400		120	26.0	61.1	2,900	4,300		70	68.2	173.2	6,800	9,200	
95	23.3	45.6	5,200	6,800		125	20.4	51.4	2,500	3,600		75	66.5	171.1	6,000	8,100	
22	80.1	114.4	41,900	54,200		30	78.9	143.5	26,800	34,200		80	64.7	168.8	5,200	7,200	
24	79.1	114.1	37,200	47,700		32	78.1	143.1	24,500	31,200		85	63.0	166.4	4,600	6,400	
26	78.0	113.7	33,300	42,600		34	77.3	142.6	22,600	28,700		90	61.2	163.7	4,000	5,700	
28	77.0	113.2	30,200	38,400		36	76.4	142.2	20,900	26,500		95	59.3	160.9	3,500	5,100	
30	75.9	112.7	27,500	34,800		38	75.6	141.7	19,300	24,600		100	57.5	157.8	3,000	4,600	
32	74.8	112.2	25,200	31,900		40	74.7	141.1	18,000	22,800		105	55.5	154.5	2,600	4,100	
34	73.7	111.7	23,000	29,000		45	72.6	139.7	15,200	19,300		110	53.6	150.9	2,300	3,600	
36	72.6	111.0	21,500	27,100		50	70.5	138.0	13,100	16,600		115	51.6	147.1	2,000	3,200	
38	71.5	110.4	20,000	25,200		55	68.3	136.1	11,300	14,500							
40	70.4	109.7	18,700	23,500		60	66.0	134.0	9,900	12,700							
45	67.6	107.8	15,900	20,000		65	63.8	131.7	8,700	11,300							
50	64.8	105.6	13,700	17,300		70	61.5	129.1	7,700	10,100							
55	61.9	103.1	12,000	15,200		75	59.1	126.2	6,900	9,000							
60	58.9	100.2	10,600	13,400		80	56.7	123.1	6,100	8,100							
65	55.8	97.0	9,400	12,000		85	54.2	119.7	5,500	7,300							
70	52.6	93.4	8,400	10,700		90	51.7	115.9	4,900	6,600							
75	49.2	89.4	7,600	9,700		95	49.0	111.7	4,400	6,000							
80	45.7	84.8	6,900	8,800		100	46.0	107.2	3,900	5,400							
85	41.9	79.6	6,200	8,000		105	43.3	102.1	3,500	5,000							
90	37.9	73.6	5,600	7,300		110	40.3	96.5	3,100	4,500							
95	33.4	66.6	5,100	6,700		115	37.0	90.3	2,700	4,100							
100	28.3	58.2	4,600	6,100		120	33.4	83.2	2,300	3,700							
105	22.2	47.7	4,200	5,600		125	29.5	75.0	2,000	3,400							
34	78.1	152.9	22,400	28,600		36	77.4	152.4	20,700	26,400							
36	77.4	152.0	19,200	24,400		38	76.6	152.0	17,900	22,700							
40	73.8	151.5	17,900	22,700		45	73.8	150.1	15,100	19,200							
50	71.8	148.6	12,900	16,500													
55	69.8	146.8	11,200	14,400													
60	67.7	144.9	9,800	12,600													
65	65.7	142.7	8,600	11,200													
70	63.5	140.4	7,600	9,900													
75	61.4	137.7	6,700	8,900													
80	59.2	134.9	6,000	8,200													
85	56.9	131.8	5,300	7,200													
90	54.6	128.4	4,800	6,500													
95	52.2	124.7	4,300	5,900													
100	49.8	120.6	3,800	5,300													

**MANITOWOC ENGINEERING CO.**

(A division of The Manitowoc Company, Inc.) Manitowoc, Wisconsin 54220

**JIB LIFTING CAPACITIES**MEETS
ANSI B30.5
REQUIREMENTS**2900WC****JIB NO. 124 WITH 12'6" STRUT ON
BOOM NO. 18 WITH OPEN THROAT TOP
20' CRAWLERS EXTENDED AND BLOCKED****0 DEGREE JIB OFFSET ANGLE**

Chart supplements boom capacity chart No. 6774-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 & physical machine depreciation.

Capacities do not exceed 75% of static tipping loads with 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.

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	170	180		
30 FOOT JIB	55*	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	55*	
	60	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	14,900	60	
	65	16,000	16,000	16,000	16,000	15,900	15,700	15,500	15,300	15,100	14,700	14,600	13,900	65	
	70	15,200	14,900	14,700	14,500	14,300	14,100	13,900	13,600	13,500	13,100	13,000	12,700	70	
	75	13,900	13,800	13,300	13,100	13,000	12,700	12,500	12,300	12,100	11,700	11,600	11,400	75	
	80	12,700	12,400	12,100	11,900	11,800	11,500	11,300	11,100	10,900	10,500	10,400	10,200	80	
	85	11,700	11,400	11,100	10,900	10,700	10,500	10,300	10,000	9,900	9,500	9,400	9,100	85	
	90		10,500	10,200	10,000	9,800	9,600	9,400	9,100	9,000	8,600	8,500	8,200	90	
	95		9,700		9,400	9,200	9,000	8,800	8,600	8,300	8,200	7,800	7,700	7,400	95
	100			8,700	8,500	8,300	8,100	7,900	7,600	7,500	7,100	6,900	6,700	100	
	105			8,100		7,900	7,700	7,400	7,200	7,000	6,800	6,400	6,300	105	
	110				7,300	7,100	6,900	6,700	6,400	6,200	5,900	5,700	5,400	110	
30 FOOT JIB	115					6,600	6,300	6,100	5,900	5,700	5,300	5,200	5,000	115	
	120					6,100	5,900	5,700	5,400	5,200	4,900	4,700	4,500	120	
	130						5,000	4,800	4,600	4,400	4,000	3,900	3,600	130	
	140							4,100	3,900	3,700	3,300	3,200		140	

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	170	180	
40 FOOT JIB	75*	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	75*
	80	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	10,700	10,600	10,400	80
	85	11,000	11,000	11,000	11,000	10,900	10,800	10,400	10,200	10,000	9,700	9,500	9,300	85
	90	10,900	10,600	10,400	10,200	10,000	9,700	9,500	9,300	9,100	8,800	8,600	8,400	90
	95	10,100	9,800	9,600	9,400	9,200	8,900	8,700	8,500	8,300	8,000	7,800	7,600	95
	100		9,100	8,800	8,600	8,500	8,200	8,000	7,800	7,600	7,300	7,100	6,900	100
	105		8,500	8,200	8,000	7,800	7,600	7,400	7,100	7,000	6,600	6,500	6,300	105
	110			7,600	7,400	7,300	7,000	6,800	6,500	6,400	6,000	5,900	5,600	110
	115			7,100	6,900	6,700	6,500	6,300	6,000	5,900	5,500	5,300	5,100	115
	120				6,400	6,300	6,000	5,800	5,500	5,400	5,000	4,800	4,600	120
	125					5,800	5,600	5,400	5,100	4,900	4,600	4,400	4,200	125
	130					5,400	5,200	4,900	4,700	4,500	4,200	4,000	3,800	130
140						4,400	4,200	4,000	3,800	3,500	3,300	3,100	140	
150								3,400	3,200				150	

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	170	180	
50 FOOT JIB	90*	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	90*
	95	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	7,900	7,700	95
	100	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	7,900	7,300	7,200	100	
	105	8,000	8,000	8,000	8,000	7,900	7,600	7,400	7,200	7,000	6,700	6,500	6,300	105
	110		8,000	7,700	7,500	7,300	7,100	6,900	6,600	6,400	6,100	5,900	5,700	110
	115		7,400	7,200	7,000	6,800	6,500	6,300	6,100	5,900	5,600	5,400	5,200	115
	120			6,700	6,500	6,300	6,100	5,900	5,600	5,400	5,100	4,900	4,700	120
	125				6,100	5,900	5,600	5,400	5,200	5,000	4,600	4,500	4,300	125
	130				5,700	5,500	5,200	5,000	4,800	4,600	4,200	4,100	3,800	130
	135					5,100	4,900	4,600	4,400	4,200	3,900	3,700	3,500	135
	140					4,800	4,500	4,300	4,100	3,900	3,500	3,400	3,100	140
	150							3,700	3,400	3,300				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	170	180	
60 FOOT JIB	110*	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	110*	
	115	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	115	
	120		4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	120	
	125		4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	125	
	130			4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	3,900	130	
	135				4,000	4,000	4,000	4,000	4,000	4,000	3,900	3,700	135	
	140					4,000	4,000	4,000	4,000	3,900	3,600	3,400	140	
	145					4,000	4,000	4,000	3,800	3,600	3,200	3,100	145	
	150					4,000	3,900	3,700	3,500	3,300			150	
	155						3,700	3,500	3,200	3,000			155	

* These capacities apply for ALL lesser radii obtainable.

Form No. 6776-A, 5-21-75/GA

**MANITOWOC ENGINEERING CO.**

(A division of The Manitowoc Company, Inc.) Manitowoc, Wisconsin 54220

**JIB LIFTING CAPACITIES**ANSI B30.5
REQUIREMENTS**2900WC****JIB NO. 124 WITH 12'6" STRUT ON
BOOM NO. 18 WITH OPEN THROAT TOP
20' CRAWLERS EXTENDED AND BLOCKED****10 DEGREE JIB OFFSET ANGLE**

Chart supplements boom capacity chart No. 6774-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 & physical machine depreciation.

Capacities do not exceed **75%** of static tipping loads with 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.

JIB POINT RADIUS: FEET	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS												JIB POINT RADIUS: FEET
		BOOM LENGTH — FEET												
		70	80	90	100	110	120	130	140	150	160	170	180	
30 FOOT JIB	50*	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	50*
	55	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	55
	60	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	60
	65	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	65
	70	15,400	15,100	14,900	14,700	14,600	14,400	14,200	14,000	13,800	13,500	13,400	12,400	70
	75	14,000	13,700	13,500	13,300	13,200	13,000	12,800	12,500	12,400	12,100	11,700	11,200	75
	80	12,800	12,500	12,300	12,100	12,000	11,700	11,600	11,300	11,200	10,900	10,700	10,500	80
	85		11,500	11,300	11,100	10,900	10,700	10,500	10,300	10,100	9,800	9,700	9,400	85
	90			10,300	10,200	10,000	9,800	9,600	9,400	9,200	8,900	8,700	8,500	90
	95			9,500	9,300	9,200	9,000	8,800	8,500	8,400	8,000	7,900	7,700	95
	100				8,600	8,500	8,200	8,000	7,800	7,700	7,300	7,200	7,000	100
	105				8,000	7,800	7,600	7,400	7,200	7,000	6,700	6,500	6,300	105
	110					7,200	7,000	6,800	6,600	6,400	6,100	5,900	5,700	110
	120						6,000	5,800	5,500	5,400	5,000	4,900	4,700	120
	130							4,700	4,500	4,200	4,000	3,800	3,600	130
	140								3,800	3,400	3,300	3,100	3,000	140

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	170	180	
40 FOOT JIB	70*	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	70*
	75	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	10,800	75
	80	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	10,900	10,800	80
	85	11,000	11,000	11,000	11,000	11,000	10,900	10,700	10,500	10,400	10,100	9,900	9,600	85
	90	11,000	10,800	10,500	10,400	10,200	10,000	9,800	9,600	9,400	9,100	8,900	8,800	90
	95		10,000	9,700	9,500	9,400	9,200	9,000	8,800	8,600	8,300	8,200	7,900	95
	100			9,000	8,800	8,700	8,400	8,200	8,000	7,900	7,500	7,400	7,200	100
	105			8,300	8,100	8,000	7,800	7,600	7,400	7,200	6,900	6,700	6,500	105
	110				7,600	7,400	7,200	7,000	6,800	6,600	6,300	6,100	5,900	110
	115					6,900	6,600	6,400	6,200	6,100	5,700	5,400	5,100	115
	120					6,400	6,000	5,800	5,600	5,500	5,200	5,100	4,800	120
	130						5,100	4,900	4,700	4,400	4,200	4,000	3,800	130
	140								4,100	4,000	3,600	3,500	3,300	140
	150										3,300	3,000	3,000	150

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	170	180	
50 FOOT JIB	95 *	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	95 *
	100	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	7,700	7,500	7,300	100
	105		8,000	8,000	8,000	8,000	8,000	8,000	8,000	7,300	7,000	6,800	6,600	105
	110			7,800	7,700	7,500	7,300	7,100	6,900	6,700	6,400	6,300	6,100	110
	115				7,300	7,100	7,000	6,700	6,600	6,300	6,200	5,900	5,700	115
	120					6,600	6,500	6,200	6,100	5,800	5,700	5,400	5,200	120
	125						6,000	5,800	5,600	5,400	5,200	4,900	4,800	125
	130							5,600	5,400	5,200	5,000	4,800	4,500	130
	135								5,000	4,800	4,600	4,400	4,100	135
	140									4,100	3,900	3,700	3,400	140
	145										3,600	3,400	3,100	145
	150											3,000	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	170	180	
60 FOOT JIB	105 *	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	105 *	
	110		4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	110	
	115		4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	115	
	120			4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	120	
	125			4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	125	
	130				4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	130	
	135					4,000	4,000	4,000	4,000	4,000	4,000	3,800	135	
	140						4,000	4,000	4,000	4,000	3,800	3,700	140	
	145							4,000	4,000	3,800	3,500	3,300	145	
	150								3,900	3,700	3,500	3,000	150	

Form No. 6776-B, 5-21-75/GA * These capacities apply for ALL lesser radii obtainable.

NO. 124 JIB CAPACITIES — 2900WC — BOOM NO. 18 — O.T. — 10 DEG.

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**MANITOWOC ENGINEERING CO.**

(A division of The Manitowoc Company, Inc.) Manitowoc, Wisconsin 54220

**JIB LIFTING CAPACITIES**MEETS
ANSI B30.5
REQUIREMENTS**2900WC****JIB NO. 124 WITH 12'6" STRUT ON
BOOM NO. 18 WITH OPEN THROAT TOP
20' CRAWLERS EXTENDED AND BLOCKED****20 DEGREE JIB OFFSET ANGLE**

Chart supplements boom capacity chart No. 6774-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 & physical machine depreciation.

Capacities do not exceed **75%** of static tipping loads with 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.

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	170	180	
45*	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	45*	
50	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	15,500	50	
55	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	14,500	55	
60	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	15,200	13,600	60	
65	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	15,800	14,300	13,800	12,800	65	
70	15,600	15,300	15,100	15,000	14,800	14,600	14,500	14,300	14,100	13,500	12,800	12,000	70	
75		13,900	13,700	13,500	13,400	13,200	13,000	12,800	12,700	12,400	12,100	11,400	75	
80			12,700	12,500	12,300	12,200	12,000	11,800	11,600	11,500	11,200	10,700	80	
85				11,400	11,200	11,100	10,900	10,700	10,500	10,400	10,100	9,800	85	
90					10,300	10,200	9,900	9,800	9,600	9,400	9,100	8,800	90	
95						9,300	9,100	8,900	8,700	8,600	8,300	7,900	95	
100							8,400	8,200	8,000	7,900	7,500	7,200	100	
105						7,700	7,500	7,300	7,200	6,900	6,700	6,500	105	
110							6,900	6,700	6,600	6,200	6,100	5,900	110	
120								5,500	5,200	5,100	4,800	4,600	120	
130									4,300	4,200	4,000	4,000	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	170	180	
	70 *	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	70 *
	75	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	10,500	75
	80	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	10,900	10,500	9,900	9,300	80
	85		11,000	11,000	11,000	11,000	11,000	11,000	10,800	10,700	10,400	9,800	9,300	85
	90			10,700	10,600	10,400	10,200	10,100	9,900	9,700	9,500	9,300	8,800	90
	95			9,900	9,700	9,600	9,400	9,200	9,000	8,900	8,600	8,300	7,800	95
	100				8,800	8,600	8,500	8,300	8,100	7,800	7,700	7,500	7,000	100
	105					8,200	7,900	7,800	7,600	7,400	7,100	7,000	6,800	105
	110						7,300	7,200	7,000	6,800	6,500	6,400	6,200	110
	115							6,800	6,400	6,300	6,000	5,800	5,600	115
	120								5,900	5,800	5,400	5,100	5,000	120
	125									5,400	5,300	5,000	4,800	125
	130										4,900	4,500	4,200	130
	140											3,600	3,400	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	170	180	
	90*	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	90*
	95		8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	7,700	95
	100			8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	7,700	7,300	100
	105				8,000	8,000	8,000	8,000	7,800	7,600	7,300	7,200	6,900	105
	110					7,800	7,700	7,500	7,300	7,100	7,000	6,800	6,400	110
	115						7,100	6,900	6,800	6,600	6,400	6,100	5,800	115
	120							6,400	6,300	6,100	5,900	5,600	5,300	120
	125								5,800	5,600	5,500	5,100	4,800	125
	130									5,100	5,000	4,700	4,600	130
	135										4,700	4,600	4,300	135
	140											4,200	3,900	140
	145												3,600	145

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	170	180	
	100 *	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	100 *	
	105		4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	105	
	110			4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	110	
	115				4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	115	
	120					4,000	4,000	4,000	4,000	4,000	4,000	4,000	120	
	125						4,000	4,000	4,000	4,000	4,000	4,000	125	
	130							4,000	4,000	4,000	4,000	4,000	130	
	135								4,000	4,000	4,000	4,000	135	
	140								4,000	4,000	4,000	3,900	140	
	150									3,700	3,400	3,100	150	

* These capacities apply for ALL lesser radii obtainable.

Form No. 6776-C, 5-21-75/GA

**MANITOWOC ENGINEERING CO.**

(A division of The Manitowoc Company, Inc.) Manitowoc, Wisconsin 54220

**JIB LIFTING CAPACITIES**MEETS
ANSI B30.5
REQUIREMENTS**2900WC****JIB NO. 124 WITH 12'6" STRUT ON
BOOM NO. 18 WITH OPEN THROAT TOP
20' CRAWLERS EXTENDED AND BLOCKED**

Chart supplements boom capacity chart No. 6774-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 & physical machine depreciation.

30 DEGREE JIB OFFSET ANGLE

Capacities do not exceed **75%** of static tipping loads with 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.

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	170		180
	35*	16,000	16,000		16,000	16,000								35*
	40	16,000	16,000											40
	45	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000					45
	50	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	15,800	15,400		50
	55	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	15,000	14,600		55
	60	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	14,200	13,800	13,200	60
	65		16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	13,800	13,400	12,800	65
	70			15,300	15,200	15,100	14,900	14,700	14,600	14,500	12,900	12,300	11,700	70
	75				13,700	13,600	13,400	13,300	13,100	13,000	12,200	11,700	11,000	75
	80					12,400	12,200	12,000	11,800	11,700	11,400	11,100	10,400	80
	85						11,100	10,900	10,700	10,600	10,300	10,200	9,800	85
	90							10,000	9,800	9,700	9,400	9,200	8,900	90
	95								8,900	8,800	8,500	8,400	8,200	95
	100									8,000	7,700	7,600	7,400	100
	105										7,000	6,900	6,700	105
	110											6,300	6,100	110

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	170	180	
	50 *	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	50 *
	55	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	55
	60	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	60
	65	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	65
	70	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	70
	75		11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	10,800	10,600	10,200	75
	80			11,000	11,000	11,000	11,000	11,000	11,000	11,000	10,800	10,600	9,700	80
	85				11,000	11,000	11,000	11,000	11,000	11,000	9,900	9,800	9,100	85
	90					10,600		10,300	10,100	10,000	9,500	9,100	8,700	90
	95						9,600	9,400	9,300	9,100	8,900	8,700	8,200	95
	100							8,700	8,500	8,400	8,100	8,000	7,800	100
	105								7,800	7,600	7,400	7,300	7,100	105
	110									7,000	6,700	6,600	6,500	110
	115										6,000	5,900	5,800	115

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	170	180	
	70*	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	70*
	75	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	75
	80	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	80
	85		8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	85
	90			8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	90
	95				8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	95
	100					8,000	8,000	8,000	8,000	8,000	7,800	7,700	7,300	100
	105						8,000	8,000	8,000	7,900	7,500	7,300	6,900	105
	110							7,500	7,400	7,300	7,000	6,900	6,600	110
	115								6,800	6,700	6,400	6,300	6,100	115
	120									6,000	5,900	5,800	5,600	120
	125										5,300	5,200	5,100	125

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	170	180	
60 FOOT JIB	90 *	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	90 *
	95		4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	95
	100			4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	100
	105				4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	105
	110					4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	110
	115						4,000	4,000	4,000	4,000	4,000	4,000	4,000	115
	120							4,000	4,000	4,000	4,000	4,000	4,000	120
	125								4,000	4,000	4,000	4,000	4,000	125
	130									4,000	4,000	4,000	4,000	130
	140										4,000	4,000	4,000	140

Form No. 6776-D, 5-21-75/GA

*These capacities apply for ALL lesser radii obtainable.

NO. 124 JIB CAPACITIES — 2900WC — BOOM NO. 18 — O.T. — 30 DEG.

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**MANITOWOC ENGINEERING CO.**

(A Division of The Manitowoc Company, Inc.) Manitowoc, Wisconsin 54220

**LOAD LINE SPECIFICATIONS** **2900WC****LIFT CRANE — 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)

Drwg. No. 6483-A, 5-9-75/GA