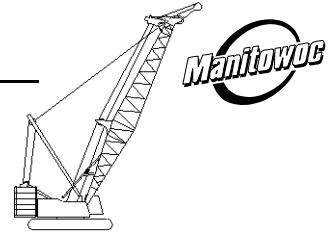


Liftcrane Boom Capacities

New York City Code
Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements



999 SERIES 3

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 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 (*). Capacities indicated by (b) require 12,500 Lb. minimum weight.

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. thru 290 Ft. boom lengths require only the middle two sheaves in lower boom point. All other sheaves must be removed from lower boom point.

Note: 22L boom top **No. 196142** or **No. 417403** required for capacities greater than or equal to 462,500 Lbs.

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. 195459** (No. 82) or **No. 195890** (No. 22EL) and Wire Rope Specification chart **No. 8223-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.

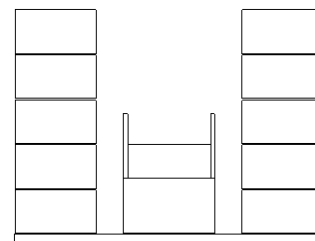
MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8225-A**.

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.

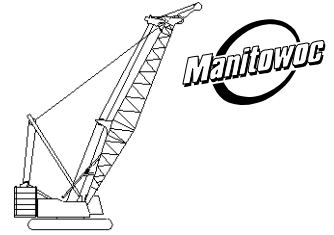
BOOM POINT ELEVATION: Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 28 Ft. 2 in. crawlers, 48 in. treads, 10 Ft. 3 in. retractable gantry, 30 Ft. live mast, 20 part boom hoist reeving, boom support straps or four 1-3/8 in. boom pendants, 219,600 Lb. crane counterweight, two 22,000 Lb. and two 18,000 Lb. carbody counterweights.

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.



219,600 Lb. Crane Counterweight
10 Side Boxes - 1 Center Box



Liftcrane Boom Capacities

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219,600 Lb. Crane Counterweight
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360 Degree Rating

999 SERIES 3

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) 290 Ft.	—	(a) 290 Ft.	—
280 Ft.	—	280 Ft.	—
270 Ft.	30 Ft.	270 Ft.	30 Ft.
260 Ft.	60 Ft.	260 Ft.	60 Ft.
250 Ft.	80 Ft.	250 Ft.	80 Ft.
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 290 Ft. boom.			

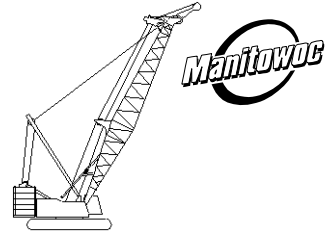
Consult jib chart for jib capacities. Upper boom point cannot be used when jib is attached.

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. BOOM			
16	82.8	77.3	500,000 * ^{b 1}
17	82.0	77.1	462,500 * ^{b 1}
18	81.1	76.9	438,700 * ^b
19	80.3	76.7	417,100 * ^b
20	79.5	76.5	397,500 * ^b
22	77.8	76.0	363,200 * ^b
24	76.1	75.5	334,200 * ^b
26	74.4	74.9	309,300 *
28	72.7	74.2	287,700 *
30	70.9	73.5	268,900 *
32	69.2	72.7	252,200 *
34	67.4	71.8	237,400 *
36	65.6	70.9	221,800 *
38	63.7	69.9	204,900 *
40	61.9	68.7	190,300 *
42	60.0	67.5	177,500 *
44	58.0	66.3	166,200 *
46	56.0	64.9	156,100 *
48	54.0	63.4	147,100 *
50	51.9	61.7	139,000 *
55	46.3	57.1	121,900 *
60	40.1	51.4	108,200 *
65	32.9	44.2	96,400 *
70	23.7	34.2	76,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
17	83.0	87.2	447,700 * ^b
18	82.3	87.1	438,000 * ^b
19	81.5	86.9	416,400 * ^b
20	80.8	86.7	396,900 * ^b
22	79.3	86.3	362,600 * ^b
24	77.9	85.8	333,600 * ^b
26	76.4	85.3	308,700 *
28	74.9	84.7	287,100 *
30	73.4	84.1	268,300 *
32	71.9	83.4	251,600 *
34	70.4	82.7	236,800 *
36	68.8	81.9	221,900 *
38	67.3	81.0	205,000 *
40	65.7	80.1	190,300 *
42	64.1	79.0	177,500 *
44	62.4	78.0	166,200 *
46	60.8	76.8	156,100 *
48	59.1	75.6	147,100 *
50	57.4	74.3	139,000 *
55	52.9	70.6	121,900 *
60	48.2	66.2	108,100 *
65	43.0	61.0	96,900 *
70	37.3	54.8	87,400 *
75	30.6	46.9	79,100 *
80	22.0	36.0	65,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
19	82.5	97.0	403,100 * ^b
20	81.8	96.9	396,400 * ^b
22	80.5	96.5	362,100 * ^b
24	79.2	96.1	333,100 * ^b
26	77.9	95.6	308,300 *
28	76.6	95.1	286,700 *
30	75.3	94.6	267,900 *
32	74.0	94.0	251,200 *
34	72.6	93.3	236,400 *
36	71.3	92.6	222,000 *
38	69.9	91.8	205,100 *
40	68.6	91.0	190,400 *
42	67.2	90.2	177,600 *
44	65.8	89.2	166,200 *
46	64.3	88.2	156,200 *
48	62.9	87.2	147,100 *
50	61.4	86.1	139,000 *
55	57.7	83.0	121,900 *
60	53.8	79.4	108,100 *
65	49.6	75.2	96,900 *
70	45.2	70.4	87,500 *
75	40.4	64.7	79,500 *
80	35.0	57.9	72,600 *
85	28.7	49.4	66,200 *
90	20.7	37.7	57,000 *

¹ See note on page 1.



Liftcrane Boom Capacities

New York City Code
Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

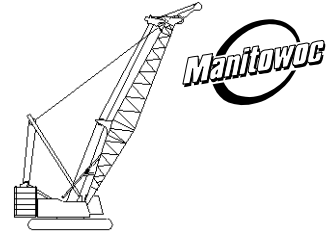
Meets
ANSI B30.5
Requirements

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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
20	82.7	107.0	385,900 *b
22	81.5	106.7	361,900 *b
24	80.3	106.3	332,900 *b
26	79.2	105.9	308,000 *
28	78.0	105.4	286,500 *
30	76.8	104.9	267,700 *
32	75.6	104.4	251,000 *
34	74.4	103.8	236,200 *
36	73.2	103.2	222,200
38	72.0	102.5	205,200
40	70.8	101.8	190,500
42	69.6	101.0	177,700
44	68.3	100.2	166,300
46	67.1	99.3	156,300
48	65.8	98.4	147,200
50	64.6	97.4	139,100
55	61.3	94.7	121,900
60	57.9	91.6	108,200
65	54.4	88.1	96,900
70	50.8	84.1	87,500
75	46.9	79.5	79,600
80	42.7	74.3	72,700
85	38.2	68.1	66,800
90	33.1	60.8	61,600
95	27.2	51.7	56,300 *
100	19.5	39.4	48,700 *
110 Ft. BOOM			
22	82.3	116.8	353,700 *
24	81.2	116.5	332,400 *
26	80.2	116.1	307,500 *
28	79.1	115.7	286,000 *
30	78.0	115.2	267,100 *
32	77.0	114.7	250,500 *
34	75.9	114.2	235,700 *
36	74.8	113.6	222,100
38	73.7	113.0	205,100
40	72.6	112.4	190,400
42	71.5	111.7	177,500
44	70.4	111.0	166,200
46	69.3	110.2	156,100
48	68.2	109.4	147,100
50	67.0	108.5	138,900
55	64.1	106.1	121,700
60	61.2	103.4	108,000
65	58.1	100.3	96,700
70	55.0	96.9	87,300
75	51.7	93.0	79,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
80	48.2	88.6	72,500
85	44.5	83.6	66,600
90	40.6	77.9	61,400
95	36.3	71.4	56,800
100	31.5	63.6	52,700
105	25.8	54.0	47,900 *
110	18.6	40.9	41,600 *
120 Ft. BOOM			
22	82.9	126.9	324,500 *
24	82.0	126.6	324,500 *
26	81.0	126.3	307,200 *
28	80.0	125.9	285,700 *
30	79.1	125.5	266,800 *
32	78.1	125.0	250,200 *
34	77.1	124.5	235,400 *
36	76.1	124.0	222,100
38	75.1	123.5	205,100
40	74.1	122.9	190,400
42	73.1	122.3	177,500
44	72.1	121.6	166,100
46	71.1	120.9	156,000
48	70.1	120.1	147,000
50	69.1	119.3	138,800
55	66.5	117.2	121,600
60	63.8	114.8	107,900
65	61.1	112.0	96,600
70	58.3	109.0	87,200
75	55.4	105.6	79,200
80	52.4	101.8	72,400
85	49.3	97.6	66,500
90	46.0	92.8	61,300
95	42.5	87.5	56,700
100	38.7	81.4	52,600
105	34.6	74.5	48,900
110	30.0	66.2	45,600
115	24.7	56.1	41,100 *
120	17.7	42.4	35,800 *
130 Ft. BOOM			
24	82.6	136.7	295,000 *
26	81.7	136.4	295,000 *
28	80.8	136.1	285,400 *
30	79.9	135.7	266,500 *
32	79.0	135.3	249,900 *
34	78.1	134.8	235,100 *
36	77.2	134.4	221,900 *
38	76.3	133.8	205,100
40	75.4	133.3	190,400
42	74.5	132.7	177,500
44	73.5	132.1	166,100
46	72.6	131.5	156,000
48	71.7	130.8	146,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
50	70.7	130.1	138,800
55	68.4	128.1	121,600
60	66.0	125.9	107,800
65	63.5	123.4	96,500
70	61.0	120.7	87,100
75	58.4	117.7	79,200
80	55.8	114.3	72,300
85	53.0	110.6	66,400
90	50.2	106.5	61,200
95	47.2	101.9	56,600
100	44.0	96.9	52,500
105	40.7	91.2	48,900
110	37.1	84.8	45,600
115	33.2	77.4	42,600
120	28.8	68.7	39,800
125	23.6	58.1	35,500 *
130	17.0	43.9	30,900 *
140 Ft. BOOM			
26	82.3	146.5	295,000 *
28	81.5	146.2	285,000 *
30	80.6	145.9	266,200 *
32	79.8	145.5	249,500 *
34	79.0	145.1	234,800 *
36	78.1	144.6	221,600 *
38	77.3	144.2	205,000
40	76.4	143.7	190,200
42	75.6	143.1	177,300
44	74.7	142.6	165,900
46	73.9	142.0	155,800
48	73.0	141.3	146,800
50	72.2	140.7	138,600
55	70.0	138.9	121,400
60	67.8	136.8	107,600
65	65.5	134.6	96,300
70	63.3	132.1	86,900
75	60.9	129.3	78,900
80	58.5	126.3	72,100
85	56.1	123.0	66,200
90	53.5	119.3	61,000
95	50.9	115.3	56,400
100	48.2	110.9	52,300
105	45.3	106.1	48,700
110	42.3	100.7	45,400
115	39.1	94.7	42,400
120	35.7	88.0	39,600
125	31.9	80.2	37,100
130	27.7	71.2	34,400 *
135	22.7	60.1	30,600 *
140	16.3	45.2	26,500 *



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

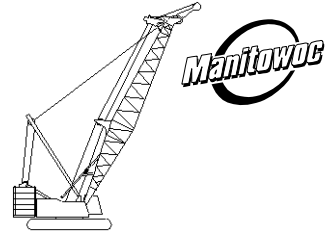
New York City Code
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219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

999 SERIES 3

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
26	82.8	156.6	265,500 *
28	82.0	156.3	261,400 *
30	81.3	156.0	255,600 *
32	80.5	155.7	248,900 *
34	79.7	155.3	234,200 *
36	78.9	154.9	221,000 *
38	78.2	154.4	204,800
40	77.4	154.0	190,000
42	76.6	153.5	177,100
44	75.8	152.9	165,700
46	75.0	152.4	155,500
48	74.2	151.8	146,500
50	73.4	151.2	138,300
55	71.4	149.5	121,000
60	69.4	147.7	107,200
65	67.3	145.6	95,900
70	65.2	143.3	86,500
75	63.0	140.8	78,500
80	60.9	138.0	71,700
85	58.6	135.0	65,800
90	56.3	131.7	60,600
95	54.0	128.1	56,000
100	51.6	124.2	51,900
105	49.1	119.9	48,300
110	46.4	115.2	45,000
115	43.7	110.1	42,000
120	40.8	104.4	39,200
125	37.7	98.1	36,800
130	34.4	91.0	34,500
135	30.8	83.0	32,300
140	26.7	73.5	29,300 *
145	21.9	62.0	26,000 *
150	15.7	46.6	22,400 *
160 Ft. BOOM			
28	82.5	166.4	236,000 *
30	81.8	166.1	236,000 *
32	81.1	165.8	236,000 *
34	80.4	165.4	233,800 *
36	79.6	165.1	220,600 *
38	78.9	164.7	204,600
40	78.2	164.2	189,800
42	77.4	163.8	176,900
44	76.7	163.3	165,500
46	76.0	162.8	155,300
48	75.2	162.2	146,200
50	74.5	161.6	138,000
55	72.6	160.1	120,800
60	70.7	158.3	107,000
65	68.8	156.4	95,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
70	66.8	154.3	86,200
75	64.9	152.0	78,300
80	62.9	149.4	71,400
85	60.8	146.7	65,500
90	58.7	143.7	60,300
95	56.6	140.4	55,700
100	54.4	136.8	51,600
105	52.1	133.0	48,000
110	49.8	128.8	44,700
115	47.4	124.3	41,700
120	44.9	119.3	39,000
125	42.2	113.9	36,500
130	39.4	108.0	34,200
135	36.5	101.4	32,100
140	33.3	94.0	30,100
145	29.8	85.6	28,000 *
150	25.8	75.8	25,100 *
155	21.2	63.8	22,100 *
160	15.2	47.8	18,900 *
170 Ft. BOOM			
28	83.0	176.5	232,700 *
30	82.3	176.3	228,400 *
32	81.6	175.9	224,100 *
34	80.9	175.6	219,800 *
36	80.3	175.2	215,700 *
38	79.6	174.9	204,500
40	78.9	174.5	189,700
42	78.2	174.0	176,700
44	77.5	173.6	165,300
46	76.8	173.1	155,100
48	76.1	172.6	146,000
50	75.4	172.0	137,900
55	73.7	170.6	120,600
60	71.9	169.0	106,800
65	70.1	167.2	95,400
70	68.3	165.2	86,000
75	66.4	163.0	78,000
80	64.6	160.7	71,200
85	62.7	158.1	65,200
90	60.8	155.3	60,000
95	58.8	152.3	55,400
100	56.8	149.1	51,400
105	54.7	145.6	47,700
110	52.6	141.8	44,400
115	50.4	137.7	41,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
120	48.2	133.3	38,700
125	45.9	128.5	36,200
130	43.4	123.3	34,000
135	40.9	117.7	31,800
140	38.2	111.4	29,900
145	35.3	104.5	28,100
150	32.2	96.9	26,400
155	28.8	88.1	24,000 *
160	25.0	77.9	21,400 *
165	20.5	65.6	18,800 *
180 Ft. BOOM			
30	82.7	186.4	206,500 *
32	82.1	186.1	206,500 *
34	81.4	185.7	206,500 *
36	80.8	185.4	204,700 *
38	80.2	185.0	200,800 *
40	79.5	184.7	189,400
42	78.9	184.3	176,500
44	78.2	183.8	165,000
46	77.6	183.4	154,900
48	76.9	182.9	145,800
50	76.2	182.4	137,600
55	74.6	181.0	120,300
60	72.9	179.5	106,500
65	71.2	177.8	95,100
70	69.5	176.0	85,700
75	67.8	173.9	77,700
80	66.1	171.7	70,800
85	64.3	169.3	64,900
90	62.5	166.8	59,700
95	60.7	164.0	55,100
100	58.9	161.0	51,000
105	57.0	157.8	47,400
110	55.0	154.3	44,100
115	53.0	150.6	41,100
120	51.0	146.6	38,400
125	48.9	142.3	35,900
130	46.7	137.6	33,600
135	44.5	132.6	31,500
140	42.1	127.2	29,600
145	39.7	121.2	27,800
150	37.1	114.8	26,100
155	34.3	107.6	24,500
160	31.3	99.6	22,700 *
165	28.0	90.6	20,300 *
170	24.3	80.1	18,000 *
175	19.9	67.3	15,700 *



Liftcrane Boom Capacities

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80,000 Lb. Carbody Counterweight
360 Degree Rating

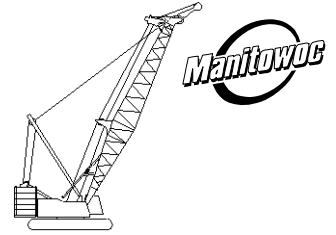
Meets
ANSI B30.5
Requirements

999 SERIES 3

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
32	82.5	196.2	196,800 *
34	81.9	195.9	193,600 *
36	81.3	195.6	190,500 *
38	80.7	195.2	184,500 *
40	80.1	194.8	177,000 *
42	79.4	194.5	170,300 *
44	78.8	194.1	164,200 *
46	78.2	193.6	154,600 *
48	77.6	193.2	145,500 *
50	77.0	192.7	137,300 *
55	75.4	191.4	120,000
60	73.9	190.0	106,100
65	72.3	188.4	94,800
70	70.7	186.6	85,300
75	69.1	184.7	77,300
80	67.4	182.7	70,400
85	65.8	180.4	64,500
90	64.1	178.0	59,300
95	62.4	175.4	54,700
100	60.7	172.6	50,600
105	58.9	169.7	46,900
110	57.1	166.5	43,600
115	55.3	163.0	40,600
120	53.4	159.3	37,900
125	51.5	155.4	35,400
130	49.5	151.2	33,200
135	47.5	146.7	31,100
140	45.4	141.8	29,100
145	43.2	136.6	27,300
150	40.9	130.9	25,700
155	38.5	124.7	24,100
160	36.0	118.0	22,600
165	33.3	110.6	21,300
170	30.4	102.3	19,100 *
175	27.2	93.0	17,000 *
180	23.6	82.1	15,000 *
185	19.4	69.0	12,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
32	82.9	206.3	177,000 *
34	82.3	206.0	177,000 *
36	81.7	205.7	177,000 *
38	81.1	205.4	176,400 *
40	80.6	205.0	172,200 *
42	80.0	204.6	165,600 *
44	79.4	204.3	159,600 *
46	78.8	203.8	154,100 *
48	78.2	203.4	145,200 *
50	77.6	203.0	137,000 *
55	76.2	201.7	119,600
60	74.7	200.4	105,800
65	73.2	198.9	94,400
70	71.7	197.2	84,900
75	70.2	195.4	76,900
80	68.6	193.5	70,100
85	67.1	191.4	64,100
90	65.5	189.1	58,900
95	63.9	186.7	54,300
100	62.3	184.1	50,200
105	60.6	181.3	46,500
110	59.0	178.3	43,200
115	57.3	175.1	40,300
120	55.5	171.7	37,500
125	53.8	168.1	35,100
130	52.0	164.2	32,800
135	50.1	160.1	30,700
140	48.2	155.7	28,700
145	46.2	150.9	26,900
150	44.2	145.9	25,300
155	42.1	140.4	23,700
160	39.8	134.5	22,300
165	37.5	128.1	20,900
170	35.1	121.1	19,600
175	32.4	113.5	17,800 *
180	29.6	104.9	15,900 *
185	26.5	95.3	14,000 *
190	23.0	84.1	12,100 *
195	18.9	70.6	10,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. BOOM			
34	82.7	216.1	171,300 *
36	82.1	215.8	169,200 *
38	81.6	215.5	166,900 *
40	81.0	215.2	164,500 *
42	80.5	214.8	160,800 *
44	79.9	214.4	155,000 *
46	79.4	214.1	149,600 *
48	78.8	213.6	144,800 *
50	78.2	213.2	136,700
55	76.8	212.1	119,400
60	75.4	210.8	105,500
65	74.0	209.3	94,100
70	72.6	207.8	84,600
75	71.1	206.1	76,600
80	69.7	204.2	69,800
85	68.2	202.3	63,800
90	66.7	200.1	58,600
95	65.2	197.8	54,000
100	63.7	195.4	49,900
105	62.2	192.8	46,200
110	60.6	190.0	42,900
115	59.0	187.0	39,900
120	57.4	183.8	37,200
125	55.8	180.4	34,700
130	54.1	176.8	32,400
135	52.4	173.0	30,400
140	50.6	169.0	28,400
145	48.8	164.6	26,600
150	46.9	160.0	24,900
155	45.0	155.1	23,400
160	43.0	149.8	21,900
165	41.0	144.1	20,600
170	38.8	138.0	19,300
175	36.6	131.4	18,100
180	34.2	124.2	16,500 *
185	31.6	116.3	14,700 *
190	28.9	107.5	13,000 *
195	25.8	97.6	11,300 *
200	22.4	86.1	9,600 *
205	18.4	72.2	7,800 *



Liftcrane Boom Capacities

Meets
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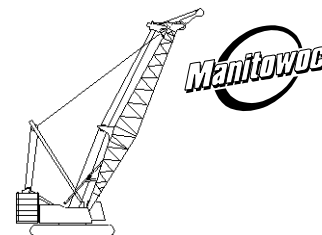
New York City Code
Boom No. 82 or 22EL
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80,000 Lb. Carbody Counterweight
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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. BOOM			
34	83.0	226.2	155,100 *
36	82.5	225.9	154,700 *
38	82.0	225.6	154,300 *
40	81.4	225.3	153,800 *
42	80.9	225.0	153,200 *
44	80.4	224.6	150,500 *
46	79.8	224.2	145,300 *
48	79.3	223.9	140,500 *
50	78.8	223.4	136,100 *
55	77.5	222.3	119,000
60	76.1	221.1	105,100
65	74.8	219.8	93,800
70	73.4	218.3	84,300
75	72.0	216.7	76,300
80	70.7	214.9	69,400
85	69.3	213.0	63,400
90	67.9	211.0	58,200
95	66.4	208.8	53,600
100	65.0	206.5	49,500
105	63.6	204.1	45,800
110	62.1	201.4	42,500
115	60.6	198.6	39,500
120	59.1	195.6	36,800
125	57.5	192.5	34,300
130	56.0	189.1	32,100
135	54.4	185.6	30,000
140	52.7	181.8	28,000
145	51.1	177.8	26,200
150	49.4	173.6	24,500
155	47.6	169.0	23,000
160	45.8	164.2	21,500
165	43.9	159.1	20,200
170	42.0	153.6	18,900
175	40.0	147.7	17,700
180	37.9	141.4	16,600
185	35.7	134.6	15,100 *
190	33.4	127.2	13,500 *
195	30.9	119.0	11,900 *
200	28.2	110.0	10,300 *
205	25.2	99.8	8,700 *
210	21.9	88.0	7,200 *
215	17.9	73.7	5,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. BOOM			
36	82.8	236.0	139,300 *
38	82.3	235.7	138,800 *
40	81.8	235.4	138,400 *
42	81.3	235.1	138,000 *
44	80.8	234.8	137,500 *
46	80.3	234.4	137,100 *
48	79.8	234.0	135,800 *
50	79.3	233.6	132,500 *
55	78.0	232.6	118,700
60	76.7	231.4	104,700
65	75.4	230.1	93,300
70	74.1	228.7	83,800
75	72.8	227.2	75,800
80	71.5	225.5	68,900
85	70.2	223.7	63,000
90	68.9	221.8	57,700
95	67.5	219.8	53,100
100	66.2	217.6	49,000
105	64.8	215.2	45,300
110	63.4	212.7	42,000
115	62.0	210.1	39,000
120	60.6	207.3	36,300
125	59.1	204.3	33,800
130	57.6	201.2	31,600
135	56.1	197.8	29,500
140	54.6	194.3	27,500
145	53.1	190.6	25,700
150	51.5	186.6	24,000
155	49.9	182.5	22,500
160	48.2	178.0	21,000
165	46.5	173.3	19,700
170	44.7	168.3	18,400
175	42.9	163.0	17,200
180	41.0	157.3	16,100
185	39.1	151.3	15,000
190	37.0	144.8	13,600 *
195	34.9	137.7	12,000 *
200	32.6	130.1	10,500 *
205	30.2	121.7	9,000 *
210	27.5	112.4	7,600 *
215	24.6	101.9	6,200 *
220	21.4	89.8	4,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. BOOM			
38	82.6	245.8	126,300 *
40	82.2	245.5	125,900 *
42	81.7	245.2	125,500 *
44	81.2	244.9	125,100 *
46	80.7	244.6	124,600 *
48	80.2	244.2	124,200 *
50	79.7	243.8	123,700 *
55	78.5	242.8	118,300
60	77.3	241.7	104,400
65	76.1	240.5	93,000
70	74.8	239.1	83,500
75	73.6	237.7	75,400
80	72.3	236.1	68,500
85	71.1	234.4	62,500
90	69.8	232.5	57,300
95	68.5	230.6	52,700
100	67.2	228.5	48,600
105	65.9	226.3	44,900
110	64.6	223.9	41,600
115	63.3	221.4	38,600
120	61.9	218.7	35,900
125	60.5	215.9	33,400
130	59.2	213.0	31,100
135	57.7	209.8	29,000
140	56.3	206.5	27,100
145	54.9	203.0	25,300
150	53.4	199.3	23,600
155	51.9	195.4	22,100
160	50.3	191.3	20,600
165	48.7	187.0	19,200
170	47.1	182.4	18,000
175	45.4	177.5	16,800
180	43.7	172.3	15,600
185	41.9	166.8	14,600
190	40.1	161.0	13,500
195	38.2	154.7	12,100 *
200	36.2	148.0	10,700 *
205	34.1	140.8	9,300 *
210	31.9	132.9	7,900 *
215	29.5	124.3	6,600 *
220	26.9	114.8	5,300 *



Liftcrane Boom Capacities

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80,000 Lb. Carbody Counterweight
360 Degree Rating

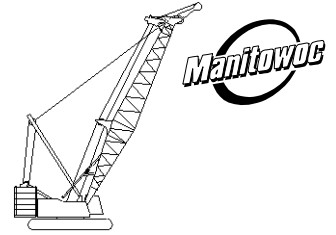
Meets
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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250 Ft. BOOM			
38	82.9	255.9	114,500 *
40	82.5	255.6	114,100 *
42	82.0	255.3	113,800 *
44	81.5	255.0	113,400 *
46	81.1	254.7	113,000 *
48	80.6	254.4	112,600 *
50	80.1	254.0	112,200 *
55	79.0	253.0	111,100 *
60	77.8	252.0	104,700
65	76.6	250.8	93,300
70	75.4	249.5	83,800
75	74.3	248.1	75,800
80	73.1	246.6	68,900
85	71.9	244.9	62,900
90	70.6	243.2	57,700
95	69.4	241.3	53,000
100	68.2	239.3	48,900
105	66.9	237.2	45,300
110	65.7	235.0	42,000
115	64.4	232.6	39,000
120	63.1	230.1	36,200
125	61.8	227.4	33,700
130	60.5	224.6	31,500
135	59.2	221.6	29,400
140	57.8	218.5	27,400
145	56.5	215.2	25,600
150	55.1	211.7	24,000
155	53.6	208.1	22,400
160	52.2	204.2	20,900
165	50.7	200.2	19,600
170	49.2	195.9	18,300
175	47.7	191.4	17,100
180	46.1	186.6	16,000
185	44.5	181.6	14,900
190	42.8	176.3	13,900
195	41.1	170.6	12,900
200	39.3	164.5	11,800 *
205	37.4	158.1	10,400 *
210	35.4	151.2	9,100 *
215	33.4	143.7	7,800 *
220	31.2	135.7	6,500 *
225	28.9	126.8	5,300 *
230	26.4	117.1	4,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. BOOM			
40	82.8	265.7	104,300 *
42	82.3	265.4	103,900 *
44	81.9	265.2	103,600 *
46	81.4	264.8	103,200 *
48	81.0	264.5	102,800 *
50	80.5	264.2	102,400 *
55	79.4	263.2	101,400 *
60	78.3	262.2	91,800
65	77.2	261.1	80,900
70	76.0	259.8	71,800
75	74.9	258.5	64,100
80	73.7	257.0	57,600
85	72.6	255.5	51,800
90	71.4	253.8	46,800
95	70.2	252.0	42,400
100	69.1	250.1	38,500
105	67.9	248.1	35,000
110	66.7	245.9	31,800
115	65.5	243.7	29,000
120	64.2	241.3	26,400
125	63.0	238.7	24,000
130	61.8	236.1	21,800
135	60.5	233.3	19,800
140	59.2	230.3	17,900
145	57.9	227.2	16,200
150	56.6	223.9	14,600
155	55.3	220.5	13,100
160	53.9	216.8	11,700
165	52.5	213.0	10,400
170	51.1	209.0	9,200
175	49.7	204.8	8,100
180	48.2	200.4	7,000
185	46.7	195.7	6,000
190	45.1	190.8	5,000
195	43.5	185.6	4,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270 Ft. BOOM			
40	83.0	275.8	95,100 *
42	82.6	275.5	94,800 *
44	82.2	275.3	94,400 *
46	81.7	275.0	94,100 *
48	81.3	274.6	93,700 *
50	80.9	274.3	93,300 *
55	79.8	273.4	92,400 *
60	78.7	272.4	91,200
65	77.6	271.3	80,300
70	76.5	270.2	71,200
75	75.5	268.9	63,500
80	74.4	267.5	56,900
85	73.2	266.0	51,200
90	72.1	264.4	46,200
95	71.0	262.7	41,700
100	69.9	260.8	37,800
105	68.7	258.9	34,300
110	67.6	256.8	31,100
115	66.4	254.7	28,300
120	65.3	252.4	25,700
125	64.1	250.0	23,300
130	62.9	247.4	21,100
135	61.7	244.7	19,100
140	60.5	241.9	17,200
145	59.2	239.0	15,500
150	58.0	235.9	13,900
155	56.7	232.6	12,400
160	55.4	229.2	11,000
165	54.1	225.6	9,700
170	52.8	221.8	8,500
175	51.5	217.9	7,300
180	50.1	213.7	6,300
185	48.7	209.3	5,200
190	47.2	204.8	4,300



Liftcrane Boom Capacities

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360 Degree Rating

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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
280 Ft. BOOM			
42	82.9	285.6	85,800 *
44	82.5	285.4	85,500 *
46	82.0	285.1	85,200 *
48	81.6	284.8	84,800 *
50	81.2	284.5	84,500 *
55	80.2	283.6	83,600 *
60	79.1	282.6	82,700 *
65	78.1	281.6	79,700
70	77.0	280.4	70,600
75	76.0	279.2	62,900
80	74.9	277.9	56,300
85	73.9	276.4	50,600
90	72.8	274.9	45,600
95	71.7	273.2	41,100
100	70.6	271.5	37,200
105	69.5	269.6	33,700
110	68.4	267.7	30,500
115	67.3	265.6	27,600
120	66.2	263.4	25,000
125	65.1	261.1	22,600
130	63.9	258.6	20,500
135	62.8	256.1	18,500
140	61.6	253.4	16,600
145	60.5	250.6	14,900
150	59.3	247.6	13,300
155	58.1	244.5	11,800
160	56.8	241.3	10,400
165	55.6	237.9	9,100
170	54.4	234.3	7,900
175	53.1	230.6	6,700
180	51.8	226.7	5,600
185	50.5	222.6	4,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
290 Ft. BOOM			
44	82.7	295.5	78,200 *
46	82.3	295.2	77,900 *
48	81.9	294.9	77,600 *
50	81.5	294.6	77,200 *
55	80.5	293.7	76,400 *
60	79.5	292.8	75,500 *
65	78.5	291.8	74,600 *
70	77.5	290.7	70,100
75	76.5	289.5	62,400
80	75.5	288.2	55,800
85	74.4	286.8	50,000
90	73.4	285.4	45,000
95	72.4	283.8	40,600
100	71.3	282.1	36,600
105	70.3	280.3	33,100
110	69.2	278.4	30,000
115	68.2	276.4	27,100
120	67.1	274.3	24,500
125	66.0	272.1	22,100
130	64.9	269.8	19,900
135	63.8	267.3	17,900
140	62.7	264.8	16,000
145	61.6	262.1	14,300
150	60.4	259.2	12,700
155	59.3	256.3	11,200
160	58.1	253.2	9,800
165	57.0	250.0	8,500
170	55.8	246.6	7,300
175	54.6	243.0	6,100
180	53.3	239.3	5,100
185	52.1	235.5	4,000