

Liftcrane Boom Capacities

Boom No. 84 With Open Throat Top
98,500 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

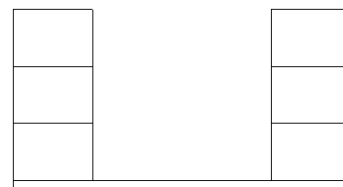
MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8483-A**.

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.

¹**WARNING:** 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		Over Side of Crawlers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134
(a) 250 Ft.	—	220 Ft.	—
240 Ft.	—	210 Ft.	—
230 Ft.	—	200 Ft.	30 Ft.
220 Ft.	40 Ft.	190 Ft.	50 Ft.
210 Ft.	60 Ft.	180 Ft.	80 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.

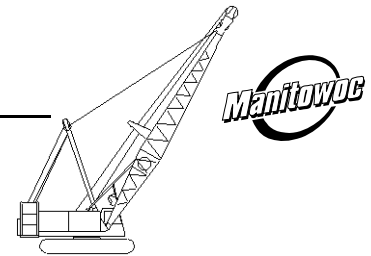
Load Sensor Deduct

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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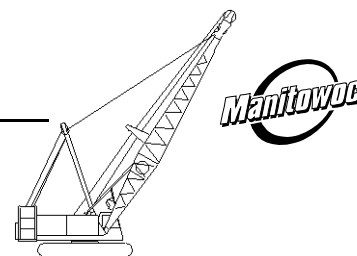
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 Requirements

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	207,500 b
24	71.5	63.0	180,400 b
26	69.5	62.3	159,400 b
28	67.5	61.5	142,500
30	65.4	60.6	128,800
32	63.3	59.6	117,300
34	61.1	58.6	107,600
36	58.9	57.4	99,300
38	56.6	56.2	92,100
40	54.3	54.8	85,800
45	48.2	50.8	73,000
50	41.4	45.7	63,200
55	33.6	39.2	55,500
60	23.6	30.0	49,200
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	180,700 b
26	72.5	72.8	159,600 b
28	70.8	72.2	142,800
30	69.1	71.4	129,000
32	67.3	70.6	117,500
34	65.5	69.8	107,800
36	63.7	68.8	99,500
38	61.9	67.8	92,300
40	60.0	66.7	86,000
45	55.2	63.5	73,200
50	50.0	59.7	63,400
55	44.4	55.0	55,700
60	38.2	49.3	49,500
65	31.0	42.1	44,300
70	21.8	32.0	39,900

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	180,800 b
26	74.8	83.2	159,700 b
28	73.3	82.7	142,900
30	71.8	82.1	129,100
32	70.3	81.4	117,600
34	68.7	80.6	107,900
36	67.2	79.8	99,500
38	65.6	78.9	92,300
40	64.1	78.0	86,000
45	60.0	75.3	73,200
50	55.8	72.2	63,400
55	51.3	68.5	55,700
60	46.6	64.2	49,500
65	41.4	59.0	44,300
70	35.7	52.7	40,000
75	29.0	44.8	36,300
80	20.4	33.9	33,100
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	180,800 b
26	76.5	93.6	159,700
28	75.2	93.1	142,800
30	73.9	92.5	129,000
32	72.5	91.9	117,500
34	71.2	91.2	107,800
36	69.9	90.5	99,500
38	68.5	89.8	92,200
40	67.1	89.0	85,900
45	63.6	86.7	73,100
50	60.0	84.0	63,400
55	56.3	80.9	55,700
60	52.3	77.3	49,400
65	48.2	73.1	44,300
70	43.8	68.3	40,000
75	38.9	62.6	36,300
80	33.6	55.8	33,100
85	27.3	47.3	30,300
90	19.2	35.6	27,900

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	180,800 b
26	77.9	103.8	159,600
28	76.7	103.4	142,700
30	75.5	102.9	128,900
32	74.3	102.3	117,400
34	73.1	101.7	107,700
36	71.9	101.1	99,300
38	70.7	100.4	92,100
40	69.5	99.7	85,800
45	66.4	97.7	73,000
50	63.3	95.3	63,200
55	60.0	92.7	55,500
60	56.6	89.6	49,300
65	53.1	86.1	44,100
70	49.5	82.1	39,800
75	45.6	77.5	36,200
80	41.4	72.2	33,000
85	36.9	66.1	30,200
90	31.8	58.7	27,800
95	25.8	49.6	25,600
100	18.2	37.3	23,600
110 Ft. Boom			
22	81.1	114.7	190,000 *b
24	80.1	114.4	180,800 b
26	79.0	114.0	159,700
28	77.9	113.6	142,800
30	76.9	113.2	128,900
32	75.8	112.7	117,400
34	74.7	112.2	107,700
36	73.6	111.6	99,400
38	72.5	111.0	92,100
40	71.4	110.3	85,800
45	68.7	108.5	73,000
50	65.9	106.4	63,200
55	63.0	104.0	55,500
60	60.0	101.3	49,300
65	56.9	98.2	44,200
70	53.8	94.8	39,900
75	50.5	90.9	36,200
80	47.0	86.5	33,000
85	43.3	81.6	30,300
90	39.4	75.9	27,800
95	35.1	69.3	25,700
100	30.3	61.5	23,800
105	24.6	51.9	22,000
110	17.3	38.8	20,400



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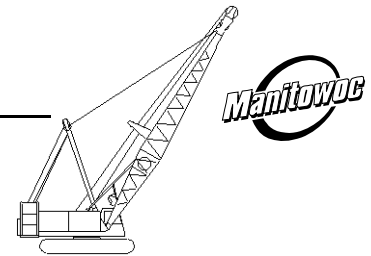
Meets
ANSI B30.5
Requirements

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	159,600
28	78.9	123.8	142,700
30	78.0	123.4	128,800
32	77.0	123.0	117,300
34	76.0	122.5	107,500
36	75.0	122.0	99,200
38	74.0	121.4	91,900
40	73.0	120.8	85,600
45	70.5	119.2	72,800
50	68.0	117.3	63,000
55	65.4	115.1	55,300
60	62.7	112.7	49,100
65	60.0	110.0	43,900
70	57.2	106.9	39,600
75	54.3	103.5	36,000
80	51.3	99.7	32,800
85	48.2	95.5	30,000
90	44.9	90.8	27,600
95	41.4	85.4	25,500
100	37.7	79.4	23,500
105	33.6	72.4	21,800
110	29.0	64.2	20,200
115	23.6	54.0	18,800
120	16.6	40.3	17,500
130 Ft. Boom			
24	81.6	134.7	168,000 *
26	80.7	134.3	159,500
28	79.8	134.0	142,500
30	78.9	133.6	128,700
32	78.0	133.2	117,100
34	77.1	132.8	107,400
36	76.2	132.3	99,000
38	75.3	131.8	91,800
40	74.4	131.2	85,400
45	72.1	129.7	72,600
50	69.7	128.0	62,800
55	67.4	126.1	55,100
60	65.0	123.8	48,900
65	62.5	121.4	43,700
70	60.0	118.6	39,400
75	57.4	115.6	35,800
80	54.8	112.2	32,600
85	52.0	108.5	29,900
90	49.2	104.4	27,400
95	46.2	99.9	25,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. Boom			
100	43.0	94.8	23,400
105	39.7	89.1	21,600
110	36.1	82.7	20,100
115	32.2	75.3	18,700
120	27.8	66.7	17,400
125	22.6	56.0	16,200
130	15.9	41.8	15,000
140 Ft. Boom			
26	81.4	144.5	151,000 *
28	80.5	144.1	142,300
30	79.7	143.8	128,400
32	78.9	143.4	116,900
34	78.0	143.0	107,100
36	77.2	142.6	98,700
38	76.4	142.1	91,500
40	75.5	141.6	85,100
45	73.4	140.2	72,300
50	71.3	138.6	62,500
55	69.1	136.8	54,800
60	66.9	134.8	48,600
65	64.6	132.5	43,400
70	62.3	130.1	39,100
75	60.0	127.3	35,400
80	57.6	124.3	32,300
85	55.2	120.9	29,500
90	52.6	117.3	27,100
95	50.0	113.3	25,000
100	47.3	108.9	23,000
105	44.4	104.0	21,300
110	41.4	98.7	19,800
115	38.2	92.7	18,400
120	34.8	85.9	17,100
125	31.0	78.2	15,900
130	26.8	69.1	14,800
135	21.8	58.0	13,800
140	15.4	43.1	12,800
150 Ft. Boom			
26	82.0	154.6	143,200 *
28	81.2	154.3	139,300 *
30	80.4	153.9	128,300
32	79.6	153.6	116,700
34	78.9	153.2	107,000
36	78.1	152.8	98,600
38	77.3	152.4	91,400
40	76.5	151.9	85,000
45	74.5	150.6	72,200
50	72.5	149.1	62,400
55	70.5	147.5	54,700
60	68.5	145.6	48,400
65	66.4	143.5	43,300
70	64.3	141.2	39,000
75	62.2	138.7	35,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. Boom			
80	60.0	136.0	32,200
85	57.8	132.9	29,400
90	55.5	129.6	27,000
95	53.1	126.1	24,800
100	50.7	122.1	22,900
105	48.2	117.9	21,200
110	45.6	113.2	19,700
115	42.8	108.0	18,300
120	39.9	102.4	17,000
125	36.9	96.1	15,800
130	33.6	89.0	14,700
135	29.9	80.9	13,700
140	25.8	71.4	12,800
145	21.0	59.9	11,900
160 Ft. Boom			
28	81.7	164.4	129,500 *
30	81.0	164.1	126,000 *
32	80.3	163.8	116,500
34	79.6	163.4	106,800
36	78.8	163.0	98,400
38	78.1	162.6	91,100
40	77.4	162.2	84,800
45	75.5	161.0	71,900
50	73.7	159.6	62,100
55	71.8	158.0	54,400
60	69.9	156.3	48,100
65	68.0	154.4	43,000
70	66.0	152.2	38,700
75	64.1	149.9	35,000
80	62.0	147.4	31,800
85	60.0	144.6	29,100
90	57.9	141.6	26,700
95	55.8	138.3	24,500
100	53.6	134.8	22,600
105	51.3	130.9	20,900
110	49.0	126.8	19,400
115	46.6	122.2	17,900
120	44.0	117.3	16,700
125	41.4	111.9	15,500
130	38.6	105.9	14,400
135	35.7	99.3	13,400
140	32.5	91.9	12,500
145	29.0	83.5	11,600
150	25.0	73.7	10,800
155	20.4	61.7	10,000



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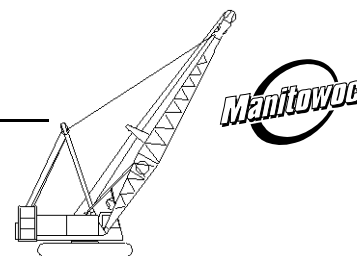
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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
30	81.5	174.2	119,300 *
32	80.9	173.9	116,200 *
34	80.2	173.6	106,500
36	79.5	173.2	98,200
38	78.8	172.8	90,900
40	78.1	172.4	84,500
45	76.4	171.3	71,600
50	74.7	170.0	61,800
55	72.9	168.5	54,100
60	71.1	166.9	47,900
65	69.3	165.1	42,700
70	67.5	163.1	38,400
75	65.7	161.0	34,700
80	63.8	158.6	31,600
85	61.9	156.1	28,800
90	60.0	153.3	26,400
95	58.0	150.3	24,300
100	56.0	147.0	22,400
105	54.0	143.5	20,600
110	51.9	139.7	19,100
115	49.7	135.7	17,700
120	47.4	131.2	16,400
125	45.1	126.5	15,200
130	42.7	121.3	14,200
135	40.1	115.6	13,200
140	37.4	109.4	12,200
145	34.6	102.5	11,400
150	31.5	94.8	10,600
155	28.1	86.1	9,800
160	24.2	75.9	9,100
165	19.7	63.5	8,400
180 Ft. Boom			
30	82.0	184.3	113,100 *
32	81.4	184.0	110,200 *
34	80.7	183.7	106,300
36	80.1	183.4	97,900
38	79.4	183.0	90,600
40	78.8	182.6	84,300
45	77.2	181.6	71,400
50	75.5	180.3	61,500
55	73.9	179.0	53,800
60	72.2	177.4	47,600
65	70.5	175.8	42,400
70	68.8	173.9	38,100
75	67.1	171.9	34,400
80	65.4	169.7	31,300
85	63.6	167.3	28,500
90	61.8	164.7	26,100
95	60.0	161.9	23,900
100	58.1	158.9	22,000
105	56.3	155.7	20,300
110	54.3	152.2	18,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. Boom			
115	52.3	148.5	17,300
120	50.3	144.5	16,100
125	48.2	140.2	14,900
130	46.0	135.6	13,800
135	43.8	130.6	12,800
140	41.4	125.1	11,900
145	38.9	119.2	11,000
150	36.3	112.7	10,200
155	33.6	105.6	9,500
160	30.6	97.6	8,800
165	27.3	88.5	8,100
170	23.6	78.0	7,500
175	19.2	65.2	6,900
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	90,400
40	79.4	192.8	84,100
45	77.8	191.8	71,200
50	76.3	190.6	61,300
55	74.7	189.4	53,600
60	73.2	187.9	47,400
65	71.6	186.3	42,200
70	70.0	184.6	37,900
75	68.4	182.7	34,200
80	66.8	180.6	31,100
85	65.1	178.4	28,300
90	63.4	176.0	25,900
95	61.7	173.4	23,700
100	60.0	170.6	21,800
105	58.2	167.6	20,100
110	56.5	164.4	18,600
115	54.6	161.0	17,200
120	52.8	157.3	15,900
125	50.8	153.4	14,700
130	48.9	149.1	13,600
135	46.8	144.6	12,600
140	44.7	139.7	11,700
145	42.5	134.5	10,900
150	40.3	128.8	10,100
155	37.9	122.7	9,300
160	35.3	115.9	8,600
165	32.6	108.5	8,000
170	29.7	100.3	7,300
175	26.5	90.9	6,800
180	22.9	80.0	6,200
185	18.7	66.9	5,700

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	83,800
45	78.5	202.0	70,900
50	77.0	200.9	61,000
55	75.5	199.7	53,300
60	74.0	198.3	47,100
65	72.5	196.8	41,900
70	71.0	195.2	37,600
75	69.5	193.4	33,900
80	68.0	191.5	30,700
85	66.4	189.4	28,000
90	64.8	187.1	25,500
95	63.3	184.7	23,400
100	61.6	182.1	21,500
105	60.0	179.3	19,800
110	58.3	176.3	18,200
115	56.6	173.1	16,800
120	54.9	169.7	15,500
125	53.1	166.1	14,400
130	51.3	162.2	13,300
135	49.5	158.0	12,300
140	47.5	153.6	11,400
145	45.6	148.9	10,500
150	43.5	143.8	9,700
155	41.4	138.3	9,000
160	39.2	132.4	8,300
165	36.9	126.1	7,600
170	34.4	119.1	7,000
175	31.8	111.4	6,400
180	29.0	102.9	5,900
185	25.8	93.2	5,400
190	22.3	82.1	4,900
195	18.2	68.5	4,400



Liftcrane Boom Capacities

Boom No. 84 With Open Throat Top
98,500 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

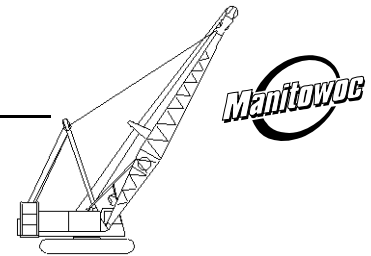
Meets
ANSI B30.5
Requirements

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	70,600
50	77.6	211.2	60,800
55	76.2	210.0	53,000
60	74.8	208.7	46,800
65	73.4	207.3	41,600
70	72.0	205.7	37,300
75	70.5	204.0	33,600
80	69.1	202.2	30,400
85	67.6	200.2	27,700
90	66.1	198.1	25,200
95	64.6	195.8	23,100
100	63.1	193.3	21,200
105	61.6	190.7	19,500
110	60.0	187.9	17,900
115	58.4	184.9	16,500
120	56.8	181.8	15,200
125	55.2	178.4	14,100
130	53.5	174.8	13,000
135	51.8	171.0	12,000
140	50.0	166.9	11,100
145	48.2	162.6	10,200
150	46.3	158.0	9,400
155	44.4	153.0	8,700
160	42.4	147.7	8,000
165	40.4	142.1	7,300
170	38.2	136.0	6,700
175	36.0	129.3	6,100
180	33.6	122.1	5,600
185	31.0	114.2	5,100
190	28.2	105.4	4,600
195	25.2	95.5	4,100

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	70,300
50	78.2	221.4	60,500
55	76.9	220.3	52,700
60	75.5	219.1	46,400
65	74.2	217.7	41,300
70	72.8	216.2	36,900
75	71.4	214.6	33,300
80	70.1	212.9	30,100
85	68.7	211.0	27,300
90	67.3	209.0	24,900
95	65.9	206.8	22,800
100	64.4	204.5	20,800
105	63.0	202.0	19,100
110	61.5	199.4	17,600
115	60.0	196.6	16,200
120	58.5	193.6	14,900
125	56.9	190.4	13,700
130	55.4	187.1	12,600
135	53.8	183.5	11,600
140	52.1	179.8	10,700
145	50.5	175.8	9,900
150	48.8	171.5	9,100
155	47.0	167.0	8,300
160	45.2	162.2	7,600
165	43.3	157.1	7,000
170	41.4	151.6	6,400
175	39.4	145.7	5,800
180	37.3	139.4	5,200
185	35.1	132.5	4,700
190	32.8	125.1	4,200

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	70,000
50	78.7	231.6	60,200
55	77.4	230.6	52,400
60	76.2	229.4	46,100
65	74.9	228.1	41,000
70	73.6	226.7	36,600
75	72.3	225.1	33,000
80	71.0	223.5	29,800
85	69.6	221.7	27,000
90	68.3	219.8	24,600
95	67.0	217.7	22,500
100	65.6	215.5	20,500
105	64.2	213.2	18,800
110	62.8	210.7	17,300
115	61.4	208.0	15,900
120	60.0	205.2	14,600
125	58.6	202.3	13,400
130	57.1	199.1	12,300
135	55.6	195.8	11,400
140	54.1	192.3	10,400
145	52.5	188.5	9,600
150	50.9	184.6	8,800
155	49.3	180.4	8,100
160	47.6	176.0	7,400
165	45.9	171.3	6,700
170	44.2	166.3	6,100
175	42.3	161.0	5,500
180	40.5	155.3	5,000
185	38.5	149.2	4,500
190	36.5	142.7	4,000



Liftcrane Boom Capacities

Boom No. 84 With Open Throat Top
98,500 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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	59,800
55	78.0	240.8	52,100
60	76.8	239.7	45,800
65	75.5	238.4	40,600
70	74.3	237.1	36,300
75	73.0	235.6	32,600
80	71.8	234.0	29,500
85	70.5	232.3	26,700
90	69.3	230.5	24,300
95	68.0	228.5	22,100
100	66.7	226.4	20,200
105	65.4	224.2	18,500
110	64.1	221.9	16,900
115	62.7	219.4	15,500
120	61.4	216.7	14,200
125	60.0	213.9	13,100
130	58.6	210.9	12,000
135	57.2	207.8	11,000
140	55.8	204.5	10,100
145	54.3	201.0	9,200
150	52.8	197.3	8,400
155	51.3	193.4	7,700
160	49.8	189.3	7,000
165	48.2	184.9	6,400
170	46.6	180.3	5,700
175	44.9	175.5	5,200
180	43.2	170.3	4,600
185	41.4	164.8	4,100

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	59,600
55	78.5	251.0	51,800
60	77.3	249.9	45,500
65	76.1	248.7	40,400
70	74.9	247.4	36,000
75	73.7	246.1	32,300
80	72.5	244.5	29,100
85	71.3	242.9	26,400
90	70.1	241.2	24,000
95	68.9	239.3	21,800
100	67.7	237.3	19,900
105	66.4	235.2	18,200
110	65.2	232.9	16,600
115	63.9	230.6	15,200
120	62.6	228.0	13,900
125	61.3	225.4	12,800
130	60.0	222.6	11,700
135	58.7	219.6	10,700
140	57.3	216.5	9,800
145	55.9	213.2	8,900
150	54.5	209.7	8,100
155	53.1	206.1	7,400
160	51.7	202.2	6,700
165	50.2	198.1	6,000
170	48.7	193.9	5,400
175	47.2	189.4	4,900
180	45.6	184.6	4,300