

# Liftcrane Boom Capacities

# 2250 SERIES 2

**New York City Code**  
**Boom No. 44 With Heavy Lift Top**  
**209,200 Lb. Crane Counterweight**  
**60,000 Lb. Carbody Counterweight**  
**360 Degree Rating**

**Meets**  
**ANSI B30.5**  
**Requirements**

**LIFTING CAPACITIES:** Capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load for boom lengths thru 250 Ft. and New York City criteria of 1.4 factor applied to total machine moment for boom lengths 260 Ft. on up. Capacities based on structural competence are denoted by an asterisk (\*).

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. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

250 Ft. thru 300 Ft. boom lengths require only the middle three sheaves to be used on lower boom point. All other sheaves must be removed from lower boom point.

Weight of 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 with gantry up. Refer to boom rigging **No. 179809**, Wire Rope Specification chart **No. 8025-A**, and Counterweight Arrangement chart **No. 8026-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. 8027-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 30 Ft. 9 in. crawlers, 48 in. treads, 28 Ft. retractable gantry, 12 part boom hoist reeving, boom support straps, 209,200 Lb. crane counterweight and two 30,000 Lb. carbody counterweights.

Consult chart **No. 8126-A** for jib capacities.

<b>Deduct From Capacities When Jib Is Attached</b>	
Jib Length	Jib No. 132
40 Ft.	6,400 Lbs.
60 Ft.	8,200 Lbs.
80 Ft.	10,300 Lbs.
100 Ft.	12,800 Lbs.
120 Ft.	15,300 Lbs.

**Third Line Deduct**

Deduct 600 Lbs. From Boom Capacities When Boom Is Equipped For Three Line Operation.

Upper boom point cannot be used when jib is attached.  
Jib cannot be attached when boom is equipped for three line operation.



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Maximum Boom and Jib Lengths Lifted Unassisted					
Over Front of Crawlers		Over Rear of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 132	Boom Length	Jib No. 132	Boom Length	Jib No. 132
300 Ft.	—	300 Ft.	—	300 Ft.	—
290 Ft.	—	290 Ft.	—	290 Ft.	—
280 Ft.	—	280 Ft.	—	280 Ft.	—
270 Ft.	—	270 Ft.	—	270 Ft.	—
260 Ft.	80 Ft.	260 Ft.	80 Ft.	260 Ft.	80 Ft.
250 Ft.	120 Ft.	250 Ft.	120 Ft.	250 Ft.	100 Ft.
				240 Ft.	120 Ft.

Load block, hook and weight ball on ground at start.

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>70 Ft. BOOM</b>			
18	82.9	77.1	600,000 *
19	82.1	76.9	547,900 *
20	81.3	76.8	545,600 *
21	80.4	76.5	543,400 *
22	79.6	76.3	525,800 *
23	78.8	76.1	504,300 *
24	77.9	75.8	484,400 *
25	77.1	75.6	465,900 *
26	76.2	75.3	448,800 *
27	75.4	75.0	432,900 *
28	74.5	74.7	418,000 *
29	73.7	74.4	404,100 *
30	72.8	74.0	391,000 *
32	71.0	73.3	356,300
34	69.3	72.4	323,500
36	67.5	71.6	296,100
38	65.7	70.6	272,700
40	63.8	69.5	252,700
42	61.9	68.4	235,200
44	60.0	67.2	219,900
46	58.1	65.9	206,400
48	56.1	64.5	194,300
50	54.0	62.9	183,500
55	48.6	58.6	160,700
60	42.6	53.2	142,700
65	35.8	46.6	128,000
70	27.4	37.6	110,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>80 Ft. BOOM</b>			
20	82.4	86.9	526,400 *
21	81.7	86.7	523,600 *
22	80.9	86.5	521,000 *
23	80.2	86.3	503,300 *
24	79.5	86.1	483,400 *
25	78.7	85.9	465,000 *
26	78.0	85.6	447,900 *
27	77.3	85.4	432,000 *
28	76.5	85.1	417,100 *
29	75.8	84.8	403,200 *
30	75.0	84.5	390,200 *
32	73.5	83.9	356,100
34	72.0	83.2	323,300
36	70.5	82.4	295,800
38	68.9	81.6	272,500
40	67.3	80.7	252,400
42	65.8	79.8	234,900
44	64.2	78.7	219,600
46	62.5	77.6	206,000
48	60.9	76.5	194,000
50	59.2	75.2	183,100
55	54.8	71.7	160,400
60	50.2	67.6	142,300
65	45.1	62.7	127,600
70	39.6	56.8	115,400
75	33.3	49.4	105,100
80	25.4	39.7	92,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>90 Ft. BOOM</b>			
21	82.6	96.9	498,600 *
22	81.9	96.7	495,600 *
23	81.3	96.5	492,600 *
24	80.6	96.3	482,900 *
25	80.0	96.1	464,500 *
26	79.3	95.9	447,400 *
27	78.7	95.7	431,400 *
28	78.0	95.4	416,600 *
29	77.4	95.2	402,700 *
30	76.7	94.9	389,600 *
32	75.4	94.4	356,100
34	74.1	93.7	323,200
36	72.7	93.1	295,800
38	71.4	92.4	272,400
40	70.0	91.6	252,300
42	68.6	90.8	234,800
44	67.2	89.9	219,500
46	65.8	88.9	205,900
48	64.4	87.9	193,800
50	63.0	86.8	183,000
55	59.3	83.9	160,200
60	55.4	80.4	142,200
65	51.3	76.5	127,400
70	47.0	71.8	115,200
75	42.3	66.5	104,900
80	37.1	60.0	96,100
85	31.2	52.1	88,500



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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>100 Ft. BOOM</b>			
22	82.8	106.8	479,300 *
23	82.2	106.7	476,300 *
24	81.6	106.5	473,400 *
25	81.0	106.3	463,500 *
26	80.4	106.1	446,400 *
27	79.8	105.9	430,500 *
28	79.3	105.7	415,600 *
29	78.7	105.5	401,700 *
30	78.1	105.2	388,700 *
32	76.9	104.7	355,700
34	75.7	104.2	322,900
36	74.5	103.6	295,400
38	73.3	103.0	272,000
40	72.1	102.3	251,900
42	70.9	101.5	234,400
44	69.7	100.8	219,000
46	68.4	99.9	205,500
48	67.2	99.0	193,400
50	65.9	98.1	182,500
55	62.7	95.5	159,700
60	59.3	92.5	141,600
65	55.9	89.2	126,900
70	52.3	85.3	114,700
75	48.5	80.9	104,400
80	44.4	75.9	95,600
85	40.0	70.0	88,000
90	35.1	63.1	81,300
95	29.5	54.7	75,500
<b>110 Ft. BOOM</b>			
23	82.9	116.8	374,400 *
24	82.4	116.6	371,800 *
25	81.8	116.5	369,400 *
26	81.3	116.3	367,000 *
27	80.8	116.1	364,700 *
28	80.3	115.9	362,500 *
29	79.7	115.7	360,300 *
30	79.2	115.5	358,200 *
32	78.1	115.0	354,300 *
34	77.0	114.6	322,700
36	76.0	114.0	295,100
38	74.9	113.4	271,700
40	73.8	112.8	251,600
42	72.7	112.2	234,100
44	71.6	111.5	218,800
46	70.5	110.7	205,200
48	69.4	109.9	193,100
50	68.2	109.1	182,200
55	65.4	106.8	159,400
60	62.4	104.2	141,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>110 Ft. BOOM</b>			
65	59.4	101.2	126,600
70	56.3	97.9	114,400
75	53.0	94.1	104,100
80	49.6	89.9	95,300
85	46.0	85.1	87,600
90	42.2	79.7	81,000
95	38.0	73.4	75,100
100	33.3	66.0	69,900
105	28.0	57.1	65,300
<b>120 Ft. BOOM</b>			
24	83.0	126.8	363,700 *
25	82.5	126.6	361,400 *
26	82.0	126.4	359,200 *
27	81.6	126.3	357,000 *
28	81.1	126.1	354,900 *
29	80.6	125.9	352,900 *
30	80.1	125.7	350,900 *
32	79.1	125.3	347,200 *
34	78.1	124.8	322,300
36	77.2	124.4	294,700
38	76.2	123.8	271,300
40	75.2	123.3	251,100
42	74.2	122.7	233,600
44	73.2	122.0	218,200
46	72.2	121.4	204,600
48	71.2	120.6	192,500
50	70.1	119.9	181,700
55	67.6	117.8	158,900
60	64.9	115.5	140,700
65	62.2	112.8	126,000
70	59.5	109.9	113,800
75	56.6	106.6	103,500
80	53.6	102.9	94,700
85	50.6	98.8	87,000
90	47.3	94.2	80,400
95	43.9	89.1	74,500
100	40.2	83.3	69,300
105	36.2	76.6	64,700
110	31.8	68.8	60,500
115	26.7	59.3	56,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>130 Ft. BOOM</b>			
26	82.7	136.6	350,700 *
27	82.2	136.4	348,700 *
28	81.8	136.2	346,700 *
29	81.3	136.1	344,800 *
30	80.9	135.9	343,000 *
32	80.0	135.5	339,500 *
34	79.1	135.1	322,300
36	78.2	134.6	294,700
38	77.3	134.2	271,300
40	76.4	133.6	251,100
42	75.4	133.1	233,600
44	74.5	132.5	218,200
46	73.6	131.9	204,600
48	72.7	131.2	192,500
50	71.7	130.5	181,600
55	69.4	128.7	158,800
60	67.0	126.5	140,700
65	64.5	124.1	125,900
70	62.1	121.5	113,700
75	59.5	118.5	103,400
80	56.9	115.3	94,600
85	54.2	111.7	87,000
90	51.3	107.7	80,300
95	48.4	103.3	74,500
100	45.3	98.4	69,300
105	42.0	92.9	64,600
110	38.5	86.7	60,400
115	34.7	79.7	56,700
120	30.5	71.5	53,200
125	25.6	61.5	50,100



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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>140 Ft. BOOM</b>			
27	82.8	146.5	341,800 *
28	82.4	146.4	340,000 *
29	81.9	146.2	338,200 *
30	81.5	146.0	336,400 *
32	80.7	145.7	333,100 *
34	79.9	145.3	321,900
36	79.0	144.9	294,300
38	78.2	144.4	270,800
40	77.4	144.0	250,600
42	76.5	143.5	233,100
44	75.7	142.9	217,700
46	74.8	142.3	204,100
48	74.0	141.7	191,900
50	73.1	141.1	181,100
55	70.9	139.4	158,200
60	68.7	137.4	140,100
65	66.5	135.2	125,300
70	64.2	132.8	113,100
75	61.9	130.1	102,800
80	59.5	127.2	93,900
85	57.1	124.0	86,300
90	54.6	120.4	79,700
95	52.0	116.5	73,800
100	49.3	112.2	68,600
105	46.5	107.5	63,900
110	43.5	102.3	59,800
115	40.4	96.5	56,000
120	37.0	90.0	52,600
125	33.4	82.6	49,400
130	29.3	74.0	46,600
<b>150 Ft. BOOM</b>			
28	82.9	156.5	302,400 *
29	82.5	156.3	300,500 *
30	82.1	156.2	298,600 *
32	81.3	155.8	295,000 *
34	80.6	155.5	291,500 *
36	79.8	155.1	288,300 *
38	79.0	154.7	270,400
40	78.2	154.2	250,200
42	77.4	153.8	232,700
44	76.6	153.3	217,300
46	75.8	152.7	203,600
48	75.1	152.2	191,500
50	74.3	151.6	180,600
55	72.3	150.0	157,800
60	70.2	148.2	139,600
65	68.2	146.2	124,900
70	66.1	143.9	112,600
75	63.9	141.5	102,300
80	61.8	138.8	93,400
85	59.6	135.9	85,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>150 Ft. BOOM</b>			
90	57.3	132.6	79,200
95	55.0	129.1	73,300
100	52.6	125.3	68,100
105	50.1	121.2	63,400
110	47.5	116.6	59,300
115	44.8	111.6	55,500
120	42.0	106.1	52,100
125	38.9	100.0	48,900
130	35.7	93.2	46,100
135	32.2	85.4	43,400
140	28.3	76.5	41,000
<b>160 Ft. BOOM</b>			
29	83.0	166.4	292,100 *
30	82.6	166.3	290,300 *
32	81.9	166.0	287,100 *
34	81.1	165.7	284,000 *
36	80.4	165.3	281,100 *
38	79.7	164.9	269,900
40	79.0	164.5	249,700
42	78.2	164.0	232,100
44	77.5	163.6	216,700
46	76.8	163.1	203,100
48	76.0	162.6	190,900
50	75.3	162.0	180,000
55	73.4	160.5	157,200
60	71.5	158.8	139,000
65	69.6	157.0	124,200
70	67.7	154.9	112,000
75	65.7	152.6	101,600
80	63.7	150.2	92,800
85	61.7	147.5	85,100
90	59.6	144.5	78,500
95	57.5	141.3	72,600
100	55.3	137.9	67,400
105	53.1	134.1	62,800
110	50.7	130.1	58,600
115	48.4	125.6	54,800
120	45.9	120.8	51,400
125	43.3	115.6	48,200
130	40.5	109.8	45,400
135	37.6	103.4	42,700
140	34.5	96.2	40,300
145	31.1	88.2	38,000
150	27.3	78.8	35,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>170 Ft. BOOM</b>			
30	83.0	176.4	284,100 *
32	82.4	176.1	281,100 *
34	81.7	175.8	278,300 *
36	81.0	175.5	275,600 *
38	80.3	175.1	269,800
40	79.6	174.7	249,600
42	78.9	174.3	232,000
44	78.2	173.8	216,600
46	77.5	173.4	203,000
48	76.9	172.9	190,800
50	76.2	172.4	179,900
55	74.4	171.0	157,100
60	72.6	169.4	138,900
65	70.9	167.6	124,100
70	69.1	165.7	111,800
75	67.2	163.6	101,500
80	65.4	161.3	92,700
85	63.5	158.8	85,000
90	61.6	156.1	78,400
95	59.6	153.2	72,500
100	57.6	150.0	67,300
105	55.6	146.6	62,600
110	53.5	142.9	58,500
115	51.3	138.9	54,700
120	49.1	134.6	51,200
125	46.8	129.9	48,100
130	44.4	124.9	45,200
135	41.9	119.3	42,600
140	39.2	113.3	40,200
145	36.4	106.6	37,900
150	33.4	99.2	35,800
155	30.1	90.8	33,900
160	26.5	81.1	32,100



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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>180 Ft. BOOM</b>			
32	82.8	186.2	274,600 *
34	82.1	185.9	272,100 *
36	81.5	185.6	269,700 *
38	80.9	185.3	267,400 *
40	80.2	184.9	249,100
42	79.6	184.5	231,500
44	78.9	184.1	216,100
46	78.3	183.6	202,400
48	77.6	183.2	190,300
50	76.9	182.7	179,400
55	75.3	181.4	156,500
60	73.6	179.9	138,300
65	72.0	178.3	123,500
70	70.3	176.5	111,200
75	68.6	174.5	100,900
80	66.8	172.3	92,000
85	65.1	170.0	84,400
90	63.3	167.5	77,700
95	61.5	164.8	71,800
100	59.6	161.8	66,600
105	57.8	158.7	62,000
110	55.8	155.3	57,800
115	53.9	151.7	54,000
120	51.8	147.7	50,600
125	49.8	143.5	47,400
130	47.6	139.0	44,600
135	45.4	134.1	41,900
140	43.1	128.8	39,500
145	40.6	123.0	37,200
150	38.1	116.7	35,100
155	35.4	109.8	33,200
160	32.4	102.1	31,400
165	29.2	93.4	29,700
170	25.7	83.3	28,100
<b>190 Ft. BOOM</b>			
34	82.6	196.0	241,300 *
36	81.9	195.7	238,800 *
38	81.3	195.4	236,500 *
40	80.7	195.1	234,200 *
42	80.1	194.7	231,100
44	79.5	194.3	215,600
46	78.9	193.9	202,000
48	78.3	193.4	189,800
50	77.6	193.0	178,900
55	76.1	191.7	156,000
60	74.5	190.3	137,800
65	72.9	188.8	123,000
70	71.4	187.1	110,700
75	69.7	185.3	100,300
80	68.1	183.2	91,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>190 Ft. BOOM</b>			
85	66.5	181.1	83,800
90	64.8	178.7	77,200
95	63.1	176.2	71,300
100	61.4	173.4	66,100
105	59.7	170.5	61,400
110	57.9	167.4	57,200
115	56.1	164.0	53,400
120	54.2	160.4	50,000
125	52.3	156.6	46,900
130	50.3	152.4	44,000
135	48.3	148.0	41,400
140	46.2	143.2	38,900
145	44.1	138.1	36,700
150	41.8	132.6	34,600
155	39.5	126.6	32,600
160	37.0	120.0	30,800
165	34.4	112.8	29,100
170	31.5	104.8	27,500
175	28.4	95.8	26,000
<b>200 Ft. BOOM</b>			
34	82.9	206.1	233,400 *
36	82.4	205.8	231,200 *
38	81.8	205.5	229,100 *
40	81.2	205.2	227,100 *
42	80.6	204.8	225,200 *
44	80.0	204.5	215,100
46	79.4	204.1	201,400
48	78.9	203.7	189,200
50	78.3	203.2	178,300
55	76.8	202.1	155,400
60	75.3	200.7	137,100
65	73.8	199.3	122,300
70	72.3	197.7	110,000
75	70.8	195.9	99,700
80	69.3	194.0	90,800
85	67.7	192.0	83,200
90	66.2	189.8	76,500
95	64.6	187.4	70,600
100	63.0	184.8	65,400
105	61.3	182.1	60,700
110	59.7	179.2	56,500
115	58.0	176.0	52,700
120	56.3	172.7	49,300
125	54.5	169.1	46,200
130	52.7	165.3	43,300
135	50.9	161.3	40,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>200 Ft. BOOM</b>			
140	49.0	157.0	38,200
145	47.0	152.3	36,000
150	45.0	147.3	33,900
155	42.9	142.0	31,900
160	40.7	136.2	30,100
165	38.4	130.0	28,400
170	36.0	123.2	26,800
175	33.4	115.8	25,300
180	30.7	107.5	23,900
185	27.7	98.3	22,600
<b>210 Ft. BOOM</b>			
36	82.7	215.9	225,300 *
38	82.2	215.6	223,500 *
40	81.6	215.3	221,700 *
42	81.1	215.0	219,300 *
44	80.5	214.6	214,300 *
46	80.0	214.3	201,200
48	79.4	213.9	189,000
50	78.8	213.5	178,100
55	77.4	212.3	155,100
60	76.0	211.1	136,900
65	74.6	209.7	122,100
70	73.2	208.2	109,800
75	71.8	206.5	99,400
80	70.3	204.7	90,600
85	68.8	202.8	82,900
90	67.4	200.7	76,200
95	65.9	198.5	70,400
100	64.4	196.1	65,100
105	62.8	193.5	60,500
110	61.3	190.8	56,300
115	59.7	187.8	52,500
120	58.1	184.7	49,100
125	56.4	181.4	45,900
130	54.8	177.9	43,100
135	53.1	174.1	40,400
140	51.3	170.1	38,000
145	49.5	165.9	35,700
150	47.7	161.4	33,600
155	45.8	156.5	31,700
160	43.8	151.3	29,900
165	41.8	145.8	28,200
170	39.7	139.8	26,600
175	37.4	133.4	25,100
180	35.1	126.4	23,700
185	32.6	118.7	22,300
190	29.9	110.2	21,100
195	27.0	100.6	19,900



# Liftcrane Boom Capacities

# 2250 SERIES 2

**New York City Code  
Boom No. 44 With Heavy Lift Top  
209,200 Lb. Crane Counterweight  
60,000 Lb. Carbody Counterweight  
360 Degree Rating**

**Meets  
ANSI B30.5  
Requirements**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>220 Ft. BOOM</b>			
38	82.5	225.8	217,300 *
40	82.0	225.5	214,800 *
42	81.5	225.1	209,800 *
44	80.9	224.8	205,000 *
46	80.4	224.4	200,200 *
48	79.9	224.1	188,400
50	79.4	223.7	177,500
55	78.0	222.6	154,500
60	76.7	221.4	136,300
65	75.3	220.1	121,500
70	74.0	218.7	109,200
75	72.6	217.1	98,800
80	71.2	215.4	89,900
85	69.9	213.5	82,300
90	68.5	211.6	75,600
95	67.0	209.4	69,700
100	65.6	207.2	64,500
105	64.2	204.7	59,800
110	62.7	202.2	55,600
115	61.2	199.4	51,800
120	59.7	196.5	48,400
125	58.2	193.4	45,200
130	56.6	190.1	42,400
135	55.0	186.6	39,700
140	53.4	182.9	37,300
145	51.7	179.0	35,000
150	50.1	174.8	32,900
155	48.3	170.4	31,000
160	46.5	165.6	29,200
165	44.7	160.6	27,500
170	42.8	155.2	25,900
175	40.8	149.5	24,400
180	38.7	143.3	23,000
185	36.5	136.6	21,600
190	34.2	129.4	20,400
195	31.8	121.5	19,200
200	29.2	112.7	18,100
205	26.3	102.9	17,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>230 Ft. BOOM</b>			
38	82.9	235.9	193,200 *
40	82.4	235.6	191,600 *
42	81.8	235.3	190,000 *
44	81.3	234.9	188,500 *
46	80.8	234.6	187,100 *
48	80.3	234.2	183,900 *
50	79.8	233.9	177,000
55	78.6	232.9	154,000
60	77.3	231.7	135,800
65	76.0	230.5	120,900
70	74.7	229.1	108,600
75	73.4	227.6	98,200
80	72.1	226.0	89,400
85	70.8	224.2	81,700
90	69.4	222.3	75,000
95	68.1	220.3	69,100
100	66.7	218.2	63,900
105	65.4	215.9	59,200
110	64.0	213.4	55,000
115	62.6	210.8	51,200
120	61.2	208.1	47,800
125	59.7	205.1	44,700
130	58.3	202.1	41,800
135	56.8	198.8	39,100
140	55.2	195.3	36,700
145	53.7	191.7	34,400
150	52.1	187.8	32,400
155	50.5	183.7	30,400
160	48.9	179.3	28,600
165	47.2	174.7	26,900
170	45.4	169.8	25,300
175	43.6	164.6	23,800
180	41.8	159.0	22,400
185	39.8	153.1	21,100
190	37.8	146.7	19,800
195	35.7	139.8	18,600
200	33.5	132.4	17,500
205	31.1	124.2	16,400
210	28.5	115.2	15,400
215	25.7	105.1	14,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>240 Ft. BOOM</b>			
40	82.7	245.7	185,800 *
42	82.2	245.4	184,400 *
44	81.7	245.1	181,900 *
46	81.2	244.7	178,400 *
48	80.7	244.4	174,900 *
50	80.3	244.0	171,300 *
55	79.0	243.1	153,400
60	77.8	242.0	135,200
65	76.6	240.8	120,300
70	75.4	239.5	108,000
75	74.1	238.0	97,600
80	72.9	236.5	88,700
85	71.6	234.8	81,000
90	70.3	233.0	74,400
95	69.1	231.1	68,500
100	67.8	229.1	63,200
105	66.5	226.9	58,600
110	65.2	224.6	54,400
115	63.8	222.1	50,600
120	62.5	219.5	47,100
125	61.1	216.7	44,000
130	59.7	213.8	41,100
135	58.3	210.7	38,400
140	56.9	207.5	36,000
145	55.5	204.0	33,700
150	54.0	200.4	31,600
155	52.5	196.6	29,700
160	50.9	192.5	27,900
165	49.4	188.2	26,200
170	47.8	183.7	24,600
175	46.1	178.9	23,100
180	44.4	173.9	21,700
185	42.6	168.5	20,300
190	40.8	162.7	19,100
195	38.9	156.6	17,900
200	37.0	150.0	16,800
205	34.9	142.9	15,700
210	32.7	135.3	14,700
215	30.4	126.9	13,700
220	27.9	117.7	12,800
225	25.1	107.3	11,900 *



# Liftcrane Boom Capacities

# 2250 SERIES 2

**New York City Code**  
**Boom No. 44 With Heavy Lift Top**  
**209,200 Lb. Crane Counterweight**  
**60,000 Lb. Carbody Counterweight**  
**360 Degree Rating**

**Meets  
ANSI B30.5  
Requirements**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>250 Ft. BOOM</b>			
40	83.0	255.8	179,100 *
42	82.5	255.5	177,900 *
44	82.0	255.2	174,900 *
46	81.6	254.9	171,600 *
48	81.1	254.6	168,200 *
50	80.6	254.2	164,900 *
55	79.5	253.3	154,200
60	78.3	252.2	136,000
65	77.1	251.1	121,100
70	76.0	249.8	108,800
75	74.8	248.5	98,400
80	73.6	247.0	89,500
85	72.4	245.4	81,900
90	71.2	243.7	75,200
95	69.9	241.8	69,300
100	68.7	239.9	64,100
105	67.5	237.8	59,400
110	66.2	235.6	55,200
115	64.9	233.3	51,400
120	63.7	230.8	48,000
125	62.4	228.2	44,800
130	61.1	225.4	41,900
135	59.7	222.5	39,300
140	58.4	219.4	36,900
145	57.0	216.2	34,600
150	55.6	212.7	32,500
155	54.2	209.1	30,600
160	52.8	205.4	28,700
165	51.3	201.4	27,000
170	49.8	197.2	25,400
175	48.3	192.7	23,900
180	46.7	188.0	22,500
185	45.1	183.1	21,200
190	43.4	177.8	20,000
195	41.7	172.2	18,800
200	40.0	166.3	17,600
205	38.1	160.0	16,600
210	36.2	153.2	15,600
215	34.2	146.0	14,600
220	32.0	138.1	13,700
225	29.7	129.5	12,800
230	27.3	120.1	12,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>260 Ft. BOOM</b>			
42	82.8	265.6	169,400 *
44	82.4	265.3	166,100 *
46	81.9	265.0	162,800 *
48	81.5	264.7	159,700 *
50	81.0	264.4	156,500 *
55	79.9	263.5	137,700
60	78.8	262.5	120,300
65	77.6	261.4	106,100
70	76.5	260.1	94,300
75	75.4	258.8	84,400
80	74.2	257.4	75,900
85	73.1	255.9	68,600
90	71.9	254.2	62,100
95	70.7	252.5	56,500
100	69.6	250.6	51,500
105	68.4	248.6	47,000
110	67.2	246.5	43,000
115	66.0	244.3	39,400
120	64.8	241.9	36,100
125	63.5	239.4	33,100
130	62.3	236.8	30,300
135	61.0	234.0	27,800
140	59.8	231.1	25,500
145	58.5	228.1	23,300
150	57.1	224.8	21,300
155	55.8	221.4	19,400
160	54.5	217.9	17,700
165	53.1	214.1	16,100
170	51.7	210.2	14,600
175	50.2	206.0	13,100
180	48.8	201.7	11,800
185	47.3	197.1	10,500
190	45.8	192.2	9,300
195	44.2	187.1	8,200
200	42.6	181.7	7,100
205	40.9	176.0	6,100
210	39.1	169.9	5,100
215	37.3	163.4	4,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>270 Ft. BOOM</b>			
44	82.6	275.4	153,900 *
46	82.2	275.1	151,800 *
48	81.8	274.8	148,900 *
50	81.3	274.5	146,100 *
55	80.3	273.6	137,000
60	79.2	272.7	119,500
65	78.1	271.6	105,300
70	77.0	270.4	93,500
75	75.9	269.2	83,600
80	74.8	267.8	75,100
85	73.7	266.4	67,800
90	72.6	264.8	61,400
95	71.5	263.1	55,700
100	70.4	261.3	50,700
105	69.2	259.4	46,200
110	68.1	257.4	42,200
115	66.9	255.3	38,600
120	65.8	253.0	35,300
125	64.6	250.6	32,300
130	63.4	248.1	29,500
135	62.2	245.5	27,000
140	61.0	242.7	24,700
145	59.8	239.8	22,500
150	58.5	236.7	20,500
155	57.3	233.5	18,600
160	56.0	230.1	16,900
165	54.7	226.6	15,300
170	53.4	222.9	13,700
175	52.0	219.0	12,300
180	50.6	214.9	10,900
185	49.2	210.6	9,700
190	47.8	206.1	8,500
195	46.3	201.3	7,300
200	44.8	196.3	6,300
205	43.3	191.1	5,200
210	41.7	185.5	4,300



# Liftcrane Boom Capacities

# 2250 SERIES 2

**New York City Code  
Boom No. 44 With Heavy Lift Top  
209,200 Lb. Crane Counterweight  
60,000 Lb. Carbody Counterweight  
360 Degree Rating**

**Meets  
ANSI B30.5  
Requirements**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>280 Ft. BOOM</b>			
44	82.9	285.5	142,700 *
46	82.5	285.2	142,000 *
48	82.1	284.9	141,300 *
50	81.7	284.6	138,600 *
55	80.6	283.8	130,900 *
60	79.6	282.9	119,300
65	78.5	281.8	105,100
70	77.5	280.7	93,300
75	76.4	279.5	83,400
80	75.4	278.2	74,900
85	74.3	276.8	67,500
90	73.2	275.3	61,100
95	72.2	273.7	55,400
100	71.1	271.9	50,400
105	70.0	270.1	46,000
110	68.9	268.2	41,900
115	67.8	266.1	38,300
120	66.7	264.0	35,000
125	65.6	261.7	32,000
130	64.4	259.3	29,200
135	63.3	256.8	26,700
140	62.1	254.1	24,400
145	61.0	251.4	22,200
150	59.8	248.5	20,200
155	58.6	245.4	18,300
160	57.4	242.2	16,600
165	56.1	238.8	14,900
170	54.9	235.3	13,400
175	53.6	231.6	12,000
180	52.3	227.8	10,600
185	51.0	223.7	9,400
190	49.7	219.5	8,200
195	48.3	215.1	7,000
200	46.9	210.4	5,900
205	45.5	205.5	4,900
210	44.0	200.3	4,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>290 Ft. BOOM</b>			
46	82.7	295.3	132,000 *
48	82.3	295.0	131,400 *
50	81.9	294.7	130,800 *
55	80.9	293.9	129,600 *
60	79.9	293.0	118,800
65	78.9	292.1	104,600
70	77.9	291.0	92,800
75	76.9	289.8	82,800
80	75.9	288.6	74,300
85	74.9	287.2	67,000
90	73.8	285.7	60,600
95	72.8	284.2	54,900
100	71.8	282.5	49,900
105	70.7	280.8	45,400
110	69.7	278.9	41,400
115	68.6	277.0	37,800
120	67.5	274.9	34,500
125	66.5	272.7	31,500
130	65.4	270.4	28,700
135	64.3	268.0	26,200
140	63.2	265.5	23,800
145	62.0	262.8	21,700
150	60.9	260.0	19,600
155	59.8	257.1	17,800
160	58.6	254.1	16,000
165	57.4	250.9	14,400
170	56.3	247.5	12,900
175	55.1	244.0	11,400
180	53.8	240.4	10,100
185	52.6	236.6	8,800
190	51.3	232.6	7,600
195	50.0	228.4	6,500
200	48.7	224.0	5,400
205	47.4	219.4	4,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>300 Ft. BOOM</b>			
46	83.0	305.4	123,300 *
48	82.6	305.1	122,900 *
50	82.2	304.8	122,600 *
55	81.3	304.1	120,400 *
60	80.3	303.2	116,000 *
65	79.3	302.3	103,700
70	78.3	301.2	91,900
75	77.4	300.1	81,900
80	76.4	298.9	73,400
85	75.4	297.6	66,100
90	74.4	296.2	59,600
95	73.4	294.7	54,000
100	72.4	293.1	49,000
105	71.4	291.4	44,500
110	70.4	289.6	40,500
115	69.4	287.7	36,800
120	68.3	285.7	33,500
125	67.3	283.6	30,500
130	66.2	281.4	27,700
135	65.2	279.1	25,200
140	64.1	276.7	22,900
145	63.1	274.1	20,700
150	62.0	271.5	18,700
155	60.9	268.7	16,800
160	59.8	265.8	15,100
165	58.7	262.7	13,400
170	57.5	259.6	11,900
175	56.4	256.2	10,500
180	55.2	252.8	9,100
185	54.0	249.1	7,800
190	52.8	245.4	6,600
195	51.6	241.4	5,500
200	50.4	237.3	4,400