

# MANITOWOC ENGINEERING CO.

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



## 4000W CRAWLER

### LIFTCRANE CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

#### 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 (lb. 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 sheaf.

flexible 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.

No. Parts of Line	1	2	3	4	5	6
Max. Load - lbs.	32,500	64,000	95,500	126,200	157,000	188,000
No. Pendant Lines	7	8	9	10	11	12
Max. Load - lbs.	215,900	243,000	267,100	289,900	304,000	300,000

LOAD LINE: 1-1/8" - &#21; Warrington-Seale, Extra Improved Plain Steel, Regular Lay, RWRC, Minimum Breaking Strength 65 Ton.
WHP LINE: 1-3/8" - &#25; Filar Wire, Improved Plain Steel, Regular Lay, RWRC, Minimum Breaking Strength 56.5 Ton. Maximum Load - 38,398 Lbs. per line.

OVER FRONT OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS	
Boom Length	Jib No. 122	Boom Length	Jib No. 122
220	—	200'	—
210	—	190'	—
200	40'	180'	38'
190	60'	170'	58'

  

OVER SIDE OF RETRACTED CRAWLERS		(A) DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
Boom Length	Jib No. 122	Jib Length	Jib No. 122
190'	—	20'	3,000 Lb.
180'	—	40'	3,400 Lb.
170'	30'	50'	4,200 Lb.
160'	50'	60'	4,900 Lb.

Load block, hook and weight ball on ground or hoist.

For jib capacities, consult jib chart.

**MACHINE EQUIPMENT:** Machine equipped with 24' 0" ex.

Boom Lgh. Feet	Boom Pt. Elev. Feet	Wt. Lbs.	Boom Pt. Elev. Feet	Capacity Lbs.	Capacity Lbs.	Boom Lgh. Feet	Boom Pt. Elev. Feet	Wt. Lbs.	Capacity Lbs.	Capacity Lbs.	Boom Lgh. Feet	Boom Pt. Elev. Feet	Wt. Lbs.	Capacity Lbs.	Capacity Lbs.
17	74.0	75.8	275,000	285,000	10	81.5	109.8	224,500	232,000	10	81.5	109.8	224,500	232,000	
18	73.5	75.4	248,000	258,000	10	81.5	109.8	202,500	212,000	10	81.5	109.8	202,500	212,000	
19	73.0	75.0	221,000	231,000	10	81.5	109.8	180,500	190,000	10	81.5	109.8	180,500	190,000	
20	72.5	74.6	194,000	204,000	10	81.5	109.8	158,500	168,000	10	81.5	109.8	158,500	168,000	
22	74.8	74.7	177,200	177,200	10	81.5	109.8	136,500	136,500	10	81.5	109.8	136,500	136,500	
24	73.1	74.1	154,800	154,800	10	81.5	109.8	114,500	114,500	10	81.5	109.8	114,500	114,500	
26	71.4	73.4	132,400	132,400	10	81.5	109.8	92,500	92,500	10	81.5	109.8	92,500	92,500	
28	69.7	71.7	110,000	110,000	10	81.5	109.8	70,500	70,500	10	81.5	109.8	70,500	70,500	
30	68.0	70.0	87,600	87,600	10	81.5	109.8	48,500	48,500	10	81.5	109.8	48,500	48,500	
32	66.3	68.3	65,200	65,200	10	81.5	109.8	26,500	26,500	10	81.5	109.8	26,500	26,500	
34	64.6	66.6	42,800	42,800	10	81.5	109.8	4,500	4,500	10	81.5	109.8	4,500	4,500	
36	62.9	64.9	20,400	20,400	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
38	61.2	63.2	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
40	59.5	61.5	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
42	57.8	59.8	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
44	56.1	58.1	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
46	54.4	56.4	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
48	52.7	54.7	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
50	51.0	53.0	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
52	49.3	51.3	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
54	47.6	49.6	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
56	45.9	47.9	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
58	44.2	46.2	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
60	42.5	44.5	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
62	40.8	42.8	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
64	39.1	41.1	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
66	37.4	39.4	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
68	35.7	37.7	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
70	34.0	36.0	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
72	32.3	34.3	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
74	30.6	32.6	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
76	28.9	30.9	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
78	27.2	29.2	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
80	25.5	27.5	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
82	23.8	25.8	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
84	22.1	24.1	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
86	20.4	22.4	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
88	18.7	20.7	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
90	17.0	19.0	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
92	15.3	17.3	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
94	13.6	15.6	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
96	11.9	13.9	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
98	10.2	12.2	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	
100	8.5	10.5	—	—	10	81.5	109.8	—	—	10	81.5	109.8	—	—	

Capacities continued on reverse side.

# SEE CONDITIONS ON REVERSE SIDE

Beam Lght. Feet	Span Feet	Sp. Feet	Beam Height Feet	Capacity Concrete Slabs Kilograms	Capacity Concrete Slabs Exceeds	Beam Lght. Feet	Span Feet	Sp. Feet	Beam Height Feet	Capacity Concrete Slabs Kilograms	Capacity Concrete Slabs Exceeds	Beam Lght. Feet	Span Feet	Sp. Feet	Beam Height Feet	Capacity Concrete Slabs Kilograms	Capacity Concrete Slabs Exceeds
20	81.3	11.9	105.929	898,900	898,900	80	57.6	12.4	96.200	20,400	20,400	110	46.1	12.9	110,000	13,800	13,800
24	90.3	12.3	112,353	1,011,000	1,011,000	85	58.8	12.4	98,800	21,200	21,200	115	46.1	13.2	115,000	14,400	14,400
28	99.3	12.7	119,377	1,123,100	1,123,100	90	60.0	12.4	101,600	22,000	22,000	120	46.1	13.5	120,000	15,000	15,000
32	108.3	13.1	126,401	1,235,200	1,235,200	95	61.2	12.4	104,400	22,800	22,800	125	46.1	13.8	125,000	15,600	15,600
36	117.3	13.5	133,425	1,347,300	1,347,300	100	62.4	12.4	107,200	23,600	23,600	130	46.1	14.1	130,000	16,200	16,200
40	126.3	13.9	140,449	1,459,400	1,459,400	105	63.6	12.4	110,000	24,400	24,400	135	46.1	14.4	135,000	16,800	16,800
44	135.3	14.3	147,473	1,571,500	1,571,500	110	64.8	12.4	112,800	25,200	25,200	140	46.1	14.7	140,000	17,400	17,400
48	144.3	14.7	154,497	1,683,600	1,683,600	115	66.0	12.4	115,600	26,000	26,000	145	46.1	15.0	145,000	18,000	18,000
52	153.3	15.1	161,521	1,795,700	1,795,700	120	67.2	12.4	118,400	26,800	26,800	150	46.1	15.3	150,000	18,600	18,600
56	162.3	15.5	168,545	1,907,800	1,907,800	125	68.4	12.4	121,200	27,600	27,600	155	46.1	15.6	155,000	19,200	19,200
60	171.3	15.9	175,569	2,019,900	2,019,900	130	69.6	12.4	124,000	28,400	28,400	160	46.1	15.9	160,000	19,800	19,800
64	180.3	16.3	182,593	2,132,000	2,132,000	135	70.8	12.4	126,800	29,200	29,200	165	46.1	16.2	165,000	20,400	20,400
68	189.3	16.7	189,617	2,244,100	2,244,100	140	72.0	12.4	129,600	30,000	30,000	170	46.1	16.5	170,000	21,000	21,000
72	198.3	17.1	196,641	2,356,200	2,356,200	145	73.2	12.4	132,400	30,800	30,800	175	46.1	16.8	175,000	21,600	21,600
76	207.3	17.5	203,665	2,468,300	2,468,300	150	74.4	12.4	135,200	31,600	31,600	180	46.1	17.1	180,000	22,200	22,200
80	216.3	17.9	210,689	2,580,400	2,580,400	155	75.6	12.4	138,000	32,400	32,400	185	46.1	17.4	185,000	22,800	22,800
84	225.3	18.3	217,713	2,692,500	2,692,500	160	76.8	12.4	140,800	33,200	33,200	190	46.1	17.7	190,000	23,400	23,400
88	234.3	18.7	224,737	2,804,600	2,804,600	165	78.0	12.4	143,600	34,000	34,000	195	46.1	18.0	195,000	24,000	24,000
92	243.3	19.1	231,761	2,916,700	2,916,700	170	79.2	12.4	146,400	34,800	34,800	200	46.1	18.3	200,000	24,600	24,600
96	252.3	19.5	238,785	3,028,800	3,028,800	175	80.4	12.4	149,200	35,600	35,600	205	46.1	18.6	205,000	25,200	25,200
100	261.3	19.9	245,809	3,140,900	3,140,900	180	81.6	12.4	152,000	36,400	36,400	210	46.1	18.9	210,000	25,800	25,800
104	270.3	20.3	252,833	3,253,000	3,253,000	185	82.8	12.4	154,800	37,200	37,200	215	46.1	19.2	215,000	26,400	26,400
108	279.3	20.7	259,857	3,365,100	3,365,100	190	84.0	12.4	157,600	38,000	38,000	220	46.1	19.5	220,000	27,000	27,000
112	288.3	21.1	266,881	3,477,200	3,477,200	195	85.2	12.4	160,400	38,800	38,800	225	46.1	19.8	225,000	27,600	27,600
116	297.3	21.5	273,905	3,589,300	3,589,300	200	86.4	12.4	163,200	39,600	39,600	230	46.1	20.1	230,000	28,200	28,200
120	306.3	21.9	280,929	3,701,400	3,701,400	205	87.6	12.4	166,000	40,400	40,400	235	46.1	20.4	235,000	28,800	28,800
124	315.3	22.3	287,953	3,813,500	3,813,500	210	88.8	12.4	168,800	41,200	41,200	240	46.1	20.7	240,000	29,400	29,400
128	324.3	22.7	294,977	3,925,600	3,925,600	215	90.0	12.4	171,600	42,000	42,000	245	46.1	21.0	245,000	30,000	30,000
132	333.3	23.1	301,001	4,037,700	4,037,700	220	91.2	12.4	174,400	42,800	42,800	250	46.1	21.3	250,000	30,600	30,600
136	342.3	23.5	308,025	4,149,800	4,149,800	225	92.4	12.4	177,200	43,600	43,600	255	46.1	21.6	255,000	31,200	31,200
140	351.3	23.9	315,049	4,261,900	4,261,900	230	93.6	12.4	180,000	44,400	44,400	260	46.1	21.9	260,000	31,800	31,800
144	360.3	24.3	322,073	4,374,000	4,374,000	235	94.8	12.4	182,800	45,200	45,200	265	46.1	22.2	265,000	32,400	32,400
148	369.3	24.7	329,097	4,486,100	4,486,100	240	96.0	12.4	185,600	46,000	46,000	270	46.1	22.5	270,000	33,000	33,000
152	378.3	25.1	336,121	4,598,200	4,598,200	245	97.2	12.4	188,400	46,800	46,800	275	46.1	22.8	275,000	33,600	33,600
156	387.3	25.5	343,145	4,710,300	4,710,300	250	98.4	12.4	191,200	47,600	47,600	280	46.1	23.1	280,000	34,200	34,200
160	396.3	25.9	350,169	4,822,400	4,822,400	255	99.6	12.4	194,000	48,400	48,400	285	46.1	23.4	285,000	34,800	34,800
164	405.3	26.3	357,193	4,934,500	4,934,500	260	100.8	12.4	196,800	49,200	49,200	290	46.1	23.7	290,000	35,400	35,400
168	414.3	26.7	364,217	5,046,600	5,046,600	265	102.0	12.4	199,600	50,000	50,000	295	46.1	24.0	295,000	36,000	36,000
172	423.3	27.1	371,241	5,158,700	5,158,700	270	103.2	12.4	202,400	50,800	50,800	300	46.1	24.3	300,000	36,600	36,600
176	432.3	27.5	378,265	5,270,800	5,270,800	275	104.4	12.4	205,200	51,600	51,600	305	46.1	24.6	305,000	37,200	37,200
180	441.3	27.9	385,289	5,382,900	5,382,900	280	105.6	12.4	208,000	52,400	52,400	310	46.1	24.9	310,000	37,800	37,800
184	450.3	28.3	392,313	5,495,000	5,495,000	285	106.8	12.4	210,800	53,200	53,200	315	46.1	25.2	315,000	38,400	38,400
188	459.3	28.7	399,337	5,607,100	5,607,100	290	108.0	12.4	213,600	54,000	54,000	320	46.1	25.5	320,000	39,000	39,000
192	468.3	29.1	406,361	5,719,200	5,719,200	295	109.2	12.4	216,400	54,800	54,800	325	46.1	25.8	325,000	39,600	39,600
196	477.3	29.5	413,385	5,831,300	5,831,300	300	110.4	12.4	219,200	55,600	55,600	330	46.1	26.1	330,000	40,200	40,200
200	486.3	29.9	420,409	5,943,400	5,943,400	305	111.6	12.4	222,000	56,400	56,400	335	46.1	26.4	335,000	40,800	40,800
204	495.3	30.3	427,433	6,055,500	6,055,500	310	112.8	12.4	224,800	57,200	57,200	340	46.1	26.7	340,000	41,400	41,400
208	504.3	30.7	434,457	6,167,600	6,167,600	315	114.0	12.4	227,600	58,000	58,000	345	46.1	27.0	345,000	42,000	42,000
212	513.3	31.1	441,481	6,279,700	6,279,700	320	115.2	12.4	230,400	58,800	58,800	350	46.1	27.3	350,000	42,600	42,600
216	522.3	31.5	448,505	6,391,800	6,391,800	325	116.4	12.4	233,200	59,600	59,600	355	46.1	27.6	355,000	43,200	43,200
220	531.3	31.9	455,529	6,503,900	6,503,900	330	117.6	12.4	236,000	60,400	60,400	360	46.1	27.9	360,000	43,800	43,800
224	540.3	32.3	462,553	6,616,000	6,616,000	335	118.8	12.4	238,800	61,200	61,200	365	46.1	28.2	365,000	44,400	44,400
228	549.3	32.7	469,577	6,728,100	6,728,100	340	120.0	12.4	241,600	62,000	62,000	370	46.1	28.5	370,000	45,000	45,000
232	558.3	33.1	476,601	6,840,200	6,840,200	345	121.2	12.4	244,400	62,800	62,800	375	46.1	28.8	375,000	45,600	45,600
236	567.3	33.5	483,625	6,952,300	6,952,300	350	122.4	12.4	247,200	63,600	63,600	380	46.1	29.1	380,000	46,200	46,200
240	576.3	33.9	490,649	7,064,400	7,064,400	355	123.6	12.4	250,000	64,400	64,400	385	46.1	29.4	385,000	46,800	46,800
244	585.3	34.3	497,673	7,176,500	7,176,500	360	124.8	12.4	252,800	65,200	65,200	390	46.1	29.7	390,000	47,400	47,400
248	594.3	34.7	504,697	7,288,600	7,288,600	365	126.0	12.4	255,600	66,000	66,000	395	46.1	30.0	395,000	48,000	48,000
252	603.3	35.1	511,721	7,400,700	7,400,700	370	127.2	12.4	258,400	66,800	66,800	400	46.1	30.3	400,000	48,600	48,600
256	612.3	35.5	518,745	7,512,800	7,512,800	375	128.4	12.4	261,200	67,600	67,600	405	46.1	30.6	405,000	49,200	49,200
260	621.3	35.9	525,769	7,624,900	7,624,900	380	129.6	12.4	264,000	68,400	68,400	410	46.1	30.9	410,000	49,800	49,800
264	630.3	36.3	532,793	7,737,000	7,737,000	385	130.8	12.4	266,800	69,200	69,200	415	46.1	31.2	415,000	50,400	50,400
268	639.3	36.7	539,817	7,849,100	7,849,100	390	132.0	12.4	269,600	70,00							

**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 Lift, Feet	Boom Rad., Feet	Sw. Ang., Deg.	Boom Point Dist.	Capacity: Crawler Extended	Capacity: Crawler Retracted	Boom Lift, Feet	Boom Rad., Feet	Sw. Ang., Deg.	Boom Point Dist.	Capacity: Crawler Extended	Capacity: Crawler Retracted
34	81.3		104.6	88,000	95,000	38	81.0		124.4	73,000	80,000
36	80.7		104.5	81,000	90,000	40	80.5		124.1	68,000	80,500
38	80.1		104.1	74,000	87,000	42	79.7		123.7	63,000	81,200
40	79.4		103.8	69,000	81,000	44	79.1		123.3	49,000	57,300
42	78.1		103.0	58,000	68,000	46	78.5		123.0	43,000	49,500
50	75.6		101.7	40,000	50,000	50	75.2		119.8	36,000	41,200
55	73.1		100.0	43,000	52,000	55	72.8		118.4	32,400	38,100
60	71.6		99.0	37,000	46,000	59	71.5		118.0	28,000	35,000
65	70.1		97.6	34,000	39,000	75	71.1		115.2	25,400	30,500
70	70.6		105.8	29,000	34,000	89	69.7		113.4	22,700	27,000
75	69.1		104.0	26,000	31,000	85	68.4		111.6	20,000	24,000
80	67.4		102.0	23,000	28,000	90	66.9		109.5	18,200	21,000
85	66.0		100.0	21,000	25,000	95	65.5		107.2	14,000	18,000
88	64.4		100.0	19,000	23,000	100	64.0		104.9	14,000	17,000
90	62.8		99.0	17,000	20,000	108	62.4		100.4	13,100	16,000
100	61.2		102.4	15,000	18,000	110	61.1		109.7	11,000	14,100
105	59.4		100.5	14,000	17,000	115	59.8		106.9	10,000	13,000
110	57.6		98.8	12,000	15,000	120	58.5		104.1	9,000	12,000
115	56.1		97.3	11,000	14,000	125	56.5		100.6	8,400	11,000
120	54.4		100.0	10,000	13,000	130	55.2		107.2	7,000	9,000
125	52.7		100.0	9,000	12,000	135	53.3		103.6	6,000	8,000
130	50.8		103.2	8,000	10,000	140	51.7		109.8	5,000	7,000
135	49.0		102.0	7,000	9,000	145	49.0		104.7	5,100	7,000
140	47.2		100.5	6,000	8,000	150	46.2		101.4	4,400	6,000
145	45.0		100.0	6,100	8,200	155	46.5		106.6	4,000	5,700
155	43.0		103.4	5,000	7,000	160	44.7		103.8	3,100	4,000
160	41.8		102.0	4,000	6,700	165	42.8		101.7	3,000	4,000
165	39.8		100.0	4,000	6,100						
165	36.5		100.0	3,000	5,100						
170	34.7		100.0	3,000	4,900						
175	32.5		100.0	3,000	4,500						
200	28.1		104.6	88,000	95,000	38	81.0		124.4	73,000	80,000
200	28.6		104.6	74,000	87,000	40	80.0		123.0	68,000	80,000
200	29.0		103.0	68,000	80,000	42	79.4		121.0	63,000	81,000
200	29.4		101.0	62,000	77,000	44	78.8		119.0	58,000	77,000
200	29.8		99.0	56,000	70,000	46	78.2		117.0	53,000	72,000
200	30.2		97.0	50,000	63,000	48	77.6		115.0	48,000	67,000
200	30.6		95.0	44,000	56,000	50	77.0		113.0	43,000	62,000
200	31.0		93.0	38,000	49,000	52	76.4		111.0	38,000	57,000
200	31.4		91.0	32,000	42,000	54	75.8		109.0	33,000	52,000
200	31.8		89.0	26,000	35,000	56	75.2		107.0	28,000	47,000
200	32.2		87.0	20,000	28,000	58	74.6		105.0	23,000	42,000
200	32.6		85.0	14,000	21,000	60	74.0		103.0	18,000	37,000
200	33.0		83.0	8,000	14,000	62	73.4		101.0	13,000	32,000
200	33.4		81.0	2,000	7,000	64	72.8		99.0	8,000	27,000
200	33.8		79.0	2,000	7,000	66	72.2		97.0	7,000	26,000
200	34.2		77.0	2,000	7,000	68	71.6		95.0	6,000	25,000
200	34.6		75.0	2,000	7,000	70	71.0		93.0	5,000	24,000
200	35.0		73.0	2,000	7,000	72	70.4		91.0	4,000	23,000
200	35.4		71.0	2,000	7,000	74	69.8		89.0	3,000	22,000
200	35.8		69.0	2,000	7,000	76	69.2		87.0	2,000	21,000
200	36.2		67.0	2,000	7,000	78	68.6		85.0	2,000	20,000
200	36.6		65.0	2,000	7,000	80	68.0		83.0	2,000	19,000
200	37.0		63.0	2,000	7,000	82	67.4		81.0	2,000	18,000
200	37.4		61.0	2,000	7,000	84	66.8		79.0	2,000	17,000
200	37.8		59.0	2,000	7,000	86	66.2		77.0	2,000	16,000
200	38.2		57.0	2,000	7,000	88	65.6		75.0	2,000	15,000
200	38.6		55.0	2,000	7,000	90	65.0		73.0	2,000	14,000
200	39.0		53.0	2,000	7,000	92	64.4		71.0	2,000	13,000
200	39.4		51.0	2,000	7,000	94	63.8		69.0	2,000	12,000
200	39.8		49.0	2,000	7,000	96	63.2		67.0	2,000	11,000
200	40.2		47.0	2,000	7,000	98	62.6		65.0	2,000	10,000
200	40.6		45.0	2,000	7,000	100	62.0		63.0	2,000	9,000
200	41.0		43.0	2,000	7,000	102	61.4		61.0	2,000	8,000
200	41.4		41.0	2,000	7,000	104	60.8		59.0	2,000	7,000
200	41.8		39.0	2,000	7,000	106	60.2		57.0	2,000	6,000
200	42.2		37.0	2,000	7,000	108	59.6		55.0	2,000	5,000
200	42.6		35.0	2,000	7,000	110	59.0		53.0	2,000	4,000
200	43.0		33.0	2,000	7,000	112	58.4		51.0	2,000	3,000
200	43.4		31.0	2,000	7,000	114	57.8		49.0	2,000	2,000
200	43.8		29.0	2,000	7,000	116	57.2		47.0	2,000	1,000
200	44.2		27.0	2,000	7,000	118	56.6		45.0	2,000	1,000
200	44.6		25.0	2,000	7,000	120	56.0		43.0	2,000	1,000
200	45.0		23.0	2,000	7,000	122	55.4		41.0	2,000	1,000
200	45.4		21.0	2,000	7,000	124	54.8		39.0	2,000	1,000
200	45.8		19.0	2,000	7,000	126	54.2		37.0	2,000	1,000
200	46.2		17.0	2,000	7,000	128	53.6		35.0	2,000	1,000
200	46.6		15.0	2,000	7,000	130	53.0		33.0	2,000	1,000
200	47.0		13.0	2,000	7,000	132	52.4		31.0	2,000	1,000
200	47.4		11.0	2,000	7,000	134	51.8		29.0	2,000	1,000
200	47.8		9.0	2,000	7,000	136	51.2		27.0	2,000	1,000
200	48.2		7.0	2,000	7,000	138	50.6		25.0	2,000	1,000
200	48.6		5.0	2,000	7,000	140	50.0		23.0	2,000	1,000
200	49.0		3.0	2,000	7,000	142	49.4		21.0	2,000	1,000
200	49.4		1.0	2,000	7,000	144	48.8		19.0	2,000	1,000
200	49.8		0.0	2,000	7,000	146	48.2		17.0	2,000	1,000
200	50.2		0.0	2,000	7,000	148	47.6		15.0	2,000	1,000
200	50.6		0.0	2,000	7,000	150	47.0		13.0	2,000	1,000
200	51.0		0.0	2,000	7,000	152	46.4		11.0	2,000	1,000
200	51.4		0.0	2,000	7,000	154	45.8		9.0	2,000	1,000
200	51.8		0.0	2,000	7,000	156	45.2		7.0	2,000	1,000
200	52.2		0.0	2,000	7,000	158	44.6		5.0	2,000	1,000
200	52.6		0.0	2,000	7,000	160	44.0		3.0	2,000	1,000
200	53.0		0.0	2,000	7,000	162	43.4		1.0	2,000	1,000
200	53.4		0.0	2,000	7,000	164	42.8		0.0	2,000	1,000
200	53.8		0.0	2,000	7,000	166	42.2		0.0	2,000	1,000
200	54.2		0.0	2,000	7,000	168	41.6		0.0	2,000	1,000
200	54.6		0.0	2,000	7,000	170	41.0		0.0	2,000	1,000
200	55.0		0.0	2,000	7,000	172	40.4		0.0	2,000	1,000
200	55.4		0.0	2,000	7,000	174	39.8		0.0	2,000	1,000
200	55.8		0.0	2,000	7,000	176	39.2		0.0	2,000	1,000
200	56.2		0.0	2,000	7,000	178	38.6		0.0	2,000	1,000
200	56.6		0.0	2,000	7,000	180	38.0		0.0	2,000	1,000
200	57.0		0.0	2,000	7,000	182	37.4		0.0	2,000	1,000
200	57.4		0.0	2,000	7,000	184	36.8		0.0	2,000	1,000
200	57.8		0.0	2,000	7,000	186	36.2		0.0	2,000	1,000
200	58.2		0.0	2,000	7,000	188	35.6		0.0	2,000	1,000
200	58.6		0.0	2,000	7,000	190	35.0		0.0	2,000	1,000
200	59.0		0.0	2,000	7,000	192	34.4		0.0	2,000	1,000
200	59.4		0.0	2,000	7,000	194	33.8		0.0	2,000	1,000
200	59.8		0.0	2,000	7,000	196	33.2		0.0	2,000	1,000
200	60.2		0.0	2,000	7,000	198	32.6		0.0	2,000	1,000
200	60.6		0.0	2,000	7,000	200	32.0		0.0	2,000	1,000



# 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**

**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 degradation.

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.

JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS: FEET	
	BOOM LENGTH — FEET											
	118	120	130	140	150	160	170	180	190	200		
50*	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	50*
70	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	70
80	32,400	32,400	32,400	32,400	32,400	32,400	32,400	32,400	32,400	32,400	32,400	80
90	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	90
100	28,100	28,100	28,100	28,100	28,100	28,100	28,100	28,100	28,100	28,100	28,100	100
110	26,300	26,300	26,300	26,300	26,300	26,300	26,300	26,300	26,300	26,300	26,300	110
120	24,600	24,600	24,600	24,600	24,600	24,600	24,600	24,600	24,600	24,600	24,600	120
130	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	130
140	21,500	21,500	21,500	21,500	21,500	21,500	21,500	21,500	21,500	21,500	21,500	140
150	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	150

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*
90	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	28,000	90
100	26,300	26,300	26,300	26,300	26,300	26,300	26,300	26,300	26,300	26,300	26,300	100
110	24,600	24,600	24,600	24,600	24,600	24,600	24,600	24,600	24,600	24,600	24,600	110
120	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	120
130	21,500	21,500	21,500	21,500	21,500	21,500	21,500	21,500	21,500	21,500	21,500	130
140	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	140
150	18,500	18,500	18,500	18,500	18,500	18,500	18,500	18,500	18,500	18,500	18,500	150

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*
110	18,500	18,500	18,500	18,500	18,500	18,500	18,500	18,500	18,500	18,500	18,500	110
120	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	120
130	15,500	15,500	15,500	15,500	15,500	15,500	15,500	15,500	15,500	15,500	15,500	130
140	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	140
150	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	150
160	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	160

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	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	130
135	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	135
140	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	140
145	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	145
150	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	150
155	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	155
160	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	160

\* These capacities apply for ALL lesser radii obtainable.

Form No. 6295-C, 3-18-75/GA

# JIB LIFTING CAPACITIES

MEETS  
ANSI B30.3  
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, WRC is 28,300 lbs./line.

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*	40,000	32,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	60*
61	40,000	32,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	61
62	35,500	28,500	35,500	33,500	33,500	33,500	33,500	33,500	33,500	33,500	33,500	62
63	35,500	28,500	35,500	33,500	33,500	33,500	33,500	33,500	33,500	33,500	33,500	63
64	32,400	31,700	21,400	30,800	30,300	29,700	29,200	28,600	28,100	27,500	27,000	64
65	29,700	29,000	28,700	28,100	27,500	26,900	26,300	25,700	25,100	24,500	24,000	65
66	27,300	26,000	25,300	24,700	24,100	23,500	22,900	22,300	21,700	21,100	20,500	66
67	25,200	24,500	24,200	23,600	23,000	22,400	21,800	21,200	20,600	20,000	19,400	67
100	23,300	22,600	22,300	21,700	21,100	20,500	19,900	19,300	18,700	18,100	17,500	100
110	20,100	19,400	19,100	18,500	17,900	17,300	16,700	16,100	15,500	14,900	14,300	110
120	17,900	17,200	16,900	16,300	15,700	15,100	14,500	13,900	13,300	12,700	12,100	120
130		14,600	14,300	13,700	13,100	12,500	11,900	11,300	10,700	10,100	9,500	130
140			12,400	11,800	11,200	10,600	10,000	9,400	8,800	8,200	7,600	140
150				10,200	9,600	9,000	8,400	7,800	7,200	6,600	6,000	150
160					8,200	7,600	7,000	6,400	5,800	5,200	4,600	160
170						8,400	7,800	7,200	6,600	6,000	5,400	170

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*	30,000	26,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	75*
80	30,000	26,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	80
85	25,500	23,500	29,000	29,000	29,000	29,000	29,000	29,000	29,000	29,000	29,000	85
90	21,000	20,500	26,000	25,500	25,500	25,500	25,500	25,500	25,500	25,500	25,500	90
95	21,400	24,800	34,500	33,800	33,200	32,700	32,100	31,500	31,000	30,500	30,000	95
100	17,600	23,800	31,500	30,800	30,200	29,600	29,000	28,400	27,800	27,200	26,600	100
110	14,500	19,700	26,500	25,800	25,200	24,600	24,000	23,400	22,800	22,200	21,600	110
120	11,700	17,100	22,500	21,800	21,200	20,600	20,000	19,400	18,800	18,200	17,600	120
130	15,600	14,800	14,000	13,200	12,400	11,600	10,800	10,000	9,200	8,400	7,600	130
140		13,000		12,100	11,300	10,500	9,700	8,900	8,100	7,300	6,500	140
150				10,500	9,700	8,900	8,100	7,300	6,500	5,700	4,900	150
160					8,100	7,300	6,500	5,700	4,900	4,100	3,300	160
170						7,300	6,500	5,700	4,900	4,100	3,300	170
180							6,500	5,700	4,900	4,100	3,300	180

JIB POINT RADIUS - FEET	CAPACITIES IN POUNDS										JIB POINT RADIUS - FEET	
	BOOM LENGTH - FEET											
	110	120	130	140	150	160	170	180	190	200		
95*	30,000	26,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	95*
100	20,000	18,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	100
105	25,000	23,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	105
110	20,000	18,000	19,700	19,100	18,500	17,900	17,300	16,700	16,100	15,500	14,900	110
120	18,000	17,400	17,000	16,400	15,800	15,200	14,600	14,000	13,400	12,800	12,200	120
130	15,800	15,200	14,800	14,200	13,600	13,000	12,400	11,800	11,200	10,600	10,000	130
140	14,000	13,400	13,000	12,400	11,800	11,200	10,600	10,000	9,400	8,800	8,200	140
150		11,700	11,400	10,800	10,200	9,600	9,000	8,400	7,800	7,200	6,600	150
160			10,000		9,300	8,700	8,100	7,500	6,900	6,300	5,700	160
170				8,100	7,500	6,900	6,300	5,700	5,100	4,500	3,900	170
180					6,300	5,700	5,100	4,500	3,900	3,300	2,700	180
190						5,100	4,500	3,900	3,300	2,700	2,100	190

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*
140	10,000	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	10,000	10,000	10,000	10,000	145
150	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	150
155		10,000	10,000	10,000	9,700	9,400	9,100	8,800	8,500	8,200	7,900	155
160		10,000	10,000	10,000	9,700	9,400	9,100	8,800	8,500	8,200	7,900	160
165			9,300	8,900	8,500	8,100	7,700	7,300	6,900	6,500	6,100	165
170			8,900	8,500	8,100	7,700	7,300	6,900	6,500	6,100	5,700	170
185				7,200	6,800	6,400	6,000	5,600	5,200	4,800	4,400	185
190					6,400	6,000	5,600	5,200	4,800	4,400	4,000	190

\* These capacities apply for ALL lower radii obtainable.

