

Liftcrane Boom Capacities

New York City Code

Boom No. 84

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

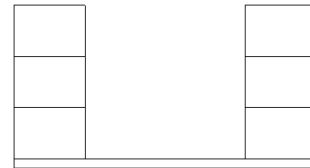
MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8445-A**.

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.

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		Over Side of Crawlers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134
(a,b) 250 Ft.	—	(b) 220 Ft.	—
(b) 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. (b) Upper wire rope guide (No. A04352) for third line cannot be attached on 240 Ft. and 250 Ft. booms and cannot be lifted over side of crawlers on 220 Ft. boom.			

Upper Boom Point Deduct

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

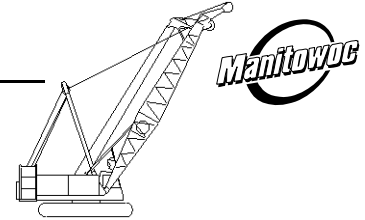
Wire Rope Guide Deduct (For Third Line)

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.



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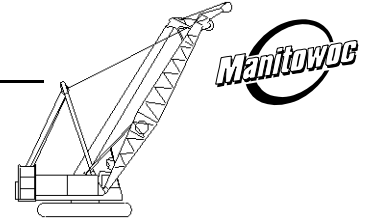
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555 SERIES 2

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	207,100 b
24	69.8	52.3	179,900 b
26	67.3	51.5	158,800
28	64.7	50.5	141,900
30	62.1	49.4	128,100
32	59.4	48.2	116,600
34	56.7	46.8	106,900
36	53.8	45.3	98,500
38	50.8	43.7	91,200
40	47.7	41.8	84,900
45	39.0	36.1	72,000
50	28.0	27.9	62,000
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	180,600 b
26	71.3	62.3	159,400
28	69.2	61.5	142,500
30	67.1	60.6	128,700
32	65.0	59.7	117,100
34	62.9	58.6	107,400
36	60.7	57.5	99,000
38	58.4	56.2	91,800
40	56.1	54.8	85,400
45	50.0	50.8	72,500
50	43.2	45.8	62,700
55	35.3	39.3	54,900
60	25.4	30.1	48,500

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	180,900 b
26	74.0	72.9	159,700
28	72.3	72.2	142,800
30	70.6	71.5	128,900
32	68.8	70.7	117,400
34	67.0	69.8	107,600
36	65.2	68.8	99,200
38	63.4	67.8	92,000
40	61.5	66.7	85,600
45	56.7	63.5	72,800
50	51.5	59.7	62,900
55	45.9	55.1	55,200
60	39.7	49.4	48,900
65	32.5	42.2	43,700
70	23.3	32.1	39,200
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	181,200 b
26	76.1	83.3	159,900
28	74.6	82.7	143,000
30	73.1	82.1	129,100
32	71.6	81.4	117,600
34	70.1	80.6	107,800
36	68.5	79.8	99,400
38	67.0	79.0	92,200
40	65.4	78.0	85,800
45	61.3	75.4	72,900
50	57.1	72.2	63,100
55	52.6	68.5	55,400
60	47.9	64.2	49,100
65	42.7	59.0	43,900
70	37.0	52.7	39,600
75	30.3	44.8	35,800
80	21.7	34.0	32,500

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	181,100 b
26	77.7	93.6	159,900
28	76.4	93.1	142,900
30	75.0	92.5	129,000
32	73.7	91.9	117,400
34	72.4	91.3	107,700
36	71.0	90.6	99,300
38	69.7	89.8	92,000
40	68.3	89.0	85,700
45	64.8	86.7	72,800
50	61.2	84.0	63,000
55	57.4	80.9	55,200
60	53.5	77.3	49,000
65	49.4	73.2	43,800
70	44.9	68.3	39,500
75	40.1	62.7	35,700
80	34.7	55.8	32,500
85	28.5	47.3	29,700
90	20.4	35.7	27,200
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	181,200 b
26	78.9	103.8	160,000
28	77.8	103.4	143,000
30	76.6	102.9	129,100
32	75.4	102.4	117,600
34	74.2	101.8	107,800
36	73.0	101.1	99,400
38	71.8	100.5	92,100
40	70.6	99.7	85,800
45	67.5	97.7	72,900
50	64.3	95.4	63,100
55	61.1	92.7	55,400
60	57.7	89.6	49,100
65	54.2	86.1	43,900
70	50.5	82.1	39,600
75	46.6	77.5	35,900
80	42.5	72.2	32,700
85	37.9	66.1	29,900
90	32.9	58.8	27,500
95	26.9	49.7	25,300
100	19.3	37.3	23,300



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44,000 Lb. Carbody Counterweight
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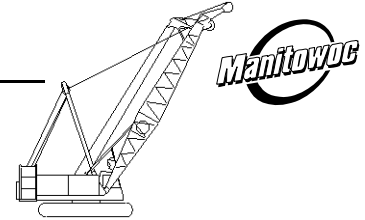
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555 SERIES 2

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	181,300
26	80.0	114.0	160,000
28	78.9	113.6	143,000
30	77.8	113.2	129,100
32	76.7	112.7	117,500
34	75.7	112.2	107,700
36	74.6	111.6	99,300
38	73.5	111.0	92,000
40	72.4	110.4	85,600
45	69.6	108.5	72,800
50	66.8	106.4	62,900
55	63.9	104.1	55,200
60	61.0	101.3	48,900
65	57.9	98.3	43,800
70	54.7	94.8	39,400
75	51.4	90.9	35,700
80	48.0	86.5	32,500
85	44.3	81.6	29,800
90	40.4	75.9	27,300
95	36.1	69.3	25,100
100	31.2	61.5	23,200
105	25.6	51.9	21,400
110	18.3	38.9	19,800
120 Ft. Boom			
22	82.7	124.9	194,300 *
24	81.8	124.6	181,200
26	80.8	124.2	159,900
28	79.8	123.8	142,900
30	78.9	123.4	129,000
32	77.9	123.0	117,400
34	76.9	122.5	107,600
36	75.9	122.0	99,200
38	74.9	121.4	91,900
40	73.9	120.9	85,500
45	71.4	119.2	72,600
50	68.9	117.3	62,800
55	66.3	115.2	55,100
60	63.6	112.7	48,800
65	60.9	110.0	43,600
70	58.1	106.9	39,300
75	55.2	103.5	35,600
80	52.2	99.7	32,400
85	49.1	95.5	29,600
90	45.8	90.8	27,200
95	42.3	85.5	25,000
100	38.5	79.4	23,100
105	34.4	72.4	21,300
110	29.8	64.2	19,800
115	24.4	54.1	18,300
120	17.5	40.4	17,000

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	159,900
28	80.6	134.0	142,800
30	79.7	133.6	128,900
32	78.8	133.2	117,300
34	77.9	132.8	107,400
36	77.0	132.3	99,000
38	76.1	131.8	91,700
40	75.2	131.3	85,300
45	72.9	129.8	72,400
50	70.6	128.0	62,600
55	68.2	126.1	54,800
60	65.8	123.9	48,600
65	63.3	121.4	43,400
70	60.8	118.7	39,000
75	58.2	115.6	35,400
80	55.6	112.3	32,200
85	52.8	108.5	29,400
90	50.0	104.4	27,000
95	47.0	99.9	24,800
100	43.9	94.8	22,900
105	40.5	89.1	21,100
110	36.9	82.7	19,500
115	33.0	75.4	18,100
120	28.6	66.7	16,800
125	23.4	56.1	15,600
130	16.8	41.8	14,400
140 Ft. Boom			
24	83.0	144.8	162,500 *
26	82.1	144.5	157,600 *
28	81.3	144.2	142,700
30	80.5	143.8	128,700
32	79.6	143.4	117,100
34	78.8	143.0	107,300
36	78.0	142.6	98,900
38	77.1	142.1	91,600
40	76.3	141.6	85,200
45	74.2	140.2	72,300
50	72.0	138.6	62,400
55	69.8	136.8	54,700
60	67.6	134.8	48,400
65	65.4	132.6	43,300
70	63.1	130.1	38,900
75	60.8	127.3	35,200
80	58.4	124.3	32,100
85	55.9	121.0	29,300
90	53.4	117.3	26,900
95	50.7	113.3	24,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. Boom			
100	48.0	108.9	22,800
105	45.2	104.1	21,000
110	42.2	98.7	19,500
115	39.0	92.7	18,000
120	35.5	85.9	16,700
125	31.8	78.2	15,500
130	27.5	69.1	14,400
135	22.5	58.1	13,400
140	16.1	43.2	12,400
150 Ft. Boom			
26	82.7	154.6	149,600 *
28	81.9	154.3	142,500
30	81.1	154.0	128,600
32	80.3	153.6	116,900
34	79.6	153.2	107,100
36	78.8	152.8	98,700
38	78.0	152.4	91,400
40	77.2	151.9	85,000
45	75.2	150.6	72,100
50	73.2	149.2	62,200
55	71.2	147.5	54,400
60	69.2	145.6	48,200
65	67.1	143.5	43,000
70	65.0	141.3	38,700
75	62.9	138.7	35,000
80	60.7	136.0	31,800
85	58.5	133.0	29,000
90	56.2	129.7	26,600
95	53.8	126.1	24,400
100	51.4	122.2	22,500
105	48.9	117.9	20,800
110	46.3	113.2	19,200
115	43.5	108.1	17,800
120	40.6	102.4	16,500
125	37.6	96.1	15,300
130	34.3	89.0	14,200
135	30.6	80.9	13,200
140	26.6	71.5	12,200
145	21.8	59.9	11,300
150	15.6	44.5	10,500



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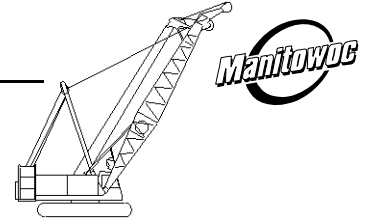
98,500 Lb. Crane Counterweight
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555 SERIES 2

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	128,400
32	80.9	163.8	116,800
34	80.2	163.4	106,900
36	79.5	163.0	98,500
38	78.8	162.6	91,200
40	78.0	162.2	84,800
45	76.2	161.0	71,900
50	74.3	159.6	62,000
55	72.4	158.1	54,200
60	70.6	156.3	47,900
65	68.6	154.4	42,800
70	66.7	152.3	38,400
75	64.7	149.9	34,700
80	62.7	147.4	31,600
85	60.7	144.6	28,800
90	58.6	141.6	26,300
95	56.4	138.4	24,200
100	54.2	134.8	22,300
105	52.0	131.0	20,500
110	49.6	126.8	19,000
115	47.2	122.3	17,500
120	44.7	117.3	16,300
125	42.1	111.9	15,100
130	39.3	105.9	14,000
135	36.3	99.3	13,000
140	33.1	92.0	12,000
145	29.6	83.5	11,100
150	25.7	73.7	10,300
155	21.0	61.8	9,600
160	15.0	45.8	8,800
170 Ft. Boom			
28	82.8	174.5	127,000 *
30	82.2	174.2	123,700 *
32	81.5	173.9	116,600
34	80.8	173.6	106,700
36	80.1	173.2	98,300
38	79.4	172.8	91,000
40	78.7	172.4	84,600
45	77.0	171.3	71,600
50	75.3	170.0	61,700
55	73.5	168.5	53,900
60	71.7	166.9	47,700
65	70.0	165.1	42,500
70	68.1	163.2	38,100
75	66.3	161.0	34,400
80	64.4	158.6	31,200
85	62.5	156.1	28,500
90	60.6	153.3	26,000
95	58.7	150.3	23,900
100	56.6	147.0	21,900
105	54.6	143.5	20,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
110	52.5	139.8	18,700
115	50.3	135.7	17,200
120	48.1	131.3	15,900
125	45.7	126.5	14,800
130	43.3	121.3	13,700
135	40.7	115.6	12,700
140	38.1	109.4	11,700
145	35.2	102.5	10,900
150	32.1	94.8	10,000
155	28.7	86.1	9,300
160	24.9	75.9	8,600
165	20.4	63.5	7,900
180 Ft. Boom			
30	82.6	184.3	116,800 *
32	82.0	184.0	113,800 *
34	81.3	183.7	106,600
36	80.7	183.4	98,100
38	80.0	183.0	90,800
40	79.4	182.6	84,400
45	77.7	181.6	71,400
50	76.1	180.4	61,500
55	74.5	179.0	53,800
60	72.8	177.5	47,500
65	71.1	175.8	42,300
70	69.4	173.9	38,000
75	67.7	171.9	34,300
80	66.0	169.7	31,100
85	64.2	167.3	28,300
90	62.4	164.7	25,900
95	60.6	162.0	23,700
100	58.7	159.0	21,800
105	56.8	155.7	20,000
110	54.9	152.3	18,500
115	52.9	148.5	17,100
120	50.9	144.5	15,800
125	48.8	140.2	14,600
130	46.6	135.6	13,500
135	44.3	130.6	12,500
140	42.0	125.1	11,600
145	39.5	119.2	10,700
150	36.9	112.7	9,900
155	34.1	105.6	9,100
160	31.1	97.6	8,400
165	27.9	88.5	7,800
170	24.1	78.0	7,100
175	19.8	65.2	6,500

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	97,900
38	80.6	193.2	90,600
40	79.9	192.8	84,200
45	78.4	191.8	71,200
50	76.9	190.7	61,300
55	75.3	189.4	53,500
60	73.7	187.9	47,200
65	72.1	186.3	42,000
70	70.5	184.6	37,700
75	68.9	182.7	34,000
80	67.3	180.6	30,800
85	65.7	178.4	28,000
90	64.0	176.0	25,500
95	62.3	173.4	23,400
100	60.6	170.6	21,500
105	58.8	167.6	19,700
110	57.0	164.4	18,200
115	55.2	161.0	16,700
120	53.3	157.3	15,500
125	51.4	153.4	14,300
130	49.4	149.2	13,200
135	47.4	144.6	12,200
140	45.3	139.8	11,200
145	43.1	134.5	10,400
150	40.8	128.9	9,600
155	38.4	122.7	8,800
160	35.9	116.0	8,100
165	33.2	108.5	7,500
170	30.3	100.3	6,800
175	27.1	90.9	6,200
180	23.5	80.1	5,700
185	19.2	66.9	5,100



Liftcrane Boom Capacities

New York City Code
Boom No. 84
98,500 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

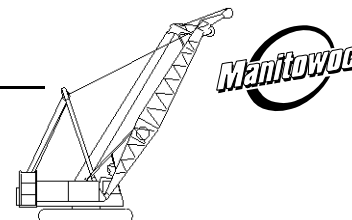
Meets
ANSI B30.5
Requirements

555 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	83,900
45	79.0	202.0	70,900
50	77.5	200.9	61,000
55	76.0	199.7	53,200
60	74.6	198.4	46,900
65	73.1	196.9	41,700
70	71.6	195.2	37,400
75	70.0	193.4	33,700
80	68.5	191.5	30,500
85	66.9	189.4	27,700
90	65.4	187.1	25,300
95	63.8	184.7	23,100
100	62.2	182.1	21,200
105	60.5	179.3	19,400
110	58.9	176.3	17,900
115	57.2	173.1	16,500
120	55.4	169.7	15,200
125	53.7	166.1	14,000
130	51.8	162.2	12,900
135	50.0	158.1	11,900
140	48.1	153.6	11,000
145	46.1	148.9	10,100
150	44.1	143.8	9,300
155	41.9	138.4	8,600
160	39.7	132.5	7,900
165	37.4	126.1	7,200
170	34.9	119.1	6,600
175	32.3	111.4	6,000
180	29.5	102.9	5,400
185	26.4	93.3	4,900
190	22.9	82.1	4,400
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	70,700
50	78.1	211.2	60,700
55	76.7	210.0	52,900
60	75.3	208.7	46,600
65	73.9	207.3	41,400
70	72.5	205.8	37,100
75	71.0	204.1	33,400
80	69.6	202.2	30,200
85	68.1	200.2	27,400
90	66.6	198.1	24,900
95	65.1	195.8	22,800
100	63.6	193.3	20,800
105	62.1	190.7	19,100
110	60.5	187.9	17,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. Boom			
115	58.9	185.0	16,100
120	57.3	181.8	14,800
125	55.7	178.4	13,700
130	54.0	174.8	12,600
135	52.3	171.0	11,600
140	50.5	166.9	10,600
145	48.7	162.6	9,800
150	46.8	158.0	9,000
155	44.9	153.0	8,200
160	42.9	147.8	7,500
165	40.9	142.1	6,900
170	38.7	136.0	6,200
175	36.5	129.4	5,700
180	34.1	122.2	5,100
185	31.5	114.2	4,600
190	28.7	105.4	4,100
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	70,400
50	78.7	221.4	60,500
55	77.3	220.3	52,700
60	76.0	219.1	46,400
65	74.7	217.7	41,200
70	73.3	216.2	36,800
75	71.9	214.6	33,100
80	70.5	212.9	29,900
85	69.2	211.0	27,200
90	67.7	209.0	24,700
95	66.3	206.8	22,500
100	64.9	204.5	20,600
105	63.4	202.0	18,900
110	62.0	199.4	17,300
115	60.5	196.6	15,900
120	59.0	193.6	14,600
125	57.4	190.5	13,400
130	55.9	187.1	12,300
135	54.3	183.5	11,300
140	52.6	179.8	10,400
145	51.0	175.8	9,600
150	49.2	171.5	8,800
155	47.5	167.0	8,000
160	45.7	162.2	7,300
165	43.8	157.1	6,600
170	41.9	151.6	6,000
175	39.9	145.7	5,400
180	37.8	139.4	4,900
185	35.6	132.6	4,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. Boom			
38	82.2	233.7	78,300 *
40	81.7	233.4	77,900 *
45	80.4	232.6	70,100
50	79.2	231.6	60,200
55	77.9	230.6	52,400
60	76.6	229.4	46,100
65	75.3	228.1	40,900
70	74.0	226.7	36,500
75	72.7	225.2	32,800
80	71.4	223.5	29,600
85	70.1	221.7	26,800
90	68.8	219.8	24,300
95	67.4	217.7	22,200
100	66.1	215.5	20,200
105	64.7	213.2	18,500
110	63.3	210.7	16,900
115	61.9	208.1	15,500
120	60.5	205.3	14,200
125	59.0	202.3	13,100
130	57.5	199.1	12,000
135	56.0	195.8	11,000
140	54.5	192.3	10,000
145	53.0	188.5	9,200
150	51.4	184.6	8,400
155	49.8	180.4	7,600
160	48.1	176.0	6,900
165	46.4	171.3	6,300
170	44.6	166.3	5,700
175	42.8	161.0	5,100
180	40.9	155.3	4,500
185	39.0	149.2	4,000



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

New York City Code

Boom No. 84

98,500 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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	59,900
55	78.4	240.8	52,100
60	77.2	239.7	45,800
65	76.0	238.4	40,600
70	74.7	237.1	36,200
75	73.5	235.6	32,500
80	72.2	234.0	29,300
85	71.0	232.3	26,500
90	69.7	230.5	24,000
95	68.4	228.6	21,900
100	67.1	226.5	19,900
105	65.8	224.2	18,200
110	64.5	221.9	16,700
115	63.2	219.4	15,200
120	61.8	216.7	13,900
125	60.4	213.9	12,800
130	59.1	210.9	11,700
135	57.6	207.8	10,700
140	56.2	204.5	9,700
145	54.8	201.0	8,900
150	53.3	197.3	8,100
155	51.8	193.4	7,300
160	50.2	189.3	6,600
165	48.6	185.0	6,000
170	47.0	180.4	5,400
175	45.3	175.5	4,800
180	43.6	170.3	4,200

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	59,600
55	78.9	251.0	51,800
60	77.7	249.9	45,500
65	76.5	248.8	40,300
70	75.4	247.5	35,900
75	74.2	246.1	32,200
80	73.0	244.5	28,900
85	71.8	242.9	26,200
90	70.5	241.2	23,700
95	69.3	239.3	21,500
100	68.1	237.3	19,600
105	66.8	235.2	17,900
110	65.6	232.9	16,300
115	64.3	230.6	14,900
120	63.0	228.0	13,600
125	61.7	225.4	12,400
130	60.4	222.6	11,300
135	59.1	219.6	10,300
140	57.7	216.5	9,400
145	56.4	213.2	8,500
150	55.0	209.7	7,700
155	53.6	206.1	7,000
160	52.1	202.2	6,300
165	50.6	198.2	5,600
170	49.1	193.9	5,000
175	47.6	189.4	4,400