

Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

888 SERIES 1

New York City Code
Boom No. 22EL
144,100 Lb. Counterweight
360 Degree Rating

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. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 12,500 Lb. minimum weight. Capacities are not shown for boom positions which, without load, provide less than required ANSI B30.5 backward stability.

Upper boom point capacity for liftcrane service with single part whip line is 29,500 Lbs. or 59,000 Lbs. with two part whip line. When boom butt mounted auxiliary drum 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.

250 Ft. boom length requires only the middle two sheaves in 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. 177156** or **No. 177353** and Wire Rope Specification chart **No. 7810-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. 7808-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 28 Ft. 2 in. extendible crawlers, 48 in. treads, 10 Ft. 3 in. retractable gantry, 30 Ft. live mast, 20 part boom hoist reeving, four 1-3/8 in. boom pendants and 144,100 Lb. counterweight.

Deduct From Capacities When Jib Is Attached

Jib Length	Jib No. 134
30 Ft.	2,700 Lbs.
40 Ft.	3,500 Lbs.
50 Ft.	4,300 Lbs.
60 Ft.	5,100 Lbs.
70 Ft.	6,100 Lbs.
80 Ft.	7,100 Lbs.

Maximum Boom and Jib Lengths Lifted Unassisted

Over Front of Blocked Crawlers		Over Rear of Blocked Crawlers		Over Side of Extended Crawlers		Over Side of Retracted Crawlers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134	Boom Length	Jib No. 134	Boom Length	Jib No. 134
(a) 250 Ft.	—	(a) 240 Ft.	—	220 Ft.	—	200 Ft.	—
240 Ft.	—	230 Ft.	—	210 Ft.	—	190 Ft.	30 Ft.
230 Ft.	—	220 Ft.	40 Ft.	200 Ft.	40 Ft.	180 Ft.	60 Ft.
220 Ft.	60 Ft.	210 Ft.	70 Ft.	190 Ft.	70 Ft.	170 Ft.	80 Ft.
210 Ft.	80 Ft.	200 Ft.	80 Ft.	180 Ft.	80 Ft.		

Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 250 Ft. boom and cannot be lifted over rear of blocked crawlers on 240 Ft. boom.

Consult jib chart for jib capacities. Upper boom point cannot be used when jib is attached.



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70 Ft. Boom				
16	82.8	77.2		406,400 *b
17	82.0	77.1		384,000 *b
18	81.1	76.9		363,800 *b
19	80.3	76.7		345,500 *b
20	79.5	76.5		328,900 *b
22	77.8	76.0		299,800 *b
24	76.1	75.5		275,300 *b
26	74.4	74.9		244,500
28	72.7	74.2		215,900
30	70.9	73.5		192,900
32	69.2	72.7		174,200
34	67.4	71.8		158,500
36	65.6	70.9		145,300
38	63.7	69.8		133,900
40	61.9	68.7		124,000
42	60.0	67.5	97,700	115,400
44	58.0	66.2	91,400	107,800
46	56.0	64.8	85,800	101,000
48	54.0	63.4	80,700	94,900
50	51.9	61.7	76,200	89,500
55	46.3	57.1	66,400	77,900
60	40.1	51.4	58,500	68,600
65	32.9	44.2	52,000	60,900
70	23.7	34.1	46,400	54,500
80 Ft. Boom				
17	83.0	87.2		383,200 *b
18	82.3	87.0		363,000 *b
19	81.5	86.9		344,700 *b
20	80.8	86.7		328,100 *b
22	79.3	86.3		299,100 *b
24	77.9	85.8		274,500 *b
26	76.4	85.3		245,100
28	74.9	84.7		216,300
30	73.4	84.1		193,300
32	71.9	83.4		174,400
34	70.4	82.7		158,700
36	68.8	81.9		145,400
38	67.3	81.0		134,000
40	65.7	80.0	104,700	124,100
42	64.1	79.0	97,600	115,500
44	62.4	78.0	91,400	107,900
46	60.8	76.8	85,700	101,100
48	59.1	75.6	80,700	95,000
50	57.4	74.3	76,100	89,500
55	52.9	70.6	66,400	77,900
60	48.2	66.2	58,500	68,600
65	43.0	61.0	52,000	61,000
70	37.3	54.8	46,500	54,600
75	30.6	46.9	41,800	49,100
80	22.0	36.0	37,700	44,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Crawlers Retracted Pounds	Boom Capacity Crawlers Extended Pounds
90 Ft. Boom				
19	82.5	97.0		344,200 *b
20	81.8	96.8		327,600 *b
22	80.5	96.5		298,600 *b
24	79.2	96.1		274,100 *b
26	77.9	95.6		245,500
28	76.6	95.1		216,700
30	75.3	94.6		193,600
32	74.0	94.0		174,700
34	72.6	93.3		159,000
36	71.3	92.6		145,600
38	69.9	91.8	112,800	134,200
40	68.6	91.0	104,800	124,300
42	67.2	90.1	97,700	115,600
44	65.8	89.2	91,400	108,000
46	64.3	88.2	85,800	101,100
48	62.9	87.2	80,700	95,000
50	61.4	86.0	76,100	89,600
55	57.7	82.9	66,400	78,000
60	53.8	79.3	58,500	68,700
65	49.6	75.2	52,000	61,000
70	45.2	70.4	46,500	54,700
75	40.4	64.7	41,800	49,200
80	35.0	57.9	37,800	44,600
85	28.7	49.4	34,200	40,500
90	20.7	37.7	31,100	36,900



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100 Ft. Boom				
20	82.7	107.0		327,300 *b
22	81.5	106.6		298,300 *b
24	80.3	106.3		273,800 *b
26	79.2	105.9		245,900
28	78.0	105.4		217,000
30	76.8	104.9		193,800
32	75.6	104.4		174,900
34	74.4	103.8		159,100
36	73.2	103.2	122,100	145,800
38	72.0	102.5	112,900	134,300
40	70.8	101.8	104,900	124,400
42	69.6	101.0	97,800	115,700
44	68.3	100.2	91,500	108,100
46	67.1	99.3	85,800	101,200
48	65.8	98.4	80,800	95,100
50	64.6	97.4	76,200	89,700
55	61.3	94.7	66,400	78,000
60	57.9	91.6	58,500	68,700
65	54.4	88.1	52,100	61,100
70	50.8	84.1	46,600	54,800
75	46.9	79.5	41,900	49,400
80	42.7	74.3	37,900	44,700
85	38.2	68.1	34,400	40,700
90	33.1	60.8	31,300	37,100
95	27.2	51.7	28,500	33,900
100	19.5	39.4	26,000	31,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Crawlers Retracted Pounds	Boom Capacity Crawlers Extended Pounds
110 Ft. Boom				
22	82.3	116.8		297,700 *
24	81.2	116.4		273,100 *
26	80.2	116.1		246,200
28	79.1	115.7		217,200
30	78.0	115.2		194,000
32	77.0	114.7		175,000
34	75.9	114.2		159,200
36	74.8	113.6	122,000	145,800
38	73.7	113.0	112,800	134,300
40	72.6	112.4	104,700	124,400
42	71.5	111.7	97,600	115,700
44	70.4	110.9	91,300	108,000
46	69.3	110.2	85,700	101,100
48	68.2	109.3	80,600	95,000
50	67.0	108.5	76,000	89,500
55	64.1	106.1	66,200	77,900
60	61.2	103.4	58,300	68,600
65	58.1	100.3	51,800	60,900
70	55.0	96.8	46,400	54,600
75	51.7	93.0	41,700	49,200
80	48.2	88.6	37,700	44,500
85	44.5	83.6	34,200	40,500
90	40.6	77.9	31,100	36,900
95	36.3	71.4	28,400	33,800
100	31.5	63.6	25,900	31,000
105	25.8	54.0	23,700	28,400
110	18.6	40.9	21,600	26,100



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120 Ft. Boom				
22	82.9	126.9		297,200 *
24	82.0	126.6		272,700 *
26	81.0	126.2		246,300
28	80.0	125.9		217,300
30	79.1	125.5		194,000
32	78.1	125.0		175,000
34	77.1	124.5	132,600	159,200
36	76.1	124.0	121,900	145,800
38	75.1	123.5	112,700	134,300
40	74.1	122.9	104,600	124,300
42	73.1	122.2	97,500	115,600
44	72.1	121.6	91,200	107,900
46	71.1	120.9	85,500	101,100
48	70.1	120.1	80,500	94,900
50	69.1	119.3	75,900	89,400
55	66.5	117.2	66,100	77,800
60	63.8	114.7	58,200	68,500
65	61.1	112.0	51,700	60,800
70	58.3	109.0	46,200	54,500
75	55.4	105.6	41,600	49,100
80	52.4	101.8	37,600	44,400
85	49.3	97.5	34,100	40,400
90	46.0	92.8	31,000	36,900
95	42.5	87.5	28,300	33,700
100	38.7	81.4	25,800	30,900
105	34.6	74.4	23,600	28,400
110	30.0	66.2	21,600	26,200
115	24.7	56.1	19,800	24,100
120	17.7	42.4	18,100	22,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Crawlers Retracted Pounds	Boom Capacity Crawlers Extended Pounds
130 Ft. Boom				
24	82.6	136.7		272,400 *
26	81.7	136.4		246,500
28	80.8	136.0		217,400
30	79.9	135.7		194,200
32	79.0	135.3	145,200	175,100
34	78.1	134.8	132,700	159,300
36	77.2	134.3	122,000	145,900
38	76.3	133.8	112,700	134,400
40	75.4	133.3	104,600	124,400
42	74.5	132.7	97,500	115,600
44	73.5	132.1	91,200	107,900
46	72.6	131.5	85,500	101,100
48	71.7	130.8	80,400	95,000
50	70.7	130.1	75,800	89,400
55	68.4	128.1	66,100	77,800
60	66.0	125.9	58,200	68,500
65	63.5	123.4	51,700	60,800
70	61.0	120.7	46,200	54,400
75	58.4	117.6	41,600	49,000
80	55.8	114.3	37,500	44,400
85	53.0	110.6	34,100	40,400
90	50.2	106.5	31,000	36,900
95	47.2	101.9	28,300	33,700
100	44.0	96.8	25,800	31,000
105	40.7	91.2	23,600	28,500
110	37.1	84.8	21,700	26,200
115	33.2	77.4	19,900	24,200
120	28.8	68.7	18,200	22,300
125	23.6	58.1	16,600	20,500
130	17.0	43.8	15,200	18,900



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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Crawlers Retracted Pounds	Boom Capacity Crawlers Extended Pounds
140 Ft. Boom				
26	82.3	146.5		246,500
28	81.5	146.2		217,400
30	80.6	145.8	159,900	194,100
32	79.8	145.5	145,000	175,100
34	79.0	145.1	132,500	159,200
36	78.1	144.6	121,800	145,700
38	77.3	144.1	112,600	134,200
40	76.4	143.6	104,500	124,200
42	75.6	143.1	97,300	115,500
44	74.7	142.5	91,000	107,800
46	73.9	141.9	85,300	100,900
48	73.0	141.3	80,200	94,800
50	72.2	140.7	75,600	89,300
55	70.0	138.9	65,800	77,600
60	67.8	136.8	57,900	68,300
65	65.5	134.6	51,400	60,600
70	63.3	132.1	46,000	54,200
75	60.9	129.3	41,300	48,800
80	58.5	126.3	37,300	44,200
85	56.1	123.0	33,800	40,200
90	53.5	119.3	30,800	36,600
95	50.9	115.3	28,000	33,500
100	48.2	110.9	25,600	30,700
105	45.3	106.1	23,400	28,300
110	42.3	100.7	21,500	26,000
115	39.1	94.7	19,700	24,000
120	35.7	87.9	18,000	22,100
125	31.9	80.2	16,500	20,400
130	27.7	71.2	15,100	18,800
135	22.7	60.1	13,800	17,300
140	16.3	45.2	12,500	15,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Crawlers Retracted Pounds	Boom Capacity Crawlers Extended Pounds
150 Ft. Boom				
26	82.8	156.6		244,200 *
28	82.0	156.3		217,500
30	81.3	156.0	159,800	194,200
32	80.5	155.6	144,900	175,100
34	79.7	155.3	132,400	159,100
36	78.9	154.8	121,600	145,700
38	78.2	154.4	112,400	134,100
40	77.4	153.9	104,200	124,100
42	76.6	153.5	97,100	115,300
44	75.8	152.9	90,700	107,600
46	75.0	152.4	85,100	100,700
48	74.2	151.8	79,900	94,600
50	73.4	151.2	75,300	89,000
55	71.4	149.5	65,500	77,300
60	69.4	147.6	57,600	68,000
65	67.3	145.6	51,100	60,300
70	65.2	143.3	45,600	53,900
75	63.0	140.8	40,900	48,500
80	60.9	138.0	36,900	43,800
85	58.6	135.0	33,400	39,800
90	56.3	131.7	30,400	36,300
95	54.0	128.1	27,600	33,100
100	51.6	124.2	25,200	30,400
105	49.1	119.9	23,000	27,900
110	46.4	115.2	21,100	25,600
115	43.7	110.1	19,300	23,600
120	40.8	104.4	17,600	21,700
125	37.7	98.1	16,100	20,000
130	34.4	91.0	14,700	18,500
135	30.8	82.9	13,400	17,000
140	26.7	73.5	12,200	15,700
145	21.9	62.0	11,100	14,400
150	15.7	46.5	10,000	13,200



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160 Ft. Boom				
28	82.5	166.4	177,500	217,400
30	81.8	166.1	159,600	194,000
32	81.1	165.8	144,700	174,900
34	80.4	165.4	132,100	159,000
36	79.6	165.1	121,400	145,500
38	78.9	164.6	112,100	133,900
40	78.2	164.2	104,000	123,900
42	77.4	163.7	96,800	115,100
44	76.7	163.3	90,500	107,300
46	76.0	162.7	84,800	100,500
48	75.2	162.2	79,700	94,300
50	74.5	161.6	75,000	88,800
55	72.6	160.1	65,200	77,000
60	70.7	158.3	57,300	67,700
65	68.8	156.4	50,800	60,000
70	66.8	154.3	45,300	53,600
75	64.9	152.0	40,600	48,200
80	62.9	149.4	36,600	43,500
85	60.8	146.7	33,100	39,500
90	58.7	143.6	30,000	36,000
95	56.6	140.4	27,300	32,800
100	54.4	136.8	24,900	30,100
105	52.1	133.0	22,700	27,600
110	49.8	128.8	20,800	25,300
115	47.4	124.3	19,000	23,300
120	44.9	119.3	17,300	21,400
125	42.2	113.9	15,800	19,800
130	39.4	108.0	14,500	18,200
135	36.5	101.4	13,200	16,700
140	33.3	94.0	12,000	15,400
145	29.8	85.6	10,900	14,200
150	25.8	75.7	9,800	13,000
155	21.2	63.8	8,900	11,900
160	15.2	47.8	7,900	10,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Crawlers Retracted Pounds	Boom Capacity Crawlers Extended Pounds
170 Ft. Boom				
28	83.0	176.5	177,400	213,500 *
30	82.3	176.2	159,500	194,000
32	81.6	175.9	144,600	174,900
34	80.9	175.6	132,000	158,900
36	80.3	175.2	121,300	145,400
38	79.6	174.9	112,000	133,800
40	78.9	174.4	103,800	123,800
42	78.2	174.0	96,700	115,000
44	77.5	173.6	90,300	107,200
46	76.8	173.1	84,600	100,300
48	76.1	172.6	79,500	94,200
50	75.4	172.0	74,900	88,600
55	73.7	170.6	65,100	76,900
60	71.9	168.9	57,100	67,500
65	70.1	167.1	50,600	59,800
70	68.3	165.2	45,100	53,400
75	66.4	163.0	40,400	48,000
80	64.6	160.6	36,400	43,400
85	62.7	158.1	32,900	39,300
90	60.8	155.3	29,900	35,800
95	58.8	152.3	27,100	32,700
100	56.8	149.1	24,700	29,900
105	54.7	145.6	22,500	27,400
110	52.6	141.8	20,600	25,200
115	50.4	137.7	18,800	23,100
120	48.2	133.3	17,200	21,300
125	45.9	128.5	15,700	19,600
130	43.4	123.3	14,300	18,000
135	40.9	117.6	13,000	16,600
140	38.2	111.4	11,800	15,300
145	35.3	104.5	10,800	14,000
150	32.2	96.8	9,700	12,900
155	28.8	88.1	8,800	11,800
160	25.0	77.9	7,900	10,800
165	20.5	65.6	7,000	9,800



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180 Ft. Boom				
30	82.7	186.3	159,300	193,900
32	82.1	186.0	144,400	174,700
34	81.4	185.7	131,800	158,700
36	80.8	185.4	121,000	145,200
38	80.2	185.0	111,700	133,600
40	79.5	184.6	103,600	123,500
42	78.9	184.2	96,400	114,700
44	78.2	183.8	90,000	107,000
46	77.6	183.4	84,300	100,100
48	76.9	182.9	79,200	93,900
50	76.2	182.4	74,600	88,300
55	74.6	181.0	64,700	76,600
60	72.9	179.5	56,800	67,200
65	71.2	177.8	50,200	59,500
70	69.5	175.9	44,800	53,100
75	67.8	173.9	40,100	47,700
80	66.1	171.7	36,100	43,000
85	64.3	169.3	32,600	39,000
90	62.5	166.8	29,500	35,500
95	60.7	164.0	26,800	32,300
100	58.9	161.0	24,400	29,600
105	57.0	157.8	22,200	27,100
110	55.0	154.3	20,200	24,800
115	53.0	150.6	18,400	22,800
120	51.0	146.6	16,800	21,000
125	48.9	142.3	15,300	19,300
130	46.7	137.6	14,000	17,700
135	44.5	132.6	12,700	16,300
140	42.1	127.1	11,500	14,900
145	39.7	121.2	10,400	13,700
150	37.1	114.7	9,400	12,600
155	34.3	107.6	8,500	11,500
160	31.3	99.6	7,600	10,500
165	28.0	90.6	6,700	9,500
170	24.3	80.0	5,900	8,600
175	19.9	67.3	5,100	7,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Crawlers Retracted Pounds	Boom Capacity Crawlers Extended Pounds
190 Ft. Boom				
32	82.5	196.2	144,200	174,600
34	81.9	195.9	131,600	158,600
36	81.3	195.5	120,800	145,100
38	80.7	195.2	111,500	133,400
40	80.1	194.8	103,300	123,300
42	79.4	194.4	96,100	114,500
44	78.8	194.0	89,700	106,700
46	78.2	193.6	84,000	99,800
48	77.6	193.2	78,900	93,600
50	77.0	192.7	74,200	88,100
55	75.4	191.4	64,400	76,300
60	73.9	189.9	56,400	66,900
65	72.3	188.4	49,900	59,200
70	70.7	186.6	44,400	52,700
75	69.1	184.7	39,700	47,300
80	67.4	182.7	35,700	42,600
85	65.8	180.4	32,200	38,600
90	64.1	178.0	29,100	35,000
95	62.4	175.4	26,400	31,900
100	60.7	172.6	23,900	29,100
105	58.9	169.6	21,700	26,600
110	57.1	166.4	19,800	24,400
115	55.3	163.0	18,000	22,400
120	53.4	159.3	16,400	20,500
125	51.5	155.4	14,900	18,800
130	49.5	151.2	13,500	17,300
135	47.5	146.7	12,200	15,800
140	45.4	141.8	11,100	14,500
145	43.2	136.5	10,000	13,300
150	40.9	130.9	8,900	12,100
155	38.5	124.7	8,000	11,000
160	36.0	118.0	7,100	10,000
165	33.3	110.6	6,300	9,100
170	30.4	102.3	5,500	8,200
175	27.2	93.0	4,700	7,400
180	23.6	82.1	4,000	6,600
185	19.4	68.9		5,800



Liftcrane Boom Capacities

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888 SERIES 1

New York City Code
Boom No. 22EL
144,100 Lb. Counterweight
360 Degree Rating

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Crawlers Retracted Pounds	Boom Capacity Crawlers Extended Pounds
200 Ft. Boom				
32	82.9	206.3	144,000	171,000 *
34	82.3	206.0	131,300	158,400
36	81.7	205.7	120,500	144,800
38	81.1	205.3	111,200	133,100
40	80.6	205.0	103,000	123,100
42	80.0	204.6	95,800	114,200
44	79.4	204.2	89,400	106,400
46	78.8	203.8	83,700	99,500
48	78.2	203.4	78,500	93,300
50	77.6	203.0	73,900	87,700
55	76.2	201.7	64,000	75,900
60	74.7	200.4	56,000	66,500
65	73.2	198.9	49,500	58,800
70	71.7	197.2	44,000	52,400
75	70.2	195.4	39,300	46,900
80	68.6	193.5	35,300	42,300
85	67.1	191.4	31,800	38,200
90	65.5	189.1	28,700	34,700
95	63.9	186.7	26,000	31,500
100	62.3	184.1	23,500	28,700
105	60.6	181.3	21,300	26,300
110	59.0	178.3	19,400	24,000
115	57.3	175.1	17,600	22,000
120	55.5	171.7	16,000	20,100
125	53.8	168.1	14,500	18,400
130	52.0	164.2	13,100	16,900
135	50.1	160.1	11,800	15,400
140	48.2	155.6	10,700	14,100
145	46.2	150.9	9,600	12,900
150	44.2	145.8	8,600	11,700
155	42.1	140.4	7,600	10,700
160	39.8	134.5	6,700	9,700
165	37.5	128.1	5,900	8,700
170	35.1	121.1	5,100	7,900
175	32.4	113.4	4,400	7,000
180	29.6	104.9		6,200
185	26.5	95.3		5,500
190	23.0	84.1		4,800
195	18.9	70.6		4,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Crawlers Retracted Pounds	Boom Capacity Crawlers Extended Pounds
210 Ft. Boom				
34	82.7	216.1	131,100	158,200
36	82.1	215.8	120,300	144,600
38	81.6	215.5	110,900	133,000
40	81.0	215.1	102,800	122,900
42	80.5	214.8	95,600	114,000
44	79.9	214.4	89,200	106,200
46	79.4	214.0	83,400	99,300
48	78.8	213.6	78,300	93,100
50	78.2	213.2	73,600	87,500
55	76.8	212.0	63,800	75,700
60	75.4	210.8	55,800	66,300
65	74.0	209.3	49,200	58,600
70	72.6	207.8	43,700	52,100
75	71.1	206.1	39,000	46,700
80	69.7	204.2	35,000	42,000
85	68.2	202.2	31,500	37,900
90	66.7	200.1	28,400	34,400
95	65.2	197.8	25,700	31,300
100	63.7	195.4	23,200	28,500
105	62.2	192.7	21,100	26,000
110	60.6	189.9	19,100	23,700
115	59.0	187.0	17,300	21,700
120	57.4	183.8	15,700	19,800
125	55.8	180.4	14,200	18,200
130	54.1	176.8	12,800	16,600
135	52.4	173.0	11,600	15,200
140	50.6	168.9	10,400	13,800
145	48.8	164.6	9,300	12,600
150	46.9	160.0	8,300	11,500
155	45.0	155.1	7,400	10,400
160	43.0	149.8	6,500	9,400
165	41.0	144.1	5,600	8,500
170	38.8	138.0	4,900	7,600
175	36.6	131.4	4,100	6,800
180	34.2	124.2		6,000
185	31.6	116.3		5,300
190	28.9	107.5		4,500



Liftcrane Boom Capacities

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888 SERIES 1

New York City Code

Boom No. 22EL

144,100 Lb. Counterweight

360 Degree Rating

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Crawlers Retracted Pounds	Boom Capacity Crawlers Extended Pounds
220 Ft. Boom				
34	83.0	226.2	130,800	147,500 *
36	82.5	225.9	120,000	144,300
38	82.0	225.6	110,600	132,700
40	81.4	225.3	102,400	122,600
42	80.9	224.9	95,200	113,700
44	80.4	224.6	88,800	105,900
46	79.8	224.2	83,100	99,000
48	79.3	223.8	77,900	92,800
50	78.8	223.4	73,300	87,200
55	77.5	222.3	63,400	75,400
60	76.1	221.1	55,400	65,900
65	74.8	219.7	48,800	58,200
70	73.4	218.3	43,300	51,700
75	72.0	216.6	38,600	46,300
80	70.7	214.9	34,600	41,600
85	69.3	213.0	31,100	37,600
90	67.9	211.0	28,000	34,000
95	66.4	208.8	25,300	30,900
100	65.0	206.5	22,800	28,100
105	63.6	204.0	20,700	25,600
110	62.1	201.4	18,700	23,300
115	60.6	198.6	16,900	21,300
120	59.1	195.6	15,300	19,500
125	57.5	192.5	13,800	17,800
130	56.0	189.1	12,400	16,200
135	54.4	185.6	11,200	14,800
140	52.7	181.8	10,000	13,500
145	51.1	177.8	8,900	12,200
150	49.4	173.5	7,900	11,100
155	47.6	169.0	7,000	10,000
160	45.8	164.2	6,100	9,000
165	43.9	159.1	5,200	8,100
170	42.0	153.6	4,500	7,200
175	40.0	147.7		6,400
180	37.9	141.4		5,600
185	35.7	134.6		4,900
190	33.4	127.1		4,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Crawlers Retracted Pounds	Boom Capacity Crawlers Extended Pounds
230 Ft. Boom				
36	82.8	236.0	119,800	133,600 *
38	82.3	235.7	110,400	132,500
40	81.8	235.4	102,200	122,400
42	81.3	235.1	95,000	113,500
44	80.8	234.7	88,500	105,700
46	80.3	234.4	82,800	98,700
48	79.8	234.0	77,600	92,500
50	79.3	233.6	73,000	86,900
55	78.0	232.6	63,000	75,100
60	76.7	231.4	55,000	65,600
65	75.4	230.1	48,400	57,800
70	74.1	228.7	42,900	51,400
75	72.8	227.2	38,200	45,900
80	71.5	225.5	34,200	41,200
85	70.2	223.7	30,600	37,100
90	68.9	221.8	27,600	33,600
95	67.5	219.7	24,800	30,400
100	66.2	217.5	22,400	27,600
105	64.8	215.2	20,200	25,100
110	63.4	212.7	18,200	22,900
115	62.0	210.1	16,400	20,800
120	60.6	207.3	14,800	19,000
125	59.1	204.3	13,300	17,300
130	57.6	201.1	11,900	15,700
135	56.1	197.8	10,700	14,300
140	54.6	194.3	9,500	13,000
145	53.1	190.6	8,400	11,700
150	51.5	186.6	7,400	10,600
155	49.9	182.4	6,500	9,500
160	48.2	178.0	5,600	8,500
165	46.5	173.3	4,700	7,600
170	44.7	168.3	4,000	6,700
175	42.9	163.0		5,900
180	41.0	157.3		5,100
185	39.1	151.3		4,400



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144,100 Lb. Counterweight

360 Degree Rating

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Crawlers Retracted Pounds	Boom Capacity Crawlers Extended Pounds
240 Ft. Boom				
38	82.6	245.8	110,100	121,300 *
40	82.2	245.5	101,800	121,000 *
42	81.7	245.2	94,600	113,200
44	81.2	244.9	88,200	105,300
46	80.7	244.6	82,400	98,400
48	80.2	244.2	77,200	92,100
50	79.7	243.8	72,600	86,500
55	78.5	242.8	62,600	74,700
60	77.3	241.7	54,600	65,200
65	76.1	240.5	48,000	57,400
70	74.8	239.1	42,500	51,000
75	73.6	237.6	37,800	45,500
80	72.3	236.1	33,700	40,800
85	71.1	234.4	30,200	36,700
90	69.8	232.5	27,100	33,200
95	68.5	230.6	24,400	30,000
100	67.2	228.5	22,000	27,200
105	65.9	226.3	19,800	24,700
110	64.6	223.9	17,800	22,500
115	63.3	221.4	16,000	20,400
120	61.9	218.7	14,400	18,600
125	60.5	215.9	12,900	16,900
130	59.2	213.0	11,500	15,300
135	57.7	209.8	10,200	13,900
140	56.3	206.5	9,100	12,500
145	54.9	203.0	8,000	11,300
150	53.4	199.3	7,000	10,200
155	51.9	195.4	6,000	9,100
160	50.3	191.3	5,100	8,100
165	48.7	187.0	4,300	7,200
170	47.1	182.4		6,300
175	45.4	177.5		5,500
180	43.7	172.3		4,700
185	41.9	166.8		4,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Crawlers Retracted Pounds	Boom Capacity Crawlers Extended Pounds
250 Ft. Boom				
38	82.9	255.9	110,200 *	110,200 *
40	82.5	255.6	102,000	109,900 *
42	82.0	255.3	94,800	109,600 *
44	81.5	255.0	88,400	105,600
46	81.1	254.7	82,600	98,600
48	80.6	254.4	77,400	92,400
50	80.1	254.0	72,800	86,700
55	79.0	253.0	62,800	74,900
60	77.8	252.0	54,800	65,400
65	76.6	250.8	48,200	57,600
70	75.4	249.5	42,700	51,200
75	74.3	248.1	38,000	45,700
80	73.1	246.6	33,900	41,000
85	71.9	244.9	30,400	36,900
90	70.6	243.2	27,300	33,300
95	69.4	241.3	24,600	30,200
100	68.2	239.3	22,100	27,400
105	66.9	237.2	19,900	24,900
110	65.7	235.0	18,000	22,600
115	64.4	232.6	16,200	20,600
120	63.1	230.1	14,500	18,700
125	61.8	227.4	13,100	17,000
130	60.5	224.6	11,700	15,500
135	59.2	221.6	10,400	14,100
140	57.8	218.5	9,200	12,700
145	56.5	215.2	8,200	11,500
150	55.1	211.7	7,200	10,400
155	53.6	208.1	6,200	9,300
160	52.2	204.2	5,300	8,300
165	50.7	200.2	4,500	7,400
170	49.2	195.9		6,500
175	47.7	191.4		5,700
180	46.1	186.6		4,900
185	44.5	181.6		4,200