

Liftcrane Boom Capacities

2250 SERIES 1

New York City Code
Boom No. 44 With Heavy Lift Top
169,200 Lb. 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, and 169,200 Lb. counterweight.

Consult chart **No. 8120-A** for jib capacities.

Deduct From Capacities When Jib Is Attached	
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 Blocked 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
(a) 300 Ft.	—	(a) 290 Ft.	—	260 Ft.	—
290 Ft.	—	280 Ft.	—	250 Ft.	—
280 Ft.	—	270 Ft.	—	240 Ft.	—
270 Ft.	—	260 Ft.	---	230 Ft.	40 Ft.
260 Ft.	40 Ft.	250 Ft.	60 Ft.	220 Ft.	80 Ft.
(b) 260 Ft.	60 Ft.	240 Ft.	60 Ft.	210 Ft.	100 Ft.
250 Ft.	80 Ft.	230 Ft.	100 Ft.	200 Ft.	120 Ft.
(b) 240 Ft.	100 Ft.	220 Ft.	120 Ft.		
230 Ft.	120 Ft.				

Load block, hook and weight ball on ground at start. (a) Upper boom point and third line sheave assembly on boom top must be removed on 300 Ft. boom and cannot be lifted over rear of blocked crawlers on 290 Ft. boom. (b) Machine must be equipped with optional upperworks jacking cylinders.

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. BOOM			
18	82.9	77.1	551,200 *
19	82.1	76.9	547,900 *
20	81.3	76.8	545,600 *
21	80.4	76.5	527,000 *
22	79.6	76.3	504,500 *
23	78.8	76.1	483,800 *
24	77.9	75.8	464,700 *
25	77.1	75.6	441,600
26	76.2	75.3	410,500
27	75.4	75.0	383,300
28	74.5	74.7	359,400
29	73.7	74.4	338,200
30	72.8	74.0	319,300
32	71.0	73.3	287,000
34	69.3	72.4	260,400
36	67.5	71.6	238,100
38	65.7	70.6	219,100
40	63.8	69.5	202,800
42	61.9	68.4	188,600
44	60.0	67.2	176,200
46	58.1	65.9	165,100
48	56.1	64.5	155,300
50	54.0	62.9	146,500
55	48.6	58.6	128,100
60	42.6	53.2	113,400
65	35.8	46.6	101,400
70	27.4	37.6	91,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	526,400 *
21	81.7	86.7	523,600 *
22	80.9	86.5	503,500 *
23	80.2	86.3	482,900 *
24	79.5	86.1	463,800 *
25	78.7	85.9	441,600
26	78.0	85.6	410,400
27	77.3	85.4	383,200
28	76.5	85.1	359,300
29	75.8	84.8	338,100
30	75.0	84.5	319,200
32	73.5	83.9	286,800
34	72.0	83.2	260,200
36	70.5	82.4	237,800
38	68.9	81.6	218,800
40	67.3	80.7	202,500
42	65.8	79.8	188,300
44	64.2	78.7	175,900
46	62.5	77.6	164,800
48	60.9	76.5	155,000
50	59.2	75.2	146,200
55	54.8	71.7	127,700
60	50.2	67.6	113,000
65	45.1	62.7	101,100
70	39.6	56.8	91,100
75	33.3	49.4	82,700
80	25.4	39.7	75,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
21	82.6	96.9	498,600 *
22	81.9	96.7	495,600 *
23	81.3	96.5	482,200 *
24	80.6	96.3	463,200 *
25	80.0	96.1	441,700
26	79.3	95.9	410,500
27	78.7	95.7	383,300
28	78.0	95.4	359,300
29	77.4	95.2	338,100
30	76.7	94.9	319,100
32	75.4	94.4	286,700
34	74.1	93.7	260,100
36	72.7	93.1	237,700
38	71.4	92.4	218,700
40	70.0	91.6	202,400
42	68.6	90.8	188,200
44	67.2	89.9	175,700
46	65.8	88.9	164,700
48	64.4	87.9	154,800
50	63.0	86.8	146,000
55	59.3	83.9	127,500
60	55.4	80.4	112,800
65	51.3	76.5	100,900
70	47.0	71.8	90,900
75	42.3	66.5	82,600
80	37.1	60.0	75,400
85	31.2	52.1	69,200

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100 Ft. BOOM			
22	82.8	106.8	479,300 *
23	82.2	106.7	476,300 *
24	81.6	106.5	462,200 *
25	81.0	106.3	441,500
26	80.4	106.1	410,300
27	79.8	105.9	383,100
28	79.3	105.7	359,100
29	78.7	105.5	337,800
30	78.1	105.2	318,900
32	76.9	104.7	286,400
34	75.7	104.2	259,700
36	74.5	103.6	237,300
38	73.3	103.0	218,300
40	72.1	102.3	202,000
42	70.9	101.5	187,700
44	69.7	100.8	175,300
46	68.4	99.9	164,200
48	67.2	99.0	154,400
50	65.9	98.1	145,600
55	62.7	95.5	127,000
60	59.3	92.5	112,300
65	55.9	89.2	100,400
70	52.3	85.3	90,400
75	48.5	80.9	82,000
80	44.4	75.9	74,900
85	40.0	70.0	68,700
90	35.1	63.1	63,300
95	29.5	54.7	58,500
110 Ft. BOOM			
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	358,900
29	79.7	115.7	337,700
30	79.2	115.5	318,700
32	78.1	115.0	286,200
34	77.0	114.6	259,500
36	76.0	114.0	237,100
38	74.9	113.4	218,100
40	73.8	112.8	201,700
42	72.7	112.2	187,400
44	71.6	111.5	175,000
46	70.5	110.7	163,900
48	69.4	109.9	154,100
50	68.2	109.1	145,200
55	65.4	106.8	126,700
60	62.4	104.2	112,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
65	59.4	101.2	100,000
70	56.3	97.9	90,100
75	53.0	94.1	81,700
80	49.6	89.9	74,500
85	46.0	85.1	68,300
90	42.2	79.7	62,900
95	38.0	73.4	58,100
100	33.3	66.0	53,900
105	28.0	57.1	50,100
120 Ft. BOOM			
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	337,300
30	80.1	125.7	318,300
32	79.1	125.3	285,800
34	78.1	124.8	259,100
36	77.2	124.4	236,700
38	76.2	123.8	217,600
40	75.2	123.3	201,200
42	74.2	122.7	187,000
44	73.2	122.0	174,500
46	72.2	121.4	163,400
48	71.2	120.6	153,500
50	70.1	119.9	144,700
55	67.6	117.8	126,200
60	64.9	115.5	111,400
65	62.2	112.8	99,400
70	59.5	109.9	89,500
75	56.6	106.6	81,100
80	53.6	102.9	73,900
85	50.6	98.8	67,700
90	47.3	94.2	62,300
95	43.9	89.1	57,500
100	40.2	83.3	53,300
105	36.2	76.6	49,500
110	31.8	68.8	46,100
115	26.7	59.3	43,000
130 Ft. BOOM			
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	337,400
30	80.9	135.9	318,300
32	80.0	135.5	285,800
34	79.1	135.1	259,100
36	78.2	134.6	236,600
38	77.3	134.2	217,600
40	76.4	133.6	201,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
42	75.4	133.1	186,900
44	74.5	132.5	174,400
46	73.6	131.9	163,300
48	72.7	131.2	153,500
50	71.7	130.5	144,600
55	69.4	128.7	126,100
60	67.0	126.5	111,300
65	64.5	124.1	99,300
70	62.1	121.5	89,400
75	59.5	118.5	81,000
80	56.9	115.3	73,800
85	54.2	111.7	67,600
90	51.3	107.7	62,200
95	48.4	103.3	57,400
100	45.3	98.4	53,200
105	42.0	92.9	49,400
110	38.5	86.7	46,000
115	34.7	79.7	42,900
120	30.5	71.5	40,100
125	25.6	61.5	37,600
140 Ft. BOOM			
27	82.8	146.5	341,800 *
28	82.4	146.4	340,000 *
29	81.9	146.2	337,000
30	81.5	146.0	318,000
32	80.7	145.7	285,400
34	79.9	145.3	258,600
36	79.0	144.9	236,200
38	78.2	144.4	217,100
40	77.4	144.0	200,700
42	76.5	143.5	186,400
44	75.7	142.9	173,900
46	74.8	142.3	162,800
48	74.0	141.7	152,900
50	73.1	141.1	144,100
55	70.9	139.4	125,500
60	68.7	137.4	110,700
65	66.5	135.2	98,700
70	64.2	132.8	88,800
75	61.9	130.1	80,400
80	59.5	127.2	73,200
85	57.1	124.0	67,000
90	54.6	120.4	61,600
95	52.0	116.5	56,800
100	49.3	112.2	52,500
105	46.5	107.5	48,800
110	43.5	102.3	45,400
115	40.4	96.5	42,300
120	37.0	90.0	39,500
125	33.4	82.6	36,900
130	29.3	74.0	34,600

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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
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	285,100
34	80.6	155.5	258,300
36	79.8	155.1	235,800
38	79.0	154.7	216,700
40	78.2	154.2	200,300
42	77.4	153.8	186,000
44	76.6	153.3	173,400
46	75.8	152.7	162,300
48	75.1	152.2	152,500
50	74.3	151.6	143,600
55	72.3	150.0	125,000
60	70.2	148.2	110,200
65	68.2	146.2	98,200
70	66.1	143.9	88,300
75	63.9	141.5	79,800
80	61.8	138.8	72,700
85	59.6	135.9	66,500
90	57.3	132.6	61,000
95	55.0	129.1	56,300
100	52.6	125.3	52,000
105	50.1	121.2	48,200
110	47.5	116.6	44,800
115	44.8	111.6	41,800
120	42.0	106.1	39,000
125	38.9	100.0	36,400
130	35.7	93.2	34,100
135	32.2	85.4	31,900
140	28.3	76.5	29,900
160 Ft. BOOM			
29	83.0	166.4	292,100 *
30	82.6	166.3	290,300 *
32	81.9	166.0	284,700
34	81.1	165.7	257,800
36	80.4	165.3	235,300
38	79.7	164.9	216,200
40	79.0	164.5	199,700
42	78.2	164.0	185,400
44	77.5	163.6	172,900
46	76.8	163.1	161,800
48	76.0	162.6	151,900
50	75.3	162.0	143,000
55	73.4	160.5	124,400
60	71.5	158.8	109,600
65	69.6	157.0	97,600
70	67.7	154.9	87,600
75	65.7	152.6	79,200
80	63.7	150.2	72,000
85	61.7	147.5	65,800
90	59.6	144.5	60,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
95	57.5	141.3	55,600
100	55.3	137.9	51,300
105	53.1	134.1	47,600
110	50.7	130.1	44,200
115	48.4	125.6	41,100
120	45.9	120.8	38,300
125	43.3	115.6	35,700
130	40.5	109.8	33,400
135	37.6	103.4	31,200
140	34.5	96.2	29,300
145	31.1	88.2	27,400
150	27.3	78.8	25,700
170 Ft. BOOM			
30	83.0	176.4	284,100 *
32	82.4	176.1	281,100 *
34	81.7	175.8	257,700
36	81.0	175.5	235,200
38	80.3	175.1	216,100
40	79.6	174.7	199,600
42	78.9	174.3	185,300
44	78.2	173.8	172,800
46	77.5	173.4	161,700
48	76.9	172.9	151,800
50	76.2	172.4	142,900
55	74.4	171.0	124,300
60	72.6	169.4	109,500
65	70.9	167.6	97,500
70	69.1	165.7	87,500
75	67.2	163.6	79,100
80	65.4	161.3	71,900
85	63.5	158.8	65,700
90	61.6	156.1	60,200
95	59.6	153.2	55,500
100	57.6	150.0	51,200
105	55.6	146.6	47,400
110	53.5	142.9	44,000
115	51.3	138.9	40,900
120	49.1	134.6	38,100
125	46.8	129.9	35,600
130	44.4	124.9	33,300
135	41.9	119.3	31,100
140	39.2	113.3	29,100
145	36.4	106.6	27,300
150	33.4	99.2	25,600
155	30.1	90.8	24,000
160	26.5	81.1	22,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	274,600 *
34	82.1	185.9	257,300
36	81.5	185.6	234,800
38	80.9	185.3	215,600
40	80.2	184.9	199,100
42	79.6	184.5	184,800
44	78.9	184.1	172,200
46	78.3	183.6	161,100
48	77.6	183.2	151,200
50	76.9	182.7	142,300
55	75.3	181.4	123,700
60	73.6	179.9	108,900
65	72.0	178.3	96,900
70	70.3	176.5	86,900
75	68.6	174.5	78,400
80	66.8	172.3	71,200
85	65.1	170.0	65,000
90	63.3	167.5	59,600
95	61.5	164.8	54,800
100	59.6	161.8	50,600
105	57.8	158.7	46,800
110	55.8	155.3	43,400
115	53.9	151.7	40,300
120	51.8	147.7	37,500
125	49.8	143.5	34,900
130	47.6	139.0	32,600
135	45.4	134.1	30,400
140	43.1	128.8	28,400
145	40.6	123.0	26,600
150	38.1	116.7	24,900
155	35.4	109.8	23,300
160	32.4	102.1	21,800
165	29.2	93.4	20,400
170	25.7	83.3	19,100

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190 Ft. BOOM			
34	82.6	196.0	241,300 *
36	81.9	195.7	234,300
38	81.3	195.4	215,200
40	80.7	195.1	198,700
42	80.1	194.7	184,300
44	79.5	194.3	171,800
46	78.9	193.9	160,600
48	78.3	193.4	150,700
50	77.6	193.0	141,800
55	76.1	191.7	123,200
60	74.5	190.3	108,400
65	72.9	188.8	96,300
70	71.4	187.1	86,300
75	69.7	185.3	77,900
80	68.1	183.2	70,700
85	66.5	181.1	64,500
90	64.8	178.7	59,000
95	63.1	176.2	54,200
100	61.4	173.4	50,000
105	59.7	170.5	46,200
110	57.9	167.4	42,800
115	56.1	164.0	39,700
120	54.2	160.4	36,900
125	52.3	156.6	34,300
130	50.3	152.4	32,000
135	48.3	148.0	29,900
140	46.2	143.2	27,900
145	44.1	138.1	26,000
150	41.8	132.6	24,300
155	39.5	126.6	22,700
160	37.0	120.0	21,300
165	34.4	112.8	19,900
170	31.5	104.8	18,600
175	28.4	95.8	17,400
200 Ft. BOOM			
34	82.9	206.1	233,400 *
36	82.4	205.8	231,200 *
38	81.8	205.5	214,700
40	81.2	205.2	198,200
42	80.6	204.8	183,800
44	80.0	204.5	171,200
46	79.4	204.1	160,100
48	78.9	203.7	150,200
50	78.3	203.2	141,300
55	76.8	202.1	122,600
60	75.3	200.7	107,800
65	73.8	199.3	95,700
70	72.3	197.7	85,700
75	70.8	195.9	77,200
80	69.3	194.0	70,000
85	67.7	192.0	63,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
90	66.2	189.8	58,400
95	64.6	187.4	53,600
100	63.0	184.8	49,300
105	61.3	182.1	45,500
110	59.7	179.2	42,100
115	58.0	176.0	39,000
120	56.3	172.7	36,200
125	54.5	169.1	33,700
130	52.7	165.3	31,300
135	50.9	161.3	29,200
140	49.0	157.0	27,200
145	47.0	152.3	25,300
150	45.0	147.3	23,600
155	42.9	142.0	22,000
160	40.7	136.2	20,600
165	38.4	130.0	19,200
170	36.0	123.2	17,900
175	33.4	115.8	16,700
180	30.7	107.5	15,500
185	27.7	98.3	14,400
210 Ft. BOOM			
36	82.7	215.9	225,300 *
38	82.2	215.6	214,400
40	81.6	215.3	197,900
42	81.1	215.0	183,600
44	80.5	214.6	171,000
46	80.0	214.3	159,800
48	79.4	213.9	149,900
50	78.8	213.5	141,000
55	77.4	212.3	122,300
60	76.0	211.1	107,500
65	74.6	209.7	95,400
70	73.2	208.2	85,400
75	71.8	206.5	77,000
80	70.3	204.7	69,800
85	68.8	202.8	63,500
90	67.4	200.7	58,100
95	65.9	198.5	53,300
100	64.4	196.1	49,100
105	62.8	193.5	45,300
110	61.3	190.8	41,800
115	59.7	187.8	38,800
120	58.1	184.7	36,000
125	56.4	181.4	33,400
130	54.8	177.9	31,100
135	53.1	174.1	28,900
140	51.3	170.1	26,900
145	49.5	165.9	25,100
150	47.7	161.4	23,400
155	45.8	156.5	21,800
160	43.8	151.3	20,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. BOOM			
165	41.8	145.8	18,900
170	39.7	139.8	17,600
175	37.4	133.4	16,400
180	35.1	126.4	15,300
185	32.6	118.7	14,200
190	29.9	110.2	13,100
195	27.0	100.6	12,200
220 Ft. BOOM			
38	82.5	225.8	214,000
40	82.0	225.5	197,400
42	81.5	225.1	183,100
44	80.9	224.8	170,500
46	80.4	224.4	159,300
48	79.9	224.1	149,400
50	79.4	223.7	140,500
55	78.0	222.6	121,800
60	76.7	221.4	106,900
65	75.3	220.1	94,800
70	74.0	218.7	84,800
75	72.6	217.1	76,400
80	71.2	215.4	69,100
85	69.9	213.5	62,900
90	68.5	211.6	57,400
95	67.0	209.4	52,600
100	65.6	207.2	48,400
105	64.2	204.7	44,600
110	62.7	202.2	41,200
115	61.2	199.4	38,100
120	59.7	196.5	35,300
125	58.2	193.4	32,700
130	56.6	190.1	30,400
135	55.0	186.6	28,200
140	53.4	182.9	26,200
145	51.7	179.0	24,400
150	50.1	174.8	22,700
155	48.3	170.4	21,100
160	46.5	165.6	19,600
165	44.7	160.6	18,200
170	42.8	155.2	16,900
175	40.8	149.5	15,700
180	38.7	143.3	14,600
185	36.5	136.6	13,500
190	34.2	129.4	12,500
195	31.8	121.5	11,500
200	29.2	112.7	10,600
205	26.3	102.9	9,700



Liftcrane Boom Capacities

2250 SERIES 1

New York City Code
Boom No. 44 With Heavy Lift Top
169,200 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. BOOM			
38	82.9	235.9	193,200 *
40	82.4	235.6	191,600 *
42	81.8	235.3	182,600
44	81.3	234.9	170,000
46	80.8	234.6	158,800
48	80.3	234.2	148,900
50	79.8	233.9	140,000
55	78.6	232.9	121,200
60	77.3	231.7	106,400
65	76.0	230.5	94,300
70	74.7	229.1	84,200
75	73.4	227.6	75,800
80	72.1	226.0	68,600
85	70.8	224.2	62,300
90	69.4	222.3	56,900
95	68.1	220.3	52,100
100	66.7	218.2	47,800
105	65.4	215.9	44,000
110	64.0	213.4	40,600
115	62.6	210.8	37,500
120	61.2	208.1	34,700
125	59.7	205.1	32,100
130	58.3	202.1	29,800
135	56.8	198.8	27,600
140	55.2	195.3	25,600
145	53.7	191.7	23,800
150	52.1	187.8	22,100
155	50.5	183.7	20,500
160	48.9	179.3	19,000
165	47.2	174.7	17,600
170	45.4	169.8	16,300
175	43.6	164.6	15,100
180	41.8	159.0	14,000
185	39.8	153.1	12,900
190	37.8	146.7	11,900
195	35.7	139.8	10,900
200	33.5	132.4	10,000
205	31.1	124.2	9,100
210	28.5	115.2	8,300
215	25.7	105.1	7,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. BOOM			
40	82.7	245.7	185,800 *
42	82.2	245.4	182,100
44	81.7	245.1	169,400
46	81.2	244.7	158,300
48	80.7	244.4	148,300
50	80.3	244.0	139,400
55	79.0	243.1	120,700
60	77.8	242.0	105,800
65	76.6	240.8	93,700
70	75.4	239.5	83,600
75	74.1	238.0	75,100
80	72.9	236.5	67,900
85	71.6	234.8	61,700
90	70.3	233.0	56,200
95	69.1	231.1	51,400
100	67.8	229.1	47,100
105	66.5	226.9	43,300
110	65.2	224.6	39,900
115	63.8	222.1	36,800
120	62.5	219.5	34,000
125	61.1	216.7	31,400
130	59.7	213.8	29,100
135	58.3	210.7	26,900
140	56.9	207.5	24,900
145	55.5	204.0	23,100
150	54.0	200.4	21,400
155	52.5	196.6	19,800
160	50.9	192.5	18,300
165	49.4	188.2	16,900
170	47.8	183.7	15,600
175	46.1	178.9	14,400
180	44.4	173.9	13,300
185	42.6	168.5	12,200
190	40.8	162.7	11,100
195	38.9	156.6	10,200
200	37.0	150.0	9,300
205	34.9	142.9	8,400
210	32.7	135.3	7,600
215	30.4	126.9	6,800
220	27.9	117.7	6,000
225	25.1	107.3	5,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250 Ft. BOOM			
40	83.0	255.8	179,100 *
42	82.5	255.5	177,900 *
44	82.0	255.2	170,200
46	81.6	254.9	159,000
48	81.1	254.6	149,100
50	80.6	254.2	140,200
55	79.5	253.3	121,400
60	78.3	252.2	106,600
65	77.1	251.1	94,500
70	76.0	249.8	84,400
75	74.8	248.5	76,000
80	73.6	247.0	68,700
85	72.4	245.4	62,500
90	71.2	243.7	57,000
95	69.9	241.8	52,200
100	68.7	239.9	48,000
105	67.5	237.8	44,200
110	66.2	235.6	40,700
115	64.9	233.3	37,600
120	63.7	230.8	34,800
125	62.4	228.2	32,300
130	61.1	225.4	29,900
135	59.7	222.5	27,800
140	58.4	219.4	25,800
145	57.0	216.2	23,900
150	55.6	212.7	22,200
155	54.2	209.1	20,600
160	52.8	205.4	19,200
165	51.3	201.4	17,800
170	49.8	197.2	16,500
175	48.3	192.7	15,300
180	46.7	188.0	14,100
185	45.1	183.1	13,000
190	43.4	177.8	12,000
195	41.7	172.2	11,000
200	40.0	166.3	10,100
205	38.1	160.0	9,300
210	36.2	153.2	8,400
215	34.2	146.0	7,600
220	32.0	138.1	6,900
225	29.7	129.5	6,200
230	27.3	120.1	5,500

Liftcrane Boom Capacities

2250 SERIES 1

New York City Code
Boom No. 44 With Heavy Lift Top
169,200 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. BOOM			
42	82.8	265.6	165,200
44	82.4	265.3	153,100
46	81.9	265.0	142,400
48	81.5	264.7	132,900
50	81.0	264.4	124,400
55	79.9	263.5	106,500
60	78.8	262.5	92,200
65	77.6	261.4	80,600
70	76.5	260.1	71,000
75	75.4	258.8	62,900
80	74.2	257.4	56,000
85	73.1	255.9	50,000
90	71.9	254.2	44,800
95	70.7	252.5	40,200
100	69.6	250.6	36,100
105	68.4	248.6	32,500
110	67.2	246.5	29,200
115	66.0	244.3	26,200
120	64.8	241.9	23,500
125	63.5	239.4	21,100
130	62.3	236.8	18,800
135	61.0	234.0	16,800
140	59.8	231.1	14,900
145	58.5	228.1	13,100
150	57.1	224.8	11,500
155	55.8	221.4	9,900
160	54.5	217.9	8,500
165	53.1	214.1	7,200
170	51.7	210.2	5,900
175	50.2	206.0	4,800
270 Ft. BOOM			
44	82.6	275.4	152,400
46	82.2	275.1	141,700
48	81.8	274.8	132,200
50	81.3	274.5	123,700
55	80.3	273.6	105,700
60	79.2	272.7	91,500
65	78.1	271.6	79,900
70	77.0	270.4	70,300
75	75.9	269.2	62,100
80	74.8	267.8	55,200
85	73.7	266.4	49,200
90	72.6	264.8	44,000
95	71.5	263.1	39,400
100	70.4	261.3	35,300
105	69.2	259.4	31,700
110	68.1	257.4	28,400
115	66.9	255.3	25,400
120	65.8	253.0	22,700
125	64.6	250.6	20,300
130	63.4	248.1	18,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270 Ft. BOOM			
135	62.2	245.5	16,000
140	61.0	242.7	14,000
145	59.8	239.8	12,300
150	58.5	236.7	10,600
155	57.3	233.5	9,100
160	56.0	230.1	7,700
165	54.7	226.6	6,400
170	53.4	222.9	5,100
175	52.0	219.0	4,000
280 Ft. BOOM			
44	82.9	285.5	142,700 *
46	82.5	285.2	141,600
48	82.1	284.9	132,100
50	81.7	284.6	123,500
55	80.6	283.8	105,500
60	79.6	282.9	91,300
65	78.5	281.8	79,700
70	77.5	280.7	70,000
75	76.4	279.5	61,900
80	75.4	278.2	55,000
85	74.3	276.8	49,000
90	73.2	275.3	43,700
95	72.2	273.7	39,100
100	71.1	271.9	35,000
105	70.0	270.1	31,400
110	68.9	268.2	28,100
115	67.8	266.1	25,100
120	66.7	264.0	22,400
125	65.6	261.7	20,000
130	64.4	259.3	17,700
135	63.3	256.8	15,700
140	62.1	254.1	13,700
145	61.0	251.4	12,000
150	59.8	248.5	10,300
155	58.6	245.4	8,800
160	57.4	242.2	7,400
165	56.1	238.8	6,100
170	54.9	235.3	4,800
290 Ft. BOOM			
46	82.7	295.3	132,000 *
48	82.3	295.0	131,400 *
50	81.9	294.7	123,000
55	80.9	293.9	105,000
60	79.9	293.0	90,700
65	78.9	292.1	79,100
70	77.9	291.0	69,500
75	76.9	289.8	61,400
80	75.9	288.6	54,400
85	74.9	287.2	48,400
90	73.8	285.7	43,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
290 Ft. BOOM			
95	72.8	284.2	38,600
100	71.8	282.5	34,500
105	70.7	280.8	30,800
110	69.7	278.9	27,600
115	68.6	277.0	24,600
120	67.5	274.9	21,900
125	66.5	272.7	19,400
130	65.4	270.4	17,200
135	64.3	268.0	15,100
140	63.2	265.5	13,200
145	62.0	262.8	11,400
150	60.9	260.0	9,800
155	59.8	257.1	8,300
160	58.6	254.1	6,900
165	57.4	250.9	5,500
170	56.3	247.5	4,300
300 Ft. BOOM			
46	83.0	305.4	123,300 *
48	82.6	305.1	122,900 *
50	82.2	304.8	122,200
55	81.3	304.1	104,200
60	80.3	303.2	89,900
65	79.3	302.3	78,300
70	78.3	301.2	68,600
75	77.4	300.1	60,500
80	76.4	298.9	53,500
85	75.4	297.6	47,500
90	74.4	296.2	42,300
95	73.4	294.7	37,700
100	72.4	293.1	33,600
105	71.4	291.4	29,900
110	70.4	289.6	26,600
115	69.4	287.7	23,600
120	68.3	285.7	20,900
125	67.3	283.6	18,500
130	66.2	281.4	16,200
135	65.2	279.1	14,200
140	64.1	276.7	12,200
145	63.1	274.1	10,500
150	62.0	271.5	8,800
155	60.9	268.7	7,300
160	59.8	265.8	5,900
165	58.7	262.7	4,500