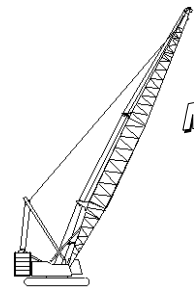




Liftcrane Boom Capacities

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

Meets
ANSI B30.5
Requirements



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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 (*).

Upper boom point capacity for liftcrane service with single part whip line is 29,500 Lbs. When boom butt mounted auxiliary drum is used, capacity with single part whip line is 20,000 Lbs. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

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. 196100** and Wire Rope Specification chart **No. 8315-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.

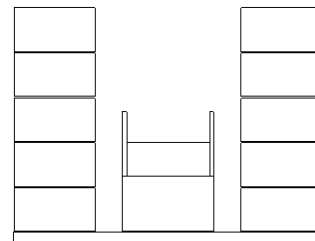
MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom within boom angle

range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8316-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, 219,600 Lb. crane counterweight, two 22,000 Lb. and two 18,000 Lb. carbody counterweights.



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

Deduct From Capacities When Jib Is Attached		
Jib Length	Jib No. 134	Jib No. 123
30 Ft.	2,700 Lbs.	2,500 Lbs.
40 Ft.	3,500 Lbs.	3,100 Lbs.
50 Ft.	4,300 Lbs.	3,700 Lbs.
60 Ft.	5,100 Lbs.	4,400 Lbs.
70 Ft.	6,100 Lbs.	—
80 Ft.	7,100 Lbs.	—

Maximum Boom and Jib Lengths Lifted Unassisted					
Over End of Blocked Crawlers			Over Side of Crawlers		
Boom Length	Jib No. 134	Jib No. 123	Boom Length	Jib No. 134	Jib No. 123
(a) 340 Ft.	—	—	320 Ft.	—	—
330 Ft.	—	—	310 Ft.	—	—
320 Ft.	—	—	300 Ft.	30 Ft.	50 Ft.
310 Ft.	—	—	290 Ft.	60 Ft.	60 Ft.
300 Ft.	80 Ft.	60 Ft.	280 Ft.	80 Ft.	60 Ft.
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 340 Ft. boom.					

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

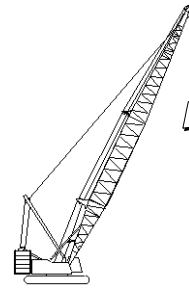


Liftcrane Boom Capacities

New York City Code
Boom No. 82LR

219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. Boom			
24	80.9	126.6	265,500 *
26	79.9	126.3	265,500 *
28	78.9	125.9	252,400 *
30	78.0	125.5	240,300 *
32	77.0	125.1	229,200 *
34	76.0	124.6	219,100 *
36	75.0	124.1	209,800 *
38	74.0	123.5	201,300 *
40	73.0	122.9	192,000 *
42	72.0	122.3	182,300
44	71.0	121.6	170,900
46	70.0	120.9	160,800
48	69.0	120.2	151,800
50	68.0	119.4	143,700
55	65.4	117.2	126,600
60	62.7	114.8	112,900
65	60.0	112.1	101,600
70	57.2	109.0	92,300
75	54.3	105.6	84,300
80	51.3	101.8	77,500
85	48.2	97.6	71,600
90	44.9	92.9	66,500
95	41.4	87.5	61,900
100	37.7	81.5	57,800
105	33.6	74.5	54,200
110	29.0	66.2	50,900
115	23.6	56.1	47,200 *
120	16.6	42.4	41,700 *
130 Ft. Boom			
26	80.7	136.4	265,500 *
28	79.8	136.1	263,400 *
30	78.9	135.7	251,300 *
32	78.0	135.3	240,300 *
34	77.1	134.9	230,100 *
36	76.2	134.4	220,800 *
38	75.3	133.9	209,700
40	74.4	133.4	195,100
42	73.5	132.8	182,200
44	72.5	132.2	170,900
46	71.6	131.5	160,800
48	70.7	130.8	151,800
50	69.7	130.1	143,600
55	67.4	128.2	126,500
60	65.0	125.9	112,800
65	62.5	123.5	101,500
70	60.0	120.7	92,200
75	57.4	117.7	84,200
80	54.8	114.3	77,400
85	52.0	110.6	71,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. Boom			
90	49.2	106.5	66,400
95	46.2	102.0	61,800
100	43.0	96.9	57,700
105	39.7	91.2	54,100
110	36.1	84.8	50,800
115	32.2	77.4	47,800
120	27.8	68.8	45,100
125	22.6	58.2	41,800 *
130	15.9	43.9	37,200 *
140 Ft. Boom			
28	80.5	146.3	265,500 *
30	79.7	145.9	260,700 *
32	78.9	145.5	249,800 *
34	78.0	145.1	238,900 *
36	77.2	144.7	225,700 *
38	76.4	144.2	209,700
40	75.5	143.7	195,000
42	74.7	143.2	182,100
44	73.8	142.6	170,800
46	73.0	142.0	160,700
48	72.1	141.4	151,600
50	71.3	140.7	143,500
55	69.1	138.9	126,300
60	66.9	136.9	112,600
65	64.6	134.6	101,400
70	62.3	132.1	92,000
75	60.0	129.4	84,000
80	57.6	126.4	77,200
85	55.2	123.0	71,300
90	52.6	119.4	66,200
95	50.0	115.4	61,600
100	47.3	111.0	57,500
105	44.4	106.1	53,900
110	41.4	100.8	50,600
115	38.2	94.8	47,700
120	34.8	88.0	44,900
125	31.0	80.3	42,500
130	26.8	71.2	40,200
135	21.8	60.1	37,000 *
140	15.4	45.2	33,000 *

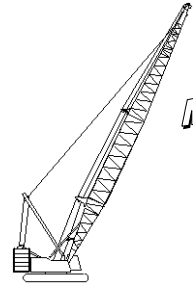
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. Boom			
30	80.4	156.1	265,500 *
32	79.6	155.7	253,300 *
34	78.9	155.3	238,600 *
36	78.1	154.9	225,400 *
38	77.3	154.5	209,600
40	76.5	154.0	194,800
42	75.7	153.5	182,000
44	74.9	153.0	170,600
46	74.1	152.4	160,500
48	73.3	151.9	151,500
50	72.5	151.2	143,300
55	70.5	149.6	126,200
60	68.5	147.7	112,400
65	66.4	145.6	101,200
70	64.3	143.3	91,800
75	62.2	140.8	83,800
80	60.0	138.1	77,000
85	57.8	135.0	71,100
90	55.5	131.7	66,000
95	53.1	128.2	61,400
100	50.7	124.2	57,300
105	48.2	120.0	53,700
110	45.6	115.3	50,400
115	42.8	110.1	47,500
120	39.9	104.5	44,800
125	36.9	98.2	42,300
130	33.6	91.1	40,000
135	29.9	83.0	37,900
140	25.8	73.5	36,000
145	21.0	62.0	32,900 *



Liftcrane Boom Capacities

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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
160 Ft. Boom			
30	81.0	166.2	236,000 *
32	80.3	165.9	236,000 *
34	79.6	165.5	234,800 *
36	78.8	165.1	224,700 *
38	78.1	164.7	209,300
40	77.4	164.3	194,500
42	76.6	163.8	181,600
44	75.9	163.3	170,300
46	75.2	162.8	160,200
48	74.4	162.3	151,100
50	73.7	161.7	143,000
55	71.8	160.1	125,800
60	69.9	158.4	112,000
65	68.0	156.5	100,700
70	66.0	154.4	91,300
75	64.1	152.0	83,400
80	62.0	149.5	76,600
85	60.0	146.7	70,700
90	57.9	143.7	65,500
95	55.8	140.4	60,900
100	53.6	136.9	56,900
105	51.3	133.1	53,200
110	49.0	128.9	49,900
115	46.6	124.3	47,000
120	44.0	119.4	44,300
125	41.4	114.0	41,800
130	38.6	108.0	39,500
135	35.7	101.4	37,400
140	32.5	94.0	35,500
145	29.0	85.6	33,700
150	25.0	75.8	31,800 *
155	20.4	63.8	28,900 *
170 Ft. Boom			
32	80.9	176.0	228,400 *
34	80.2	175.7	224,900 *
36	79.5	175.3	221,500 *
38	78.8	174.9	209,100
40	78.1	174.5	194,300
42	77.4	174.1	181,400
44	76.7	173.6	170,000
46	76.0	173.1	159,900
48	75.3	172.6	150,900
50	74.7	172.1	142,700
55	72.9	170.6	125,500
60	71.1	169.0	111,700
65	69.3	167.2	100,500
70	67.5	165.2	91,100
75	65.7	163.1	83,100
80	63.8	160.7	76,300
85	61.9	158.2	70,400
90	60.0	155.4	65,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
95	58.0	152.4	60,600
100	56.0	149.1	56,600
105	54.0	145.6	52,900
110	51.9	141.8	49,700
115	49.7	137.8	46,700
120	47.4	133.4	44,000
125	45.1	128.6	41,500
130	42.7	123.4	39,300
135	40.1	117.7	37,200
140	37.4	111.5	35,200
145	34.6	104.6	33,400
150	31.5	96.9	31,800
155	28.1	88.2	30,200
160	24.2	78.0	28,100 *
165	19.7	65.6	25,500 *
180 Ft. Boom			
34	80.7	185.8	206,400 *
36	80.1	185.5	205,500 *
38	79.4	185.1	202,600 *
40	78.8	184.7	194,100
42	78.1	184.3	181,200
44	77.5	183.9	169,800
46	76.8	183.4	159,700
48	76.2	182.9	150,600
50	75.5	182.4	142,500
55	73.9	181.1	125,200
60	72.2	179.5	111,500
65	70.5	177.9	100,200
70	68.8	176.0	90,800
75	67.1	174.0	82,800
80	65.4	171.8	76,000
85	63.6	169.4	70,100
90	61.8	166.8	64,900
95	60.0	164.0	60,300
100	58.1	161.0	56,300
105	56.3	157.8	52,600
110	54.3	154.4	49,400
115	52.3	150.6	46,400
120	50.3	146.6	43,700
125	48.2	142.3	41,200
130	46.0	137.7	39,000
135	43.8	132.7	36,900
140	41.4	127.2	34,900
145	38.9	121.3	33,200
150	36.3	114.8	31,500
155	33.6	107.7	29,900
160	30.6	99.7	28,500
165	27.3	90.6	27,100
170	23.6	80.1	24,900 *
175	19.2	67.3	22,500 *

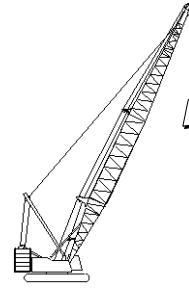
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. Boom			
36	80.6	195.6	196,000 *
38	80.0	195.3	193,200 *
40	79.4	194.9	188,300 *
42	78.8	194.5	181,000
44	78.2	194.1	169,600
46	77.5	193.7	159,500
48	76.9	193.2	150,400
50	76.3	192.7	142,200
55	74.7	191.5	125,000
60	73.2	190.0	111,200
65	71.6	188.4	99,900
70	70.0	186.7	90,500
75	68.4	184.8	82,500
80	66.8	182.7	75,700
85	65.1	180.5	69,800
90	63.4	178.1	64,600
95	61.7	175.5	60,000
100	60.0	172.7	56,000
105	58.2	169.7	52,300
110	56.5	166.5	49,100
115	54.6	163.1	46,100
120	52.8	159.4	43,400
125	50.8	155.5	40,900
130	48.9	151.2	38,700
135	46.8	146.7	36,600
140	44.7	141.8	34,600
145	42.5	136.6	32,900
150	40.3	130.9	31,200
155	37.9	124.8	29,700
160	35.3	118.0	28,200
165	32.6	110.6	26,800
170	29.7	102.4	25,600
175	26.5	93.0	24,200 *
180	22.9	82.1	22,100 *
185	18.7	69.0	20,000 *



Liftcrane Boom Capacities

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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
200 Ft. Boom			
38	80.5	205.4	177,000 *
40	79.9	205.1	175,400 *
42	79.3	204.7	173,100 *
44	78.8	204.3	169,300
46	78.2	203.9	159,100
48	77.6	203.5	150,000
50	77.0	203.0	141,900
55	75.5	201.8	124,600
60	74.0	200.4	110,800
65	72.5	198.9	99,500
70	71.0	197.3	90,000
75	69.5	195.5	82,100
80	68.0	193.6	75,200
85	66.4	191.5	69,300
90	64.8	189.2	64,100
95	63.3	186.8	59,500
100	61.6	184.1	55,500
105	60.0	181.4	51,800
110	58.3	178.4	48,500
115	56.6	175.2	45,600
120	54.9	171.8	42,900
125	53.1	168.2	40,400
130	51.3	164.3	38,100
135	49.5	160.1	36,000
140	47.5	155.7	34,100
145	45.6	151.0	32,300
150	43.5	145.9	30,700
155	41.4	140.4	29,100
160	39.2	134.5	27,700
165	36.9	128.2	26,300
170	34.4	121.2	25,000
175	31.8	113.5	23,800
180	29.0	105.0	22,700
185	25.8	95.3	21,000 *
190	22.3	84.1	19,100 *
195	18.2	70.6	17,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. Boom			
38	81.0	215.5	168,600 *
40	80.4	215.2	166,400 *
42	79.9	214.9	164,200 *
44	79.3	214.5	162,100 *
46	78.7	214.1	158,800
48	78.2	213.7	149,700
50	77.6	213.3	141,500
55	76.2	212.1	124,300
60	74.8	210.8	110,400
65	73.4	209.4	99,100
70	72.0	207.8	89,700
75	70.5	206.1	81,700
80	69.1	204.3	74,900
85	67.6	202.3	69,000
90	66.1	200.2	63,800
95	64.6	197.9	59,200
100	63.1	195.4	55,100
105	61.6	192.8	51,500
110	60.0	190.0	48,200
115	58.4	187.0	45,200
120	56.8	183.9	42,500
125	55.2	180.5	40,000
130	53.5	176.9	37,800
135	51.8	173.1	35,700
140	50.0	169.0	33,800
145	48.2	164.7	32,000
150	46.3	160.1	30,300
155	44.4	155.1	28,800
160	42.4	149.8	27,300
165	40.4	144.2	26,000
170	38.2	138.1	24,700
175	36.0	131.4	23,500
180	33.6	124.2	22,400
185	31.0	116.3	21,300
190	28.2	107.5	20,000 *
195	25.2	97.6	18,300 *
200	21.8	86.1	16,600 *
205	17.8	72.2	14,800 *

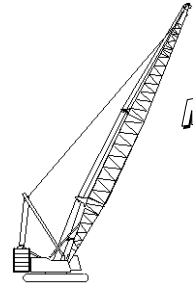
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. Boom			
40	80.8	225.4	152,500 *
42	80.3	225.0	151,900 *
44	79.8	224.7	151,300 *
46	79.3	224.3	150,700 *
48	78.7	223.9	149,400
50	78.2	223.5	141,200
55	76.9	222.4	123,900
60	75.5	221.2	110,100
65	74.2	219.8	98,800
70	72.8	218.3	89,400
75	71.4	216.7	81,400
80	70.1	215.0	74,500
85	68.7	213.1	68,600
90	67.3	211.1	63,400
95	65.9	208.9	58,800
100	64.4	206.6	54,700
105	63.0	204.1	51,100
110	61.5	201.5	47,800
115	60.0	198.7	44,800
120	58.5	195.7	42,100
125	56.9	192.5	39,700
130	55.4	189.2	37,400
135	53.8	185.6	35,300
140	52.1	181.9	33,400
145	50.5	177.9	31,600
150	48.8	173.6	29,900
155	47.0	169.1	28,400
160	45.2	164.3	26,900
165	43.3	159.1	25,600
170	41.4	153.7	24,300
175	39.4	147.8	23,100
180	37.3	141.5	22,000
185	35.1	134.6	20,900
190	32.8	127.2	19,900
195	30.3	119.1	18,900 *
200	27.6	110.0	17,300 *
205	24.6	99.8	15,800 *
210	21.3	88.0	14,200 *
215	17.3	73.7	12,600 *



Liftcrane Boom Capacities

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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. Boom			
42	80.7	235.2	137,900 *
44	80.2	234.8	137,400 *
46	79.7	234.5	136,800 *
48	79.2	234.1	136,300 *
50	78.7	233.7	135,700 *
55	77.4	232.7	123,600
60	76.2	231.5	109,800
65	74.9	230.2	98,400
70	73.6	228.8	89,000
75	72.3	227.2	81,000
80	71.0	225.6	74,200
85	69.6	223.8	68,200
90	68.3	221.9	63,000
95	67.0	219.8	58,400
100	65.6	217.6	54,400
105	64.2	215.3	50,700
110	62.8	212.8	47,400
115	61.4	210.1	44,500
120	60.0	207.3	41,800
125	58.6	204.4	39,300
130	57.1	201.2	37,000
135	55.6	197.9	34,900
140	54.1	194.4	33,000
145	52.5	190.6	31,200
150	50.9	186.7	29,600
155	49.3	182.5	28,000
160	47.6	178.1	26,600
165	45.9	173.4	25,200
170	44.2	168.4	24,000
175	42.3	163.1	22,800
180	40.5	157.4	21,600
185	38.5	151.3	20,600
190	36.5	144.8	19,600
195	34.3	137.8	18,600
200	32.0	130.1	17,700
205	29.6	121.7	16,300 *
210	27.0	112.4	14,900 *
215	24.1	102.0	13,500 *
220	20.8	89.9	12,100 *
225	17.0	75.2	10,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. Boom			
44	80.6	245.0	125,200 *
46	80.2	244.6	124,600 *
48	79.7	244.3	124,100 *
50	79.2	243.9	123,600 *
55	78.0	242.9	122,300 *
60	76.8	241.8	109,300
65	75.5	240.5	98,000
70	74.3	239.2	88,500
75	73.0	237.7	80,500
80	71.8	236.1	73,700
85	70.5	234.4	67,700
90	69.3	232.6	62,500
95	68.0	230.6	57,900
100	66.7	228.5	53,900
105	65.4	226.3	50,200
110	64.1	224.0	46,900
115	62.7	221.5	43,900
120	61.4	218.8	41,200
125	60.0	216.0	38,700
130	58.6	213.0	36,500
135	57.2	209.9	34,400
140	55.8	206.6	32,500
145	54.3	203.1	30,700
150	52.8	199.4	29,000
155	51.3	195.5	27,500
160	49.8	191.4	26,000
165	48.2	187.0	24,700
170	46.6	182.4	23,400
175	44.9	177.6	22,200
180	43.2	172.4	21,100
185	41.4	166.9	20,000
190	39.6	161.0	19,000
195	37.7	154.8	18,100
200	35.7	148.1	17,200
205	33.6	140.8	16,300
210	31.3	133.0	15,000 *
215	29.0	124.3	13,700 *
220	26.4	114.8	12,400 *
225	23.6	104.1	11,100 *
230	20.4	91.7	9,800 *
235	16.6	76.7	8,400 *

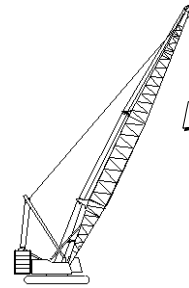
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250 Ft. Boom			
44	81.0	255.1	113,800 *
46	80.6	254.8	113,300 *
48	80.1	254.4	112,900 *
50	79.6	254.1	112,400 *
55	78.5	253.1	111,200 *
60	77.3	252.0	109,000
65	76.1	250.8	97,600
70	74.9	249.6	88,200
75	73.7	248.2	80,200
80	72.5	246.6	73,300
85	71.3	245.0	67,300
90	70.1	243.3	62,100
95	68.9	241.4	57,500
100	67.7	239.4	53,500
105	66.4	237.3	49,800
110	65.2	235.0	46,500
115	63.9	232.7	43,500
120	62.6	230.1	40,800
125	61.3	227.5	38,300
130	60.0	224.7	36,100
135	58.7	221.7	34,000
140	57.3	218.6	32,100
145	55.9	215.3	30,300
150	54.5	211.8	28,600
155	53.1	208.2	27,100
160	51.7	204.3	25,600
165	50.2	200.2	24,300
170	48.7	196.0	23,000
175	47.2	191.5	21,800
180	45.6	186.7	20,700
185	43.9	181.6	19,600
190	42.3	176.3	18,600
195	40.5	170.6	17,700
200	38.7	164.6	16,800
205	36.9	158.2	15,900
210	34.9	151.2	15,100
215	32.9	143.8	13,900 *
220	30.7	135.7	12,700 *
225	28.4	126.9	11,500 *
230	25.8	117.1	10,300 *
235	23.1	106.1	9,100 *
240	19.9	93.4	7,900 *
245	16.3	78.2	6,600 *



Liftcrane Boom Capacities

New York City Code
Boom No. 82LR
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. Boom			
46	80.9	264.9	103,700 *
48	80.5	264.6	103,300 *
50	80.0	264.2	102,800 *
55	78.9	263.3	101,700 *
60	77.8	262.3	97,400
65	76.7	261.1	86,600
70	75.5	259.9	77,600
75	74.4	258.6	69,900
80	73.2	257.1	63,400
85	72.1	255.5	57,700
90	70.9	253.9	52,800
95	69.7	252.1	48,400
100	68.6	250.2	44,500
105	67.4	248.2	41,000
110	66.2	246.0	37,900
115	65.0	243.7	35,000
120	63.7	241.3	32,400
125	62.5	238.8	30,100
130	61.3	236.1	27,900
135	60.0	233.3	25,900
140	58.7	230.4	24,100
145	57.4	227.2	22,400
150	56.1	224.0	20,800
155	54.8	220.5	19,300
160	53.4	216.9	18,000
165	52.0	213.1	16,700
170	50.6	209.1	15,500
175	49.2	204.9	14,300
180	47.7	200.4	13,300
185	46.2	195.8	12,200
190	44.6	190.8	11,300
195	43.0	185.6	10,400
200	41.4	180.1	9,500
205	39.7	174.3	8,700
210	38.0	168.1	7,900
215	36.1	161.4	7,200
220	34.2	154.4	6,500
225	32.2	146.7	5,800
230	30.1	138.4	5,200
235	27.8	129.4	4,600
240	25.3	119.4	4,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270 Ft. Boom			
48	80.8	274.7	94,900 *
50	80.4	274.4	94,400 *
55	79.3	273.5	93,400 *
60	78.2	272.5	92,300 *
65	77.2	271.4	86,000
70	76.1	270.2	77,000
75	75.0	268.9	69,400
80	73.9	267.5	62,800
85	72.8	266.0	57,200
90	71.7	264.4	52,200
95	70.5	262.7	47,800
100	69.4	260.9	43,900
105	68.3	259.0	40,400
110	67.1	256.9	37,300
115	66.0	254.7	34,500
120	64.8	252.4	31,900
125	63.6	250.0	29,500
130	62.4	247.5	27,300
135	61.2	244.8	25,400
140	60.0	242.0	23,500
145	58.8	239.0	21,800
150	57.5	235.9	20,200
155	56.3	232.7	18,800
160	55.0	229.2	17,400
165	53.7	225.6	16,100
170	52.3	221.9	14,900
175	51.0	217.9	13,800
180	49.6	213.8	12,700
185	48.2	209.4	11,700
190	46.7	204.8	10,700
195	45.3	200.0	9,800
200	43.8	194.9	9,000
205	42.2	189.5	8,200
210	40.6	183.9	7,400
215	38.9	177.9	6,600
220	37.2	171.5	5,900
225	35.4	164.7	5,300
230	33.6	157.4	4,600
235	31.6	149.6	4,000

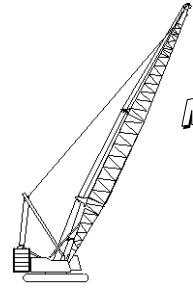
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
280 Ft. Boom			
50	80.8	284.5	85,600 *
55	79.7	283.7	84,700 *
60	78.7	282.7	83,700 *
65	77.6	281.6	82,800 *
70	76.6	280.5	76,300
75	75.5	279.3	68,700
80	74.5	277.9	62,100
85	73.4	276.5	56,500
90	72.3	274.9	51,500
95	71.3	273.3	47,100
100	70.2	271.5	43,200
105	69.1	269.7	39,700
110	68.0	267.7	36,600
115	66.9	265.6	33,700
120	65.8	263.4	31,100
125	64.6	261.1	28,800
130	63.5	258.7	26,600
135	62.3	256.1	24,600
140	61.2	253.5	22,800
145	60.0	250.6	21,100
150	58.8	247.7	19,500
155	57.6	244.6	18,000
160	56.4	241.3	16,600
165	55.2	237.9	15,300
170	53.9	234.4	14,100
175	52.6	230.6	13,000
180	51.3	226.7	11,900
185	50.0	222.6	10,900
190	48.6	218.3	10,000
195	47.3	213.8	9,100
200	45.9	209.1	8,200
205	44.4	204.1	7,400
210	42.9	198.9	6,600
215	41.4	193.4	5,900
220	39.8	187.5	5,200
225	38.2	181.4	4,500



Liftcrane Boom Capacities

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219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
290 Ft. Boom			
55	80.1	293.8	77,900 *
60	79.1	292.9	77,000 *
65	78.1	291.9	76,100 *
70	77.0	290.8	75,100 *
75	76.0	289.6	68,100
80	75.0	288.3	61,600
85	74.0	286.9	55,900
90	73.0	285.4	50,900
95	71.9	283.8	46,500
100	70.9	282.2	42,600
105	69.8	280.4	39,100
110	68.8	278.5	36,000
115	67.7	276.5	33,100
120	66.6	274.4	30,500
125	65.6	272.2	28,200
130	64.5	269.8	26,000
135	63.4	267.4	24,000
140	62.3	264.8	22,200
145	61.1	262.1	20,500
150	60.0	259.3	18,900
155	58.9	256.3	17,400
160	57.7	253.3	16,000
165	56.5	250.0	14,700
170	55.3	246.6	13,500
175	54.1	243.1	12,400
180	52.9	239.4	11,300
185	51.6	235.5	10,300
190	50.4	231.5	9,400
195	49.1	227.2	8,500
200	47.7	222.8	7,600
205	46.4	218.2	6,800
210	45.0	213.3	6,000
215	43.6	208.2	5,300
220	42.2	202.8	4,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
300 Ft. Boom			
55	80.4	304.0	71,600 *
60	79.4	303.1	70,700 *
65	78.5	302.1	69,800 *
70	77.5	301.0	68,900 *
75	76.5	299.9	67,500
80	75.5	298.6	61,000
85	74.5	297.3	55,300
90	73.5	295.9	50,300
95	72.5	294.3	45,900
100	71.5	292.7	42,000
105	70.5	291.0	38,500
110	69.5	289.2	35,400
115	68.5	287.3	32,500
120	67.5	285.2	29,900
125	66.4	283.1	27,600
130	65.4	280.9	25,400
135	64.3	278.5	23,400
140	63.3	276.1	21,600
145	62.2	273.5	19,900
150	61.1	270.8	18,300
155	60.0	268.0	16,800
160	58.9	265.0	15,400
165	57.8	261.9	14,100
170	56.6	258.7	12,900
175	55.5	255.3	11,800
180	54.3	251.8	10,700
185	53.1	248.2	9,700
190	51.9	244.3	8,800
195	50.7	240.3	7,900
200	49.5	236.1	7,000
205	48.2	231.8	6,200
210	46.9	227.2	5,400
215	45.6	222.4	4,700
220	44.2	217.4	4,000

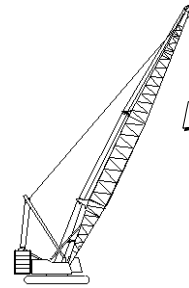
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
310 Ft. Boom			
55	80.7	314.1	70,500 *
60	79.8	313.2	69,700 *
65	78.8	312.3	69,000 *
70	77.9	311.3	68,000 *
75	76.9	310.1	62,900 *
80	76.0	308.9	60,200 *
85	75.0	307.7	55,600
90	74.1	306.3	50,600
95	73.1	304.8	46,200
100	72.2	303.2	42,200
105	71.2	301.6	38,700
110	70.2	299.8	35,600
115	69.2	298.0	32,700
120	68.2	296.0	30,100
125	67.2	294.0	27,700
130	66.2	291.8	25,500
135	65.2	289.6	23,500
140	64.2	287.2	21,700
145	63.2	284.7	19,900
150	62.1	282.2	18,300
155	61.1	279.4	16,900
160	60.0	276.6	15,500
165	58.9	273.7	14,200
170	57.8	270.6	13,000
175	56.7	267.4	11,800
180	55.6	264.0	10,700
185	54.5	260.5	9,700
190	53.4	256.9	8,800
195	52.2	253.1	7,800
200	51.0	249.1	7,000
205	49.8	245.0	6,200
210	48.6	240.7	5,400
215	47.4	236.2	4,600



Liftcrane Boom Capacities

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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
320 Ft. Boom			
55	81.0	324.2	65,300 *
60	80.1	323.4	64,600 *
65	79.2	322.5	63,800 *
70	78.3	321.5	63,100 *
75	77.4	320.4	60,600 *
80	76.4	319.2	57,900 *
85	75.5	318.0	54,900
90	74.6	316.7	49,900
95	73.7	315.2	45,500
100	72.7	313.7	41,500
105	71.8	312.1	38,000
110	70.8	310.4	34,900
115	69.9	308.7	32,000
120	68.9	306.8	29,400
125	68.0	304.8	27,000
130	67.0	302.7	24,800
135	66.0	300.6	22,800
140	65.0	298.3	20,900
145	64.1	295.9	19,200
150	63.1	293.4	17,600
155	62.0	290.8	16,100
160	61.0	288.1	14,700
165	60.0	285.3	13,400
170	59.0	282.3	12,200
175	57.9	279.3	11,100
180	56.8	276.1	10,000
185	55.8	272.7	9,000
190	54.7	269.3	8,000
195	53.6	265.6	7,100
200	52.5	261.9	6,200
205	51.3	258.0	5,400
210	50.2	253.9	4,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
330 Ft. Boom			
60	80.4	333.5	59,000 *
65	79.5	332.7	59,000 *
70	78.6	331.7	58,500 *
75	77.8	330.6	57,900 *
80	76.9	329.5	56,100 *
85	76.0	328.3	53,700 *
90	75.1	327.0	49,300
95	74.2	325.6	44,900
100	73.3	324.2	40,900
105	72.4	322.6	37,400
110	71.4	321.0	34,200
115	70.5	319.3	31,400
120	69.6	317.5	28,700
125	68.7	315.6	26,400
130	67.7	313.6	24,200
135	66.8	311.5	22,200
140	65.9	309.3	20,300
145	64.9	307.0	18,600
150	63.9	304.6	17,000
155	63.0	302.1	15,500
160	62.0	299.5	14,100
165	61.0	296.8	12,800
170	60.0	293.9	11,600
175	59.0	291.0	10,400
180	58.0	287.9	9,400
185	56.9	284.7	8,300
190	55.9	281.4	7,400
195	54.8	278.0	6,500
200	53.8	274.4	5,600
205	52.7	270.6	4,800
210	51.6	266.8	4,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
340 Ft. Boom			
60	80.7	343.7	55,700 *
65	79.8	342.8	55,000 *
70	79.0	341.9	54,300 *
75	78.1	340.9	53,700 *
80	77.3	339.8	53,000 *
85	76.4	338.6	51,600 *
90	75.5	337.4	48,700
95	74.7	336.0	44,300
100	73.8	334.6	40,300
105	72.9	333.1	36,800
110	72.0	331.5	33,600
115	71.1	329.9	30,800
120	70.2	328.1	28,200
125	69.3	326.3	25,800
130	68.4	324.3	23,600
135	67.5	322.3	21,600
140	66.6	320.2	19,700
145	65.7	318.0	18,000
150	64.8	315.7	16,400
155	63.8	313.3	14,900
160	62.9	310.8	13,500
165	61.9	308.2	12,200
170	61.0	305.4	11,000
175	60.0	302.6	9,800
180	59.0	299.7	8,800
185	58.0	296.6	7,700
190	57.0	293.4	6,800
195	56.0	290.1	5,900
200	55.0	286.7	5,000
205	54.0	283.1	4,200