

Liftcrane Boom Capacities

Boom No. 84 With Open Throat Top
98,500 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

Meets
ANSI B30.5
Requirements

555 SERIES 2

LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load over end of machine with crawlers blocked. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 10,000 Lb. minimum weight. *To maintain boom and mast stability at high boom angles, a minimum of 4 parts hoist line is required when using rear drum on 60 Ft. thru 80 Ft. boom lengths.*

Upper boom point capacity for liftcrane service with single part whip line is 30,000 Lbs. When boom butt mounted auxiliary drum equipped for 26 mm wire rope is used, capacity with single part whip line is 20,000 Lbs. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

Weight of upper boom point, jib, all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of 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 uniformly supporting surface. Drive and idler tumblers must be properly blocked so that centerline of tumblers becomes tipping fulcrum. Swing is limited to that sector shown on Operating Range Diagram No. 8448-A. Refer to boom rigging No. A03931 and Wire Rope Specification chart No. 8482-A. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind

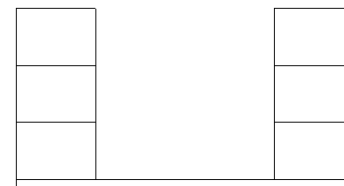
conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is 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 is vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 23 Ft. 10 in. crawlers, 48 in. treads, 23 Ft. live mast, 16 part boom hoist reeving, boom support straps, rotating bed No. A01066¹ or No. A03188 (refer to I.D. plate at front of rotating bed), 98,500 Lb. crane counterweight and two 22,000 Lb. carbody counterweights.

¹WARNING: 1,250 Lb. front counterweight is required for cranes with rotating bed No. A01066 that do not have free-fall option. Counterweight can be removed only if crane has free-fall option on both front and rear drums.



98,500 Lb. Crane Counterweight
6 Side Boxes

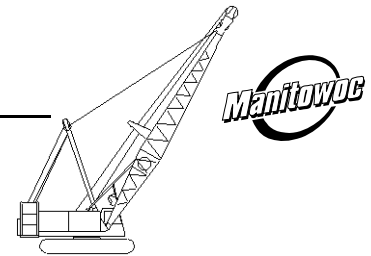
Maximum Boom and Jib Lengths Lifted Unassisted Over End of Blocked Crawlers	
Boom Length	Jib No. 134
(a) 250 Ft.	—
240 Ft.	—
230 Ft.	—
220 Ft.	40 Ft.
210 Ft.	60 Ft.
200 Ft.	80 Ft.
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be attached on 250 Ft. boom.	

Upper Boom Point Deduct
Deduct 1,300 Lbs. from capacities when upper boom point is attached.

Load Sensor Deduct
Deduct 625 Lbs. from boom capacities when load sensor sheaves and 3 load lines are attached.

Deduct From Capacities When Jib Is Attached	
Jib Length	Jib No. 134
30 Ft.	3,900 Lbs.
40 Ft.	4,700 Lbs.
50 Ft.	5,600 Lbs.
60 Ft.	6,600 Lbs.
70 Ft.	7,600 Lbs.
80 Ft.	8,700 Lbs.

Consult jib chart for jib capacities. Upper boom point, third load line and load sensor sheaves for third load line must be removed when jib is attached.



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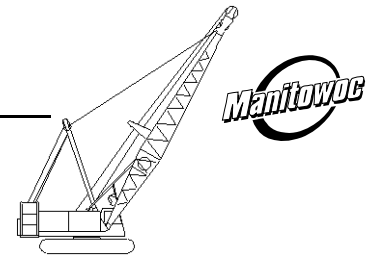
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555 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
60 Ft. Boom			
14	81.4	65.4	300,000 *b
15	80.4	65.2	299,600 *b
16	79.4	65.0	282,000 *b
17	78.5	64.8	266,300 *b
18	77.5	64.6	252,200 *b
19	76.5	64.4	239,500 *b
20	75.5	64.2	228,000 *b
22	73.5	63.6	207,900 *b
24	71.5	63.0	190,900 *b
26	69.5	62.3	176,300 *b
28	67.5	61.5	163,600 *
30	65.4	60.6	151,800 *
32	63.3	59.6	141,400 *
34	61.1	58.6	132,300 *
36	58.9	57.4	124,200 *
38	56.6	56.2	115,700 *
40	54.3	54.8	107,400 *
45	48.2	50.8	90,700 *
50	41.4	45.7	78,200 *
55	33.6	39.2	68,400 *
60	23.6	30.0	60,600 *
70 Ft. Boom			
15	81.8	75.3	281,000 *b
16	81.0	75.2	276,000 *b
17	80.1	75.0	266,100 *b
18	79.3	74.8	252,000 *b
19	78.5	74.6	239,300 *b
20	77.6	74.4	227,800 *b
22	75.9	74.0	207,700 *b
24	74.3	73.4	190,700 *b
26	72.5	72.8	176,100 *b
28	70.8	72.2	163,400 *
30	69.1	71.4	151,800 *
32	67.3	70.6	141,400 *
34	65.5	69.8	132,200 *
36	63.7	68.8	124,100 *
38	61.9	67.8	116,000 *
40	60.0	66.7	107,600 *
45	55.2	63.5	90,900 *
50	50.0	59.7	78,400 *
55	44.4	55.0	68,700 *
60	38.2	49.3	60,900 *
65	31.0	42.1	54,500 *
70	21.8	32.0	49,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. Boom			
17	81.4	85.2	248,900 *b
18	80.6	85.0	244,300 *b
19	79.9	84.8	239,000 *b
20	79.2	84.6	227,500 *b
22	77.7	84.2	207,400 *b
24	76.3	83.8	190,400 *b
26	74.8	83.2	175,700 *b
28	73.3	82.7	163,100 *
30	71.8	82.1	151,600 *
32	70.3	81.4	141,200 *
34	68.7	80.6	132,000 *
36	67.2	79.8	123,900 *
38	65.6	78.9	116,100 *
40	64.1	78.0	107,700 *
45	60.0	75.3	91,000 *
50	55.8	72.2	78,500 *
55	51.3	68.5	68,700 *
60	46.6	64.2	60,900 *
65	41.4	59.0	54,600 *
70	35.7	52.7	49,200 *
75	29.0	44.8	44,700 *
80	20.4	33.9	40,700 *
90 Ft. Boom			
18	81.7	95.1	234,200 *b
19	81.1	95.0	230,000 *b
20	80.4	94.8	225,800 *b
22	79.1	94.4	207,100 *b
24	77.8	94.0	190,000 *b
26	76.5	93.6	175,400 *
28	75.2	93.1	162,700 *
30	73.9	92.5	151,400 *
32	72.5	91.9	141,000 *
34	71.2	91.2	131,800 *
36	69.9	90.5	123,800 *
38	68.5	89.8	116,000 *
40	67.1	89.0	107,700 *
45	63.6	86.7	91,000 *
50	60.0	84.0	78,500 *
55	56.3	80.9	68,700 *
60	52.3	77.3	60,900 *
65	48.2	73.1	54,600 *
70	43.8	68.3	49,200 *
75	38.9	62.6	44,700 *
80	33.6	55.8	40,800 *
85	27.3	47.3	37,500 *
90	19.2	35.6	34,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. Boom			
19	82.0	105.1	211,500 *b
20	81.4	104.9	208,000 *b
22	80.2	104.6	201,200 *b
24	79.0	104.2	189,500 *b
26	77.9	103.8	174,900 *
28	76.7	103.4	162,200 *
30	75.5	102.9	151,100 *
32	74.3	102.3	140,700 *
34	73.1	101.7	131,500 *
36	71.9	101.1	123,500 *
38	70.7	100.4	116,000 *
40	69.5	99.7	107,600 *
45	66.4	97.7	90,900 *
50	63.3	95.3	78,300 *
55	60.0	92.7	68,600 *
60	56.6	89.6	60,800 *
65	53.1	86.1	54,400 *
70	49.5	82.1	49,100 *
75	45.6	77.5	44,600 *
80	41.4	72.2	40,700 *
85	36.9	66.1	37,400 *
90	31.8	58.7	34,400 *
95	25.8	49.6	31,800 *
100	18.2	37.3	29,400 *
110 Ft. Boom			
22	81.1	114.7	190,000 *b
24	80.1	114.4	183,900 *b
26	79.0	114.0	174,800 *
28	77.9	113.6	162,100 *
30	76.9	113.2	151,000 *
32	75.8	112.7	140,600 *
34	74.7	112.2	131,500 *
36	73.6	111.6	123,400 *
38	72.5	111.0	116,000 *
40	71.4	110.3	107,600 *
45	68.7	108.5	90,900 *
50	65.9	106.4	78,400 *
55	63.0	104.0	68,600 *
60	60.0	101.3	60,800 *
65	56.9	98.2	54,500 *
70	53.8	94.8	49,100 *
75	50.5	90.9	44,600 *
80	47.0	86.5	40,800 *
85	43.3	81.6	37,400 *
90	39.4	75.9	34,500 *
95	35.1	69.3	31,900 *
100	30.3	61.5	29,600 *
105	24.6	51.9	27,500 *
110	17.3	38.8	25,600 *



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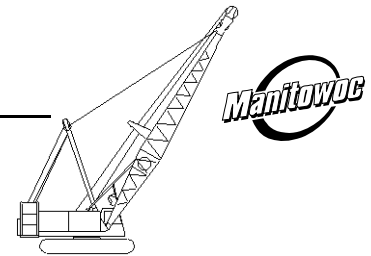
Meets
ANSI B30.5
Requirements

555 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. Boom			
22	81.9	124.8	182,000 *
24	80.9	124.5	176,200 *
26	79.9	124.2	170,700 *
28	78.9	123.8	161,600 *
30	78.0	123.4	150,500 *
32	77.0	123.0	140,300 *
34	76.0	122.5	131,200 *
36	75.0	122.0	123,100 *
38	74.0	121.4	115,900
40	73.0	120.8	107,500
45	70.5	119.2	90,700
50	68.0	117.3	78,200
55	65.4	115.1	68,400
60	62.7	112.7	60,600
65	60.0	110.0	54,200
70	57.2	106.9	48,900
75	54.3	103.5	44,400
80	51.3	99.7	40,600
85	48.2	95.5	37,200
90	44.9	90.8	34,300
95	41.4	85.4	31,700
100	37.7	79.4	29,400
105	33.6	72.4	27,300
110	29.0	64.2	25,400
115	23.6	54.0	23,700
120	16.6	40.3	22,100
130 Ft. Boom			
24	81.6	134.7	168,000 *
26	80.7	134.3	163,200 *
28	79.8	134.0	158,400 *
30	78.9	133.6	150,200 *
32	78.0	133.2	140,000 *
34	77.1	132.8	130,900 *
36	76.2	132.3	122,800 *
38	75.3	131.8	115,600 *
40	74.4	131.2	107,400
45	72.1	129.7	90,600
50	69.7	128.0	78,000
55	67.4	126.1	68,300
60	65.0	123.8	60,500
65	62.5	121.4	54,100
70	60.0	118.6	48,800
75	57.4	115.6	44,300
80	54.8	112.2	40,400
85	52.0	108.5	37,000
90	49.2	104.4	34,100
95	46.2	99.9	31,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. Boom			
100	43.0	94.8	29,200
105	39.7	89.1	27,100
110	36.1	82.7	25,300
115	32.2	75.3	23,600
120	27.8	66.7	22,000
125	22.6	56.0	20,600
130	15.9	41.8	19,300
140 Ft. Boom			
26	81.4	144.5	151,000 *
28	80.5	144.1	146,800 *
30	79.7	143.8	142,700 *
32	78.9	143.4	138,600 *
34	78.0	143.0	130,500 *
36	77.2	142.6	122,400 *
38	76.4	142.1	115,200 *
40	75.5	141.6	107,100
45	73.4	140.2	90,300
50	71.3	138.6	77,800
55	69.1	136.8	68,000
60	66.9	134.8	60,200
65	64.6	132.5	53,800
70	62.3	130.1	48,400
75	60.0	127.3	43,900
80	57.6	124.3	40,100
85	55.2	120.9	36,700
90	52.6	117.3	33,800
95	50.0	113.3	31,200
100	47.3	108.9	28,900
105	44.4	104.0	26,800
110	41.4	98.7	25,000
115	38.2	92.7	23,300
120	34.8	85.9	21,700
125	31.0	78.2	20,300
130	26.8	69.1	19,000
135	21.8	58.0	17,800
140	15.4	43.1	16,700
150 Ft. Boom			
26	82.0	154.6	143,200 *
28	81.2	154.3	139,300 *
30	80.4	153.9	135,500 *
32	79.6	153.6	131,900 *
34	78.9	153.2	128,300 *
36	78.1	152.8	122,300 *
38	77.3	152.4	115,100 *
40	76.5	151.9	107,000
45	74.5	150.6	90,200
50	72.5	149.1	77,600
55	70.5	147.5	67,900
60	68.5	145.6	60,000
65	66.4	143.5	53,700
70	64.3	141.2	48,300
75	62.2	138.7	43,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. Boom			
80	60.0	136.0	40,000
85	57.8	132.9	36,600
90	55.5	129.6	33,700
95	53.1	126.1	31,100
100	50.7	122.1	28,800
105	48.2	117.9	26,700
110	45.6	113.2	24,900
115	42.8	108.0	23,200
120	39.9	102.4	21,600
125	36.9	96.1	20,200
130	33.6	89.0	18,900
135	29.9	80.9	17,800
140	25.8	71.4	16,700
145	21.0	59.9	15,600
160 Ft. Boom			
28	81.7	164.4	129,500 *
30	81.0	164.1	126,000 *
32	80.3	163.8	122,600 *
34	79.6	163.4	119,400 *
36	78.8	163.0	116,200 *
38	78.1	162.6	113,100 *
40	77.4	162.2	106,800
45	75.5	161.0	90,000
50	73.7	159.6	77,400
55	71.8	158.0	67,600
60	69.9	156.3	59,800
65	68.0	154.4	53,400
70	66.0	152.2	48,100
75	64.1	149.9	43,500
80	62.0	147.4	39,700
85	60.0	144.6	36,300
90	57.9	141.6	33,400
95	55.8	138.3	30,800
100	53.6	134.8	28,500
105	51.3	130.9	26,400
110	49.0	126.8	24,600
115	46.6	122.2	22,900
120	44.0	117.3	21,300
125	41.4	111.9	19,900
130	38.6	105.9	18,700
135	35.7	99.3	17,500
140	32.5	91.9	16,400
145	29.0	83.5	15,300
150	25.0	73.7	14,400
155	20.4	61.7	13,500



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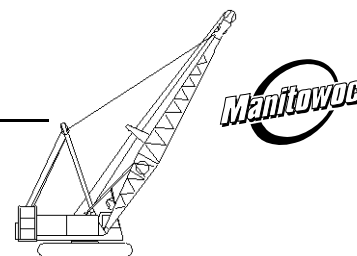
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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
30	81.5	174.2	119,300 *
32	80.9	173.9	116,200 *
34	80.2	173.6	113,100 *
36	79.5	173.2	110,100 *
38	78.8	172.8	107,300 *
40	78.1	172.4	104,500 *
45	76.4	171.3	89,800
50	74.7	170.0	77,200
55	72.9	168.5	67,400
60	71.1	166.9	59,500
65	69.3	165.1	53,100
70	67.5	163.1	47,800
75	65.7	161.0	43,300
80	63.8	158.6	39,400
85	61.9	156.1	36,100
90	60.0	153.3	33,100
95	58.0	150.3	30,500
100	56.0	147.0	28,200
105	54.0	143.5	26,200
110	51.9	139.7	24,300
115	49.7	135.7	22,600
120	47.4	131.2	21,100
125	45.1	126.5	19,700
130	42.7	121.3	18,400
135	40.1	115.6	17,200
140	37.4	109.4	16,100
145	34.6	102.5	15,100
150	31.5	94.8	14,200
155	28.1	86.1	13,300
160	24.2	75.9	12,500
165	19.7	63.5	11,700
180 Ft. Boom			
30	82.0	184.3	113,100 *
32	81.4	184.0	110,200 *
34	80.7	183.7	107,300 *
36	80.1	183.4	104,600 *
38	79.4	183.0	101,800 *
40	78.8	182.6	99,200 *
45	77.2	181.6	89,500
50	75.5	180.3	76,900
55	73.9	179.0	67,100
60	72.2	177.4	59,300
65	70.5	175.8	52,900
70	68.8	173.9	47,500
75	67.1	171.9	43,000
80	65.4	169.7	39,100
85	63.6	167.3	35,800
90	61.8	164.7	32,800
95	60.0	161.9	30,200
100	58.1	158.9	27,900
105	56.3	155.7	25,800
110	54.3	152.2	24,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. Boom			
115	52.3	148.5	22,300
120	50.3	144.5	20,800
125	48.2	140.2	19,400
130	46.0	135.6	18,100
135	43.8	130.6	16,900
140	41.4	125.1	15,800
145	38.9	119.2	14,800
150	36.3	112.7	13,800
155	33.6	105.6	13,000
160	30.6	97.6	12,100
165	27.3	88.5	11,400
170	23.6	78.0	10,600
175	19.2	65.2	9,900
190 Ft. Boom			
32	81.8	194.1	99,000 *
34	81.2	193.8	98,400 *
36	80.6	193.5	95,900 *
38	80.0	193.2	93,400 *
40	79.4	192.8	91,000 *
45	77.8	191.8	85,300 *
50	76.3	190.6	76,700
55	74.7	189.4	66,900
60	73.2	187.9	59,100
65	71.6	186.3	52,600
70	70.0	184.6	47,300
75	68.4	182.7	42,800
80	66.8	180.6	38,900
85	65.1	178.4	35,600
90	63.4	176.0	32,600
95	61.7	173.4	30,000
100	60.0	170.6	27,700
105	58.2	167.6	25,700
110	56.5	164.4	23,800
115	54.6	161.0	22,100
120	52.8	157.3	20,600
125	50.8	153.4	19,200
130	48.9	149.1	17,900
135	46.8	144.6	16,700
140	44.7	139.7	15,600
145	42.5	134.5	14,600
150	40.3	128.8	13,700
155	37.9	122.7	12,800
160	35.3	115.9	12,000
165	32.6	108.5	11,200
170	29.7	100.3	10,500
175	26.5	90.9	9,800
180	22.9	80.0	9,100
185	18.7	66.9	8,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. Boom			
34	81.7	203.9	93,100 *
36	81.1	203.6	90,700 *
38	80.5	203.3	88,400 *
40	79.9	203.0	86,100 *
45	78.5	202.0	80,700 *
50	77.0	200.9	75,600 *
55	75.5	199.7	66,600
60	74.0	198.3	58,800
65	72.5	196.8	52,400
70	71.0	195.2	47,000
75	69.5	193.4	42,500
80	68.0	191.5	38,600
85	66.4	189.4	35,200
90	64.8	187.1	32,300
95	63.3	184.7	29,700
100	61.6	182.1	27,400
105	60.0	179.3	25,300
110	58.3	176.3	23,500
115	56.6	173.1	21,800
120	54.9	169.7	20,200
125	53.1	166.1	18,900
130	51.3	162.2	17,600
135	49.5	158.0	16,400
140	47.5	153.6	15,300
145	45.6	148.9	14,300
150	43.5	143.8	13,300
155	41.4	138.3	12,500
160	39.2	132.4	11,600
165	36.9	126.1	10,900
170	34.4	119.1	10,100
175	31.8	111.4	9,500
180	29.0	102.9	8,800
185	25.8	93.2	8,200
190	22.3	82.1	7,600
195	18.2	68.5	7,100



Liftcrane Boom Capacities

Boom No. 84 With Open Throat Top
98,500 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

Meets
 ANSI B30.5
 Requirements

555 SERIES 2

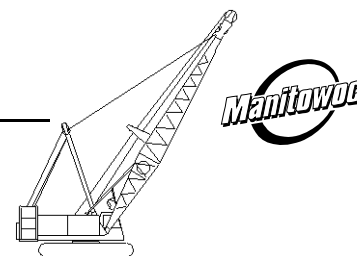
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. Boom			
36	81.5	213.7	85,500 *
38	81.0	213.4	83,300 *
40	80.4	213.1	81,200 *
45	79.0	212.2	76,200 *
50	77.6	211.2	71,300 *
55	76.2	210.0	66,400
60	74.8	208.7	58,500
65	73.4	207.3	52,100
70	72.0	205.7	46,700
75	70.5	204.0	42,200
80	69.1	202.2	38,300
85	67.6	200.2	35,000
90	66.1	198.1	32,000
95	64.6	195.8	29,400
100	63.1	193.3	27,100
105	61.6	190.7	25,000
110	60.0	187.9	23,200
115	58.4	184.9	21,500
120	56.8	181.8	20,000
125	55.2	178.4	18,600
130	53.5	174.8	17,300
135	51.8	171.0	16,100
140	50.0	166.9	15,000
145	48.2	162.6	14,000
150	46.3	158.0	13,000
155	44.4	153.0	12,200
160	42.4	147.7	11,400
165	40.4	142.1	10,600
170	38.2	136.0	9,900
175	36.0	129.3	9,200
180	33.6	122.1	8,500
185	31.0	114.2	7,900
190	28.2	105.4	7,400
195	25.2	95.5	6,800
200	21.8	84.0	6,300
205	17.8	70.1	5,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. Boom			
36	81.9	223.9	80,600 *
38	81.4	223.6	78,600 *
40	80.8	223.2	76,700 *
45	79.5	222.4	71,900 *
50	78.2	221.4	67,400 *
55	76.9	220.3	63,100 *
60	75.5	219.1	58,200
65	74.2	217.7	51,800
70	72.8	216.2	46,400
75	71.4	214.6	41,900
80	70.1	212.9	38,000
85	68.7	211.0	34,600
90	67.3	209.0	31,700
95	65.9	206.8	29,100
100	64.4	204.5	26,800
105	63.0	202.0	24,700
110	61.5	199.4	22,800
115	60.0	196.6	21,100
120	58.5	193.6	19,600
125	56.9	190.4	18,200
130	55.4	187.1	16,900
135	53.8	183.5	15,700
140	52.1	179.8	14,700
145	50.5	175.8	13,600
150	48.8	171.5	12,700
155	47.0	167.0	11,800
160	45.2	162.2	11,000
165	43.3	157.1	10,200
170	41.4	151.6	9,500
175	39.4	145.7	8,800
180	37.3	139.4	8,200
185	35.1	132.5	7,600
190	32.8	125.1	7,000
195	30.3	117.0	6,500
200	27.6	107.9	6,000
205	24.6	97.7	5,200 *
210	21.3	85.9	4,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. Boom			
38	81.8	233.7	77,900 *
40	81.2	233.4	77,500 *
45	80.0	232.6	76,400 *
50	78.7	231.6	74,600 *
55	77.4	230.6	65,800
60	76.2	229.4	57,900
65	74.9	228.1	51,500
70	73.6	226.7	46,100
75	72.3	225.1	41,600
80	71.0	223.5	37,700
85	69.6	221.7	34,300
90	68.3	219.8	31,400
95	67.0	217.7	28,800
100	65.6	215.5	26,500
105	64.2	213.2	24,400
110	62.8	210.7	22,600
115	61.4	208.0	20,900
120	60.0	205.2	19,300
125	58.6	202.3	17,900
130	57.1	199.1	16,700
135	55.6	195.8	15,500
140	54.1	192.3	14,400
145	52.5	188.5	13,400
150	50.9	184.6	12,400
155	49.3	180.4	11,600
160	47.6	176.0	10,700
165	45.9	171.3	10,000
170	44.2	166.3	9,300
175	42.3	161.0	8,600
180	40.5	155.3	7,900
185	38.5	149.2	7,300
190	36.5	142.7	6,800
195	34.3	135.7	6,200
200	32.0	128.0	5,700
205	29.6	119.6	5,200
210	27.0	110.3	4,800
215	24.1	99.9	4,300

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

Boom No. 84 With Open Throat Top
98,500 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

Meets
ANSI B30.5
Requirements

555 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. Boom			
40	81.6	243.5	66,000 *
45	80.4	242.7	66,000 *
50	79.2	241.8	66,000 *
55	78.0	240.8	64,700 *
60	76.8	239.7	57,600
65	75.5	238.4	51,200
70	74.3	237.1	45,800
75	73.0	235.6	41,300
80	71.8	234.0	37,400
85	70.5	232.3	34,000
90	69.3	230.5	31,100
95	68.0	228.5	28,500
100	66.7	226.4	26,100
105	65.4	224.2	24,100
110	64.1	221.9	22,200
115	62.7	219.4	20,500
120	61.4	216.7	19,000
125	60.0	213.9	17,600
130	58.6	210.9	16,300
135	57.2	207.8	15,100
140	55.8	204.5	14,000
145	54.3	201.0	13,000
150	52.8	197.3	12,100
155	51.3	193.4	11,200
160	49.8	189.3	10,400
165	48.2	184.9	9,600
170	46.6	180.3	8,900
175	44.9	175.5	8,200
180	43.2	170.3	7,600
185	41.4	164.8	7,000
190	39.6	158.9	6,400
195	37.7	152.7	5,900
200	35.7	146.0	5,400
205	33.6	138.7	4,900
210	31.3	130.9	4,400
215	29.0	122.2	4,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250 Ft. Boom			
40	82.0	253.6	63,200 *
45	80.8	252.8	62,100 *
50	79.6	252.0	60,200 *
55	78.5	251.0	58,600 *
60	77.3	249.9	56,900 *
65	76.1	248.7	50,900
70	74.9	247.4	45,500
75	73.7	246.1	41,000
80	72.5	244.5	37,100
85	71.3	242.9	33,700
90	70.1	241.2	30,800
95	68.9	239.3	28,200
100	67.7	237.3	25,800
105	66.4	235.2	23,800
110	65.2	232.9	21,900
115	63.9	230.6	20,200
120	62.6	228.0	18,700
125	61.3	225.4	17,300
130	60.0	222.6	16,000
135	58.7	219.6	14,800
140	57.3	216.5	13,700
145	55.9	213.2	12,700
150	54.5	209.7	11,800
155	53.1	206.1	10,900
160	51.7	202.2	10,100
165	50.2	198.1	9,300
170	48.7	193.9	8,600
175	47.2	189.4	7,900
180	45.6	184.6	7,300
185	43.9	179.6	6,700
190	42.3	174.2	6,100
195	40.5	168.5	5,600
200	38.7	162.5	5,100
205	36.9	156.1	4,600
210	34.9	149.1	4,100