



LIFTCRANE CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4000W CRAWLER

BOOM NO. 22 WITH OPEN THROAT TOP 24' 0" CRAWLERS - 104,400 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. Deduct 1200 pounds from capacities listed when single sheave upper boom point is attached and 1500 pounds when two sheave upper boom point is attached. Upper boom point cannot be used on 220 ft. boom. 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 level position on a firm surface with gantry in working position and under conditions referred to in rigging drawing No. 48168 and load line specification chart No. 5320.

Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, as well as adverse operating conditions & 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 14" 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 24'0" ex-

tensible crawlers, 48" treads, 15' retractable gantry, 12 part boom hoist reeving, four 1-3/8" boom pendants, 1st Cwt. 40,100 lbs., 2nd Cwt. 35,800 lbs., 3rd Cwt. 28,500 lbs. Total counterweight 104,400 pounds.

HOIST REEVING FOR MAIN LOAD BLOCK						
No. Parts of Line	1	2	3	4	5	6
Max. Load - Lbs.	32,500	64,000	95,500	126,200	157,000	186,800
No. Parts of Line	7	8	9	10	11	12
Max. Load - Lbs.	215,900	243,000	267,100	281,000	294,000	300,000

LOAD AND WHIP LINE SPECIFICATIONS	
LOAD LINE:	1-1/8" - 6x31 Warrington-Seale, Extra Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 65 Ton.
WHIP LINE:	1-1/8" - 6x25 Filler Wire, Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 56.5 Ton. Maximum Load - 28,300 lbs. per line.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED			
OVER FRONT OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS	
Boom Length	Jib No. 123	Boom Length	Jib No. 123
220'	---	200'	---
210'	---	190'	---
200'	40'	180'	50'
190'	60'	170'	60'

OVER SIDE OF RETRACTED CRAWLERS		(A) DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
Boom Length	Jib No. 123	Jib Length	Jib No. 123
190'	---	30'	3,000 Lb.
180'	---	40'	3,600 Lb.
170'	50'	50'	4,200 Lb.
160'	60'	60'	4,900 Lb.

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

For jib capacities, consult jib chart.

Boom Lgth. Feet	Oper. Rad. Feet	Bm. Ang. Deg.	Boom Point Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth. Feet	Oper. Rad. Feet	Bm. Ang. Deg.	Boom Point Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
17	79.0	75.8	275,000	300,000	8	50	54.6	72.3	55,000	63,100	
18	78.2	75.6	248,000	285,000	55	50.1	68.5	48,400	55,400		
19	77.3	75.4	225,600	270,100	60	45.2	63.9	43,000	49,200		
20	76.5	75.2	206,900	253,500	65	39.9	58.5	38,600	44,200		
22	74.8	74.7	177,200	214,000	70	34.0	51.8	34,900	39,900		
24	73.1	74.1	154,800	184,800	75	26.9	43.3	31,700	36,300		
26	71.4	73.4	137,200	162,500	80	17.4	31.0	29,000	33,200		
28	69.7	72.7	123,100	144,800	17	81.5	96.1	267,100	267,100		
30	67.9	72.0	111,500	130,500	18	80.8	96.0	247,400	262,000		
32	66.1	71.1	101,700	118,600	19	80.2	95.8	225,000	260,000		
34	64.3	70.2	93,500	108,600	20	79.5	95.6	206,200	250,500		
36	62.5	69.2	86,400	100,100	22	78.2	95.2	176,500	213,400		
38	60.6	68.1	80,300	92,700	24	76.9	94.8	154,000	184,200		
40	58.8	67.0	74,900	86,300	26	75.6	94.3	136,400	161,800		
45	53.8	63.6	63,900	73,400	28	74.3	93.8	122,200	144,100		
50	48.6	59.6	55,600	63,700	30	73.0	93.2	110,600	129,700		
55	42.8	54.7	49,000	56,000	32	71.7	92.5	100,900	117,800		
60	36.7	48.7	43,600	49,800	34	70.3	91.8	92,600	107,800		
65	28.8	40.8	39,200	44,800	36	68.9	91.1	85,500	99,200		
70	18.6	29.5	35,500	40,500	38	67.6	90.3	79,400	91,900		
17	80.4	86.0	274,700	294,000	40	66.2	89.4	74,000	85,500		
18	79.7	85.8	247,600	281,600	45	62.7	87.1	63,000	72,500		
19	78.9	85.6	225,200	268,800	50	59.0	84.3	54,600	62,700		
20	78.2	85.4	206,500	252,600	55	55.2	81.0	48,000	55,100		
22	76.8	85.0	176,800	213,600	60	51.2	77.3	42,700	48,900		
24	75.3	84.5	154,300	184,400	65	47.0	73.0	38,200	43,800		
26	73.8	83.9	136,700	162,100	70	42.5	69.9	34,500	39,600		
28	72.3	83.3	122,500	144,300	75	37.6	62.0	31,400	36,000		
30	70.8	82.6	110,900	130,000	80	32.0	54.8	28,600	32,900		
32	69.3	81.9	101,200	118,100	85	25.4	45.5	26,300	30,200		
34	67.7	81.1	93,000	108,100	90	16.4	32.5	24,200	27,800		
36	66.2	80.3	85,900	99,600							
38	64.6	79.4	79,700	92,200							
40	63.0	78.4	74,300	85,800							
45	58.9	75.6	63,400	72,900							

Capacities continued on reverse side.

MANITOWOC ENGINEERING CO.

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



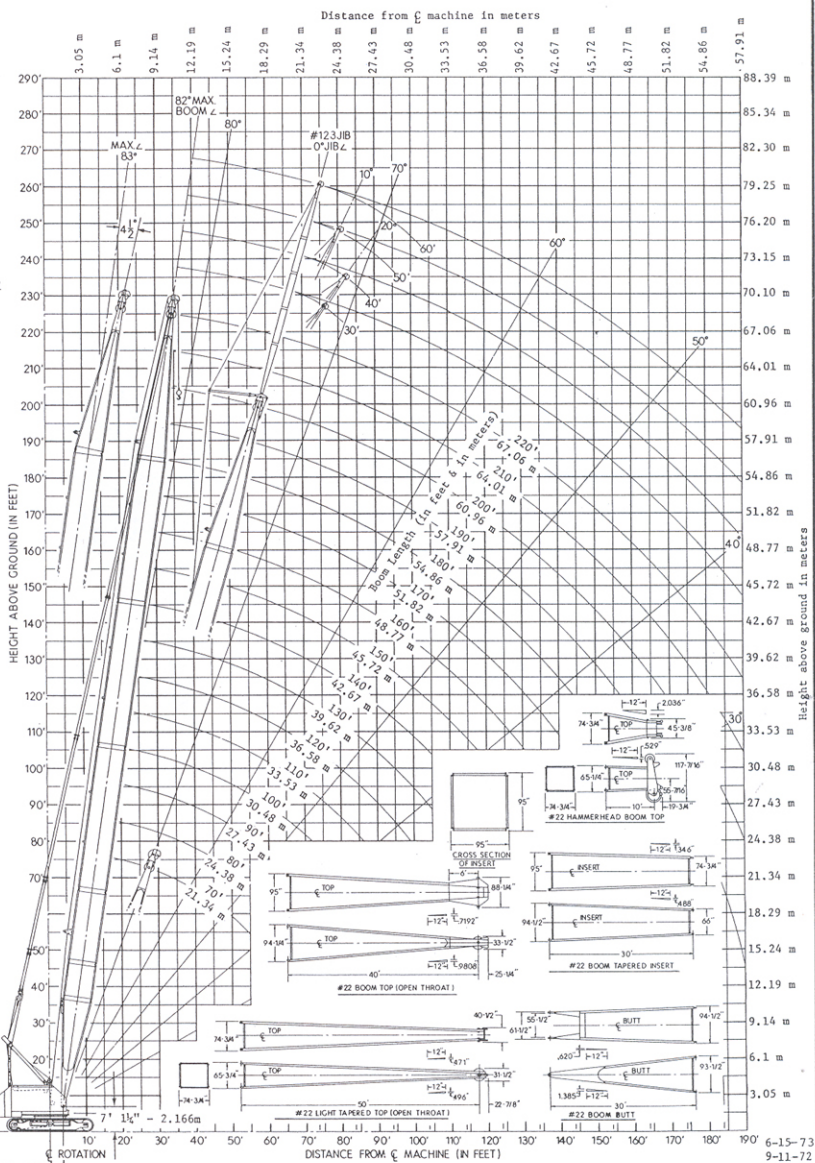
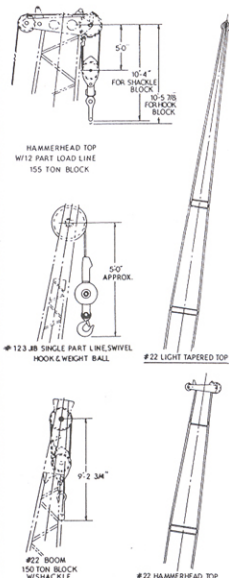
LIFTCRANE CAPACITIES — 4000W
BOOM NO. 22 WITH OPEN THROAT TOP, CONT'D.

SEE CONDITIONS ON FRONT PAGE

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended	Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
34	81.3	204.8	88,200	95,500	38	81.0	224.4	73,900	86,800		
36	80.7	204.5	81,000	95,000	40	80.5	224.1	68,500	80,300		
38	80.1	204.1	74,800	87,600	45	79.2	223.2	57,400	67,200		
40	79.5	203.8	69,400	81,100	50	77.8	222.2	48,900	57,300		
45	78.1	202.8	58,300	68,100	55	76.5	221.0	42,200	49,500		
50	76.6	201.7	49,900	58,200	60	75.2	219.8	36,800	43,200		
55	75.1	200.4	43,200	50,400	65	73.8	218.4	32,400	38,100		
60	73.6	199.0	37,800	44,200	70	72.5	216.9	28,600	33,800		
65	72.1	197.5	33,300	39,000	75	71.1	215.2	25,400	30,200		
70	70.6	195.8	29,600	34,800	80	69.7	213.4	22,700	27,000		
75	69.1	194.0	26,400	31,100	85	68.3	211.5	20,300	24,300		
80	67.6	192.0	23,600	28,000	90	66.9	209.5	18,200	21,900		
85	66.0	189.8	21,300	25,300	95	65.5	207.2	16,300	19,800		
90	64.4	187.5	19,200	23,000	100	64.0	204.9	14,600	17,900		
95	62.8	185.0	17,300	20,800	105	62.6	202.4	13,100	16,200		
100	61.2	182.4	15,600	18,900	110	61.1	199.7	11,800	14,700		
105	59.6	179.5	14,100	17,200	115	59.6	196.9	10,600	13,300		
110	57.9	176.5	12,800	15,700	120	58.1	193.8	9,500	12,100		
115	56.2	173.3	11,600	14,300	125	56.5	190.6	8,400	11,000		
120	54.4	169.8	10,500	13,100	130	55.0	187.2	7,500	9,900		
125	52.7	166.1	9,400	12,000	135	53.3	183.6	6,600	8,900		
130	50.8	162.2	8,500	10,900	140	51.7	179.8	5,800	8,000		
135	49.0	157.9	7,700	9,900	145	50.0	175.7	5,100	7,200		
140	47.0	153.4	6,900	9,100	150	48.3	171.4	4,400	6,500		
145	45.0	148.6	6,100	8,200	155	46.5	166.8	3,800	5,700		
150	43.0	143.4	5,400	7,500	160	44.7	161.9	3,200	5,100		
155	40.8	137.9	4,800	6,700	165	42.8	156.7	2,700	4,400		
160	38.6	131.8	4,200	6,100							
165	36.2	125.3	3,700	5,500							
170	33.7	118.2	3,200	4,900							
175	31.1	110.3	2,800	4,300							
36	81.1	214.6	80,600	94,600							
38	80.6	214.3	74,400	87,200							
40	80.0	213.9	68,900	80,700							
45	78.6	213.0	57,900	67,600							
50	77.3	211.9	49,400	57,700							
55	75.9	210.7	42,700	50,000							
60	74.4	209.4	37,300	43,700							
65	73.0	207.9	32,900	38,600							
70	71.6	206.4	29,100	34,300							
75	70.1	204.6	25,900	30,700							
80	68.7	202.7	23,200	27,500							
85	67.2	200.7	20,800	24,800							
90	65.7	198.5	18,700	22,400							
95	64.2	196.2	16,800	20,300							
100	62.7	193.7	15,200	18,500							
105	61.1	191.0	13,700	16,800							
110	59.6	188.2	12,300	15,300							
115	58.0	185.2	11,100	13,900							
120	56.4	181.9	10,000	12,600							
125	54.7	178.5	9,000	11,500							
130	53.0	174.9	8,000	10,400							
135	51.3	171.0	7,200	9,500							
140	49.5	166.8	6,400	8,600							
145	47.7	162.4	5,700	7,800							
150	45.8	157.7	5,000	7,000							
155	43.9	152.7	4,300	6,300							
160	41.9	147.3	3,700	5,600							
165	39.8	141.5	3,200	5,000							
170	37.6	135.3	2,700	4,400							

Combined From Charts:
No. 5359 7-20-77
No. 6274-A 1-24-78
No. 6274-B 1-24-78
No. 5320 7-20-77

MAXIMUM BOOM ANGLE
 82° For No. 22 Boom W/Straight Top
 83° For No. 22 Boom W/45° Offset Top
 83° For No. 22 Boom W/Hammerhead 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 3° fleet angle or physical limitations.
- NOTE 5: When equipped with hoist line limit switch, contact factory for load block to boom point minimum distance.

RANGE DIAGRAM - M4000W - No. 22 BOOM w/ No. 123 JIB And OFFSET TOP

48955

6-15-73
 9-11-72
 6-29-72
 1-10-72
 4-6-70



4000W

JIB LIFTING CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

JIB NO. 123 WITH 12'6" STRUT NO. 22 BOOM WITH OPEN THROAT TOP - INLINE OR OFFSET 24' CRAWLERS EXTENDED

20 DEGREE JIB OFFSET ANGLE

Chart supplements boom capacity chart No. 6274-A or No. 6274-C. 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, travel, as well as adverse operating conditions & physical machine depreciation.

Capacities do not exceed **75%** of static tipping load 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, etc. including those on the main boom is considered part of the jib load. Maximum capacity on 1-1/8" - 6x25 IPS, IWRC is 28,300 lbs./line.

30 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET
		BOOM LENGTH - FEET										
		110	120	130	140	150	160	170	180	190	200	
65*	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	65*
70	40,000	39,900	39,600	39,100	38,700	38,200	37,900	37,500	37,100	36,600	36,200	70
75	36,600	36,100	35,800	35,300	34,900	34,400	34,100	33,700	33,300	32,800	32,400	75
80	33,400	32,800	32,600	32,100	31,600	31,100	30,800	30,400	30,000	29,500	29,100	80
85	30,600	30,000	29,800	29,200	28,800	28,300	28,000	27,500	27,100	26,600	26,200	85
90	28,100	27,500	27,300	26,700	26,300	25,800	25,500	25,000	24,600	24,100	23,700	90
95	25,900	25,300	25,100	24,500	24,100	23,600	23,300	22,800	22,400	21,900	21,500	95
100	23,900	23,400	23,100	22,600	22,100	21,600	21,300	20,800	20,400	19,900	19,500	100
105		21,600	21,400	20,800	20,400	19,800	19,500	19,000	18,600	18,100	17,700	105
110			19,800	19,200	18,800	18,200	17,900	17,400	17,000	16,500	16,100	110
115			18,400	17,800	17,300	16,800	16,500	16,000	15,500	15,000	14,600	115
120				16,500	16,000	15,500	15,200	14,700	14,200	13,700	13,200	120
125					14,800	14,300	14,000	13,500	13,000	12,500	12,100	125
130						13,200	12,900	12,400	11,900	11,400	10,900	130
140							10,900	10,400	9,900	9,400	8,900	140
150								8,200	7,700	7,200	6,700	150

40 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET
		BOOM LENGTH - FEET										
		110	120	130	140	150	160	170	180	190	200	
80*	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	80*
85	29,500	30,000	30,000	29,900	29,500	29,000	28,700	28,200	27,800	27,400	27,000	85
90	28,400	28,100	27,900	27,400	26,900	26,400	26,100	25,700	25,300	24,800	24,400	90
95	26,400	25,900	25,600	25,100	24,700	24,200	23,900	23,500	23,000	22,500	22,100	95
100	24,500	23,900	23,700	23,100	22,700	22,200	21,900	21,400	21,000	20,500	20,100	100
105	22,700	22,100	21,900	21,300	20,800	20,300	20,000	19,500	19,000	18,500	18,100	105
110			20,300	19,800	19,300	18,800	18,500	18,000	17,600	17,100	16,700	110
115			19,100	18,600	18,300	17,900	17,300	17,000	16,600	16,100	15,600	115
120				17,000	16,500	16,000	15,700	15,200	14,800	14,300	13,800	120
125				15,800	15,300	14,800	14,500	14,000	13,500	13,000	12,500	125
130				14,700	14,200	13,700	13,300	12,900	12,400	11,900	11,400	130
135					13,200	12,600	12,300	11,800	11,400	10,900	10,400	135
140							11,700	11,400	10,900	10,400	9,900	140
150									9,200	8,700	8,200	150

50 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET
		BOOM LENGTH - FEET										
		110	120	130	140	150	160	170	180	190	200	
100*	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	100*
105	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	19,900	19,800	105
110	20,000	20,000	20,000	20,000	20,000	19,900	19,400	19,100	18,700	18,300	17,900	110
115	20,000	19,600	19,400	18,900	18,400	17,900	17,600	17,200	16,800	16,400	16,000	115
120	18,800	18,300	18,000	17,500	17,100	16,600	16,300	15,800	15,400	14,900	14,500	120
125		17,100	16,800	16,300	15,900	15,300	15,000	14,600	14,200	13,800	13,400	125
130			15,700	15,200	14,700	14,200	13,900	13,400	13,000	12,600	12,100	130
135				14,100	13,700	13,200	12,900	12,400	12,000	11,600	11,200	135
140				13,200	12,700	12,200	11,900	11,400	11,000	10,500	10,100	140
145					11,800	11,300	11,000	10,500	10,100	9,600	9,200	145
150						10,400	10,100	9,700	9,200	8,800	8,400	150
160								8,200	7,700	7,200	6,700	160

60 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET
		BOOM LENGTH - FEET										
		110	120	130	140	150	160	170	180	190	200	
125*	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	125*
130		10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	130
135			10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	135
140				10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	140
145					10,000	10,000	10,000	10,000	10,000	10,000	10,000	145
150						10,000	10,000	10,000	10,000	10,000	9,600	150
155							10,000	9,700	9,300	8,900	8,500	155
160								9,300	9,000	8,600	8,200	160
165									8,300	7,800	7,400	165
170										7,200	6,700	170

* These capacities apply for ALL lesser radii obtainable.

JIB LIFTING CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4000W

**JIB NO. 123 WITH 12'6" STRUT
NO. 22 BOOM WITH OPEN THROAT TOP — INLINE OR OFFSET
24' CRAWLERS EXTENDED**

0 DEGREE JIB OFFSET ANGLE

Chart supplements boom capacity chart No. 6274-A or No. 6274-C. 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, travel, as well as adverse operating conditions & physical machine depreciation.

Capacities do not exceed 75% of static tipping load 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, etc. including those on the main boom is considered part of the jib load. Maximum capacity on 1-1/8" — 6x25 IPS, IWRC is 28,300 lbs./line.

30 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET
		BOOM LENGTH — FEET										
		110	120	130	140	150	160	170	180	190	200	
60 *	65	40,000	40,000	40,000	40,000	40,000	40,000	40,000	39,900	39,400	40,000	60 *
	70	39,200	38,500	38,200	37,600	37,100	36,500	36,100	35,500	35,100	34,500	65
	75	35,500	34,800	34,500	33,900	33,400	32,800	32,400	31,900	31,400	30,800	70
	80	32,400	31,700	31,400	30,800	30,300	29,700	29,300	28,800	28,300	27,700	75
	85	29,700	29,000	28,700	28,100	27,500	26,900	26,600	26,000	25,500	24,900	80
90	90	27,300	26,600	26,300	25,700	25,100	24,500	24,200	23,600	23,100	22,500	85
	95	25,200	24,500	24,200	23,600	23,000	22,400	22,100	21,500	21,000	20,400	90
	100	23,300	22,600	22,300	21,700	21,200	20,500	20,200	19,600	19,100	18,500	100
	110	23,600	19,400	19,100	18,500	17,900	17,300	17,000	16,400	15,900	15,300	110
	120	17,500	16,800	16,500	15,900	15,300	14,700	14,300	13,800	13,300	12,700	120
130	130		14,600	14,300	13,700	13,100	12,500	12,100	11,600	11,100	10,400	130
	140			12,400	11,800	11,300	10,600	10,300	9,700	9,200	8,600	140
	150				10,200	9,700	9,000	8,700	8,100	7,600	7,000	150
	160					8,300	7,600	7,300	6,700	6,200	5,600	160
	170						6,400	6,100	5,500	5,000	4,400	170

40 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET
		BOOM LENGTH — FEET										
		110	120	130	140	150	160	170	180	190	200	
75 *	75 *	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	75 *
	80	30,000	30,000	30,000	30,000	30,000	29,900	29,600	29,000	28,500	27,900	80
	85	29,900	29,300	29,000	28,300	27,800	27,200	26,800	26,300	25,800	25,200	85
	90	27,600	26,900	26,600	25,900	25,400	24,800	24,300	23,900	23,400	22,800	90
	95	25,400	24,800	24,500	23,800	23,300	22,700	22,300	21,800	21,300	20,700	95
100	100	23,600	22,900	22,600	22,000	21,400	20,800	20,400	19,900	19,400	18,800	100
	110	20,400	19,700	19,400	18,700	18,200	17,600	17,200	16,700	16,100	15,600	110
	120	17,700	17,100	16,700	16,100	15,600	15,000	14,600	14,000	13,500	12,900	120
	130	15,600	14,900	14,600	13,900	13,400	12,800	12,400	11,800	11,300	10,700	130
	140		13,000	12,700	12,100	11,500	10,900	10,500	10,000	9,400	8,800	140
150	150			11,100	10,500	9,900	9,300	8,900	8,400	7,800	7,200	150
	160				9,100	8,500	7,900	7,500	7,000	6,400	5,800	160
	170					7,300	6,700	6,300	5,700	5,200	4,600	170
	180							5,200	4,700	4,100		180

50 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET
		BOOM LENGTH — FEET										
		110	120	130	140	150	160	170	180	190		
95 *	95 *	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	95 *
	100	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	19,700	100	
	105	20,000	20,000	20,000	20,000	20,000	20,000	19,500	19,100	18,500	18,000	105
	110	20,000	20,000	19,700	19,100	18,500	17,900	17,500	17,000	16,500	16,000	110
	120	18,000	17,400	17,000	16,400	15,900	15,300	14,900	14,400	13,800	13,200	120
130	130	15,800	15,200	14,800	14,200	13,700	13,100	12,700	12,100	11,600	11,000	130
	140	14,000	13,300	13,000	12,300	11,800	11,200	10,800	10,300	9,700	9,100	140
	150		11,700	11,400	10,700	10,200	9,600	9,200	8,700	8,100	7,500	150
	160			10,000	9,300	8,800	8,200	7,800	7,300	6,700	6,100	160
	170				8,100	7,600	7,000	6,600	6,000	5,500	4,900	170
180	180					6,500	5,900	5,500	4,900	4,400	3,800	180
	190							4,600	4,000			190

60 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET
		BOOM LENGTH — FEET										
		110	120	130	140	150	160	170	180	190		
135 *	135 *	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	135 *
	140	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	9,900	140	
	145	10,000	10,000	10,000	10,000	10,000	10,000	10,000	9,600	9,100	8,600	145
	150	10,000	10,000	10,000	10,000	10,000	9,800	9,400	8,800	8,300	7,800	150
	155		10,000	10,000	10,000	9,700	9,000	8,700	8,100	7,600	7,000	155
160	160		10,000	10,000	9,500	9,000	8,400	8,000	7,400	6,900	6,300	160
	165			9,500	8,900	8,400	7,700	7,400	6,800	6,300	5,700	165
	170			8,900	8,300	7,800	7,100	6,800	6,200	5,700	5,100	170
	180				7,200	6,700	6,100	5,700	5,100	4,600	4,000	180
	190						5,100	4,700	4,200			190

* These capacities apply for ALL lesser radii obtainable.

MANITOWOC ENGINEERING CO.

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



JIB LIFTING CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4000W

JIB NO. 123 WITH 12'6" STRUT NO. 22 BOOM WITH OPEN THROAT TOP — INLINE OR OFFSET 24' CRAWLERS EXTENDED

10 DEGREE JIB OFFSET ANGLE

Chart supplements boom capacity chart No. 6274-A or No. 6274-C. 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, travel, as well as adverse operating conditions & physical machine depreciation.

Capacities do not exceed 75% of static tipping load 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, etc. including those on the main boom is considered part of the jib load. Maximum capacity on 1-1/8" — 6x25 IPS, IWRC is 28,300 lbs./line.

30 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS									JIB POINT RADIUS: FEET
		BOOM LENGTH — FEET									
		110	120	130	140	150	160	170	180	190	
65*	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	65*
70	39,800	39,200	38,900	38,400	37,900	37,400	37,000	36,600	36,100	35,600	70
75	36,100	35,500	35,200	24,700	34,200	33,600	33,300	32,800	32,400	31,800	75
80	32,900	32,300	32,000	31,500	31,000	30,400	30,100	29,600	29,100	28,600	80
85	30,100	29,500	29,200	28,700	28,200	27,600	27,300	26,800	26,300	25,800	85
90	27,700	27,100	26,800	26,200	25,700	25,200	24,800	24,400	23,900	23,300	90
95	25,600	24,900	24,700	24,100	23,600	23,000	22,700	22,200	21,700	21,200	95
100	23,600	23,000	22,700	22,200	21,700	21,100	20,800	20,200	19,800	19,200	100
105	21,900	21,300	21,000	20,400	19,900	19,400	19,000	18,500	18,000	17,500	105
110	20,400	19,800	19,500	18,900	18,400	17,800	17,500	17,000	16,500	15,900	110
120		17,100	16,800	16,200	15,700	15,100	14,800	14,300	13,800	13,200	120
130			14,500	13,900	13,400	12,800	12,500	12,000	11,500	10,900	130
140					11,500	10,900	10,600	10,100	9,600	9,000	140
150						9,300	9,000	8,400	7,900	7,300	150
160							7,500	7,000	6,500	5,900	160
170								5,700	5,200	4,700	170

40 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS									JIB POINT RADIUS: FEET
		BOOM LENGTH — FEET									
		110	120	130	140	150	160	170	180	190	
75*	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	75*
80	30,000	30,000	30,000	29,100	28,200	27,300	26,400	25,500	24,600	23,700	80
85	30,000	30,000	29,700	29,100	28,200	27,300	26,400	25,500	24,600	23,700	85
90	28,100	27,500	27,200	26,700	26,200	25,700	25,300	24,800	24,400	23,800	90
95	26,000	25,400	25,100	24,500	24,000	23,500	23,100	22,600	22,200	21,600	95
100	24,000	23,400	23,100	22,600	22,100	21,500	21,200	20,700	20,200	19,700	100
105	22,300	21,700	21,400	20,800	20,400	19,800	19,500	19,000	18,500	17,900	105
110	20,800	20,100	19,900	19,300	18,800	18,200	17,900	17,400	16,900	16,400	110
120	18,100	17,400	17,200	16,600	16,100	15,500	15,200	14,700	14,200	13,600	120
130		15,200	14,900	14,300	13,800	13,200	12,900	12,400	11,900	11,300	130
140			13,000	12,400	11,900	11,300	11,000	10,400	9,900	9,400	140
150				10,200	9,600	9,000	8,700	8,100	7,600	7,100	150
160						8,200	7,900	7,300	6,800	6,300	160
170							6,800	6,100	5,600	5,000	170

50 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS									JIB POINT RADIUS: FEET
		BOOM LENGTH — FEET									
		110	120	130	140	150	160	170	180	190	
100*	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	100*
105	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	105
110	20,000	20,000	20,000	19,700	19,300	18,700	18,400	17,900	17,400	17,000	110
115	19,700	19,200	18,900	18,300	17,800	17,300	16,900	16,400	16,000		115
120	18,400	17,900	17,600	17,000	16,500	16,000	15,600	15,100	14,600		120
125	17,300	16,700	16,400	15,800	15,300	14,800	14,400	13,900	13,400		125
130	16,200	15,600	15,300	14,700	14,200	13,700	13,300	12,800	12,300		130
140		13,600	13,300	12,800	12,300	11,700	11,400	10,900	10,400		140
150			11,700	11,100	10,600	10,000	9,700	9,200	8,700		150
160					9,200	8,600	8,200	7,700	7,200		160
170						7,300	7,000	6,500	6,000		170
180							5,800	5,300	4,800		180

60 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS									JIB POINT RADIUS: FEET
		BOOM LENGTH — FEET									
		110	120	130	140	150	160	170	180	190	
140*	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	140*
145		10,000	10,000	10,000	10,000	10,000	10,000	10,000	9,500	9,000	145
150		10,000	10,000	10,000	10,000	10,000	10,000	9,500	9,000	8,500	150
155			10,000	10,000	10,000	10,000	9,600	9,200	8,700	8,200	155
160				9,900	9,400	8,900	8,500	8,000	7,500		160
165				9,200	8,800	8,200	7,900	7,300	6,900		165
170					8,100	7,600	7,200	6,700	6,300		170
175						7,000	6,500	6,100	5,600		175
180							6,400	6,100	5,600	5,100	180
190								4,600	4,100		190

* These capacities apply for ALL lesser radii obtainable.