

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

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 and luffing jib length combinations thru 250 Ft. and New York City criteria of 1.4 factor applied to total machine moment for boom and luffing jib length combinations 260 Ft. on up. Capacities based on structural competence are denoted by an asterisk (*).

190 Ft. boom length without intermediate fall in luffing jib requires only the middle two sheaves in the lower boom point; all other sheaves must be removed from lower boom point.

Lower boom point assembly must be completely removed from 190 Ft. boom length with intermediate fall in luffing jib. Additionally, 190 Ft. boom capacity column cannot be used.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of main boom load. Weight of luffing jib and 2,825 Lbs. suspended beneath luffing jib point sheaves have been included in capacity determination. 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 crawlers fully extended and gantry up. During operation, luffing jib must be maintained at proper boom to luffing jib angle shown in table. Refer to luffing jib assembly **No. 177063**, **No. 177354** or **No. A07691**, Wire Rope Specification chart **No. 7824-A** and Luffing Jib Raising Procedure chart **No. 7826-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 with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 7827-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, 8 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendants and backstays, 179,100 Lb. crane counterweight and 44,000 Lb. carbody counterweight.

Consult chart **No. 7887-A** for main luffing jib capacities. Consult chart **No. 8519-A** for intermediate fall capacities.

Fixed jib No. 138 must be removed before use of this chart.

Luffing Jib Position During Operation	
Luffing Jib Length - Feet	Boom To Luffing Jib Angle
70	140 Degrees
80 - 90	150 Degrees
100 - 120	160 Degrees
130 - 170	168 Degrees

Intermediate Fall Deduct
Deduct 2,600 Lbs. From Capacities When Luffing Jib Is Equipped With Intermediate Fall.

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70 Ft. Luffing Jib Attached At 140 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. Boom			
16	82.8	77.2	394,000 *
17	82.0	77.1	370,600 *
18	81.1	76.9	349,600 *
19	80.3	76.7	330,600 *
20	79.5	76.5	313,300 *
22	77.8	76.0	283,100 *
24	76.1	75.5	257,500 *
26	74.4	74.9	235,600 *
28	72.7	74.2	216,700 *
30	70.9	73.5	200,100 *
80 Ft. Boom			
17	83.0	87.2	369,300 *
18	82.3	87.0	349,200 *
19	81.5	86.9	330,200 *
20	80.8	86.7	313,000 *
22	79.3	86.3	282,800 *
24	77.9	85.8	257,300 *
26	76.4	85.3	235,400 *
28	74.9	84.7	216,500 *
30	73.4	84.1	199,900 *
32	71.9	83.4	185,300 *
34	70.4	82.7	171,300 *
90 Ft. Boom			
19	82.5	97.0	329,400 *
20	81.8	96.8	312,900 *
22	80.5	96.5	282,700 *
24	79.2	96.1	257,200 *
26	77.9	95.6	235,300 *
28	76.6	95.1	216,400 *
30	75.3	94.6	199,800 *
32	74.0	93.9	185,200 *
34	72.6	93.3	172,100 *
36	71.3	92.6	156,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. Boom			
20	82.7	107.0	312,900 *
22	81.5	106.6	282,700 *
24	80.3	106.3	257,200 *
26	79.2	105.9	235,400 *
28	78.0	105.4	216,500 *
30	76.8	104.9	200,000 *
32	75.6	104.4	185,400 *
34	74.4	103.8	172,400 *
36	73.2	103.2	156,700 *
38	72.0	102.5	143,000 *
40	70.8	101.8	131,100 *
110 Ft. Boom			
22	82.3	116.8	282,300 *
24	81.2	116.4	256,900 *
26	80.2	116.1	235,000 *
28	79.1	115.7	216,100 *
30	78.0	115.2	199,600 *
32	77.0	114.7	185,000 *
34	75.9	114.2	172,000 *
36	74.8	113.6	157,100 *
38	73.7	113.0	143,300 *
40	72.6	112.4	131,400 *
42	71.5	111.7	120,900 *
44	70.4	110.9	111,700 *
120 Ft. Boom			
22	82.9	126.9	275,700 *
24	82.0	126.6	256,600 *
26	81.0	126.2	234,800 *
28	80.0	125.9	215,900 *
30	79.1	125.4	199,400 *
32	78.1	125.0	184,800 *
34	77.1	124.5	171,800 *
36	76.1	124.0	157,300 *
38	75.1	123.5	143,500 *
40	74.1	122.9	131,600 *
42	73.1	122.2	121,100 *
44	72.1	121.6	111,900 *
46	71.1	120.9	103,700 *
48	70.1	120.1	96,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. Boom			
24	82.6	136.7	241,400 *
26	81.7	136.4	234,600 *
28	80.8	136.0	215,800 *
30	79.9	135.7	199,300 *
32	79.0	135.2	184,700 *
34	78.1	134.8	171,800 *
36	77.2	134.3	157,700 *
38	76.3	133.8	143,900 *
40	75.4	133.3	131,900 *
42	74.4	132.7	121,400 *
44	73.5	132.1	112,200 *
46	72.6	131.4	104,000 *
48	71.7	130.8	96,600 *
50	70.7	130.1	90,000 *
140 Ft. Boom			
26	82.3	146.5	223,200 *
28	81.5	146.2	215,500 *
30	80.6	145.8	199,000 *
32	79.8	145.4	184,400 *
34	79.0	145.1	171,500 *
36	78.1	144.6	157,800 *
38	77.3	144.1	144,000 *
40	76.4	143.6	132,000 *
42	75.6	143.1	121,500 *
44	74.7	142.5	112,300 *
46	73.9	141.9	104,100 *
48	73.0	141.3	96,700 *
50	72.2	140.6	90,100 *
150 Ft. Boom			
26	82.8	156.6	199,100 *
28	82.0	156.3	194,200 *
30	81.3	156.0	189,500 *
32	80.5	155.6	183,800 *
34	79.7	155.2	170,900 *
36	78.9	154.8	157,900 *
38	78.2	154.4	144,100 *
40	77.4	153.9	132,100 *
42	76.6	153.4	121,500 *
44	75.8	152.9	112,300 *
46	75.0	152.4	104,000 *
48	74.2	151.8	96,600 *
50	73.4	151.2	90,000 *
55	71.4	149.5	76,000 *

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70 Ft. Luffing Jib Attached At 140 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. Boom			
28	82.5	166.4	184,800 *
30	81.8	166.1	180,300 *
32	81.1	165.8	175,900 *
34	80.4	165.4	170,400 *
36	79.6	165.1	157,900
38	78.9	164.6	144,000
40	78.2	164.2	132,000
42	77.4	163.7	121,500
44	76.7	163.2	112,200
46	75.9	162.7	103,900
48	75.2	162.2	96,500
50	74.5	161.6	89,900
55	72.6	160.1	75,800
60	70.7	158.3	64,600
170 Ft. Boom			
28	83.0	176.5	169,000 *
30	82.3	176.2	165,500 *
32	81.6	175.9	162,100 *
34	80.9	175.6	158,700 *
36	80.2	175.2	155,300 *
38	79.6	174.9	144,100
40	78.9	174.4	132,000
42	78.2	174.0	121,500
44	77.5	173.6	112,200
46	76.8	173.1	103,900
48	76.1	172.6	96,500
50	75.4	172.0	89,900
55	73.7	170.6	75,800
60	71.9	168.9	64,600
65	70.1	167.1	55,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. Boom			
30	82.7	186.3	155,800 *
32	82.1	186.0	152,700 *
34	81.4	185.7	149,500 *
36	80.8	185.4	146,300 *
38	80.2	185.0	143,200 *
40	79.5	184.6	131,900
42	78.8	184.2	121,400
44	78.2	183.8	112,000
46	77.6	183.4	103,800
48	76.9	182.9	96,400
50	76.2	182.4	89,700
55	74.6	181.0	75,600
60	72.9	179.5	64,300
65	71.2	177.8	55,100
190 Ft. Boom			
32	82.5	196.1	118,000 *
34	81.9	195.9	118,000 *
36	81.3	195.5	118,000 *
38	80.7	195.2	118,000 *
40	80.1	194.8	111,300
42	79.4	194.4	101,200
44	78.8	194.0	92,400
46	78.2	193.6	84,500
48	77.6	193.1	77,500
50	77.0	192.7	71,200
55	75.4	191.4	57,800
60	73.8	189.9	47,100
65	72.3	188.4	38,400
70	70.7	186.6	31,100

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80 Ft. Luffing Jib Attached At 150 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. Boom			
16	82.8	77.2	394,200 *
17	82.0	77.1	370,700 *
18	81.1	76.9	349,500 *
19	80.3	76.7	330,300 *
20	79.5	76.5	312,900 *
22	77.8	76.0	282,400 *
24	76.1	75.5	256,700 *
26	74.4	74.9	234,700 *
28	72.7	74.2	215,600 *
30	70.9	73.5	198,900 *
32	69.2	72.7	184,100 *
34	67.4	71.8	169,100 *
36	65.6	70.9	153,200 *
80 Ft. Boom			
17	83.0	87.2	370,300 *
18	82.3	87.0	349,300 *
19	81.5	86.9	330,100 *
20	80.8	86.7	312,700 *
22	79.3	86.3	282,300 *
24	77.9	85.8	256,600 *
26	76.4	85.3	234,600 *
28	74.9	84.7	215,500 *
30	73.4	84.1	198,800 *
32	71.9	83.4	184,100 *
34	70.4	82.7	170,200 *
36	68.8	81.8	154,200 *
38	67.2	81.0	140,500 *
40	65.7	80.0	128,600 *
42	64.1	79.0	118,200 *
90 Ft. Boom			
19	82.5	97.0	330,100 *
20	81.8	96.8	312,700 *
22	80.5	96.5	282,400 *
24	79.2	96.1	256,700 *
26	77.9	95.6	234,700 *
28	76.6	95.1	215,600 *
30	75.3	94.6	198,900 *
32	74.0	93.9	184,200 *
34	72.6	93.3	171,200 *
36	71.3	92.6	155,100 *
38	69.9	91.8	141,300 *
40	68.6	91.0	129,400 *
42	67.2	90.1	119,000 *
44	65.8	89.2	109,800 *
46	64.3	88.2	101,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. Boom			
20	82.7	107.0	312,900 *
22	81.5	106.6	282,500 *
24	80.3	106.3	256,900 *
26	79.2	105.9	234,900 *
28	78.0	105.4	215,800 *
30	76.8	104.9	199,200 *
32	75.6	104.4	184,500 *
34	74.4	103.8	171,500 *
36	73.2	103.2	155,800 *
38	72.0	102.5	142,100 *
40	70.8	101.8	130,100 *
42	69.6	101.0	119,700 *
44	68.3	100.2	110,400 *
46	67.1	99.3	102,200 *
48	65.8	98.4	94,900 *
50	64.6	97.4	88,300 *
110 Ft. Boom			
22	82.3	116.8	282,200 *
24	81.2	116.4	256,600 *
26	80.2	116.1	234,600 *
28	79.1	115.7	215,600 *
30	78.0	115.2	198,900 *
32	77.0	114.7	184,200 *
34	75.9	114.2	171,200 *
36	74.8	113.6	156,300 *
38	73.7	113.0	142,500 *
40	72.6	112.4	130,500 *
42	71.5	111.7	120,000 *
44	70.4	110.9	110,800 *
46	69.3	110.2	102,600 *
48	68.2	109.3	95,200 *
50	67.0	108.5	88,600 *
55	64.1	106.1	74,600 *
120 Ft. Boom			
22	82.9	126.9	277,300 *
24	82.0	126.6	256,400 *
26	81.0	126.2	234,500 *
28	80.0	125.9	215,400 *
30	79.1	125.4	198,800 *
32	78.1	125.0	184,100 *
34	77.1	124.5	171,100 *
36	76.1	124.0	156,700 *
38	75.1	123.5	142,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. Boom			
40	74.1	122.9	130,800 *
42	73.1	122.2	120,300 *
44	72.1	121.6	111,100 *
46	71.1	120.9	102,800 *
48	70.1	120.1	95,500 *
50	69.1	119.3	88,800 *
55	66.4	117.2	74,800 *
130 Ft. Boom			
24	82.6	136.7	243,700 *
26	81.7	136.4	234,400 *
28	80.8	136.0	215,400 *
30	79.9	135.7	198,800 *
32	79.0	135.2	184,100 *
34	78.1	134.8	171,100 *
36	77.2	134.3	157,100 *
38	76.3	133.8	143,300 *
40	75.4	133.3	131,200 *
42	74.4	132.7	120,700 *
44	73.5	132.1	111,400 *
46	72.6	131.4	103,200 *
48	71.7	130.8	95,800 *
50	70.7	130.1	89,100 *
55	68.4	128.1	75,100 *
60	66.0	125.9	63,900 *
140 Ft. Boom			
26	82.3	146.5	225,600 *
28	81.5	146.2	215,200 *
30	80.6	145.8	198,600 *
32	79.8	145.4	183,900 *
34	79.0	145.1	170,900 *
36	78.1	144.6	157,400 *
38	77.3	144.1	143,500 *
40	76.4	143.6	131,400 *
42	75.6	143.1	120,900 *
44	74.7	142.5	111,600 *
46	73.9	141.9	103,300 *
48	73.0	141.3	95,900 *
50	72.2	140.6	89,300 *
55	70.0	138.9	75,200 *
60	67.8	136.8	64,000 *
65	65.5	134.6	54,800 *

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80 Ft. Luffing Jib Attached At 150 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. Boom			
26	82.8	156.6	201,500 *
28	82.0	156.3	196,500 *
30	81.3	156.0	191,500 *
32	80.5	155.6	183,400 *
34	79.7	155.2	170,300 *
36	78.9	154.8	157,500
38	78.2	154.4	143,600
40	77.4	153.9	131,500
42	76.6	153.4	120,900
44	75.8	152.9	111,600
46	75.0	152.4	103,300
48	74.2	151.8	95,900
50	73.4	151.2	89,200
55	71.4	149.5	75,100
60	69.3	147.6	63,900
65	67.3	145.6	54,600
70	65.2	143.3	46,900
160 Ft. Boom			
28	82.5	166.4	187,300 *
30	81.8	166.1	182,700 *
32	81.1	165.8	178,100 *
34	80.4	165.4	169,900 *
36	79.6	165.1	157,600
38	78.9	164.6	143,600
40	78.2	164.2	131,500
42	77.4	163.7	120,900
44	76.7	163.2	111,600
46	75.9	162.7	103,300
48	75.2	162.2	95,900
50	74.5	161.6	89,200
55	72.6	160.1	75,000
60	70.7	158.3	63,700
65	68.8	156.4	54,500
70	66.8	154.3	46,800
75	64.9	152.0	40,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
28	83.0	176.5	171,600 *
30	82.3	176.2	167,900 *
32	81.6	175.9	164,300 *
34	80.9	175.6	160,800 *
36	80.2	175.2	157,200 *
38	79.6	174.9	143,700
40	78.9	174.4	131,600
42	78.2	174.0	121,000
44	77.5	173.6	111,600
46	76.8	173.1	103,300
48	76.1	172.6	95,900
50	75.4	172.0	89,200
55	73.7	170.6	75,100
60	71.9	168.9	63,800
65	70.1	167.1	54,500
70	68.3	165.2	46,800
75	66.4	163.0	40,300
80	64.6	160.6	34,700
180 Ft. Boom			
30	82.7	186.3	158,500 *
32	82.1	186.0	155,200 *
34	81.4	185.7	150,500
36	80.8	185.4	135,000
38	80.2	185.0	121,700
40	79.5	184.6	110,200
42	78.8	184.2	100,100
44	78.2	183.8	91,200
46	77.6	183.4	83,300
48	76.9	182.9	76,300
50	76.2	182.4	69,900
55	74.6	181.0	56,500
60	72.9	179.5	45,700
65	71.2	177.8	36,900
70	69.5	175.9	29,600
75	67.8	173.9	23,400
80	66.1	171.7	18,100
85	64.3	169.3	13,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. Boom			
32	82.5	196.1	118,000 *
34	81.9	195.9	118,000 *
36	81.3	195.5	118,000 *
38	80.7	195.2	118,000 *
40	80.1	194.8	110,800
42	79.4	194.4	100,700
44	78.8	194.0	91,800
46	78.2	193.6	83,800
48	77.6	193.1	76,800
50	77.0	192.7	70,400
55	75.4	191.4	56,900
60	73.8	189.9	46,100
65	72.3	188.4	37,300
70	70.7	186.6	30,000
75	69.1	184.7	23,800
80	67.4	182.6	18,400
85	65.8	180.4	13,800

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Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

90 Ft. Luffing Jib Attached At 150 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. Boom			
16	82.8	77.2	389,800 *
17	82.0	77.1	366,400 *
18	81.1	76.9	345,300 *
19	80.3	76.7	326,300 *
20	79.5	76.5	309,000 *
22	77.8	76.0	278,700 *
24	76.1	75.5	253,100 *
26	74.4	74.9	231,200 *
28	72.7	74.2	212,200 *
30	70.9	73.5	195,600 *
32	69.2	72.7	181,000 *
34	67.4	71.8	165,900 *
36	65.6	70.9	150,100 *
80 Ft. Boom			
17	83.0	87.2	366,300 *
18	82.3	87.0	345,200 *
19	81.5	86.9	326,200 *
20	80.8	86.7	308,900 *
22	79.3	86.3	278,700 *
24	77.9	85.8	253,100 *
26	76.4	85.3	231,200 *
28	74.9	84.7	212,300 *
30	73.4	84.1	195,700 *
32	71.9	83.4	181,100 *
34	70.4	82.7	167,100 *
36	68.8	81.8	151,200 *
38	67.2	81.0	137,700 *
40	65.7	80.0	125,900 *
42	64.1	79.0	115,600 *
90 Ft. Boom			
19	82.5	97.0	326,300 *
20	81.8	96.8	309,000 *
22	80.5	96.5	278,800 *
24	79.2	96.1	253,200 *
26	77.9	95.6	231,400 *
28	76.6	95.1	212,400 *
30	75.3	94.6	195,900 *
32	74.0	93.9	181,300 *
34	72.6	93.3	168,100 *
36	71.3	92.6	152,200 *
38	69.9	91.8	138,600 *
40	68.6	91.0	126,800 *
42	67.2	90.1	116,400 *
44	65.8	89.2	107,300 *
46	64.3	88.2	99,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. Boom			
20	82.7	107.0	309,200 *
22	81.5	106.6	279,000 *
24	80.3	106.3	253,500 *
26	79.2	105.9	231,700 *
28	78.0	105.4	212,700 *
30	76.8	104.9	196,200 *
32	75.6	104.4	181,600 *
34	74.4	103.8	168,600 *
36	73.2	103.2	153,000 *
38	72.0	102.5	139,400 *
40	70.8	101.8	127,600 *
42	69.6	101.0	117,200 *
44	68.3	100.2	108,100 *
46	67.1	99.3	99,900 *
48	65.8	98.4	92,700 *
50	64.6	97.4	86,100 *
110 Ft. Boom			
22	82.3	116.8	278,800 *
24	81.2	116.4	253,300 *
26	80.2	116.1	231,400 *
28	79.1	115.7	212,500 *
30	78.0	115.2	196,000 *
32	77.0	114.7	181,400 *
34	75.9	114.2	168,400 *
36	74.8	113.6	153,600 *
38	73.7	113.0	139,900 *
40	72.6	112.4	128,000 *
42	71.5	111.7	117,600 *
44	70.4	110.9	108,500 *
46	69.3	110.2	100,300 *
48	68.2	109.3	93,000 *
50	67.0	108.5	86,400 *
55	64.1	106.1	72,600 *
120 Ft. Boom			
22	82.9	126.9	274,400 *
24	82.0	126.6	253,200 *
26	81.0	126.2	231,300 *
28	80.0	125.9	212,400 *
30	79.1	125.4	195,900 *
32	78.1	125.0	181,300 *
34	77.1	124.5	168,400 *
36	76.1	124.0	154,000 *
38	75.1	123.5	140,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. Boom			
40	74.1	122.9	128,400 *
42	73.1	122.2	118,000 *
44	72.1	121.6	108,800 *
46	71.1	120.9	100,600 *
48	70.1	120.1	93,300 *
50	69.1	119.3	86,700 *
55	66.4	117.2	72,800 *
130 Ft. Boom			
24	82.6	136.7	240,300 *
26	81.7	136.4	231,400 *
28	80.8	136.0	212,500 *
30	79.9	135.7	196,000 *
32	79.0	135.2	181,400 *
34	78.1	134.8	168,400 *
36	77.2	134.3	154,500 *
38	76.3	133.8	140,700 *
40	75.4	133.3	128,800 *
42	74.4	132.7	118,400 *
44	73.5	132.1	109,200 *
46	72.6	131.4	101,000 *
48	71.7	130.8	93,700 *
50	70.7	130.1	87,100 *
55	68.4	128.1	73,200 *
60	66.0	125.9	62,100 *
140 Ft. Boom			
26	82.3	146.5	222,200 *
28	81.5	146.2	212,200 *
30	80.6	145.8	195,700 *
32	79.8	145.4	181,200 *
34	79.0	145.1	168,300 *
36	78.1	144.6	154,800 *
38	77.3	144.1	141,000 *
40	76.4	143.6	129,000 *
42	75.6	143.1	118,600 *
44	74.7	142.5	109,400 *
46	73.9	141.9	101,200 *
48	73.0	141.3	93,900 *
50	72.2	140.6	87,300 *
55	70.0	138.9	73,300 *
60	67.8	136.8	62,200 *
65	65.5	134.6	53,100 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

90 Ft. Luffing Jib Attached At 150 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. Boom			
26	82.8	156.6	198,300 *
28	82.0	156.3	193,300 *
30	81.3	156.0	188,400 *
32	80.5	155.6	180,700 *
34	79.7	155.2	167,700 *
36	78.9	154.8	155,000
38	78.2	154.4	141,200
40	77.4	153.9	129,200
42	76.6	153.4	118,700
44	75.8	152.9	109,500
46	75.0	152.4	101,200
48	74.2	151.8	93,900
50	73.4	151.2	87,300
55	71.4	149.5	73,300
60	69.3	147.6	62,100
65	67.3	145.6	53,000
70	65.2	143.3	45,300
160 Ft. Boom			
28	82.5	166.4	184,000 *
30	81.8	166.1	179,400 *
32	81.1	165.8	174,900 *
34	80.4	165.4	167,400 *
36	79.6	165.1	155,000
38	78.9	164.6	141,200
40	78.2	164.2	129,200
42	77.4	163.7	118,700
44	76.7	163.2	109,400
46	75.9	162.7	101,200
48	75.2	162.2	93,900
50	74.5	161.6	87,200
55	72.6	160.1	73,200
60	70.7	158.3	62,000
65	68.8	156.4	52,900
70	66.8	154.3	45,200
75	64.9	152.0	38,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
28	83.0	176.5	168,400 *
30	82.3	176.2	164,900 *
32	81.6	175.9	161,300 *
34	80.9	175.6	147,200
36	80.2	175.2	131,900
38	79.6	174.9	118,800
40	78.9	174.4	107,400
42	78.2	174.0	97,500
44	77.5	173.6	88,700
46	76.8	173.1	80,900
48	76.1	172.6	73,900
50	75.4	172.0	67,700
55	73.7	170.6	54,400
60	71.9	168.9	43,800
65	70.1	167.1	35,100
70	68.3	165.2	27,900
75	66.4	163.0	21,800
80	64.6	160.6	16,600
180 Ft. Boom			
30	82.7	186.3	155,400 *
32	82.1	186.0	152,100 *
34	81.4	185.7	147,100
36	80.8	185.4	131,800
38	80.2	185.0	118,600
40	79.5	184.6	107,300
42	78.8	184.2	97,300
44	78.2	183.8	88,500
46	77.6	183.4	80,700
48	76.9	182.9	73,700
50	76.2	182.4	67,400
55	74.6	181.0	54,200
60	72.9	179.5	43,600
65	71.2	177.8	34,900
70	69.5	175.9	27,600
75	67.8	173.9	21,500
80	66.1	171.7	16,300
85	64.3	169.3	11,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. Boom			
32	82.5	196.1	118,000 *
34	81.9	195.9	118,000 *
36	81.3	195.5	118,000 *
38	80.7	195.2	118,000 *
40	80.1	194.8	107,900
42	79.4	194.4	97,900
44	78.8	194.0	89,100
46	78.2	193.6	81,300
48	77.6	193.1	74,300
50	77.0	192.7	67,900
55	75.4	191.4	54,600
60	73.8	189.9	44,000
65	72.3	188.4	35,300
70	70.7	186.6	28,000
75	69.1	184.7	21,900
80	67.4	182.6	16,600
85	65.8	180.4	12,100

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code
Boom No. 22EL
Luffing Jib No. 135
179,100 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
28 Ft. 2 in. Crawlers Extended
360 Degree Rating

100 Ft. Luffing Jib Attached At 160 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. Boom			
16	82.8	77.2	393,000 *
17	82.0	77.1	369,200 *
18	81.1	76.9	347,900 *
19	80.3	76.7	328,500 *
20	79.5	76.5	310,900 *
22	77.8	76.0	280,200 *
24	76.1	75.5	254,200 *
26	74.4	74.9	232,000 *
28	72.7	74.2	212,700 *
30	70.9	73.5	195,800 *
32	69.2	72.7	180,900 *
34	67.4	71.8	165,900 *
36	65.6	70.9	149,900 *
38	63.7	69.8	136,200 *
40	61.8	68.7	124,300 *
42	60.0	67.5	113,900 *
44	58.0	66.2	104,700 *
80 Ft. Boom			
17	83.0	87.2	369,300 *
18	82.3	87.0	347,900 *
19	81.5	86.9	328,600 *
20	80.8	86.7	311,100 *
22	79.3	86.3	280,400 *
24	77.9	85.8	254,500 *
26	76.4	85.3	232,200 *
28	74.9	84.7	213,000 *
30	73.4	84.1	196,200 *
32	71.9	83.4	181,300 *
34	70.4	82.7	167,400 *
36	68.8	81.8	151,400 *
38	67.2	81.0	137,600 *
40	65.7	80.0	125,600 *
42	64.1	79.0	115,200 *
44	62.4	77.9	106,000 *
46	60.8	76.8	97,800 *
48	59.1	75.6	90,400 *
50	57.4	74.2	83,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. Boom			
19	82.5	97.0	328,800 *
20	81.8	96.8	311,300 *
22	80.5	96.5	280,700 *
24	79.2	96.1	254,700 *
26	77.9	95.6	232,600 *
28	76.6	95.1	213,300 *
30	75.3	94.6	196,500 *
32	74.0	93.9	181,700 *
34	72.6	93.3	168,500 *
36	71.3	92.6	152,600 *
38	69.9	91.8	138,800 *
40	68.6	91.0	126,800 *
42	67.2	90.1	116,300 *
44	65.8	89.2	107,000 *
46	64.3	88.2	98,800 *
48	62.9	87.2	91,400 *
50	61.4	86.0	84,800 *
55	57.7	82.9	70,800 *
100 Ft. Boom			
20	82.7	107.0	311,600 *
22	81.5	106.6	281,000 *
24	80.3	106.3	255,100 *
26	79.2	105.9	233,000 *
28	78.0	105.4	213,800 *
30	76.8	104.9	197,000 *
32	75.6	104.4	182,200 *
34	74.4	103.8	169,000 *
36	73.2	103.2	153,600 *
38	72.0	102.5	139,700 *
40	70.8	101.8	127,700 *
42	69.6	101.0	117,200 *
44	68.3	100.2	108,000 *
46	67.1	99.3	99,700 *
48	65.8	98.4	92,300 *
50	64.6	97.4	85,700 *
55	61.3	94.7	71,700 *
60	57.9	91.6	60,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. Boom			
22	82.3	116.8	280,900 *
24	81.2	116.4	255,000 *
26	80.2	116.1	232,900 *
28	79.1	115.7	213,700 *
30	78.0	115.2	196,900 *
32	77.0	114.7	182,100 *
34	75.9	114.2	169,000 *
36	74.8	113.6	154,300 *
38	73.7	113.0	140,400 *
40	72.6	112.4	128,400 *
42	71.5	111.7	117,800 *
44	70.4	110.9	108,500 *
46	69.3	110.2	100,200 *
48	68.2	109.3	92,800 *
50	67.0	108.5	86,200 *
55	64.1	106.1	72,100 *
60	61.2	103.3	60,800 *
65	58.1	100.3	51,600 *
120 Ft. Boom			
22	82.9	126.9	278,500 *
24	82.0	126.6	255,000 *
26	81.0	126.2	232,900 *
28	80.0	125.9	213,700 *
30	79.1	125.4	196,900 *
32	78.1	125.0	182,200 *
34	77.1	124.5	169,000 *
36	76.1	124.0	154,800 *
38	75.1	123.5	140,900 *
40	74.1	122.9	128,900 *
42	73.1	122.2	118,300 *
44	72.1	121.6	109,000 *
46	71.1	120.9	100,700 *
48	70.1	120.1	93,300 *
50	69.1	119.3	86,600 *
55	66.4	117.2	72,500 *
60	63.8	114.7	61,200 *
65	61.1	112.0	52,000 *
70	58.3	109.0	44,300 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

100 Ft. Luffing Jib Attached At 160 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. Boom			
24	82.6	136.7	245,400 *
26	81.7	136.4	233,000 *
28	80.8	136.0	213,800 *
30	79.9	135.7	197,100 *
32	79.0	135.2	182,300 *
34	78.1	134.8	169,200 *
36	77.2	134.3	155,400 *
38	76.3	133.8	141,500 *
40	75.4	133.3	129,400 *
42	74.4	132.7	118,800 *
44	73.5	132.1	109,500 *
46	72.6	131.4	101,200 *
48	71.7	130.8	93,800 *
50	70.7	130.1	87,100 *
55	68.4	128.1	73,000 *
60	66.0	125.9	61,700 *
65	63.5	123.4	52,400 *
70	61.0	120.7	44,700 *
75	58.4	117.6	38,200 *
140 Ft. Boom			
26	82.3	146.5	227,500 *
28	81.5	146.2	213,700 *
30	80.6	145.8	196,900 *
32	79.8	145.4	182,200 *
34	79.0	145.1	169,100 *
36	78.1	144.6	155,800 *
38	77.3	144.1	141,800 *
40	76.4	143.6	129,700 *
42	75.6	143.1	119,100 *
44	74.7	142.5	109,800 *
46	73.9	141.9	101,500 *
48	73.0	141.3	94,000 *
50	72.2	140.6	87,300 *
55	70.0	138.9	73,200 *
60	67.8	136.8	61,900 *
65	65.5	134.6	52,600 *
70	63.3	132.1	44,900 *
75	60.9	129.3	38,400 *
80	58.5	126.3	32,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. Boom			
26	82.8	156.6	203,500 *
28	82.0	156.3	198,300 *
30	81.3	156.0	193,100 *
32	80.5	155.6	181,700 *
34	79.7	155.2	168,600 *
36	78.9	154.8	156,100 *
38	78.2	154.4	142,000 *
40	77.4	153.9	129,900 *
42	76.6	153.4	119,300 *
44	75.8	152.9	109,900 *
46	75.0	152.4	101,600 *
48	74.2	151.8	94,100 *
50	73.4	151.2	87,400 *
55	71.4	149.5	73,200 *
60	69.3	147.6	61,900 *
65	67.3	145.6	52,600 *
70	65.2	143.3	44,900 *
75	63.0	140.7	38,300 *
80	60.9	138.0	32,700 *
85	58.6	135.0	27,800 *
160 Ft. Boom			
28	82.5	166.4	189,500 *
30	81.8	166.1	184,600 *
32	81.1	165.8	167,200 *
34	80.4	165.4	148,800 *
36	79.6	165.1	133,200 *
38	78.9	164.6	119,900 *
40	78.2	164.2	108,300 *
42	77.4	163.7	98,200 *
44	76.7	163.2	89,300 *
46	75.9	162.7	81,400 *
48	75.2	162.2	74,300 *
50	74.5	161.6	67,900 *
55	72.6	160.1	54,400 *
60	70.7	158.3	43,600 *
65	68.8	156.4	34,800 *
70	66.8	154.3	27,400 *
75	64.9	152.0	21,200 *
80	62.8	149.4	15,900 *
85	60.8	146.6	11,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
28	83.0	176.5	173,800 *
30	82.3	176.2	170,000 *
32	81.6	175.9	166,200 *
34	80.9	175.6	149,000 *
36	80.2	175.2	133,400 *
38	79.6	174.9	120,000 *
40	78.9	174.4	108,500 *
42	78.2	174.0	98,400 *
44	77.5	173.6	89,400 *
46	76.8	173.1	81,500 *
48	76.1	172.6	74,400 *
50	75.4	172.0	68,000 *
55	73.7	170.6	54,500 *
60	71.9	168.9	43,700 *
65	70.1	167.1	34,800 *
70	68.3	165.2	27,500 *
75	66.4	163.0	21,200 *
80	64.6	160.6	15,900 *
85	62.7	158.1	11,300 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

100 Ft. Luffing Jib Attached At 160 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. Boom			
30	82.7	186.3	160,900 *
32	82.1	186.0	157,300 *
34	81.4	185.7	148,900
36	80.8	185.4	133,300
38	80.2	185.0	120,000
40	79.5	184.6	108,400
42	78.8	184.2	98,200
44	78.2	183.8	89,300
46	77.6	183.4	81,300
48	76.9	182.9	74,200
50	76.2	182.4	67,800
55	74.6	181.0	54,300
60	72.9	179.5	43,500
65	71.2	177.8	34,600
70	69.5	175.9	27,200
75	67.8	173.9	21,000
80	66.1	171.7	15,600
85	64.3	169.3	11,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. Boom			
32	82.5	196.1	118,000 *
34	81.9	195.9	118,000 *
36	81.3	195.5	118,000 *
38	80.7	195.2	118,000 *
40	80.1	194.8	109,100
42	79.4	194.4	98,900
44	78.8	194.0	89,900
46	78.2	193.6	82,000
48	77.6	193.1	74,800
50	77.0	192.7	68,400
55	75.4	191.4	54,800
60	73.8	189.9	44,000
65	72.3	188.4	35,100
70	70.7	186.6	27,700
75	69.1	184.7	21,400
80	67.4	182.6	16,100
85	65.8	180.4	11,400

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
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888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

110 Ft. Luffing Jib Attached At 160 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. Boom			
16	82.8	77.2	390,100 *
17	82.0	77.1	366,400 *
18	81.1	76.9	345,100 *
19	80.3	76.7	325,800 *
20	79.5	76.5	308,300 *
22	77.8	76.0	277,700 *
24	76.1	75.5	251,800 *
26	74.4	74.9	229,600 *
28	72.7	74.2	210,400 *
30	70.9	73.5	193,600 *
32	69.2	72.7	178,700 *
34	67.4	71.8	163,500 *
36	65.6	70.9	147,600 *
38	63.7	69.8	134,000 *
40	61.8	68.7	122,200 *
42	60.0	67.5	111,900 *
44	58.0	66.2	102,800 *
80 Ft. Boom			
17	83.0	87.2	366,500 *
18	82.3	87.0	345,200 *
19	81.5	86.9	326,000 *
20	80.8	86.7	308,500 *
22	79.3	86.3	278,000 *
24	77.9	85.8	252,100 *
26	76.4	85.3	230,000 *
28	74.9	84.7	210,800 *
30	73.4	84.1	194,000 *
32	71.9	83.4	179,200 *
34	70.4	82.7	165,200 *
36	68.8	81.8	149,200 *
38	67.2	81.0	135,500 *
40	65.7	80.0	123,700 *
42	64.1	79.0	113,300 *
44	62.4	77.9	104,100 *
46	60.8	76.8	96,000 *
48	59.1	75.6	88,700 *
50	57.4	74.2	82,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. Boom			
19	82.5	97.0	326,300 *
20	81.8	96.8	308,800 *
22	80.5	96.5	278,300 *
24	79.2	96.1	252,500 *
26	77.9	95.6	230,400 *
28	76.6	95.1	211,200 *
30	75.3	94.6	194,500 *
32	74.0	93.9	179,700 *
34	72.6	93.3	166,600 *
36	71.3	92.6	150,600 *
38	69.9	91.8	136,800 *
40	68.6	91.0	124,900 *
42	67.2	90.1	114,500 *
44	65.8	89.2	105,300 *
46	64.3	88.2	97,100 *
48	62.9	87.2	89,800 *
50	61.4	86.0	83,200 *
55	57.7	82.9	69,300 *
100 Ft. Boom			
20	82.7	107.0	309,200 *
22	81.5	106.6	278,700 *
24	80.3	106.3	252,900 *
26	79.2	105.9	230,900 *
28	78.0	105.4	211,800 *
30	76.8	104.9	195,000 *
32	75.6	104.4	180,300 *
34	74.4	103.8	167,200 *
36	73.2	103.2	151,600 *
38	72.0	102.5	137,900 *
40	70.8	101.8	126,000 *
42	69.6	101.0	115,500 *
44	68.3	100.2	106,300 *
46	67.1	99.3	98,100 *
48	65.8	98.4	90,800 *
50	64.6	97.4	84,200 *
55	61.3	94.7	70,300 *
60	57.9	91.6	59,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. Boom			
22	82.3	116.8	278,600 *
24	81.2	116.4	252,900 *
26	80.2	116.1	230,800 *
28	79.1	115.7	211,700 *
30	78.0	115.2	195,000 *
32	77.0	114.7	180,300 *
34	75.9	114.2	167,200 *
36	74.8	113.6	152,400 *
38	73.7	113.0	138,600 *
40	72.6	112.4	126,600 *
42	71.5	111.7	116,200 *
44	70.4	110.9	106,900 *
46	69.3	110.2	98,700 *
48	68.2	109.3	91,400 *
50	67.0	108.5	84,700 *
55	64.1	106.1	70,800 *
60	61.2	103.3	59,600 *
65	58.1	100.3	50,400 *
120 Ft. Boom			
22	82.9	126.9	276,900 *
24	82.0	126.6	252,900 *
26	81.0	126.2	230,900 *
28	80.0	125.9	211,800 *
30	79.1	125.4	195,100 *
32	78.1	125.0	180,400 *
34	77.1	124.5	167,300 *
36	76.1	124.0	153,000 *
38	75.1	123.5	139,200 *
40	74.1	122.9	127,200 *
42	73.1	122.2	116,700 *
44	72.1	121.6	107,400 *
46	71.1	120.9	99,200 *
48	70.1	120.1	91,800 *
50	69.1	119.3	85,200 *
55	66.4	117.2	71,200 *
60	63.8	114.7	60,000 *
65	61.1	112.0	50,800 *
70	58.3	109.0	43,200 *

Liftcrane Boom Capacities With Luffing Jib Attached

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888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

110 Ft. Luffing Jib Attached At 160 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. Boom			
24	82.6	136.7	243,700 *
26	81.7	136.4	231,000 *
28	80.8	136.0	211,900 *
30	79.9	135.7	195,300 *
32	79.0	135.2	180,600 *
34	78.1	134.8	167,500 *
36	77.2	134.3	153,600
38	76.3	133.8	139,800
40	75.4	133.3	127,800
42	74.4	132.7	117,300
44	73.5	132.1	108,000
46	72.6	131.4	99,700
48	71.7	130.8	92,400
50	70.7	130.1	85,700
55	68.4	128.1	71,700
60	66.0	125.9	60,500
65	63.5	123.4	51,300
70	61.0	120.7	43,700
75	58.4	117.6	37,200
140 Ft. Boom			
26	82.3	146.5	225,700 *
28	81.5	146.2	211,800 *
30	80.6	145.8	195,200 *
32	79.8	145.4	180,500 *
34	79.0	145.1	167,400 *
36	78.1	144.6	154,000
38	77.3	144.1	140,100
40	76.4	143.6	128,100
42	75.6	143.1	117,600
44	74.7	142.5	108,300
46	73.9	141.9	100,100
48	73.0	141.3	92,700
50	72.2	140.6	86,000
55	70.0	138.9	72,000
60	67.8	136.8	60,800
65	65.5	134.6	51,600
70	63.3	132.1	43,900
75	60.9	129.3	37,400
80	58.5	126.3	31,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. Boom			
26	82.8	156.6	201,900 *
28	82.0	156.3	196,600 *
30	81.3	156.0	186,500
32	80.5	155.6	164,600
34	79.7	155.2	146,400
36	78.9	154.8	131,000
38	78.2	154.4	117,800
40	77.4	153.9	106,300
42	76.6	153.4	96,300
44	75.8	152.9	87,500
46	75.0	152.4	79,600
48	74.2	151.8	72,600
50	73.4	151.2	66,300
55	71.4	149.5	52,900
60	69.3	147.6	42,200
65	67.3	145.6	33,500
70	65.2	143.3	26,200
75	63.0	140.7	20,100
80	60.9	138.0	14,800
85	58.6	135.0	10,200
160 Ft. Boom			
28	82.5	166.4	187,700 *
30	81.8	166.1	182,900 *
32	81.1	165.8	164,800
34	80.4	165.4	146,500
36	79.6	165.1	131,100
38	78.9	164.6	117,900
40	78.2	164.2	106,400
42	77.4	163.7	96,400
44	76.7	163.2	87,500
46	75.9	162.7	79,600
48	75.2	162.2	72,600
50	74.5	161.6	66,300
55	72.6	160.1	52,900
60	70.7	158.3	42,200
65	68.8	156.4	33,400
70	66.8	154.3	26,100
75	64.9	152.0	20,000
80	62.8	149.4	14,700
85	60.8	146.6	10,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
28	83.0	176.5	172,200 *
30	82.3	176.2	168,400 *
32	81.6	175.9	164,500 *
34	80.9	175.6	146,800
36	80.2	175.2	131,300
38	79.6	174.9	118,100
40	78.9	174.4	106,600
42	78.2	174.0	96,500
44	77.5	173.6	87,700
46	76.8	173.1	79,800
48	76.1	172.6	72,700
50	75.4	172.0	66,400
55	73.7	170.6	53,000
60	71.9	168.9	42,300
65	70.1	167.1	33,500
70	68.3	165.2	26,200
75	66.4	163.0	20,000
80	64.6	160.6	14,700
85	62.7	158.1	10,100

Liftcrane Boom Capacities With Luffing Jib Attached

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888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

110 Ft. Luffing Jib Attached At 160 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. Boom			
30	82.7	186.3	159,200 *
32	82.1	186.0	155,700 *
34	81.4	185.7	146,800
36	80.8	185.4	131,300
38	80.2	185.0	118,000
40	79.5	184.6	106,500
42	78.8	184.2	96,500
44	78.2	183.8	87,600
46	77.6	183.4	79,700
48	76.9	182.9	72,600
50	76.2	182.4	66,300
55	74.6	181.0	52,900
60	72.9	179.5	42,100
65	71.2	177.8	33,300
70	69.5	175.9	26,000
75	67.8	173.9	19,800
80	66.1	171.7	14,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. Boom			
32	82.5	196.1	118,000 *
34	81.9	195.9	118,000 *
36	81.3	195.5	118,000 *
38	80.7	195.2	118,000 *
40	80.1	194.8	107,200
42	79.4	194.4	97,100
44	78.8	194.0	88,200
46	78.2	193.6	80,300
48	77.6	193.1	73,200
50	77.0	192.7	66,900
55	75.4	191.4	53,400
60	73.8	189.9	42,600
65	72.3	188.4	33,800
70	70.7	186.6	26,500
75	69.1	184.7	20,300
80	67.4	182.6	15,000
85	65.8	180.4	10,400

Liftcrane Boom Capacities With Luffing Jib Attached

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888 SERIES 2

New York City Code
Boom No. 22EL
Luffing Jib No. 135
179,100 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
28 Ft. 2 in. Crawlers Extended
360 Degree Rating

120 Ft. Luffing Jib Attached At 160 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. Boom			
16	82.8	77.2	385,700 *
17	82.0	77.1	362,100 *
18	81.1	76.9	340,800 *
19	80.3	76.7	321,600 *
20	79.5	76.5	304,200 *
22	77.8	76.0	273,700 *
24	76.1	75.5	247,900 *
26	74.4	74.9	225,800 *
28	72.7	74.2	206,600 *
30	70.9	73.5	189,900 *
32	69.2	72.7	175,100 *
34	67.4	71.8	159,900 *
36	65.6	70.9	144,100 *
38	63.7	69.8	130,600 *
40	61.8	68.7	118,900 *
42	60.0	67.5	108,600 *
44	58.0	66.2	99,600 *
80 Ft. Boom			
17	83.0	87.2	362,300 *
18	82.3	87.0	341,100 *
19	81.5	86.9	321,900 *
20	80.8	86.7	304,500 *
22	79.3	86.3	274,100 *
24	77.9	85.8	248,300 *
26	76.4	85.3	226,300 *
28	74.9	84.7	207,200 *
30	73.4	84.1	190,500 *
32	71.9	83.4	175,800 *
34	70.4	82.7	161,700 *
36	68.8	81.8	145,900 *
38	67.2	81.0	132,300 *
40	65.7	80.0	120,500 *
42	64.1	79.0	110,200 *
44	62.4	77.9	101,200 *
46	60.8	76.8	93,100 *
48	59.1	75.6	85,900 *
50	57.4	74.2	79,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. Boom			
19	82.5	97.0	322,300 *
20	81.8	96.8	304,900 *
22	80.5	96.5	274,500 *
24	79.2	96.1	248,800 *
26	77.9	95.6	226,800 *
28	76.6	95.1	207,800 *
30	75.3	94.6	191,100 *
32	74.0	93.9	176,400 *
34	72.6	93.3	163,200 *
36	71.3	92.6	147,300 *
38	69.9	91.8	133,700 *
40	68.6	91.0	121,900 *
42	67.2	90.1	111,600 *
44	65.8	89.2	102,400 *
46	64.3	88.2	94,300 *
48	62.9	87.2	87,100 *
50	61.4	86.0	80,500 *
55	57.7	82.9	66,800 *
100 Ft. Boom			
20	82.7	107.0	305,400 *
22	81.5	106.6	275,100 *
24	80.3	106.3	249,400 *
26	79.2	105.9	227,400 *
28	78.0	105.4	208,400 *
30	76.8	104.9	191,700 *
32	75.6	104.4	177,100 *
34	74.4	103.8	164,000 *
36	73.2	103.2	148,500 *
38	72.0	102.5	134,900 *
40	70.8	101.8	123,100 *
42	69.6	101.0	112,700 *
44	68.3	100.2	103,600 *
46	67.1	99.3	95,400 *
48	65.8	98.4	88,200 *
50	64.6	97.4	81,600 *
55	61.3	94.7	67,800 *
60	57.9	91.6	56,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. Boom			
22	82.3	116.8	275,000 *
24	81.2	116.4	249,400 *
26	80.2	116.1	227,400 *
28	79.1	115.7	208,400 *
30	78.0	115.2	191,800 *
32	77.0	114.7	177,100 *
34	75.9	114.2	164,100 *
36	74.8	113.6	149,400 *
38	73.7	113.0	135,700 *
40	72.6	112.4	123,800 *
42	71.5	111.7	113,400 *
44	70.4	110.9	104,300 *
46	69.3	110.2	96,100 *
48	68.2	109.3	88,800 *
50	67.0	108.5	82,200 *
55	64.1	106.1	68,400 *
60	61.2	103.3	57,300 *
65	58.1	100.3	48,200 *
120 Ft. Boom			
22	82.9	126.9	273,900 *
24	82.0	126.6	249,500 *
26	81.0	126.2	227,600 *
28	80.0	125.9	208,600 *
30	79.1	125.4	191,900 *
32	78.1	125.0	177,300 *
34	77.1	124.5	164,300 *
36	76.1	124.0	150,100 *
38	75.1	123.5	136,400 *
40	74.1	122.9	124,500 *
42	73.1	122.2	114,000 *
44	72.1	121.6	104,900 *
46	71.1	120.9	96,700 *
48	70.1	120.1	89,400 *
50	69.1	119.3	82,800 *
55	66.4	117.2	68,900 *
60	63.8	114.7	57,800 *
65	61.1	112.0	48,700 *
70	58.3	109.0	41,100 *

Liftcrane Boom Capacities With Luffing Jib Attached

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888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

120 Ft. Luffing Jib Attached At 160 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. Boom			
24	82.6	136.7	240,200 *
26	81.7	136.4	227,800 *
28	80.8	136.0	208,800 *
30	79.9	135.7	192,200 *
32	79.0	135.2	177,500 *
34	78.1	134.8	164,500 *
36	77.2	134.3	150,800
38	76.3	133.8	137,000
40	75.4	133.3	125,100
42	74.4	132.7	114,700
44	73.5	132.1	105,500
46	72.6	131.4	97,300
48	71.7	130.8	90,000
50	70.7	130.1	83,400
55	68.4	128.1	69,500
60	66.0	125.9	58,300
65	63.5	123.4	49,200
70	61.0	120.7	41,600
75	58.4	117.6	35,200
140 Ft. Boom			
26	82.3	146.5	222,100 *
28	81.5	146.2	208,300
30	80.6	145.8	182,000
32	79.8	145.4	160,400
34	79.0	145.1	142,400
36	78.1	144.6	127,200
38	77.3	144.1	114,100
40	76.4	143.6	102,800
42	75.6	143.1	92,900
44	74.7	142.5	84,200
46	73.9	141.9	76,500
48	73.0	141.3	69,500
50	72.2	140.6	63,300
55	70.0	138.9	50,100
60	67.8	136.8	39,600
65	65.5	134.6	30,900
70	63.3	132.1	23,800
75	60.9	129.3	17,700
80	58.5	126.3	12,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. Boom			
26	82.8	156.6	198,500 *
28	82.0	156.3	193,200 *
30	81.3	156.0	182,400
32	80.5	155.6	160,800
34	79.7	155.2	142,700
36	78.9	154.8	127,500
38	78.2	154.4	114,400
40	77.4	153.9	103,000
42	76.6	153.4	93,100
44	75.8	152.9	84,400
46	75.0	152.4	76,600
48	74.2	151.8	69,600
50	73.4	151.2	63,300
55	71.4	149.5	50,100
60	69.3	147.6	39,500
65	67.3	145.6	30,900
70	65.2	143.3	23,700
75	63.0	140.7	17,600
80	60.9	138.0	12,300
160 Ft. Boom			
28	82.5	166.4	184,300 *
30	81.8	166.1	179,400 *
32	81.1	165.8	161,000
34	80.4	165.4	142,900
36	79.6	165.1	127,600
38	78.9	164.6	114,500
40	78.2	164.2	103,100
42	77.4	163.7	93,200
44	76.7	163.2	84,400
46	75.9	162.7	76,600
48	75.2	162.2	69,700
50	74.5	161.6	63,400
55	72.6	160.1	50,100
60	70.7	158.3	39,500
65	68.8	156.4	30,900
70	66.8	154.3	23,700
75	64.9	152.0	17,500
80	62.8	149.4	12,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
28	83.0	176.5	168,900 *
30	82.3	176.2	165,100 *
32	81.6	175.9	161,300 *
34	80.9	175.6	143,200
36	80.2	175.2	127,900
38	79.6	174.9	114,700
40	78.9	174.4	103,400
42	78.2	174.0	93,400
44	77.5	173.6	84,600
46	76.8	173.1	76,800
48	76.1	172.6	69,900
50	75.4	172.0	63,600
55	73.7	170.6	50,300
60	71.9	168.9	39,700
65	70.1	167.1	31,000
70	68.3	165.2	23,800
75	66.4	163.0	17,700
80	64.6	160.6	12,400

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

120 Ft. Luffing Jib Attached At 160 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. Boom			
30	82.7	186.3	155,900 *
32	82.1	186.0	152,400 *
34	81.4	185.7	143,200
36	80.8	185.4	127,900
38	80.2	185.0	114,800
40	79.5	184.6	103,400
42	78.8	184.2	93,400
44	78.2	183.8	84,600
46	77.6	183.4	76,800
48	76.9	182.9	69,800
50	76.2	182.4	63,500
55	74.6	181.0	50,200
60	72.9	179.5	39,600
65	71.2	177.8	30,900
70	69.5	175.9	23,600
75	67.8	173.9	17,500
80	66.1	171.7	12,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. Boom			
32	82.5	196.1	118,000 *
34	81.9	195.9	118,000 *
36	81.3	195.5	118,000 *
38	80.7	195.2	115,500
40	80.1	194.8	104,100
42	79.4	194.4	94,100
44	78.8	194.0	85,300
46	78.2	193.6	77,400
48	77.6	193.1	70,400
50	77.0	192.7	64,100
55	75.4	191.4	50,800
60	73.8	189.9	40,100
65	72.3	188.4	31,400
70	70.7	186.6	24,100
75	69.1	184.7	18,000
80	67.4	182.6	12,700

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

130 Ft. Luffing Jib Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. Boom			
16	82.8	77.2	391,600 *
17	82.0	77.1	367,500 *
18	81.1	76.9	345,800 *
19	80.3	76.7	326,200 *
20	79.5	76.5	308,400 *
22	77.8	76.0	277,200 *
24	76.1	75.5	250,900 *
26	74.4	74.9	228,300 *
28	72.7	74.2	208,800 *
30	70.9	73.5	191,700 *
32	69.2	72.7	176,600 *
34	67.4	71.8	161,400 *
36	65.6	70.9	145,300 *
38	63.7	69.8	131,500 *
40	61.8	68.7	119,500 *
42	60.0	67.5	109,000 *
44	58.0	66.2	99,800 *
46	56.0	64.8	91,600 *
48	54.0	63.3	84,200 *
50	51.9	61.7	77,600 *
80 Ft. Boom			
17	83.0	87.2	367,900 *
18	82.3	87.0	346,300 *
19	81.5	86.9	326,700 *
20	80.8	86.7	308,900 *
22	79.3	86.3	277,900 *
24	77.9	85.8	251,600 *
26	76.4	85.3	229,100 *
28	74.9	84.7	209,600 *
30	73.4	84.1	192,600 *
32	71.9	83.4	177,500 *
34	70.4	82.7	163,600 *
36	68.8	81.8	147,400 *
38	67.2	81.0	133,500 *
40	65.7	80.0	121,500 *
42	64.1	79.0	111,000 *
44	62.4	77.9	101,700 *
46	60.8	76.8	93,400 *
48	59.1	75.6	86,100 *
50	57.4	74.2	79,400 *
55	52.9	70.6	65,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. Boom			
19	82.5	97.0	327,200 *
20	81.8	96.8	309,500 *
22	80.5	96.5	278,500 *
24	79.2	96.1	252,300 *
26	77.9	95.6	229,800 *
28	76.6	95.1	210,400 *
30	75.3	94.6	193,400 *
32	74.0	93.9	178,300 *
34	72.6	93.3	165,000 *
36	71.3	92.6	149,100 *
38	69.9	91.8	135,200 *
40	68.6	91.0	123,100 *
42	67.2	90.1	112,600 *
44	65.8	89.2	103,300 *
46	64.3	88.2	95,000 *
48	62.9	87.2	87,600 *
50	61.4	86.0	80,900 *
55	57.7	82.9	66,800 *
60	53.8	79.3	55,500 *
100 Ft. Boom			
20	82.7	107.0	310,100 *
22	81.5	106.6	279,100 *
24	80.3	106.3	253,000 *
26	79.2	105.9	230,600 *
28	78.0	105.4	211,200 *
30	76.8	104.9	194,200 *
32	75.6	104.4	179,200 *
34	74.4	103.8	165,900 *
36	73.2	103.2	150,500 *
38	72.0	102.5	136,600 *
40	70.8	101.8	124,500 *
42	69.6	101.0	113,900 *
44	68.3	100.2	104,600 *
46	67.1	99.3	96,300 *
48	65.8	98.4	88,900 *
50	64.6	97.4	82,200 *
55	61.3	94.7	68,100 *
60	57.9	91.6	56,700 *
65	54.4	88.1	47,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. Boom			
22	82.3	116.8	279,200 *
24	81.2	116.4	253,100 *
26	80.2	116.1	230,700 *
28	79.1	115.7	211,300 *
30	78.0	115.2	194,400 *
32	77.0	114.7	179,400 *
34	75.9	114.2	166,100 *
36	74.8	113.6	151,500 *
38	73.7	113.0	137,600 *
40	72.6	112.4	125,400 *
42	71.5	111.7	114,800 *
44	70.4	110.9	105,500 *
46	69.3	110.2	97,100 *
48	68.2	109.3	89,700 *
50	67.0	108.5	83,000 *
55	64.1	106.1	68,800 *
60	61.2	103.3	57,500 *
65	58.1	100.3	48,200 *
70	55.0	96.8	40,400 *
75	51.7	92.9	33,900 *
120 Ft. Boom			
22	82.9	126.9	279,400 *
24	82.0	126.6	253,300 *
26	81.0	126.2	230,900 *
28	80.0	125.9	211,600 *
30	79.1	125.4	194,600 *
32	78.1	125.0	179,700 *
34	77.1	124.5	166,400 *
36	76.1	124.0	152,400 *
38	75.1	123.5	138,300 *
40	74.1	122.9	126,200 *
42	73.1	122.2	115,600 *
44	72.1	121.6	106,200 *
46	71.1	120.9	97,800 *
48	70.1	120.1	90,400 *
50	69.1	119.3	83,700 *
55	66.4	117.2	69,500 *
60	63.8	114.7	58,100 *
65	61.1	112.0	48,800 *
70	58.3	109.0	41,100 *
75	55.4	105.6	34,500 *
80	52.4	101.8	28,800 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

130 Ft. Luffing Jib Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. Boom			
24	82.6	136.7	247,100 *
26	81.7	136.4	231,200 *
28	80.8	136.0	211,900 *
30	79.9	135.7	185,800
32	79.0	135.2	163,700
34	78.1	134.8	145,300
36	77.2	134.3	129,700
38	76.3	133.8	116,300
40	75.4	133.3	104,700
42	74.4	132.7	94,600
44	73.5	132.1	85,600
46	72.6	131.4	77,700
48	71.7	130.8	70,600
50	70.7	130.1	64,200
55	68.4	128.1	50,600
60	66.0	125.9	39,800
65	63.5	123.4	30,900
70	61.0	120.7	23,500
75	58.4	117.6	17,300
80	55.8	114.3	11,900
140 Ft. Boom			
26	82.3	146.5	229,400 *
28	81.5	146.2	211,900 *
30	80.6	145.8	186,500
32	79.8	145.4	164,300
34	79.0	145.1	145,900
36	78.1	144.6	130,300
38	77.3	144.1	116,900
40	76.4	143.6	105,300
42	75.6	143.1	95,100
44	74.7	142.5	86,200
46	73.9	141.9	78,200
48	73.0	141.3	71,100
50	72.2	140.6	64,700
55	70.0	138.9	51,100
60	67.8	136.8	40,300
65	65.5	134.6	31,400
70	63.3	132.1	24,000
75	60.9	129.3	17,700
80	58.5	126.3	12,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. Boom			
26	82.8	156.6	205,600 *
28	82.0	156.3	200,000 *
30	81.3	156.0	187,100
32	80.5	155.6	164,800
34	79.7	155.2	146,300
36	78.9	154.8	130,700
38	78.2	154.4	117,200
40	77.4	153.9	105,600
42	76.6	153.4	95,400
44	75.8	152.9	86,400
46	75.0	152.4	78,400
48	74.2	151.8	71,300
50	73.4	151.2	64,800
55	71.4	149.5	51,200
60	69.3	147.6	40,300
65	67.3	145.6	31,400
70	65.2	143.3	24,000
75	63.0	140.7	17,700
80	60.9	138.0	12,300
160 Ft. Boom			
28	82.5	166.4	191,600 *
30	81.8	166.1	186,400 *
32	81.1	165.8	165,100
34	80.4	165.4	146,600
36	79.6	165.1	130,900
38	78.9	164.6	117,400
40	78.2	164.2	105,800
42	77.4	163.7	95,600
44	76.7	163.2	86,600
46	75.9	162.7	78,600
48	75.2	162.2	71,400
50	74.5	161.6	65,000
55	72.6	160.1	51,300
60	70.7	158.3	40,400
65	68.8	156.4	31,500
70	66.8	154.3	24,100
75	64.9	152.0	17,800
80	62.8	149.4	12,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
28	83.0	176.5	176,100 *
30	82.3	176.2	172,000 *
32	81.6	175.9	165,500
34	80.9	175.6	147,000
36	80.2	175.2	131,200
38	79.6	174.9	117,800
40	78.9	174.4	106,100
42	78.2	174.0	95,900
44	77.5	173.6	86,900
46	76.8	173.1	78,800
48	76.1	172.6	71,700
50	75.4	172.0	65,200
55	73.7	170.6	51,600
60	71.9	168.9	40,700
65	70.1	167.1	31,700
70	68.3	165.2	24,300
75	66.4	163.0	18,000
80	64.6	160.6	12,600

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

130 Ft. Luffing Jib Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. Boom			
30	82.7	186.3	163,200 *
32	82.1	186.0	159,400 *
34	81.4	185.7	147,100
36	80.8	185.4	131,300
38	80.2	185.0	117,800
40	79.5	184.6	106,100
42	78.8	184.2	95,900
44	78.2	183.8	86,900
46	77.6	183.4	78,800
48	76.9	182.9	71,700
50	76.2	182.4	65,200
55	74.6	181.0	51,500
60	72.9	179.5	40,600
65	71.2	177.8	31,700
70	69.5	175.9	24,200
75	67.8	173.9	17,900
80	66.1	171.7	12,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. Boom			
32	82.5	196.1	118,000 *
34	81.9	195.9	118,000 *
36	81.3	195.5	118,000 *
38	80.7	195.2	118,000 *
40	80.1	194.8	107,000
42	79.4	194.4	96,700
44	78.8	194.0	87,600
46	78.2	193.6	79,600
48	77.6	193.1	72,400
50	77.0	192.7	65,900
55	75.4	191.4	52,200
60	73.8	189.9	41,200
65	72.3	188.4	32,300
70	70.7	186.6	24,800
75	69.1	184.7	18,500
80	67.4	182.6	13,000

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

140 Ft. Luffing Jib Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. Boom			
16	82.8	77.2	387,900 *
17	82.0	77.1	363,800 *
18	81.1	76.9	342,200 *
19	80.3	76.7	322,600 *
20	79.5	76.5	304,800 *
22	77.8	76.0	273,700 *
24	76.1	75.5	247,400 *
26	74.4	74.9	224,900 *
28	72.7	74.2	205,300 *
30	70.9	73.5	188,300 *
32	69.2	72.7	173,200 *
34	67.4	71.8	157,900 *
36	65.6	70.9	141,900 *
38	63.7	69.8	128,200 *
40	61.8	68.7	116,300 *
42	60.0	67.5	105,900 *
44	58.0	66.2	96,700 *
46	56.0	64.8	88,500 *
48	54.0	63.3	81,200 *
50	51.9	61.7	74,600 *
80 Ft. Boom			
17	83.0	87.2	364,400 *
18	82.3	87.0	342,800 *
19	81.5	86.9	323,300 *
20	80.8	86.7	305,600 *
22	79.3	86.3	274,500 *
24	77.9	85.8	248,300 *
26	76.4	85.3	225,800 *
28	74.9	84.7	206,400 *
30	73.4	84.1	189,400 *
32	71.9	83.4	174,300 *
34	70.4	82.7	160,400 *
36	68.8	81.8	144,300 *
38	67.2	81.0	130,500 *
40	65.7	80.0	118,500 *
42	64.1	79.0	108,100 *
44	62.4	77.9	98,800 *
46	60.8	76.8	90,600 *
48	59.1	75.6	83,300 *
50	57.4	74.2	76,700 *
55	52.9	70.6	62,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. Boom			
19	82.5	97.0	323,900 *
20	81.8	96.8	306,200 *
22	80.5	96.5	275,300 *
24	79.2	96.1	249,100 *
26	77.9	95.6	226,700 *
28	76.6	95.1	207,300 *
30	75.3	94.6	190,300 *
32	74.0	93.9	175,300 *
34	72.6	93.3	162,000 *
36	71.3	92.6	146,200 *
38	69.9	91.8	132,300 *
40	68.6	91.0	120,300 *
42	67.2	90.1	109,800 *
44	65.8	89.2	100,600 *
46	64.3	88.2	92,300 *
48	62.9	87.2	84,900 *
50	61.4	86.0	78,300 *
55	57.7	82.9	64,300 *
60	53.8	79.3	53,000 *
100 Ft. Boom			
20	82.7	107.0	306,900 *
22	81.5	106.6	276,000 *
24	80.3	106.3	249,900 *
26	79.2	105.9	227,600 *
28	78.0	105.4	208,200 *
30	76.8	104.9	191,200 *
32	75.6	104.4	176,300 *
34	74.4	103.8	163,000 *
36	73.2	103.2	147,700 *
38	72.0	102.5	133,800 *
40	70.8	101.8	121,800 *
42	69.6	101.0	111,300 *
44	68.3	100.2	102,000 *
46	67.1	99.3	93,800 *
48	65.8	98.4	86,400 *
50	64.6	97.4	79,700 *
55	61.3	94.7	65,700 *
60	57.9	91.6	54,400 *
65	54.4	88.1	45,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. Boom			
22	82.3	116.8	276,200 *
24	81.2	116.4	250,100 *
26	80.2	116.1	227,800 *
28	79.1	115.7	208,400 *
30	78.0	115.2	191,500 *
32	77.0	114.7	176,600 *
34	75.9	114.2	163,300 *
36	74.8	113.6	148,800 *
38	73.7	113.0	134,900 *
40	72.6	112.4	122,900 *
42	71.5	111.7	112,300 *
44	70.4	110.9	103,000 *
46	69.3	110.2	94,700 *
48	68.2	109.3	87,300 *
50	67.0	108.5	80,600 *
55	64.1	106.1	66,500 *
60	61.2	103.3	55,200 *
65	58.1	100.3	46,000 *
70	55.0	96.8	38,300 *
75	51.7	92.9	31,800 *
120 Ft. Boom			
22	82.9	126.9	276,400 *
24	82.0	126.6	250,400 *
26	81.0	126.2	228,100 *
28	80.0	125.9	208,000 *
30	79.1	125.4	181,200 *
32	78.1	125.0	159,200 *
34	77.1	124.5	140,900 *
36	76.1	124.0	125,400 *
38	75.1	123.5	112,200 *
40	74.1	122.9	100,700 *
42	73.1	122.2	90,600 *
44	72.1	121.6	81,700 *
46	71.1	120.9	73,800 *
48	70.1	120.1	66,800 *
50	69.1	119.3	60,400 *
55	66.4	117.2	47,000 *
60	63.8	114.7	36,200 *
65	61.1	112.0	27,400 *
70	58.3	109.0	20,100 *
75	55.4	105.6	13,900 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

140 Ft. Luffing Jib Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. Boom			
24	82.6	136.7	244,100 *
26	81.7	136.4	228,400 *
28	80.8	136.0	209,100 *
30	79.9	135.7	182,300
32	79.0	135.2	160,300
34	78.1	134.8	142,000
36	77.2	134.3	126,400
38	76.3	133.8	113,200
40	75.4	133.3	101,600
42	74.4	132.7	91,600
44	73.5	132.1	82,700
46	72.6	131.4	74,800
48	71.7	130.8	67,700
50	70.7	130.1	61,300
55	68.4	128.1	47,900
60	66.0	125.9	37,100
65	63.5	123.4	28,300
70	61.0	120.7	21,000
75	58.4	117.6	14,700
140 Ft. Boom			
26	82.3	146.5	226,400 *
28	81.5	146.2	209,200 *
30	80.6	145.8	183,000
32	79.8	145.4	161,000
34	79.0	145.1	142,600
36	78.1	144.6	127,100
38	77.3	144.1	113,800
40	76.4	143.6	102,300
42	75.6	143.1	92,200
44	74.7	142.5	83,300
46	73.9	141.9	75,400
48	73.0	141.3	68,300
50	72.2	140.6	61,900
55	70.0	138.9	48,400
60	67.8	136.8	37,600
65	65.5	134.6	28,800
70	63.3	132.1	21,500
75	60.9	129.3	15,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. Boom			
26	82.8	156.6	202,800 *
28	82.0	156.3	197,200 *
30	81.3	156.0	183,700
32	80.5	155.6	161,600
34	79.7	155.2	143,200
36	78.9	154.8	127,600
38	78.2	154.4	114,200
40	77.4	153.9	102,600
42	76.6	153.4	92,500
44	75.8	152.9	83,600
46	75.0	152.4	75,600
48	74.2	151.8	68,500
50	73.4	151.2	62,100
55	71.4	149.5	48,600
60	69.3	147.6	37,800
65	67.3	145.6	29,000
70	65.2	143.3	21,600
75	63.0	140.7	15,300
80	60.9	138.0	10,000
160 Ft. Boom			
28	82.5	166.4	188,700 *
30	81.8	166.1	183,600 *
32	81.1	165.8	161,900
34	80.4	165.4	143,500
36	79.6	165.1	127,900
38	78.9	164.6	114,500
40	78.2	164.2	102,900
42	77.4	163.7	92,800
44	76.7	163.2	83,800
46	75.9	162.7	75,900
48	75.2	162.2	68,700
50	74.5	161.6	62,300
55	72.6	160.1	48,800
60	70.7	158.3	38,000
65	68.8	156.4	29,100
70	66.8	154.3	21,700
75	64.9	152.0	15,500
80	62.8	149.4	10,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
28	83.0	176.5	173,400 *
30	82.3	176.2	169,200 *
32	81.6	175.9	162,400
34	80.9	175.6	143,900
36	80.2	175.2	128,300
38	79.6	174.9	114,900
40	78.9	174.4	103,300
42	78.2	174.0	93,100
44	77.5	173.6	84,200
46	76.8	173.1	76,200
48	76.1	172.6	69,100
50	75.4	172.0	62,600
55	73.7	170.6	49,100
60	71.9	168.9	38,300
65	70.1	167.1	29,400
70	68.3	165.2	22,000
75	66.4	163.0	15,700
80	64.6	160.6	10,400

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

140 Ft. Luffing Jib Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. Boom			
30	82.7	186.3	160,500 *
32	82.1	186.0	156,600 *
34	81.4	185.7	144,100
36	80.8	185.4	128,400
38	80.2	185.0	115,000
40	79.5	184.6	103,400
42	78.8	184.2	93,200
44	78.2	183.8	84,200
46	77.6	183.4	76,300
48	76.9	182.9	69,100
50	76.2	182.4	62,700
55	74.6	181.0	49,100
60	72.9	179.5	38,300
65	71.2	177.8	29,400
70	69.5	175.9	22,000
75	67.8	173.9	15,700
80	66.1	171.7	10,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. Boom			
32	82.5	196.1	118,000 *
34	81.9	195.9	118,000 *
36	81.3	195.5	118,000 *
38	80.7	195.2	115,900
40	80.1	194.8	104,200
42	79.4	194.4	94,000
44	78.8	194.0	85,000
46	78.2	193.6	77,000
48	77.6	193.1	69,900
50	77.0	192.7	63,400
55	75.4	191.4	49,800
60	73.8	189.9	38,900
65	72.3	188.4	30,000
70	70.7	186.6	22,600
75	69.1	184.7	16,300
80	67.4	182.6	10,900

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

150 Ft. Luffing Jib Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. Boom			
16	82.8	77.2	385,200 *
17	82.0	77.1	361,200 *
18	81.1	76.9	339,600 *
19	80.3	76.7	320,000 *
20	79.5	76.5	302,300 *
22	77.8	76.0	271,200 *
24	76.1	75.5	245,000 *
26	74.4	74.9	222,500 *
28	72.7	74.2	203,000 *
30	70.9	73.5	185,900 *
32	69.2	72.7	170,900 *
34	67.4	71.8	155,400 *
36	65.6	70.9	139,500 *
38	63.7	69.8	125,900 *
40	61.8	68.7	114,000 *
42	60.0	67.5	103,700 *
44	58.0	66.2	94,500 *
46	56.0	64.8	86,400 *
48	54.0	63.3	79,100 *
50	51.9	61.7	72,600 *
80 Ft. Boom			
17	83.0	87.2	361,900 *
18	82.3	87.0	340,300 *
19	81.5	86.9	320,800 *
20	80.8	86.7	303,100 *
22	79.3	86.3	272,200 *
24	77.9	85.8	246,000 *
26	76.4	85.3	223,600 *
28	74.9	84.7	204,200 *
30	73.4	84.1	187,200 *
32	71.9	83.4	172,200 *
34	70.4	82.7	158,000 *
36	68.8	81.8	142,000 *
38	67.2	81.0	128,300 *
40	65.7	80.0	116,400 *
42	64.1	79.0	106,000 *
44	62.4	77.9	96,800 *
46	60.8	76.8	88,700 *
48	59.1	75.6	81,400 *
50	57.4	74.2	74,800 *
55	52.9	70.6	60,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. Boom			
19	82.5	97.0	321,600 *
20	81.8	96.8	303,900 *
22	80.5	96.5	273,000 *
24	79.2	96.1	246,900 *
26	77.9	95.6	224,500 *
28	76.6	95.1	205,200 *
30	75.3	94.6	188,200 *
32	74.0	93.9	173,300 *
34	72.6	93.3	160,000 *
36	71.3	92.6	144,100 *
38	69.9	91.8	130,300 *
40	68.6	91.0	118,400 *
42	67.2	90.1	107,900 *
44	65.8	89.2	98,700 *
46	64.3	88.2	90,500 *
48	62.9	87.2	83,200 *
50	61.4	86.0	76,500 *
55	57.7	82.9	62,600 *
60	53.8	79.3	51,400 *
100 Ft. Boom			
20	82.7	107.0	304,700 *
22	81.5	106.6	273,900 *
24	80.3	106.3	247,800 *
26	79.2	105.9	225,500 *
28	78.0	105.4	206,200 *
30	76.8	104.9	189,300 *
32	75.6	104.4	174,300 *
34	74.4	103.8	161,100 *
36	73.2	103.2	145,700 *
38	72.0	102.5	131,900 *
40	70.8	101.8	120,000 *
42	69.6	101.0	109,500 *
44	68.3	100.2	100,200 *
46	67.1	99.3	92,000 *
48	65.8	98.4	84,700 *
50	64.6	97.4	78,100 *
55	61.3	94.7	64,100 *
60	57.9	91.6	52,900 *
65	54.4	88.1	43,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. Boom			
22	82.3	116.8	274,100 *
24	81.2	116.4	248,100 *
26	80.2	116.1	225,800 *
28	79.1	115.7	203,900 *
30	78.0	115.2	177,200 *
32	77.0	114.7	155,500 *
34	75.9	114.2	137,300 *
36	74.8	113.6	122,000 *
38	73.7	113.0	108,800 *
40	72.6	112.4	97,400 *
42	71.5	111.7	87,400 *
44	70.4	110.9	78,600 *
46	69.3	110.2	70,800 *
48	68.2	109.3	63,800 *
50	67.0	108.5	57,500 *
55	64.1	106.1	44,200 *
60	61.2	103.3	33,500 *
65	58.1	100.3	24,800 *
70	55.0	96.8	17,500 *
75	51.7	92.9	11,300 *
120 Ft. Boom			
22	82.9	126.9	274,400 *
24	82.0	126.6	248,400 *
26	81.0	126.2	226,200 *
28	80.0	125.9	205,200 *
30	79.1	125.4	178,500 *
32	78.1	125.0	156,700 *
34	77.1	124.5	138,500 *
36	76.1	124.0	123,100 *
38	75.1	123.5	109,900 *
40	74.1	122.9	98,500 *
42	73.1	122.2	88,500 *
44	72.1	121.6	79,700 *
46	71.1	120.9	71,800 *
48	70.1	120.1	64,800 *
50	69.1	119.3	58,500 *
55	66.4	117.2	45,100 *
60	63.8	114.7	34,500 *
65	61.1	112.0	25,700 *
70	58.3	109.0	18,400 *
75	55.4	105.6	12,300 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code
Boom No. 22EL
Luffing Jib No. 135
179,100 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
28 Ft. 2 in. Crawlers Extended
360 Degree Rating

150 Ft. Luffing Jib Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. Boom			
24	82.6	136.7	242,200 *
26	81.7	136.4	226,600 *
28	80.8	136.0	206,400
30	79.9	135.7	179,700
32	79.0	135.2	157,800
34	78.1	134.8	139,600
36	77.2	134.3	124,200
38	76.3	133.8	111,000
40	75.4	133.3	99,500
42	74.4	132.7	89,500
44	73.5	132.1	80,700
46	72.6	131.4	72,800
48	71.7	130.8	65,800
50	70.7	130.1	59,500
55	68.4	128.1	46,100
60	66.0	125.9	35,400
65	63.5	123.4	26,700
70	61.0	120.7	19,400
75	58.4	117.6	13,200
140 Ft. Boom			
26	82.3	146.5	224,400 *
28	81.5	146.2	207,200
30	80.6	145.8	180,500
32	79.8	145.4	158,600
34	79.0	145.1	140,400
36	78.1	144.6	124,900
38	77.3	144.1	111,700
40	76.4	143.6	100,200
42	75.6	143.1	90,200
44	74.7	142.5	81,300
46	73.9	141.9	73,500
48	73.0	141.3	66,400
50	72.2	140.6	60,100
55	70.0	138.9	46,700
60	67.8	136.8	36,000
65	65.5	134.6	27,200
70	63.3	132.1	19,900
75	60.9	129.3	13,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. Boom			
26	82.8	156.6	201,000 *
28	82.0	156.3	195,400 *
30	81.3	156.0	181,200
32	80.5	155.6	159,200
34	79.7	155.2	140,900
36	78.9	154.8	125,500
38	78.2	154.4	112,200
40	77.4	153.9	100,700
42	76.6	153.4	90,600
44	75.8	152.9	81,700
46	75.0	152.4	73,800
48	74.2	151.8	66,800
50	73.4	151.2	60,400
55	71.4	149.5	47,000
60	69.3	147.6	36,200
65	67.3	145.6	27,400
70	65.2	143.3	20,100
75	63.0	140.7	13,900
160 Ft. Boom			
28	82.5	166.4	186,900 *
30	81.8	166.1	181,700 *
32	81.1	165.8	159,700
34	80.4	165.4	141,300
36	79.6	165.1	125,800
38	78.9	164.6	112,500
40	78.2	164.2	101,000
42	77.4	163.7	90,900
44	76.7	163.2	82,000
46	75.9	162.7	74,100
48	75.2	162.2	67,000
50	74.5	161.6	60,700
55	72.6	160.1	47,200
60	70.7	158.3	36,400
65	68.8	156.4	27,600
70	66.8	154.3	20,300
75	64.9	152.0	14,100
170 Ft. Boom			
28	83.0	176.5	171,600 *
30	82.3	176.2	167,500 *
32	81.6	175.9	160,200
34	80.9	175.6	141,800
36	80.2	175.2	126,300
38	79.6	174.9	112,900
40	78.9	174.4	101,400
42	78.2	174.0	91,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
44	77.5	173.6	82,400
46	76.8	173.1	74,500
48	76.1	172.6	67,400
50	75.4	172.0	61,000
55	73.7	170.6	47,500
60	71.9	168.9	36,800
65	70.1	167.1	27,900
70	68.3	165.2	20,600
75	66.4	163.0	14,400
180 Ft. Boom			
30	82.7	186.3	158,700 *
32	82.1	186.0	154,900 *
34	81.4	185.7	142,000
36	80.8	185.4	126,400
38	80.2	185.0	113,100
40	79.5	184.6	101,600
42	78.8	184.2	91,400
44	78.2	183.8	82,500
46	77.6	183.4	74,600
48	76.9	182.9	67,500
50	76.2	182.4	61,100
55	74.6	181.0	47,600
60	72.9	179.5	36,800
65	71.2	177.8	28,000
70	69.5	175.9	20,600
75	67.8	173.9	14,400
190 Ft. Boom			
32	82.5	196.1	118,000 *
34	81.9	195.9	118,000 *
36	81.3	195.5	118,000 *
38	80.7	195.2	114,000
40	80.1	194.8	102,500
42	79.4	194.4	92,300
44	78.8	194.0	83,400
46	78.2	193.6	75,400
48	77.6	193.1	68,300
50	77.0	192.7	61,900
55	75.4	191.4	48,300
60	73.8	189.9	37,500
65	72.3	188.4	28,700
70	70.7	186.6	21,300
75	69.1	184.7	15,000

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

160 Ft. Luffing Jib Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. Boom			
16	82.8	77.2	381,400 *
17	82.0	77.1	357,400 *
18	81.1	76.9	335,800 *
19	80.3	76.7	316,300 *
20	79.5	76.5	298,500 *
22	77.8	76.0	267,500 *
24	76.1	75.5	241,300 *
26	74.4	74.9	218,800 *
28	72.7	74.2	199,400 *
30	70.9	73.5	182,300 *
32	69.2	72.7	167,300 *
34	67.4	71.8	151,800 *
36	65.6	70.9	136,000 *
38	63.7	69.8	122,400 *
40	61.8	68.7	110,700 *
42	60.0	67.5	100,400 *
44	58.0	66.2	91,300 *
46	56.0	64.8	83,200 *
48	54.0	63.3	76,000 *
50	51.9	61.7	69,500 *
80 Ft. Boom			
17	83.0	87.2	358,200 *
18	82.3	87.0	336,700 *
19	81.5	86.9	317,200 *
20	80.8	86.7	299,600 *
22	79.3	86.3	268,700 *
24	77.9	85.8	242,500 *
26	76.4	85.3	220,100 *
28	74.9	84.7	200,700 *
30	73.4	84.1	183,800 *
32	71.9	83.4	168,800 *
34	70.4	82.7	154,700 *
36	68.8	81.8	138,700 *
38	67.2	81.0	125,100 *
40	65.7	80.0	113,300 *
42	64.1	79.0	102,900 *
44	62.4	77.9	93,800 *
46	60.8	76.8	85,700 *
48	59.1	75.6	78,400 *
50	57.4	74.2	71,900 *
55	52.9	70.6	58,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. Boom			
19	82.5	97.0	318,100 *
20	81.8	96.8	300,500 *
22	80.5	96.5	269,700 *
24	79.2	96.1	243,600 *
26	77.9	95.6	221,300 *
28	76.6	95.1	201,900 *
30	75.3	94.6	185,000 *
32	74.0	93.9	170,100 *
34	72.6	93.3	156,800 *
36	71.3	92.6	141,000 *
38	69.9	91.8	127,300 *
40	68.6	91.0	115,400 *
42	67.2	90.1	105,000 *
44	65.8	89.2	95,800 *
46	64.3	88.2	87,700 *
48	62.9	87.2	80,400 *
50	61.4	86.0	73,800 *
55	57.7	82.9	60,000 *
60	53.8	79.3	48,900 *
100 Ft. Boom			
20	82.7	107.0	301,400 *
22	81.5	106.6	270,600 *
24	80.3	106.3	244,600 *
26	79.2	105.9	222,300 *
28	78.0	105.4	197,900 *
30	76.8	104.9	171,500 *
32	75.6	104.4	150,000 *
34	74.4	103.8	132,000 *
36	73.2	103.2	116,800 *
38	72.0	102.5	103,800 *
40	70.8	101.8	92,500 *
42	69.6	101.0	82,600 *
44	68.3	100.2	73,900 *
46	67.1	99.3	66,200 *
48	65.8	98.4	59,200 *
50	64.6	97.4	53,000 *
55	61.3	94.7	39,800 *
60	57.9	91.6	29,300 *
65	54.4	88.1	20,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. Boom			
22	82.3	116.8	270,900 *
24	81.2	116.4	245,000 *
26	80.2	116.1	222,700 *
28	79.1	115.7	199,700 *
30	78.0	115.2	173,200 *
32	77.0	114.7	151,600 *
34	75.9	114.2	133,600 *
36	74.8	113.6	118,300 *
38	73.7	113.0	105,300 *
40	72.6	112.4	93,900 *
42	71.5	111.7	84,000 *
44	70.4	110.9	75,300 *
46	69.3	110.2	67,500 *
48	68.2	109.3	60,500 *
50	67.0	108.5	54,300 *
55	64.1	106.1	41,000 *
60	61.2	103.3	30,500 *
65	58.1	100.3	21,800 *
70	55.0	96.8	14,600 *
120 Ft. Boom			
22	82.9	126.9	271,300 *
24	82.0	126.6	245,400 *
26	81.0	126.2	223,200 *
28	80.0	125.9	201,100 *
30	79.1	125.4	174,600 *
32	78.1	125.0	152,900 *
34	77.1	124.5	134,900 *
36	76.1	124.0	119,600 *
38	75.1	123.5	106,500 *
40	74.1	122.9	95,100 *
42	73.1	122.2	85,200 *
44	72.1	121.6	76,400 *
46	71.1	120.9	68,600 *
48	70.1	120.1	61,700 *
50	69.1	119.3	55,400 *
55	66.4	117.2	42,100 *
60	63.8	114.7	31,500 *
65	61.1	112.0	22,900 *
70	58.3	109.0	15,600 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

160 Ft. Luffing Jib Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. Boom			
24	82.6	136.7	239,100 *
26	81.7	136.4	223,700 *
28	80.8	136.0	202,500
30	79.9	135.7	175,900
32	79.0	135.2	154,200
34	78.1	134.8	136,100
36	77.2	134.3	120,800
38	76.3	133.8	107,700
40	75.4	133.3	96,300
42	74.4	132.7	86,300
44	73.5	132.1	77,600
46	72.6	131.4	69,700
48	71.7	130.8	62,800
50	70.7	130.1	56,500
55	68.4	128.1	43,200
60	66.0	125.9	32,600
65	63.5	123.4	23,900
70	61.0	120.7	16,700
75	58.4	117.6	10,500
140 Ft. Boom			
26	82.3	146.5	221,300 *
28	81.5	146.2	203,400
30	80.6	145.8	176,800
32	79.8	145.4	155,100
34	79.0	145.1	136,900
36	78.1	144.6	121,600
38	77.3	144.1	108,500
40	76.4	143.6	97,100
42	75.6	143.1	87,100
44	74.7	142.5	78,300
46	73.9	141.9	70,500
48	73.0	141.3	63,500
50	72.2	140.6	57,200
55	70.0	138.9	43,900
60	67.8	136.8	33,300
65	65.5	134.6	24,600
70	63.3	132.1	17,300
75	60.9	129.3	11,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. Boom			
26	82.8	156.6	198,000 *
28	82.0	156.3	192,400 *
30	81.3	156.0	177,600
32	80.5	155.6	155,800
34	79.7	155.2	137,600
36	78.9	154.8	122,200
38	78.2	154.4	109,000
40	77.4	153.9	97,600
42	76.6	153.4	87,600
44	75.8	152.9	78,800
46	75.0	152.4	70,900
48	74.2	151.8	63,900
50	73.4	151.2	57,600
55	71.4	149.5	44,200
60	69.3	147.6	33,600
65	67.3	145.6	24,800
70	65.2	143.3	17,600
75	63.0	140.7	11,400
160 Ft. Boom			
28	82.5	166.4	183,900 *
30	81.8	166.1	178,200
32	81.1	165.8	156,300
34	80.4	165.4	138,100
36	79.6	165.1	122,700
38	78.9	164.6	109,400
40	78.2	164.2	98,000
42	77.4	163.7	88,000
44	76.7	163.2	79,100
46	75.9	162.7	71,300
48	75.2	162.2	64,200
50	74.5	161.6	57,900
55	72.6	160.1	44,500
60	70.7	158.3	33,900
65	68.8	156.4	25,100
70	66.8	154.3	17,800
75	64.9	152.0	11,600
170 Ft. Boom			
28	83.0	176.5	168,800 *
30	82.3	176.2	164,600 *
32	81.6	175.9	156,800
34	80.9	175.6	138,600
36	80.2	175.2	123,200
38	79.6	174.9	109,900
40	78.9	174.4	98,500
42	78.2	174.0	88,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
44	77.5	173.6	79,600
46	76.8	173.1	71,700
48	76.1	172.6	64,700
50	75.4	172.0	58,300
55	73.7	170.6	44,900
60	71.9	168.9	34,200
65	70.1	167.1	25,500
70	68.3	165.2	18,200
75	66.4	163.0	12,000
180 Ft. Boom			
30	82.7	186.3	155,800 *
32	82.1	186.0	152,000 *
34	81.4	185.7	138,900
36	80.8	185.4	123,400
38	80.2	185.0	110,200
40	79.5	184.6	98,700
42	78.8	184.2	88,600
44	78.2	183.8	79,700
46	77.6	183.4	71,900
48	76.9	182.9	64,800
50	76.2	182.4	58,500
55	74.6	181.0	45,100
60	72.9	179.5	34,300
65	71.2	177.8	25,600
70	69.5	175.9	18,200
75	67.8	173.9	12,100
190 Ft. Boom			
32	82.5	196.1	118,000 *
34	81.9	195.9	118,000 *
36	81.3	195.5	118,000 *
38	80.7	195.2	111,100
40	80.1	194.8	99,600
42	79.4	194.4	89,500
44	78.8	194.0	80,600
46	78.2	193.6	72,700
48	77.6	193.1	65,700
50	77.0	192.7	59,300
55	75.4	191.4	45,800
60	73.8	189.9	35,100
65	72.3	188.4	26,300
70	70.7	186.6	19,000
75	69.1	184.7	12,700

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code

Boom No. 22EL

Luffing Jib No. 135

179,100 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

28 Ft. 2 in. Crawlers Extended

360 Degree Rating

170 Ft. Luffing Jib Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. Boom			
16	82.8	77.2	377,800 *
17	82.0	77.1	353,800 *
18	81.1	76.9	332,300 *
19	80.3	76.7	312,800 *
20	79.5	76.5	295,100 *
22	77.8	76.0	264,100 *
24	76.1	75.5	237,900 *
26	74.4	74.9	215,500 *
28	72.7	74.2	196,100 *
30	70.9	73.5	179,100 *
32	69.2	72.7	164,100 *
34	67.4	71.8	148,400 *
36	65.6	70.9	132,700 *
38	63.7	69.8	119,200 *
40	61.8	68.7	107,600 *
42	60.0	67.5	97,300 *
44	58.0	66.2	88,300 *
46	56.0	64.8	80,300 *
48	54.0	63.3	73,100 *
50	51.9	61.7	66,600 *
80 Ft. Boom			
17	83.0	87.2	354,800 *
18	82.3	87.0	333,300 *
19	81.5	86.9	313,900 *
20	80.8	86.7	296,300 *
22	79.3	86.3	265,400 *
24	77.9	85.8	239,300 *
26	76.4	85.3	217,000 *
28	74.9	84.7	197,600 *
30	73.4	84.1	180,700 *
32	71.9	83.4	165,800 *
34	70.4	82.7	151,500 *
36	68.8	81.8	135,700 *
38	67.2	81.0	122,100 *
40	65.7	80.0	110,400 *
42	64.1	79.0	100,100 *
44	62.4	77.9	91,000 *
46	60.8	76.8	83,000 *
48	59.1	75.6	75,800 *
50	57.4	74.2	69,300 *
55	52.9	70.6	55,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. Boom			
19	82.5	97.0	314,900 *
20	81.8	96.8	297,300 *
22	80.5	96.5	266,600 *
24	79.2	96.1	240,500 *
26	77.9	95.6	218,300 *
28	76.6	95.1	191,300 *
30	75.3	94.6	165,200 *
32	74.0	93.9	143,800 *
34	72.6	93.3	126,000 *
36	71.3	92.6	111,000 *
38	69.9	91.8	98,100 *
40	68.6	91.0	86,900 *
42	67.2	90.1	77,100 *
44	65.8	89.2	68,500 *
46	64.3	88.2	60,800 *
48	62.9	87.2	54,000 *
50	61.4	86.0	47,800 *
55	57.7	82.9	34,700 *
60	53.8	79.3	24,300 *
100 Ft. Boom			
20	82.7	107.0	298,300 *
22	81.5	106.6	267,600 *
24	80.3	106.3	241,700 *
26	79.2	105.9	219,500 *
28	78.0	105.4	193,800 *
30	76.8	104.9	167,600 *
32	75.6	104.4	146,200 *
34	74.4	103.8	128,400 *
36	73.2	103.2	113,300 *
38	72.0	102.5	100,400 *
40	70.8	101.8	89,200 *
42	69.6	101.0	79,400 *
44	68.3	100.2	70,700 *
46	67.1	99.3	63,000 *
48	65.8	98.4	56,200 *
50	64.6	97.4	50,000 *
55	61.3	94.7	36,900 *
60	57.9	91.6	26,500 *
65	54.4	88.1	17,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. Boom			
22	82.3	116.8	268,000 *
24	81.2	116.4	242,100 *
26	80.2	116.1	220,000 *
28	79.1	115.7	195,800 *
30	78.0	115.2	169,500 *
32	77.0	114.7	148,000 *
34	75.9	114.2	130,100 *
36	74.8	113.6	115,000 *
38	73.7	113.0	102,000 *
40	72.6	112.4	90,700 *
42	71.5	111.7	80,900 *
44	70.4	110.9	72,200 *
46	69.3	110.2	64,500 *
48	68.2	109.3	57,600 *
50	67.0	108.5	51,400 *
55	64.1	106.1	38,300 *
60	61.2	103.3	27,800 *
65	58.1	100.3	19,200 *
70	55.0	96.8	12,000 *
120 Ft. Boom			
22	82.9	126.9	268,500 *
24	82.0	126.6	242,600 *
26	81.0	126.2	220,500 *
28	80.0	125.9	197,300 *
30	79.1	125.4	171,000 *
32	78.1	125.0	149,500 *
34	77.1	124.5	131,500 *
36	76.1	124.0	116,300 *
38	75.1	123.5	103,300 *
40	74.1	122.9	92,100 *
42	73.1	122.2	82,200 *
44	72.1	121.6	73,500 *
46	71.1	120.9	65,800 *
48	70.1	120.1	58,800 *
50	69.1	119.3	52,600 *
55	66.4	117.2	39,500 *
60	63.8	114.7	28,900 *
65	61.1	112.0	20,300 *
70	58.3	109.0	13,200 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

888 SERIES 2

New York City Code
Boom No. 22EL
Luffing Jib No. 135
179,100 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
28 Ft. 2 in. Crawlers Extended
360 Degree Rating

170 Ft. Luffing Jib Attached At 168 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. Boom			
24	82.6	136.7	236,300 *
26	81.7	136.4	221,000 *
28	80.8	136.0	198,800
30	79.9	135.7	172,400
32	79.0	135.2	150,800
34	78.1	134.8	132,900
36	77.2	134.3	117,700
38	76.3	133.8	104,600
40	75.4	133.3	93,300
42	74.4	132.7	83,500
44	73.5	132.1	74,700
46	72.6	131.4	67,000
48	71.7	130.8	60,100
50	70.7	130.1	53,800
55	68.4	128.1	40,600
60	66.0	125.9	30,100
65	63.5	123.4	21,500
70	61.0	120.7	14,300
140 Ft. Boom			
26	82.3	146.5	218,500 *
28	81.5	146.2	199,800
30	80.6	145.8	173,400
32	79.8	145.4	151,800
34	79.0	145.1	133,800
36	78.1	144.6	118,600
38	77.3	144.1	105,500
40	76.4	143.6	94,200
42	75.6	143.1	84,300
44	74.7	142.5	75,600
46	73.9	141.9	67,800
48	73.0	141.3	60,900
50	72.2	140.6	54,600
55	70.0	138.9	41,400
60	67.8	136.8	30,900
65	65.5	134.6	22,200
70	63.3	132.1	15,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. Boom			
26	82.8	156.6	195,400 *
28	82.0	156.3	189,800 *
30	81.3	156.0	174,300
32	80.5	155.6	152,600
34	79.7	155.2	134,600
36	78.9	154.8	119,300
38	78.2	154.4	106,200
40	77.4	153.9	94,800
42	76.6	153.4	84,900
44	75.8	152.9	76,100
46	75.0	152.4	68,300
48	74.2	151.8	61,400
50	73.4	151.2	55,100
55	71.4	149.5	41,800
60	69.3	147.6	31,300
65	67.3	145.6	22,600
70	65.2	143.3	15,400
160 Ft. Boom			
28	82.5	166.4	181,200 *
30	81.8	166.1	174,900
32	81.1	165.8	153,200
34	80.4	165.4	135,100
36	79.6	165.1	119,800
38	78.9	164.6	106,600
40	78.2	164.2	95,300
42	77.4	163.7	85,300
44	76.7	163.2	76,500
46	75.9	162.7	68,700
48	75.2	162.2	61,800
50	74.5	161.6	55,500
55	72.6	160.1	42,200
60	70.7	158.3	31,600
65	68.8	156.4	22,900
70	66.8	154.3	15,700
170 Ft. Boom			
28	83.0	176.5	166,300 *
30	82.3	176.2	162,100 *
32	81.6	175.9	153,800
34	80.9	175.6	135,700
36	80.2	175.2	120,300
38	79.6	174.9	107,200
40	78.9	174.4	95,800
42	78.2	174.0	85,800
44	77.5	173.6	77,100
46	76.8	173.1	69,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
48	76.1	172.6	62,200
50	75.4	172.0	56,000
55	73.7	170.6	42,700
60	71.9	168.9	32,000
65	70.1	167.1	23,300
70	68.3	165.2	16,100
75	66.4	163.0	10,000
180 Ft. Boom			
30	82.7	186.3	153,300 *
32	82.1	186.0	149,400 *
34	81.4	185.7	136,000
36	80.8	185.4	120,600
38	80.2	185.0	107,500
40	79.5	184.6	96,100
42	78.8	184.2	86,100
44	78.2	183.8	77,300
46	77.6	183.4	69,400
48	76.9	182.9	62,400
50	76.2	182.4	56,100
55	74.6	181.0	42,800
60	72.9	179.5	32,200
65	71.2	177.8	23,500
70	69.5	175.9	16,200
75	67.8	173.9	10,100
190 Ft. Boom			
32	82.5	196.1	118,000 *
34	81.9	195.9	118,000 *
36	81.3	195.5	118,000 *
38	80.7	195.2	108,500
40	80.1	194.8	97,100
42	79.4	194.4	87,100
44	78.8	194.0	78,200
46	78.2	193.6	70,400
48	77.6	193.1	63,300
50	77.0	192.7	57,000
55	75.4	191.4	43,700
60	73.8	189.9	33,000
65	72.3	188.4	24,200
70	70.7	186.6	17,000
75	69.1	184.7	10,800