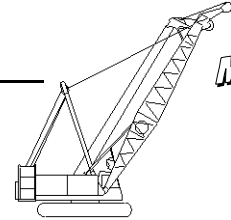




Liftcrane Boom Capacities

Boom No. 84
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 50 Ft. thru 70 Ft. boom lengths.*

Upper boom point capacity for liftcrane service with single part whip line is 30,000 Lbs. or 60,000 Lbs. with two part whip line. When boom butt mounted auxiliary drum equipped for 26 mm wire rope is used, capacity with single part whip line is 20,000 Lbs. or 40,000 Lbs. with two part whip line. 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. A00952 and Wire Rope Specification chart

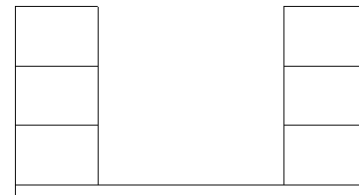
No. 8443-A. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

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

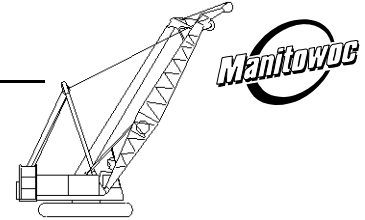
Maximum Boom and Jib Lengths Lifted Unassisted Over End of Blocked Crawlers	
Boom Length	Jib No. 134
(a,b) 250 Ft.	—
(b) 240 Ft.	—
230 Ft.	—
220 Ft.	40 Ft.
210 Ft.	60 Ft.
200 Ft.	80 Ft.
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be attached on 250 Ft. boom. (b) Upper wire rope guide (No. A04352) for third line cannot be attached on 240 Ft. and 250 Ft. booms.	

Upper Boom Point Deduct
Deduct 1,100 Lbs. from capacities when upper boom point is attached.

Wire Rope Guide Deduct (For Third Line)
Deduct 600 Lbs. from boom capacities when upper wire rope guide (No. A04352) for third line is 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 and upper wire rope guide (No. A04352) for third line must be removed when jib is attached.



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

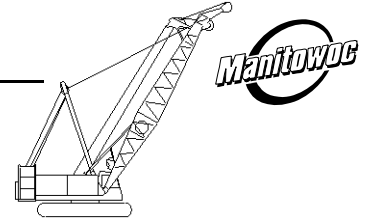
Boom No. 84
98,500 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

555 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
50 Ft. Boom			
15	80.6	55.1	300,000 *b
16	79.4	54.9	282,200 *b
17	78.2	54.6	266,500 *b
18	77.0	54.4	252,300 *b
19	75.9	54.1	239,500 *b
20	74.7	53.8	228,000 *b
22	72.2	53.1	207,800 *b
24	69.8	52.3	190,700 *b
26	67.3	51.5	176,000 *
28	64.7	50.5	163,200 *
30	62.1	49.4	151,400 *
32	59.4	48.2	140,900 *
34	56.7	46.8	131,700 *
36	53.8	45.3	123,600 *
38	50.8	43.7	114,800 *
40	47.7	41.8	106,400 *
45	39.0	36.1	89,600 *
50	28.0	27.9	72,100 *
60 Ft. Boom			
15	82.2	65.2	299,000 *b
16	81.2	65.1	282,100 *b
17	80.2	64.9	266,400 *b
18	79.2	64.7	252,300 *b
19	78.3	64.4	239,500 *b
20	77.3	64.2	227,900 *b
22	75.3	63.6	207,800 *b
24	73.3	63.0	190,600 *b
26	71.3	62.3	176,000 *
28	69.2	61.5	163,300 *
30	67.1	60.6	151,600 *
32	65.0	59.7	141,100 *
34	62.9	58.6	131,900 *
36	60.7	57.5	123,800 *
38	58.4	56.2	115,400 *
40	56.1	54.8	107,000 *
45	50.0	50.8	90,300 *
50	43.2	45.8	77,700 *
55	35.3	39.3	67,800 *
60	25.4	30.1	59,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. Boom			
16	82.5	75.2	277,400 *b
17	81.6	75.0	266,200 *b
18	80.8	74.9	252,000 *b
19	80.0	74.7	239,300 *b
20	79.1	74.5	227,700 *b
22	77.4	74.0	207,600 *b
24	75.8	73.5	190,600 *b
26	74.0	72.9	175,800 *
28	72.3	72.2	163,100 *
30	70.6	71.5	151,500 *
32	68.8	70.7	141,100 *
34	67.0	69.8	131,900 *
36	65.2	68.8	123,800 *
38	63.4	67.8	115,700 *
40	61.5	66.7	107,300 *
45	56.7	63.5	90,500 *
50	51.5	59.7	78,000 *
55	45.9	55.1	68,200 *
60	39.7	49.4	60,300 *
65	32.5	42.2	53,800 *
70	23.3	32.1	48,400 *
80 Ft. Boom			
17	82.7	85.2	264,000 *b
18	82.0	85.0	251,900 *b
19	81.2	84.8	239,200 *b
20	80.5	84.7	227,700 *b
22	79.0	84.3	207,500 *b
24	77.6	83.8	190,500 *b
26	76.1	83.3	175,800 *
28	74.6	82.7	163,000 *
30	73.1	82.1	151,500 *
32	71.6	81.4	141,100 *
34	70.1	80.6	131,900 *
36	68.5	79.8	123,800 *
38	67.0	79.0	115,900 *
40	65.4	78.0	107,600 *
45	61.3	75.4	90,800 *
50	57.1	72.2	78,200 *
55	52.6	68.5	68,400 *
60	47.9	64.2	60,600 *
65	42.7	59.0	54,100 *
70	37.0	52.7	48,800 *
75	30.3	44.8	44,200 *
80	21.7	34.0	40,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. Boom			
18	82.9	95.1	243,100 *b
19	82.2	95.0	238,700 *b
20	81.6	94.8	227,200 *b
22	80.3	94.5	207,100 *b
24	79.0	94.0	189,900 *b
26	77.7	93.6	175,200 *
28	76.4	93.1	162,500 *
30	75.0	92.5	151,200 *
32	73.7	91.9	140,800 *
34	72.4	91.3	131,600 *
36	71.0	90.6	123,500 *
38	69.7	89.8	115,900 *
40	68.3	89.0	107,500 *
45	64.8	86.7	90,700 *
50	61.2	84.0	78,100 *
55	57.4	80.9	68,300 *
60	53.5	77.3	60,500 *
65	49.4	73.2	54,100 *
70	44.9	68.3	48,700 *
75	40.1	62.7	44,100 *
80	34.7	55.8	40,200 *
85	28.5	47.3	36,800 *
90	20.4	35.7	33,800 *
100 Ft. Boom			
19	83.0	105.1	231,000 *b
20	82.4	104.9	227,200 *b
22	81.3	104.6	207,000 *b
24	80.1	104.3	189,900 *b
26	78.9	103.8	175,200 *
28	77.8	103.4	162,500 *
30	76.6	102.9	151,200 *
32	75.4	102.4	140,800 *
34	74.2	101.8	131,600 *
36	73.0	101.1	123,500 *
38	71.8	100.5	116,000 *
40	70.6	99.7	107,600 *
45	67.5	97.7	90,800 *
50	64.3	95.4	78,200 *
55	61.1	92.7	68,400 *
60	57.7	89.6	60,600 *
65	54.2	86.1	54,200 *
70	50.5	82.1	48,900 *
75	46.6	77.5	44,300 *
80	42.5	72.2	40,400 *
85	37.9	66.1	37,100 *
90	32.9	58.8	34,100 *
95	26.9	49.7	31,400 *
100	19.3	37.3	29,100 *



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

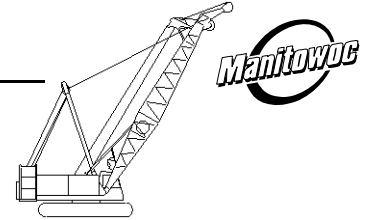
Boom No. 84
98,500 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

555 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. Boom			
22	82.1	114.8	204,300 *
24	81.0	114.4	189,400 *
26	80.0	114.0	174,700 *
28	78.9	113.6	162,000 *
30	77.8	113.2	150,900 *
32	76.7	112.7	140,500 *
34	75.7	112.2	131,300 *
36	74.6	111.6	123,200 *
38	73.5	111.0	116,000
40	72.4	110.4	107,500
45	69.6	108.5	90,700
50	66.8	106.4	78,100
55	63.9	104.1	68,300
60	61.0	101.3	60,500
65	57.9	98.3	54,100
70	54.7	94.8	48,700
75	51.4	90.9	44,200
80	48.0	86.5	40,300
85	44.3	81.6	36,900
90	40.4	75.9	34,000
95	36.1	69.3	31,300
100	31.2	61.5	29,000
105	25.6	51.9	26,900
110	18.3	38.9	24,900
120 Ft. Boom			
22	82.7	124.9	194,300 *
24	81.8	124.6	187,900 *
26	80.8	124.2	174,400 *
28	79.8	123.8	161,700 *
30	78.9	123.4	150,600 *
32	77.9	123.0	140,300 *
34	76.9	122.5	131,100 *
36	75.9	122.0	123,000 *
38	74.9	121.4	115,800 *
40	73.9	120.9	107,500
45	71.4	119.2	90,600
50	68.9	117.3	78,000
55	66.3	115.2	68,200
60	63.6	112.7	60,400
65	60.9	110.0	54,000
70	58.1	106.9	48,600
75	55.2	103.5	44,100
80	52.2	99.7	40,200
85	49.1	95.5	36,800
90	45.8	90.8	33,900
95	42.3	85.5	31,200
100	38.5	79.4	28,900
105	34.4	72.4	26,800
110	29.8	64.2	24,900
115	24.4	54.1	23,200
120	17.5	40.4	21,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. Boom			
24	82.4	134.7	173,000 *
26	81.5	134.4	167,900 *
28	80.6	134.0	161,100 *
30	79.7	133.6	150,000 *
32	78.8	133.2	140,000 *
34	77.9	132.8	130,800 *
36	77.0	132.3	122,700 *
38	76.1	131.8	115,500 *
40	75.2	131.3	107,300
45	72.9	129.8	90,500
50	70.6	128.0	77,800
55	68.2	126.1	68,000
60	65.8	123.9	60,200
65	63.3	121.4	53,700
70	60.8	118.7	48,400
75	58.2	115.6	43,800
80	55.6	112.3	40,000
85	52.8	108.5	36,600
90	50.0	104.4	33,600
95	47.0	99.9	31,000
100	43.9	94.8	28,700
105	40.5	89.1	26,600
110	36.9	82.7	24,700
115	33.0	75.4	23,000
120	28.6	66.7	21,500
125	23.4	56.1	20,000
130	16.8	41.8	18,700
140 Ft. Boom			
24	83.0	144.8	162,500 *
26	82.1	144.5	157,600 *
28	81.3	144.2	152,900 *
30	80.5	143.8	148,300 *
32	79.6	143.4	139,800 *
34	78.8	143.0	130,600 *
36	78.0	142.6	122,500 *
38	77.1	142.1	115,300 *
40	76.3	141.6	107,200
45	74.2	140.2	90,300
50	72.0	138.6	77,700
55	69.8	136.8	67,900
60	67.6	134.8	60,000
65	65.4	132.6	53,600
70	63.1	130.1	48,300
75	60.8	127.3	43,700
80	58.4	124.3	39,900
85	55.9	121.0	36,500
90	53.4	117.3	33,500
95	50.7	113.3	30,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. Boom			
100	48.0	108.9	28,600
105	45.2	104.1	26,500
110	42.2	98.7	24,700
115	39.0	92.7	23,000
120	35.5	85.9	21,400
125	31.8	78.2	20,000
130	27.5	69.1	18,700
135	22.5	58.1	17,500
140	16.1	43.2	16,300
150 Ft. Boom			
26	82.7	154.6	149,600 *
28	81.9	154.3	145,600 *
30	81.1	154.0	141,500 *
32	80.3	153.6	137,300 *
34	79.6	153.2	130,300 *
36	78.8	152.8	122,200 *
38	78.0	152.4	115,000 *
40	77.2	151.9	107,000
45	75.2	150.6	90,200
50	73.2	149.2	77,500
55	71.2	147.5	67,700
60	69.2	145.6	59,800
65	67.1	143.5	53,400
70	65.0	141.3	48,000
75	62.9	138.7	43,500
80	60.7	136.0	39,600
85	58.5	133.0	36,200
90	56.2	129.7	33,300
95	53.8	126.1	30,700
100	51.4	122.2	28,300
105	48.9	117.9	26,300
110	46.3	113.2	24,400
115	43.5	108.1	22,700
120	40.6	102.4	21,100
125	37.6	96.1	19,700
130	34.3	89.0	18,400
135	30.6	80.9	17,200
140	26.6	71.5	16,100
145	21.8	59.9	15,100
150	15.6	44.5	14,100



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

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

555 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. Boom			
28	82.4	164.4	132,000 *
30	81.7	164.1	131,400 *
32	80.9	163.8	127,500 *
34	80.2	163.4	123,700 *
36	79.5	163.0	120,100 *
38	78.8	162.6	114,700 *
40	78.0	162.2	106,900
45	76.2	161.0	90,000
50	74.3	159.6	77,300
55	72.4	158.1	67,500
60	70.6	156.3	59,600
65	68.6	154.4	53,200
70	66.7	152.3	47,800
75	64.7	149.9	43,300
80	62.7	147.4	39,400
85	60.7	144.6	36,000
90	58.6	141.6	33,100
95	56.4	138.4	30,400
100	54.2	134.8	28,100
105	52.0	131.0	26,000
110	49.6	126.8	24,200
115	47.2	122.3	22,500
120	44.7	117.3	20,900
125	42.1	111.9	19,500
130	39.3	105.9	18,200
135	36.3	99.3	17,000
140	33.1	92.0	15,900
145	29.6	83.5	14,900
150	25.7	73.7	13,900
155	21.0	61.8	13,000
160	15.0	45.8	12,200
170 Ft. Boom			
28	82.8	174.5	127,000 *
30	82.2	174.2	123,700 *
32	81.5	173.9	120,500 *
34	80.8	173.6	117,200 *
36	80.1	173.2	114,100 *
38	79.4	172.8	110,900 *
40	78.7	172.4	106,700
45	77.0	171.3	89,800
50	75.3	170.0	77,100
55	73.5	168.5	67,200
60	71.7	166.9	59,300
65	70.0	165.1	52,900
70	68.1	163.2	47,500
75	66.3	161.0	43,000
80	64.4	158.6	39,100
85	62.5	156.1	35,700
90	60.6	153.3	32,800
95	58.7	150.3	30,100
100	56.6	147.0	27,800

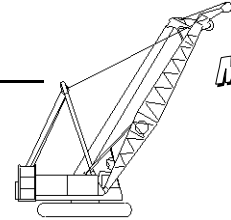
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
105	54.6	143.5	25,800
110	52.5	139.8	23,900
115	50.3	135.7	22,200
120	48.1	131.3	20,600
125	45.7	126.5	19,200
130	43.3	121.3	17,900
135	40.7	115.6	16,700
140	38.1	109.4	15,600
145	35.2	102.5	14,600
150	32.1	94.8	13,600
155	28.7	86.1	12,700
160	24.9	75.9	11,900
165	20.4	63.5	11,100
180 Ft. Boom			
30	82.6	184.3	116,800 *
32	82.0	184.0	113,800 *
34	81.3	183.7	110,800 *
36	80.7	183.4	107,700 *
38	80.0	183.0	104,800 *
40	79.4	182.6	102,000 *
45	77.7	181.6	89,600
50	76.1	180.4	76,900
55	74.5	179.0	67,100
60	72.8	177.5	59,200
65	71.1	175.8	52,700
70	69.4	173.9	47,400
75	67.7	171.9	42,800
80	66.0	169.7	38,900
85	64.2	167.3	35,500
90	62.4	164.7	32,600
95	60.6	162.0	30,000
100	58.7	159.0	27,700
105	56.8	155.7	25,600
110	54.9	152.3	23,700
115	52.9	148.5	22,000
120	50.9	144.5	20,500
125	48.8	140.2	19,100
130	46.6	135.6	17,800
135	44.3	130.6	16,600
140	42.0	125.1	15,500
145	39.5	119.2	14,500
150	36.9	112.7	13,500
155	34.1	105.6	12,600
160	31.1	97.6	11,800
165	27.9	88.5	11,000
170	24.1	78.0	10,300
175	19.8	65.2	9,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. Boom			
32	82.4	194.1	99,000 *
34	81.8	193.8	99,000 *
36	81.2	193.5	98,500 *
38	80.6	193.2	95,800 *
40	79.9	192.8	93,100 *
45	78.4	191.8	86,700 *
50	76.9	190.7	76,700
55	75.3	189.4	66,800
60	73.7	187.9	58,900
65	72.1	186.3	52,500
70	70.5	184.6	47,100
75	68.9	182.7	42,500
80	67.3	180.6	38,600
85	65.7	178.4	35,300
90	64.0	176.0	32,300
95	62.3	173.4	29,700
100	60.6	170.6	27,400
105	58.8	167.6	25,300
110	57.0	164.4	23,400
115	55.2	161.0	21,700
120	53.3	157.3	20,200
125	51.4	153.4	18,800
130	49.4	149.2	17,500
135	47.4	144.6	16,300
140	45.3	139.8	15,200
145	43.1	134.5	14,100
150	40.8	128.9	13,200
155	38.4	122.7	12,300
160	35.9	116.0	11,500
165	33.2	108.5	10,700
170	30.3	100.3	10,000
175	27.1	90.9	9,300
180	23.5	80.1	8,600
185	19.2	66.9	8,000



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements



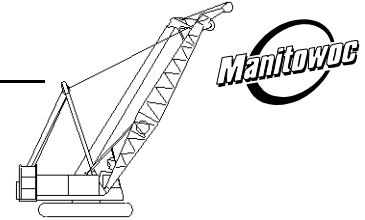
Boom No. 84
98,500 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

555 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. Boom			
34	82.2	204.0	95,300 *
36	81.6	203.6	92,800 *
38	81.0	203.3	90,200 *
40	80.4	203.0	87,800 *
45	79.0	202.0	81,800 *
50	77.5	200.9	76,200 *
55	76.0	199.7	66,600
60	74.6	198.4	58,700
65	73.1	196.9	52,200
70	71.6	195.2	46,800
75	70.0	193.4	42,300
80	68.5	191.5	38,400
85	66.9	189.4	35,000
90	65.4	187.1	32,000
95	63.8	184.7	29,400
100	62.2	182.1	27,100
105	60.5	179.3	25,000
110	58.9	176.3	23,100
115	57.2	173.1	21,400
120	55.4	169.7	19,900
125	53.7	166.1	18,500
130	51.8	162.2	17,200
135	50.0	158.1	16,000
140	48.1	153.6	14,900
145	46.1	148.9	13,900
150	44.1	143.8	12,900
155	41.9	138.4	12,000
160	39.7	132.5	11,200
165	37.4	126.1	10,400
170	34.9	119.1	9,700
175	32.3	111.4	9,000
180	29.5	102.9	8,400
185	26.4	93.3	7,800
190	22.9	82.1	7,200
195	18.7	68.5	6,600
210 Ft. Boom			
36	82.0	213.8	87,500 *
38	81.5	213.5	85,200 *
40	80.9	213.1	82,900 *
45	79.5	212.2	77,300 *
50	78.1	211.2	72,000 *
55	76.7	210.0	66,300
60	75.3	208.7	58,400
65	73.9	207.3	51,900
70	72.5	205.8	46,500
75	71.0	204.1	42,000
80	69.6	202.2	38,100
85	68.1	200.2	34,700
90	66.6	198.1	31,700
95	65.1	195.8	29,100
100	63.6	193.3	26,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. Boom			
105	62.1	190.7	24,700
110	60.5	187.9	22,800
115	58.9	185.0	21,100
120	57.3	181.8	19,600
125	55.7	178.4	18,200
130	54.0	174.8	16,900
135	52.3	171.0	15,700
140	50.5	166.9	14,600
145	48.7	162.6	13,500
150	46.8	158.0	12,600
155	44.9	153.0	11,700
160	42.9	147.8	10,900
165	40.9	142.1	10,100
170	38.7	136.0	9,400
175	36.5	129.4	8,700
180	34.1	122.2	8,000
185	31.5	114.2	7,400
190	28.7	105.4	6,900
195	25.7	95.5	6,300
200	22.3	84.0	5,800
205	18.3	70.1	4,800 *
220 Ft. Boom			
36	82.4	223.9	82,200 *
38	81.9	223.6	80,000 *
40	81.3	223.3	77,900 *
45	80.0	222.4	72,700 *
50	78.7	221.4	67,700 *
55	77.3	220.3	63,000 *
60	76.0	219.1	58,200
65	74.7	217.7	51,700
70	73.3	216.2	46,300
75	71.9	214.6	41,800
80	70.5	212.9	37,800
85	69.2	211.0	34,500
90	67.7	209.0	31,500
95	66.3	206.8	28,900
100	64.9	204.5	26,500
105	63.4	202.0	24,500
110	62.0	199.4	22,600
115	60.5	196.6	20,900
120	59.0	193.6	19,300
125	57.4	190.5	17,900
130	55.9	187.1	16,600
135	54.3	183.5	15,400
140	52.6	179.8	14,300
145	51.0	175.8	13,300
150	49.2	171.5	12,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. Boom			
155	47.5	167.0	11,500
160	45.7	162.2	10,700
165	43.8	157.1	9,900
170	41.9	151.6	9,200
175	39.9	145.7	8,500
180	37.8	139.4	7,800
185	35.6	132.6	7,200
190	33.2	125.1	6,300 *
195	30.8	117.0	5,400 *
200	28.1	107.9	4,500 *
230 Ft. Boom			
38	82.2	233.7	78,300 *
40	81.7	233.4	77,900 *
45	80.4	232.6	76,900 *
50	79.2	231.6	75,700
55	77.9	230.6	65,800
60	76.6	229.4	57,900
65	75.3	228.1	51,400
70	74.0	226.7	46,000
75	72.7	225.2	41,400
80	71.4	223.5	37,500
85	70.1	221.7	34,100
90	68.8	219.8	31,100
95	67.4	217.7	28,500
100	66.1	215.5	26,200
105	64.7	213.2	24,100
110	63.3	210.7	22,200
115	61.9	208.1	20,500
120	60.5	205.3	19,000
125	59.0	202.3	17,600
130	57.5	199.1	16,300
135	56.0	195.8	15,100
140	54.5	192.3	14,000
145	53.0	188.5	13,000
150	51.4	184.6	12,000
155	49.8	180.4	11,100
160	48.1	176.0	10,300
165	46.4	171.3	9,500
170	44.6	166.3	8,800
175	42.8	161.0	8,100
180	40.9	155.3	7,500
185	39.0	149.2	6,900
190	36.9	142.7	6,300
195	34.8	135.7	5,800
200	32.5	128.0	5,200
205	30.1	119.6	4,700
210	27.4	110.4	4,300



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

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

555 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. Boom			
38	82.5	243.8	66,000 *
40	82.1	243.5	66,000 *
45	80.8	242.7	66,000 *
50	79.6	241.8	66,000 *
55	78.4	240.8	65,500
60	77.2	239.7	57,600
65	76.0	238.4	51,100
70	74.7	237.1	45,700
75	73.5	235.6	41,100
80	72.2	234.0	37,200
85	71.0	232.3	33,800
90	69.7	230.5	30,900
95	68.4	228.6	28,200
100	67.1	226.5	25,900
105	65.8	224.2	23,800
110	64.5	221.9	21,900
115	63.2	219.4	20,200
120	61.8	216.7	18,700
125	60.4	213.9	17,300
130	59.1	210.9	16,000
135	57.6	207.8	14,800
140	56.2	204.5	13,700
145	54.8	201.0	12,700
150	53.3	197.3	11,700
155	51.8	193.4	10,800
160	50.2	189.3	10,000
165	48.6	185.0	9,200
170	47.0	180.4	8,500
175	45.3	175.5	7,800
180	43.6	170.3	7,200
185	41.8	164.8	6,600
190	40.0	159.0	6,000
195	38.1	152.7	5,500
200	36.1	146.0	4,900
205	34.0	138.7	4,500
210	31.8	130.9	4,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250 Ft. Boom			
40	82.4	253.6	63,300 *
45	81.2	252.8	62,400 *
50	80.1	252.0	61,100 *
55	78.9	251.0	59,600 *
60	77.7	249.9	57,300
65	76.5	248.8	50,800
70	75.4	247.5	45,400
75	74.2	246.1	40,800
80	73.0	244.5	36,900
85	71.8	242.9	33,500
90	70.5	241.2	30,500
95	69.3	239.3	27,900
100	68.1	237.3	25,600
105	66.8	235.2	23,500
110	65.6	232.9	21,600
115	64.3	230.6	19,900
120	63.0	228.0	18,400
125	61.7	225.4	16,900
130	60.4	222.6	15,600
135	59.1	219.6	14,400
140	57.7	216.5	13,300
145	56.4	213.2	12,300
150	55.0	209.7	11,400
155	53.6	206.1	10,500
160	52.1	202.2	9,700
165	50.6	198.2	8,900
170	49.1	193.9	8,200
175	47.6	189.4	7,500
180	46.0	184.6	6,800
185	44.4	179.6	6,200
190	42.7	174.2	5,700
195	41.0	168.5	5,100
200	39.2	162.5	4,600
205	37.3	156.1	4,100