

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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. and up. Capacities based on structural competence are denoted by an asterisk (*).

190 Ft. and 200 Ft. boom lengths require only the middle 3 sheaves to be used on lower boom point. All other sheaves must be removed from lower boom point.

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 5,000 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 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. 192086**, Wire Rope Specification chart **No. 8052-A**, Counterweight Arrangement chart **No. 8026-A** and Luffing Jib Raising Procedure chart **No. 8048-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 and luffing jib set at proper boom to luffing jib angle shown in table. Refer to Maximum Allowable Travel Specification chart **No. 8046-A**.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

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

MACHINE EQUIPMENT: Machine equipped with 30 Ft. 9 in. crawlers, 48 in. treads, 28 Ft. retractable gantry, 12 part boom hoist reeving, boom support straps, 10 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendants and backstays, and 169,200 Lb. counterweight.

Luffing Jib Position During Operation	
Luffing Jib Length - Feet	Boom To Luffing Jib Angle
70	145 Degrees
80 - 90	150 Degrees
100 - 110	160 Degrees
120 - 200	168 Degrees

Consult Chart **No. 8123-A** for luffing jib capacities.

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70 Ft. Luffing Jib, Attached At 145 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	473,900 *
21	81.7	86.7	470,300 *
22	80.9	86.5	466,900 *
23	80.2	86.3	451,800 *
24	79.5	86.1	432,700 *
25	78.7	85.9	401,600
26	78.0	85.6	371,100
27	77.3	85.4	344,500
28	76.5	85.1	321,100
29	75.8	84.8	300,400
30	75.0	84.5	281,900
32	73.5	83.9	250,200
34	72.0	83.2	224,100
36	70.5	82.4	202,300
38	68.9	81.6	183,700
40	67.3	80.7	167,700
42	65.8	79.8	153,800
44	64.2	78.7	141,600
46	62.5	77.6	130,900
48	60.9	76.5	121,300
50	59.2	75.2	112,700
90 Ft. BOOM			
21	82.6	96.9	452,600 *
22	81.9	96.7	449,100 *
23	81.3	96.5	445,600 *
24	80.6	96.3	432,700 *
25	80.0	96.1	403,100
26	79.3	95.9	372,500
27	78.7	95.7	345,900
28	78.0	95.4	322,400
29	77.4	95.2	301,600
30	76.7	94.9	283,100
32	75.4	94.4	251,300
34	74.1	93.7	225,200
36	72.7	93.1	203,300
38	71.4	92.4	184,700
40	70.0	91.6	168,700
42	68.6	90.8	154,800
44	67.2	89.9	142,500
46	65.8	88.9	131,700
48	64.4	87.9	122,100
50	63.0	86.8	113,500
55	59.3	83.9	95,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
22	82.8	106.8	430,200 *
23	82.2	106.7	426,800 *
24	81.6	106.5	423,500 *
25	81.0	106.3	404,300
26	80.4	106.1	373,700
27	79.8	105.9	346,900
28	79.3	105.7	323,400
29	78.7	105.5	302,600
30	78.1	105.2	283,900
32	76.9	104.7	252,100
34	75.7	104.2	225,900
36	74.5	103.6	204,000
38	73.3	103.0	185,300
40	72.1	102.3	169,300
42	70.9	101.5	155,300
44	69.7	100.8	143,000
46	68.4	99.9	132,200
48	67.2	99.0	122,600
50	65.9	98.1	113,900
55	62.7	95.5	95,700
60	59.3	92.5	81,300
65	55.9	89.2	69,500
110 Ft. BOOM			
23	82.9	116.8	336,000 *
24	82.4	116.6	333,400 *
25	81.8	116.5	330,900 *
26	81.3	116.3	328,500 *
27	80.8	116.1	326,200 *
28	80.3	115.9	323,900 *
29	79.7	115.7	303,300
30	79.2	115.5	284,600
32	78.1	115.0	252,800
34	77.0	114.6	226,500
36	76.0	114.0	204,500
38	74.9	113.4	185,800
40	73.8	112.8	169,800
42	72.7	112.2	155,800
44	71.6	111.5	143,500
46	70.5	110.7	132,600
48	69.4	109.9	123,000
50	68.2	109.1	114,300
55	65.4	106.8	96,100
60	62.4	104.2	81,600
65	59.4	101.2	69,900
70	56.3	97.9	60,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	314,400 *
25	82.5	126.6	312,200 *
26	82.0	126.4	310,100 *
27	81.6	126.3	308,100 *
28	81.1	126.1	306,200 *
29	80.6	125.9	303,900
30	80.1	125.7	285,200
32	79.1	125.3	253,200
34	78.1	124.8	226,900
36	77.2	124.4	204,900
38	76.2	123.8	186,100
40	75.2	123.3	170,000
42	74.2	122.7	156,000
44	73.2	122.0	143,700
46	72.2	121.4	132,800
48	71.2	120.6	123,100
50	70.1	119.9	114,400
55	67.6	117.8	96,200
60	64.9	115.5	81,700
65	62.2	112.8	69,900
70	59.5	109.9	60,100
75	56.6	106.6	51,800
130 Ft. BOOM			
26	82.7	136.6	311,800 *
27	82.2	136.4	309,900 *
28	81.8	136.2	308,000 *
29	81.3	136.1	304,400
30	80.9	135.9	285,700
32	80.0	135.5	253,700
34	79.1	135.1	227,400
36	78.2	134.6	205,400
38	77.3	134.2	186,600
40	76.4	133.6	170,500
42	75.4	133.1	156,500
44	74.5	132.5	144,200
46	73.6	131.9	133,300
48	72.7	131.2	123,600
50	71.7	130.5	114,900
55	69.4	128.7	96,600
60	67.0	126.5	82,100
65	64.5	124.1	70,300
70	62.1	121.5	60,500
75	59.5	118.5	52,300
80	56.9	115.3	45,200

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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
27	82.8	146.5	302,400 *
28	82.4	146.4	300,700 *
29	81.9	146.2	299,000 *
30	81.5	146.0	286,100
32	80.7	145.7	254,100
34	79.9	145.3	227,700
36	79.0	144.9	205,600
38	78.2	144.4	186,800
40	77.4	144.0	170,600
42	76.5	143.5	156,600
44	75.7	142.9	144,200
46	74.8	142.3	133,300
48	74.0	141.7	123,600
50	73.1	141.1	114,900
55	70.9	139.4	96,600
60	68.7	137.4	82,000
65	66.5	135.2	70,200
70	64.2	132.8	60,400
75	61.9	130.1	52,100
80	59.5	127.2	45,000
85	57.1	124.0	38,900
150 Ft. BOOM			
28	82.9	156.5	261,700 *
29	82.5	156.3	260,000 *
30	82.1	156.2	258,300 *
32	81.3	155.8	254,300
34	80.6	155.5	227,800
36	79.8	155.1	205,700
38	79.0	154.7	186,900
40	78.2	154.2	170,700
42	77.4	153.8	156,600
44	76.6	153.3	144,200
46	75.8	152.7	133,300
48	75.1	152.2	123,600
50	74.3	151.6	114,800
55	72.3	150.0	96,500
60	70.2	148.2	81,900
65	68.2	146.2	70,100
70	66.1	143.9	60,300
75	63.9	141.5	52,000
80	61.8	138.8	44,900
85	59.6	135.9	38,700
90	57.3	132.6	33,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	252,600 *
30	82.6	166.3	251,200 *
32	81.9	166.0	246,400 *
34	81.1	165.7	227,900
36	80.4	165.3	205,800
38	79.7	164.9	186,900
40	79.0	164.5	170,700
42	78.2	164.0	156,500
44	77.5	163.6	144,200
46	76.8	163.1	133,200
48	76.0	162.6	123,400
50	75.3	162.0	114,700
55	73.4	160.5	96,300
60	71.5	158.8	81,700
65	69.6	157.0	69,800
70	67.7	154.9	60,000
75	65.7	152.6	51,700
80	63.7	150.2	44,600
85	61.7	147.5	38,400
90	59.6	144.5	33,100
95	57.5	141.3	28,300
170 Ft. BOOM			
30	83.0	176.4	243,400 *
32	82.4	176.1	235,800 *
34	81.7	175.8	228,000
36	81.0	175.5	205,800
38	80.3	175.1	186,900
40	79.6	174.7	170,700
42	78.9	174.3	156,600
44	78.2	173.8	144,200
46	77.5	173.4	133,200
48	76.9	172.9	123,500
50	76.2	172.4	114,700
55	74.4	171.0	96,300
60	72.6	169.4	81,700
65	70.9	167.6	69,900
70	69.1	165.7	60,000
75	67.2	163.6	51,700
80	65.4	161.3	44,600
85	63.5	158.8	38,500
90	61.6	156.1	33,100
95	59.6	153.2	28,400
100	57.6	150.0	24,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	223,500 *
34	82.1	185.9	216,500 *
36	81.5	185.6	205,800
38	80.9	185.3	186,900
40	80.2	184.9	170,700
42	79.6	184.5	156,500
44	78.9	184.1	144,100
46	78.3	183.6	133,100
48	77.6	183.2	123,300
50	76.9	182.7	114,500
55	75.3	181.4	96,100
60	73.6	179.9	81,500
65	72.0	178.3	69,600
70	70.3	176.5	59,700
75	68.6	174.5	51,400
80	66.8	172.3	44,200
85	65.1	170.0	38,100
90	63.3	167.5	32,700
95	61.5	164.8	28,000
100	59.6	161.8	23,800
105	57.8	158.7	20,000
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	178,200
38	81.3	195.4	160,100
40	80.7	195.1	144,600
42	80.1	194.7	131,100
44	79.5	194.3	119,300
46	78.9	193.9	108,800
48	78.3	193.4	99,500
50	77.6	193.0	91,100
55	76.1	191.7	73,500
60	74.5	190.3	59,600
65	72.9	188.8	48,200
70	71.4	187.1	38,800
75	69.7	185.3	30,800
80	68.1	183.2	24,000
85	66.5	181.1	18,100
90	64.8	178.7	13,000



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70 Ft. Luffing Jib, Attached At 145 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	176,900 *
38	81.8	205.5	159,900
40	81.2	205.2	144,400
42	80.6	204.8	130,800
44	80.0	204.5	119,000
46	79.4	204.1	108,500
48	78.9	203.7	99,100
50	78.3	203.2	90,700
55	76.8	202.1	73,100
60	75.3	200.7	59,100
65	73.8	199.3	47,700
70	72.3	197.7	38,200
75	70.8	195.9	30,300
80	69.3	194.0	23,400
85	67.7	192.0	17,500
90	66.2	189.8	12,400



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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
80 Ft. BOOM			
20	82.4	86.9	472,900 *
21	81.7	86.7	469,200 *
22	80.9	86.5	465,700 *
23	80.2	86.3	449,600 *
24	79.5	86.1	430,500 *
25	78.7	85.9	398,200
26	78.0	85.6	367,800
27	77.3	85.4	341,200
28	76.5	85.1	317,900
29	75.8	84.8	297,100
30	75.0	84.5	278,600
32	73.5	83.9	247,000
34	72.0	83.2	221,000
36	70.5	82.4	199,200
38	68.9	81.6	180,600
40	67.3	80.7	164,700
42	65.8	79.8	150,800
44	64.2	78.7	138,600
46	62.5	77.6	127,900
48	60.9	76.5	118,300
50	59.2	75.2	109,700
55	54.8	71.7	91,600
90 Ft. BOOM			
21	82.6	96.9	451,900 *
22	81.9	96.7	448,300 *
23	81.3	96.5	444,700 *
24	80.6	96.3	430,600 *
25	80.0	96.1	399,900
26	79.3	95.9	369,400
27	78.7	95.7	342,800
28	78.0	95.4	319,400
29	77.4	95.2	298,600
30	76.7	94.9	280,100
32	75.4	94.4	248,400
34	74.1	93.7	222,300
36	72.7	93.1	200,400
38	71.4	92.4	181,800
40	70.0	91.6	165,800
42	68.6	90.8	151,900
44	67.2	89.9	139,700
46	65.8	88.9	128,900
48	64.4	87.9	119,300
50	63.0	86.8	110,700
55	59.3	83.9	92,600
60	55.4	80.4	78,300
65	51.3	76.5	66,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
22	82.8	106.8	429,800 *
23	82.2	106.7	426,300 *
24	81.6	106.5	422,900 *
25	81.0	106.3	401,300
26	80.4	106.1	370,700
27	79.8	105.9	344,000
28	79.3	105.7	320,500
29	78.7	105.5	299,700
30	78.1	105.2	281,100
32	76.9	104.7	249,300
34	75.7	104.2	223,200
36	74.5	103.6	201,200
38	73.3	103.0	182,600
40	72.1	102.3	166,600
42	70.9	101.5	152,600
44	69.7	100.8	140,400
46	68.4	99.9	129,600
48	67.2	99.0	119,900
50	65.9	98.1	111,300
55	62.7	95.5	93,200
60	59.3	92.5	78,700
65	55.9	89.2	67,000
70	52.3	85.3	57,300
110 Ft. BOOM			
23	82.9	116.8	335,000 *
24	82.4	116.6	332,400 *
25	81.8	116.5	329,800 *
26	81.3	116.3	327,400 *
27	80.8	116.1	325,000 *
28	80.3	115.9	321,500
29	79.7	115.7	300,600
30	79.2	115.5	282,000
32	78.1	115.0	250,100
34	77.0	114.6	223,900
36	76.0	114.0	201,900
38	74.9	113.4	183,300
40	73.8	112.8	167,200
42	72.7	112.2	153,300
44	71.6	111.5	141,000
46	70.5	110.7	130,200
48	69.4	109.9	120,500
50	68.2	109.1	111,800
55	65.4	106.8	93,700
60	62.4	104.2	79,200
65	59.4	101.2	67,500
70	56.3	97.9	57,700
75	53.0	94.1	49,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	313,500 *
25	82.5	126.6	311,300 *
26	82.0	126.4	309,200 *
27	81.6	126.3	307,100 *
28	81.1	126.1	305,100 *
29	80.6	125.9	301,300
30	80.1	125.7	282,600
32	79.1	125.3	250,700
34	78.1	124.8	224,400
36	77.2	124.4	202,400
38	76.2	123.8	183,700
40	75.2	123.3	167,600
42	74.2	122.7	153,600
44	73.2	122.0	141,300
46	72.2	121.4	130,400
48	71.2	120.6	120,700
50	70.1	119.9	112,100
55	67.6	117.8	93,800
60	64.9	115.5	79,400
65	62.2	112.8	67,600
70	59.5	109.9	57,800
75	56.6	106.6	49,500
80	53.6	102.9	42,500
130 Ft. BOOM			
26	82.7	136.6	310,900 *
27	82.2	136.4	308,900 *
28	81.8	136.2	307,000 *
29	81.3	136.1	301,900
30	80.9	135.9	283,200
32	80.0	135.5	251,300
34	79.1	135.1	225,000
36	78.2	134.6	203,000
38	77.3	134.2	184,300
40	76.4	133.6	168,200
42	75.4	133.1	154,200
44	74.5	132.5	141,900
46	73.6	131.9	131,000
48	72.7	131.2	121,300
50	71.7	130.5	112,600
55	69.4	128.7	94,400
60	67.0	126.5	79,900
65	64.5	124.1	68,100
70	62.1	121.5	58,400
75	59.5	118.5	50,100
80	56.9	115.3	43,100
85	54.2	111.7	37,000
90	51.3	107.7	31,700

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New York City Code
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169,200 Lb. Counterweight
360 Degree Rating

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
140 Ft. BOOM			
27	82.8	146.5	301,600 *
28	82.4	146.4	299,800 *
29	81.9	146.2	298,100 *
30	81.5	146.0	283,800
32	80.7	145.7	251,800
34	79.9	145.3	225,400
36	79.0	144.9	203,300
38	78.2	144.4	184,500
40	77.4	144.0	168,400
42	76.5	143.5	154,400
44	75.7	142.9	142,000
46	74.8	142.3	131,100
48	74.0	141.7	121,400
50	73.1	141.1	112,700
55	70.9	139.4	94,400
60	68.7	137.4	79,900
65	66.5	135.2	68,100
70	64.2	132.8	58,300
75	61.9	130.1	50,000
80	59.5	127.2	42,900
85	57.1	124.0	36,800
90	54.6	120.4	31,500
95	52.0	116.5	26,800
150 Ft. BOOM			
28	82.9	156.5	261,300 *
29	82.5	156.3	259,500 *
30	82.1	156.2	257,800 *
32	81.3	155.8	252,000
34	80.6	155.5	225,600
36	79.8	155.1	203,500
38	79.0	154.7	184,700
40	78.2	154.2	168,500
42	77.4	153.8	154,400
44	76.6	153.3	142,100
46	75.8	152.7	131,200
48	75.1	152.2	121,500
50	74.3	151.6	112,700
55	72.3	150.0	94,400
60	70.2	148.2	79,900
65	68.2	146.2	68,000
70	66.1	143.9	58,200
75	63.9	141.5	49,900
80	61.8	138.8	42,900
85	59.6	135.9	36,700
90	57.3	132.6	31,400
95	55.0	129.1	26,700
100	52.6	125.3	22,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	252,200 *
30	82.6	166.3	250,700 *
32	81.9	166.0	245,700 *
34	81.1	165.7	225,800
36	80.4	165.3	203,600
38	79.7	164.9	184,800
40	79.0	164.5	168,600
42	78.2	164.0	154,500
44	77.5	163.6	142,100
46	76.8	163.1	131,100
48	76.0	162.6	121,400
50	75.3	162.0	112,700
55	73.4	160.5	94,300
60	71.5	158.8	79,700
65	69.6	157.0	67,900
70	67.7	154.9	58,000
75	65.7	152.6	49,700
80	63.7	150.2	42,600
85	61.7	147.5	36,500
90	59.6	144.5	31,100
95	57.5	141.3	26,400
100	55.3	137.9	22,200
105	53.1	134.1	18,500
170 Ft. BOOM			
30	83.0	176.4	243,000 *
32	82.4	176.1	235,200 *
34	81.7	175.8	225,900
36	81.0	175.5	203,700
38	80.3	175.1	184,900
40	79.6	174.7	168,600
42	78.9	174.3	154,500
44	78.2	173.8	142,200
46	77.5	173.4	131,200
48	76.9	172.9	121,500
50	76.2	172.4	112,700
55	74.4	171.0	94,400
60	72.6	169.4	79,800
65	70.9	167.6	67,900
70	69.1	165.7	58,100
75	67.2	163.6	49,800
80	65.4	161.3	42,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
85	63.5	158.8	36,600
90	61.6	156.1	31,200
95	59.6	153.2	26,500
100	57.6	150.0	22,300
105	55.6	146.6	18,600
110	53.5	142.9	15,200
115	51.3	138.9	12,200
180 Ft. BOOM			
32	82.8	186.2	223,200 *
34	82.1	185.9	204,100
36	81.5	185.6	182,300
38	80.9	185.3	163,900
40	80.2	184.9	147,900
42	79.6	184.5	134,100
44	78.9	184.1	122,000
46	78.3	183.6	111,200
48	77.6	183.2	101,600
50	76.9	182.7	93,000
55	75.3	181.4	75,000
60	73.6	179.9	60,700
65	72.0	178.3	49,000
70	70.3	176.5	39,300
75	68.6	174.5	31,200
80	66.8	172.3	24,200
85	65.1	170.0	18,100
90	63.3	167.5	12,800

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
360 Degree Rating

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
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	180,000 *
38	81.3	195.4	163,700
40	80.7	195.1	147,700
42	80.1	194.7	133,900
44	79.5	194.3	121,700
46	78.9	193.9	110,900
48	78.3	193.4	101,300
50	77.6	193.0	92,700
55	76.1	191.7	74,700
60	74.5	190.3	60,300
65	72.9	188.8	48,600
70	71.4	187.1	38,900
75	69.7	185.3	30,800
80	68.1	183.2	23,800
85	66.5	181.1	17,700
90	64.8	178.7	12,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	176,600 *
38	81.8	205.5	163,500
40	81.2	205.2	147,600
42	80.6	204.8	133,700
44	80.0	204.5	121,500
46	79.4	204.1	110,700
48	78.9	203.7	101,000
50	78.3	203.2	92,400
55	76.8	202.1	74,300
60	75.3	200.7	59,900
65	73.8	199.3	48,200
70	72.3	197.7	38,500
75	70.8	195.9	30,300
80	69.3	194.0	23,300
85	67.7	192.0	17,200
90	66.2	189.8	11,900



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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
80 Ft. BOOM			
20	82.4	86.9	464,200 *
21	81.7	86.7	460,500 *
22	80.9	86.5	456,900 *
23	80.2	86.3	445,500 *
24	79.5	86.1	426,000
25	78.7	85.9	391,100
26	78.0	85.6	361,000
27	77.3	85.4	334,800
28	76.5	85.1	311,600
29	75.8	84.8	291,200
30	75.0	84.5	272,900
32	73.5	83.9	241,600
34	72.0	83.2	215,900
36	70.5	82.4	194,300
38	68.9	81.6	176,000
40	67.3	80.7	160,200
42	65.8	79.8	146,500
44	64.2	78.7	134,500
46	62.5	77.6	123,900
48	60.9	76.5	114,400
50	59.2	75.2	105,900
55	54.8	71.7	88,100
90 Ft. BOOM			
21	82.6	96.9	443,900 *
22	81.9	96.7	440,200 *
23	81.3	96.5	436,600 *
24	80.6	96.3	426,700 *
25	80.0	96.1	393,000
26	79.3	95.9	362,800
27	78.7	95.7	336,500
28	78.0	95.4	313,300
29	77.4	95.2	292,800
30	76.7	94.9	274,400
32	75.4	94.4	243,100
34	74.1	93.7	217,300
36	72.7	93.1	195,700
38	71.4	92.4	177,300
40	70.0	91.6	161,500
42	68.6	90.8	147,800
44	67.2	89.9	135,700
46	65.8	88.9	125,100
48	64.4	87.9	115,600
50	63.0	86.8	107,100
55	59.3	83.9	89,200
60	55.4	80.4	75,000
65	51.3	76.5	63,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
22	82.8	106.8	422,300 *
23	82.2	106.7	418,800 *
24	81.6	106.5	415,300 *
25	81.0	106.3	394,500
26	80.4	106.1	364,200
27	79.8	105.9	337,800
28	79.3	105.7	314,600
29	78.7	105.5	294,000
30	78.1	105.2	275,600
32	76.9	104.7	244,200
34	75.7	104.2	218,300
36	74.5	103.6	196,700
38	73.3	103.0	178,200
40	72.1	102.3	162,400
42	70.9	101.5	148,600
44	69.7	100.8	136,500
46	68.4	99.9	125,800
48	67.2	99.0	116,300
50	65.9	98.1	107,800
55	62.7	95.5	89,800
60	59.3	92.5	75,600
65	55.9	89.2	64,000
70	52.3	85.3	54,400
110 Ft. BOOM			
23	82.9	116.8	330,400 *
24	82.4	116.6	327,700 *
25	81.8	116.5	325,200 *
26	81.3	116.3	322,700 *
27	80.8	116.1	320,300 *
28	80.3	115.9	315,600
29	79.7	115.7	295,000
30	79.2	115.5	276,600
32	78.1	115.0	245,100
34	77.0	114.6	219,200
36	76.0	114.0	197,500
38	74.9	113.4	179,000
40	73.8	112.8	163,100
42	72.7	112.2	149,300
44	71.6	111.5	137,200
46	70.5	110.7	126,500
48	69.4	109.9	116,900
50	68.2	109.1	108,400
55	65.4	106.8	90,400
60	62.4	104.2	76,100
65	59.4	101.2	64,500
70	56.3	97.9	54,900
75	53.0	94.1	46,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	309,200 *
25	82.5	126.6	307,000 *
26	82.0	126.4	304,800 *
27	81.6	126.3	302,800 *
28	81.1	126.1	300,800 *
29	80.6	125.9	295,800
30	80.1	125.7	277,300
32	79.1	125.3	245,800
34	78.1	124.8	219,800
36	77.2	124.4	198,000
38	76.2	123.8	179,500
40	75.2	123.3	163,600
42	74.2	122.7	149,700
44	73.2	122.0	137,600
46	72.2	121.4	126,800
48	71.2	120.6	117,300
50	70.1	119.9	108,700
55	67.6	117.8	90,700
60	64.9	115.5	76,400
65	62.2	112.8	64,700
70	59.5	109.9	55,100
75	56.6	106.6	46,900
80	53.6	102.9	40,000
130 Ft. BOOM			
26	82.7	136.6	306,600 *
27	82.2	136.4	304,600 *
28	81.8	136.2	302,700 *
29	81.3	136.1	296,500
30	80.9	135.9	278,000
32	80.0	135.5	246,500
34	79.1	135.1	220,500
36	78.2	134.6	198,700
38	77.3	134.2	180,200
40	76.4	133.6	164,200
42	75.4	133.1	150,400
44	74.5	132.5	138,200
46	73.6	131.9	127,500
48	72.7	131.2	117,900
50	71.7	130.5	109,300
55	69.4	128.7	91,300
60	67.0	126.5	77,000
65	64.5	124.1	65,400
70	62.1	121.5	55,700
75	59.5	118.5	47,500
80	56.9	115.3	40,600
85	54.2	111.7	34,600
90	51.3	107.7	29,300

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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
140 Ft. BOOM			
27	82.8	146.5	297,300 *
28	82.4	146.4	295,600 *
29	81.9	146.2	293,900 *
30	81.5	146.0	278,600
32	80.7	145.7	247,000
34	79.9	145.3	220,900
36	79.0	144.9	199,100
38	78.2	144.4	180,500
40	77.4	144.0	164,500
42	76.5	143.5	150,600
44	75.7	142.9	138,400
46	74.8	142.3	127,700
48	74.0	141.7	118,100
50	73.1	141.1	109,500
55	70.9	139.4	91,400
60	68.7	137.4	77,000
65	66.5	135.2	65,300
70	64.2	132.8	55,700
75	61.9	130.1	47,500
80	59.5	127.2	40,500
85	57.1	124.0	34,500
90	54.6	120.4	29,200
95	52.0	116.5	24,600
150 Ft. BOOM			
28	82.9	156.5	257,100 *
29	82.5	156.3	255,300 *
30	82.1	156.2	253,500 *
32	81.3	155.8	247,300
34	80.6	155.5	221,100
36	79.8	155.1	199,300
38	79.0	154.7	180,700
40	78.2	154.2	164,700
42	77.4	153.8	150,800
44	76.6	153.3	138,600
46	75.8	152.7	127,800
48	75.1	152.2	118,200
50	74.3	151.6	109,500
55	72.3	150.0	91,400
60	70.2	148.2	77,000
65	68.2	146.2	65,300
70	66.1	143.9	55,600
75	63.9	141.5	47,500
80	61.8	138.8	40,500
85	59.6	135.9	34,400
90	57.3	132.6	29,100
95	55.0	129.1	24,500
100	52.6	125.3	20,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	248,100 *
30	82.6	166.3	246,600 *
32	81.9	166.0	241,100 *
34	81.1	165.7	221,400
36	80.4	165.3	199,500
38	79.7	164.9	180,800
40	79.0	164.5	164,800
42	78.2	164.0	150,800
44	77.5	163.6	138,600
46	76.8	163.1	127,800
48	76.0	162.6	118,100
50	75.3	162.0	109,500
55	73.4	160.5	91,300
60	71.5	158.8	76,900
65	69.6	157.0	65,200
70	67.7	154.9	55,500
75	65.7	152.6	47,300
80	63.7	150.2	40,200
85	61.7	147.5	34,200
90	59.6	144.5	28,900
95	57.5	141.3	24,200
100	55.3	137.9	20,100
105	53.1	134.1	16,400
170 Ft. BOOM			
30	83.0	176.4	238,100 *
32	82.4	176.1	225,200
34	81.7	175.8	199,500
36	81.0	175.5	178,000
38	80.3	175.1	159,800
40	79.6	174.7	144,000
42	78.9	174.3	130,400
44	78.2	173.8	118,400
46	77.5	173.4	107,800
48	76.9	172.9	98,300
50	76.2	172.4	89,800
55	74.4	171.0	72,000
60	72.6	169.4	57,900
65	70.9	167.6	46,300
70	69.1	165.7	36,800
75	67.2	163.6	28,700
80	65.4	161.3	21,800
85	63.5	158.8	15,800
90	61.6	156.1	10,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	218,400 *
34	82.1	185.9	199,700
36	81.5	185.6	178,100
38	80.9	185.3	159,800
40	80.2	184.9	144,000
42	79.6	184.5	130,300
44	78.9	184.1	118,300
46	78.3	183.6	107,700
48	77.6	183.2	98,200
50	76.9	182.7	89,700
55	75.3	181.4	71,800
60	73.6	179.9	57,600
65	72.0	178.3	46,000
70	70.3	176.5	36,400
75	68.6	174.5	28,400
80	66.8	172.3	21,400
85	65.1	170.0	15,500
90	63.3	167.5	10,200
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	178,000
38	81.3	195.4	159,700
40	80.7	195.1	143,900
42	80.1	194.7	130,100
44	79.5	194.3	118,100
46	78.9	193.9	107,400
48	78.3	193.4	97,900
50	77.6	193.0	89,400
55	76.1	191.7	71,500
60	74.5	190.3	57,300
65	72.9	188.8	45,700
70	71.4	187.1	36,100
75	69.7	185.3	28,000
80	68.1	183.2	21,100
85	66.5	181.1	15,100



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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
200 Ft. BOOM			
34	82.9	206.1	176,800 *
36	82.4	205.8	172,400 *
38	81.8	205.5	159,600
40	81.2	205.2	143,700
42	80.6	204.8	130,000
44	80.0	204.5	117,900
46	79.4	204.1	107,200
48	78.9	203.7	97,700
50	78.3	203.2	89,100
55	76.8	202.1	71,200
60	75.3	200.7	56,900
65	73.8	199.3	45,300
70	72.3	197.7	35,700
75	70.8	195.9	27,600
80	69.3	194.0	20,600
85	67.7	192.0	14,600

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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
80 Ft. BOOM			
20	82.4	86.9	477,100 *
21	81.7	86.7	473,100 *
22	80.9	86.5	468,400 *
23	80.2	86.3	447,600 *
24	79.5	86.1	428,300 *
25	78.7	85.9	395,300
26	78.0	85.6	364,600
27	77.3	85.4	337,900
28	76.5	85.1	314,400
29	75.8	84.8	293,500
30	75.0	84.5	274,900
32	73.5	83.9	243,100
34	72.0	83.2	216,900
36	70.5	82.4	194,900
38	68.9	81.6	176,300
40	67.3	80.7	160,200
42	65.8	79.8	146,200
44	64.2	78.7	134,000
46	62.5	77.6	123,100
48	60.9	76.5	113,500
50	59.2	75.2	104,800
55	54.8	71.7	86,600
60	50.2	67.6	72,200
65	45.1	62.7	60,400
90 Ft. BOOM			
21	82.6	96.9	456,500 *
22	81.9	96.7	452,400 *
23	81.3	96.5	447,900 *
24	80.6	96.3	428,700 *
25	80.0	96.1	397,500
26	79.3	95.9	366,800
27	78.7	95.7	340,000
28	78.0	95.4	316,400
29	77.4	95.2	295,500
30	76.7	94.9	276,800
32	75.4	94.4	244,900
34	74.1	93.7	218,700
36	72.7	93.1	196,700
38	71.4	92.4	178,000
40	70.0	91.6	161,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	147,900
44	67.2	89.9	135,600
46	65.8	88.9	124,700
48	64.4	87.9	115,000
50	63.0	86.8	106,400
55	59.3	83.9	88,100
60	55.4	80.4	73,700
65	51.3	76.5	61,900
70	47.0	71.8	52,100
75	42.3	66.5	43,800
100 Ft. BOOM			
22	82.8	106.8	434,600 *
23	82.2	106.7	430,700 *
24	81.6	106.5	427,100 *
25	81.0	106.3	399,300
26	80.4	106.1	368,500
27	79.8	105.9	341,600
28	79.3	105.7	318,000
29	78.7	105.5	297,000
30	78.1	105.2	278,300
32	76.9	104.7	246,300
34	75.7	104.2	220,000
36	74.5	103.6	197,900
38	73.3	103.0	179,200
40	72.1	102.3	163,000
42	70.9	101.5	149,000
44	69.7	100.8	136,700
46	68.4	99.9	125,800
48	67.2	99.0	116,100
50	65.9	98.1	107,300
55	62.7	95.5	89,100
60	59.3	92.5	74,500
65	55.9	89.2	62,700
70	52.3	85.3	52,900
75	48.5	80.9	44,600
80	44.4	75.9	37,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
23	82.9	116.8	336,800 *
24	82.4	116.6	334,000 *
25	81.8	116.5	331,200 *
26	81.3	116.3	328,600 *
27	80.8	116.1	326,000 *
28	80.3	115.9	319,200
29	79.7	115.7	298,200
30	79.2	115.5	279,500
32	78.1	115.0	247,400
34	77.0	114.6	221,000
36	76.0	114.0	198,900
38	74.9	113.4	180,100
40	73.8	112.8	164,000
42	72.7	112.2	149,900
44	71.6	111.5	137,600
46	70.5	110.7	126,700
48	69.4	109.9	116,900
50	68.2	109.1	108,200
55	65.4	106.8	89,900
60	62.4	104.2	75,300
65	59.4	101.2	63,500
70	56.3	97.9	53,700
75	53.0	94.1	45,400
80	49.6	89.9	38,300
85	46.0	85.1	32,200
90	42.2	79.7	26,800



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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
120 Ft. BOOM			
24	83.0	126.8	315,300 *
25	82.5	126.6	312,900 *
26	82.0	126.4	310,600 *
27	81.6	126.3	308,400 *
28	81.1	126.1	306,200 *
29	80.6	125.9	299,200
30	80.1	125.7	280,400
32	79.1	125.3	248,300
34	78.1	124.8	221,800
36	77.2	124.4	199,700
38	76.2	123.8	180,800
40	75.2	123.3	164,600
42	74.2	122.7	150,500
44	73.2	122.0	138,100
46	72.2	121.4	127,200
48	71.2	120.6	117,400
50	70.1	119.9	108,700
55	67.6	117.8	90,400
60	64.9	115.5	75,800
65	62.2	112.8	63,900
70	59.5	109.9	54,000
75	56.6	106.6	45,700
80	53.6	102.9	38,600
85	50.6	98.8	32,500
90	47.3	94.2	27,100
95	43.9	89.1	22,400
130 Ft. BOOM			
26	82.7	136.6	312,600 *
27	82.2	136.4	310,500 *
28	81.8	136.2	308,400 *
29	81.3	136.1	300,100
30	80.9	135.9	281,300
32	80.0	135.5	249,100
34	79.1	135.1	222,700
36	78.2	134.6	200,500
38	77.3	134.2	181,600
40	76.4	133.6	165,400
42	75.4	133.1	151,300
44	74.5	132.5	139,000
46	73.6	131.9	128,000
48	72.7	131.2	118,300
50	71.7	130.5	109,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
55	69.4	128.7	91,200
60	67.0	126.5	76,600
65	64.5	124.1	64,700
70	62.1	121.5	54,800
75	59.5	118.5	46,500
80	56.9	115.3	39,400
85	54.2	111.7	33,300
90	51.3	107.7	27,900
95	48.4	103.3	23,200
100	45.3	98.4	19,000
105	42.0	92.9	15,200
140 Ft. BOOM			
27	82.8	146.5	303,300 *
28	82.4	146.4	301,400 *
29	81.9	146.2	299,500 *
30	81.5	146.0	282,000
32	80.7	145.7	249,800
34	79.9	145.3	223,200
36	79.0	144.9	201,000
38	78.2	144.4	182,100
40	77.4	144.0	165,800
42	76.5	143.5	151,700
44	75.7	142.9	139,300
46	74.8	142.3	128,300
48	74.0	141.7	118,500
50	73.1	141.1	109,800
55	70.9	139.4	91,400
60	68.7	137.4	76,700
65	66.5	135.2	64,800
70	64.2	132.8	55,000
75	61.9	130.1	46,600
80	59.5	127.2	39,500
85	57.1	124.0	33,300
90	54.6	120.4	28,000
95	52.0	116.5	23,200
100	49.3	112.2	19,000
105	46.5	107.5	15,200
110	43.5	102.3	11,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	263,900 *
29	82.5	156.3	262,000 *
30	82.1	156.2	260,100 *
32	81.3	155.8	250,200
34	80.6	155.5	223,600
36	79.8	155.1	201,300
38	79.0	154.7	182,400
40	78.2	154.2	166,100
42	77.4	153.8	152,000
44	76.6	153.3	139,500
46	75.8	152.7	128,500
48	75.1	152.2	118,700
50	74.3	151.6	110,000
55	72.3	150.0	91,500
60	70.2	148.2	76,900
65	68.2	146.2	65,000
70	66.1	143.9	55,100
75	63.9	141.5	46,700
80	61.8	138.8	39,600
85	59.6	135.9	33,400
90	57.3	132.6	28,000
95	55.0	129.1	23,300
100	52.6	125.3	19,100
105	50.1	121.2	15,300
110	47.5	116.6	11,900

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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
160 Ft. BOOM			
29	83.0	166.4	254,900 *
30	82.6	166.3	250,600
32	81.9	166.0	219,700
34	81.1	165.7	194,300
36	80.4	165.3	173,000
38	79.7	164.9	154,900
40	79.0	164.5	139,400
42	78.2	164.0	125,800
44	77.5	163.6	113,900
46	76.8	163.1	103,400
48	76.0	162.6	94,000
50	75.3	162.0	85,600
55	73.4	160.5	68,000
60	71.5	158.8	54,000
65	69.6	157.0	42,600
70	67.7	154.9	33,100
75	65.7	152.6	25,100
80	63.7	150.2	18,300
85	61.7	147.5	12,400
170 Ft. BOOM			
30	83.0	176.4	246,300 *
32	82.4	176.1	220,000
34	81.7	175.8	194,600
36	81.0	175.5	173,300
38	80.3	175.1	155,200
40	79.6	174.7	139,600
42	78.9	174.3	126,100
44	78.2	173.8	114,200
46	77.5	173.4	103,700
48	76.9	172.9	94,300
50	76.2	172.4	85,900
55	74.4	171.0	68,300
60	72.6	169.4	54,200
65	70.9	167.6	42,800
70	69.1	165.7	33,400
75	67.2	163.6	25,400
80	65.4	161.3	18,600
85	63.5	158.8	12,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	220,300
34	82.1	185.9	194,800
36	81.5	185.6	173,400
38	80.9	185.3	155,300
40	80.2	184.9	139,700
42	79.6	184.5	126,100
44	78.9	184.1	114,200
46	78.3	183.6	103,600
48	77.6	183.2	94,200
50	76.9	182.7	85,800
55	75.3	181.4	68,100
60	73.6	179.9	54,100
65	72.0	178.3	42,600
70	70.3	176.5	33,100
75	68.6	174.5	25,100
80	66.8	172.3	18,300
85	65.1	170.0	12,300
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	173,400
38	81.3	195.4	155,200
40	80.7	195.1	139,500
42	80.1	194.7	125,900
44	79.5	194.3	114,000
46	78.9	193.9	103,400
48	78.3	193.4	94,000
50	77.6	193.0	85,600
55	76.1	191.7	67,900
60	74.5	190.3	53,800
65	72.9	188.8	42,300
70	71.4	187.1	32,800
75	69.7	185.3	24,800
80	68.1	183.2	17,900
85	66.5	181.1	12,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	173,400
38	81.8	205.5	155,200
40	81.2	205.2	139,500
42	80.6	204.8	125,800
44	80.0	204.5	113,900
46	79.4	204.1	103,300
48	78.9	203.7	93,800
50	78.3	203.2	85,400
55	76.8	202.1	67,600
60	75.3	200.7	53,500
65	73.8	199.3	42,000
70	72.3	197.7	32,400
75	70.8	195.9	24,400
80	69.3	194.0	17,500
85	67.7	192.0	11,600

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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
80 Ft. BOOM			
20	82.4	86.9	470,300 *
21	81.7	86.7	466,100 *
22	80.9	86.5	462,100 *
23	80.2	86.3	443,700 *
24	79.5	86.1	423,800
25	78.7	85.9	388,600
26	78.0	85.6	358,200
27	77.3	85.4	331,700
28	76.5	85.1	308,400
29	75.8	84.8	287,800
30	75.0	84.5	269,300
32	73.5	83.9	237,800
34	72.0	83.2	211,800
36	70.5	82.4	190,100
38	68.9	81.6	171,600
40	67.3	80.7	155,700
42	65.8	79.8	141,900
44	64.2	78.7	129,700
46	62.5	77.6	119,000
48	60.9	76.5	109,400
50	59.2	75.2	100,900
55	54.8	71.7	82,900
60	50.2	67.6	68,600
65	45.1	62.7	56,900
90 Ft. BOOM			
21	82.6	96.9	450,100 *
22	81.9	96.7	446,000 *
23	81.3	96.5	442,100 *
24	80.6	96.3	425,000 *
25	80.0	96.1	391,000
26	79.3	95.9	360,600
27	78.7	95.7	334,000
28	78.0	95.4	310,700
29	77.4	95.2	290,000
30	76.7	94.9	271,500
32	75.4	94.4	239,900
34	74.1	93.7	213,800
36	72.7	93.1	192,000
38	71.4	92.4	173,500
40	70.0	91.6	157,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	143,700
44	67.2	89.9	131,500
46	65.8	88.9	120,800
48	64.4	87.9	111,200
50	63.0	86.8	102,600
55	59.3	83.9	84,600
60	55.4	80.4	70,200
65	51.3	76.5	58,600
70	47.0	71.8	48,900
75	42.3	66.5	40,700
100 Ft. BOOM			
22	82.8	106.8	428,600 *
23	82.2	106.7	424,800 *
24	81.6	106.5	421,100 *
25	81.0	106.3	393,000
26	80.4	106.1	362,500
27	79.8	105.9	335,900
28	79.3	105.7	312,400
29	78.7	105.5	291,700
30	78.1	105.2	273,100
32	76.9	104.7	241,400
34	75.7	104.2	215,300
36	74.5	103.6	193,500
38	73.3	103.0	174,900
40	72.1	102.3	158,900
42	70.9	101.5	145,000
44	69.7	100.8	132,800
46	68.4	99.9	122,000
48	67.2	99.0	112,400
50	65.9	98.1	103,700
55	62.7	95.5	85,600
60	59.3	92.5	71,300
65	55.9	89.2	59,500
70	52.3	85.3	49,800
75	48.5	80.9	41,700
80	44.4	75.9	34,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
23	82.9	116.8	332,900 *
24	82.4	116.6	330,100 *
25	81.8	116.5	327,300 *
26	81.3	116.3	324,700 *
27	80.8	116.1	322,100 *
28	80.3	115.9	313,800
29	79.7	115.7	293,000
30	79.2	115.5	274,400
32	78.1	115.0	242,700
34	77.0	114.6	216,500
36	76.0	114.0	194,600
38	74.9	113.4	176,000
40	73.8	112.8	160,000
42	72.7	112.2	146,000
44	71.6	111.5	133,800
46	70.5	110.7	123,000
48	69.4	109.9	113,400
50	68.2	109.1	104,700
55	65.4	106.8	86,600
60	62.4	104.2	72,200
65	59.4	101.2	60,400
70	56.3	97.9	50,700
75	53.0	94.1	42,500
80	49.6	89.9	35,500
85	46.0	85.1	29,400
90	42.2	79.7	24,200

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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
120 Ft. BOOM			
24	83.0	126.8	311,600 *
25	82.5	126.6	309,300 *
26	82.0	126.4	306,900 *
27	81.6	126.3	304,700 *
28	81.1	126.1	302,600 *
29	80.6	125.9	294,100
30	80.1	125.7	275,500
32	79.1	125.3	243,600
34	78.1	124.8	217,400
36	77.2	124.4	195,400
38	76.2	123.8	176,800
40	75.2	123.3	160,700
42	74.2	122.7	146,800
44	73.2	122.0	134,500
46	72.2	121.4	123,700
48	71.2	120.6	114,000
50	70.1	119.9	105,300
55	67.6	117.8	87,100
60	64.9	115.5	72,700
65	62.2	112.8	60,900
70	59.5	109.9	51,200
75	56.6	106.6	43,000
80	53.6	102.9	35,900
85	50.6	98.8	29,800
90	47.3	94.2	24,500
95	43.9	89.1	19,900
130 Ft. BOOM			
26	82.7	136.6	309,000 *
27	82.2	136.4	306,800 *
28	81.8	136.2	304,700 *
29	81.3	136.1	295,100
30	80.9	135.9	276,400
32	80.0	135.5	244,600
34	79.1	135.1	218,400
36	78.2	134.6	196,400
38	77.3	134.2	177,700
40	76.4	133.6	161,600
42	75.4	133.1	147,700
44	74.5	132.5	135,400
46	73.6	131.9	124,600
48	72.7	131.2	114,900
50	71.7	130.5	106,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
55	69.4	128.7	88,000
60	67.0	126.5	73,600
65	64.5	124.1	61,800
70	62.1	121.5	52,100
75	59.5	118.5	43,800
80	56.9	115.3	36,800
85	54.2	111.7	30,700
90	51.3	107.7	25,400
95	48.4	103.3	20,700
100	45.3	98.4	16,600
105	42.0	92.9	12,900
140 Ft. BOOM			
27	82.8	146.5	299,700 *
28	82.4	146.4	297,800 *
29	81.9	146.2	295,900
30	81.5	146.0	277,200
32	80.7	145.7	245,300
34	79.9	145.3	219,000
36	79.0	144.9	197,000
38	78.2	144.4	178,200
40	77.4	144.0	162,100
42	76.5	143.5	148,100
44	75.7	142.9	135,800
46	74.8	142.3	124,900
48	74.0	141.7	115,300
50	73.1	141.1	106,600
55	70.9	139.4	88,300
60	68.7	137.4	73,800
65	66.5	135.2	62,000
70	64.2	132.8	52,300
75	61.9	130.1	44,000
80	59.5	127.2	36,900
85	57.1	124.0	30,900
90	54.6	120.4	25,500
95	52.0	116.5	20,800
100	49.3	112.2	16,700
105	46.5	107.5	13,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	260,400 *
29	82.5	156.3	258,500 *
30	82.1	156.2	244,200
32	81.3	155.8	213,800
34	80.6	155.5	188,700
36	79.8	155.1	167,700
38	79.0	154.7	149,900
40	78.2	154.2	134,500
42	77.4	153.8	121,200
44	76.6	153.3	109,400
46	75.8	152.7	99,100
48	75.1	152.2	89,800
50	74.3	151.6	81,600
55	72.3	150.0	64,200
60	70.2	148.2	50,400
65	68.2	146.2	39,100
70	66.1	143.9	29,800
75	63.9	141.5	21,900
80	61.8	138.8	15,200
160 Ft. BOOM			
29	83.0	166.4	251,400 *
30	82.6	166.3	244,800
32	81.9	166.0	214,200
34	81.1	165.7	189,100
36	80.4	165.3	168,000
38	79.7	164.9	150,100
40	79.0	164.5	134,700
42	78.2	164.0	121,400
44	77.5	163.6	109,600
46	76.8	163.1	99,200
48	76.0	162.6	89,900
50	75.3	162.0	81,600
55	73.4	160.5	64,200
60	71.5	158.8	50,300
65	69.6	157.0	39,100
70	67.7	154.9	29,700
75	65.7	152.6	21,800
80	63.7	150.2	15,100

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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
170 Ft. BOOM			
30	83.0	176.4	242,300 *
32	82.4	176.1	214,600
34	81.7	175.8	189,400
36	81.0	175.5	168,400
38	80.3	175.1	150,500
40	79.6	174.7	135,100
42	78.9	174.3	121,700
44	78.2	173.8	109,900
46	77.5	173.4	99,500
48	76.9	172.9	90,300
50	76.2	172.4	82,000
55	74.4	171.0	64,500
60	72.6	169.4	50,700
65	70.9	167.6	39,400
70	69.1	165.7	30,100
75	67.2	163.6	22,200
80	65.4	161.3	15,400
180 Ft. BOOM			
32	82.8	186.2	214,900
34	82.1	185.9	189,700
36	81.5	185.6	168,600
38	80.9	185.3	150,600
40	80.2	184.9	135,200
42	79.6	184.5	121,800
44	78.9	184.1	110,000
46	78.3	183.6	99,500
48	77.6	183.2	90,300
50	76.9	182.7	81,900
55	75.3	181.4	64,400
60	73.6	179.9	50,500
65	72.0	178.3	39,200
70	70.3	176.5	29,900
75	68.6	174.5	21,900
80	66.8	172.3	15,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	168,600
38	81.3	195.4	150,600
40	80.7	195.1	135,100
42	80.1	194.7	121,700
44	79.5	194.3	109,900
46	78.9	193.9	99,400
48	78.3	193.4	90,100
50	77.6	193.0	81,800
55	76.1	191.7	64,300
60	74.5	190.3	50,300
65	72.9	188.8	39,000
70	71.4	187.1	29,600
75	69.7	185.3	21,700
80	68.1	183.2	14,900
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	168,700
38	81.8	205.5	150,600
40	81.2	205.2	135,100
42	80.6	204.8	121,600
44	80.0	204.5	109,800
46	79.4	204.1	99,300
48	78.9	203.7	90,000
50	78.3	203.2	81,600
55	76.8	202.1	64,000
60	75.3	200.7	50,100
65	73.8	199.3	38,700
70	72.3	197.7	29,300
75	70.8	195.9	21,300
80	69.3	194.0	14,500



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
360 Degree Rating

120 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
80 Ft. BOOM			
20	82.4	86.9	475,200 *
21	81.7	86.7	471,600 *
22	80.9	86.5	468,000 *
23	80.2	86.3	447,000 *
24	79.5	86.1	427,500 *
25	78.7	85.9	395,000
26	78.0	85.6	363,900
27	77.3	85.4	336,800
28	76.5	85.1	313,000
29	75.8	84.8	291,900
30	75.0	84.5	273,000
32	73.5	83.9	240,700
34	72.0	83.2	214,100
36	70.5	82.4	191,900
38	68.9	81.6	172,900
40	67.3	80.7	156,700
42	65.8	79.8	142,500
44	64.2	78.7	130,000
46	62.5	77.6	119,000
48	60.9	76.5	109,200
50	59.2	75.2	100,400
55	54.8	71.7	81,900
60	50.2	67.6	67,200
65	45.1	62.7	55,200
70	39.6	56.8	45,300
75	33.3	49.4	36,800
90 Ft. BOOM			
21	82.6	96.9	463,000 *
22	81.9	96.7	458,800 *
23	81.3	96.5	447,600 *
24	80.6	96.3	428,200 *
25	80.0	96.1	397,800
26	79.3	95.9	366,600
27	78.7	95.7	339,500
28	78.0	95.4	315,600
29	77.4	95.2	294,400
30	76.7	94.9	275,500
32	75.4	94.4	243,100
34	74.1	93.7	216,500
36	72.7	93.1	194,200
38	71.4	92.4	175,200
40	70.0	91.6	158,900
42	68.6	90.8	144,700
44	67.2	89.9	132,200
46	65.8	88.9	121,200
48	64.4	87.9	111,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
50	63.0	86.8	102,600
55	59.3	83.9	84,100
60	55.4	80.4	69,300
65	51.3	76.5	57,400
70	47.0	71.8	47,400
75	42.3	66.5	39,000
80	37.1	60.0	31,800
100 Ft. BOOM			
22	82.8	106.8	441,100 *
23	82.2	106.7	437,100 *
24	81.6	106.5	428,400 *
25	81.0	106.3	400,100
26	80.4	106.1	368,800
27	79.8	105.9	341,600
28	79.3	105.7	317,600
29	78.7	105.5	296,400
30	78.1	105.2	277,400
32	76.9	104.7	245,000
34	75.7	104.2	218,300
36	74.5	103.6	195,900
38	73.3	103.0	176,900
40	72.1	102.3	160,500
42	70.9	101.5	146,300
44	69.7	100.8	133,800
46	68.4	99.9	122,700
48	67.2	99.0	112,900
50	65.9	98.1	104,000
55	62.7	95.5	85,500
60	59.3	92.5	70,700
65	55.9	89.2	58,700
70	52.3	85.3	48,700
75	48.5	80.9	40,300
80	44.4	75.9	33,100
85	40.0	70.0	26,800
90	35.1	63.1	21,400
110 Ft. BOOM			
23	82.9	116.8	340,200 *
24	82.4	116.6	337,200 *
25	81.8	116.5	334,200 *
26	81.3	116.3	331,400 *
27	80.8	116.1	328,700 *
28	80.3	115.9	319,300
29	79.7	115.7	298,000
30	79.2	115.5	279,000
32	78.1	115.0	246,500
34	77.0	114.6	219,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	197,300
38	74.9	113.4	178,200
40	73.8	112.8	161,800
42	72.7	112.2	147,600
44	71.6	111.5	135,100
46	70.5	110.7	124,000
48	69.4	109.9	114,100
50	68.2	109.1	105,300
55	65.4	106.8	86,700
60	62.4	104.2	71,900
65	59.4	101.2	59,900
70	56.3	97.9	49,900
75	53.0	94.1	41,500
80	49.6	89.9	34,200
85	46.0	85.1	28,000
90	42.2	79.7	22,500
95	38.0	73.4	17,700
100	33.3	66.0	13,400
120 Ft. BOOM			
24	83.0	126.8	328,700 *
25	82.5	126.6	326,200 *
26	82.0	126.4	323,800 *
27	81.6	126.3	321,500 *
28	81.1	126.1	319,300 *
29	80.6	125.9	299,300
30	80.1	125.7	280,200
32	79.1	125.3	247,600
34	78.1	124.8	220,800
36	77.2	124.4	198,300
38	76.2	123.8	179,200
40	75.2	123.3	162,800
42	74.2	122.7	148,500
44	73.2	122.0	135,900
46	72.2	121.4	124,800
48	71.2	120.6	115,000
50	70.1	119.9	106,100
55	67.6	117.8	87,500
60	64.9	115.5	72,700
65	62.2	112.8	60,600
70	59.5	109.9	50,600
75	56.6	106.6	42,100
80	53.6	102.9	34,900
85	50.6	98.8	28,700
90	47.3	94.2	23,200
95	43.9	89.1	18,400
100	40.2	83.3	14,100
105	36.2	76.6	10,200



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
360 Degree Rating

120 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			
26	82.7	136.6	315,900 *
27	82.2	136.4	313,600 *
28	81.8	136.2	311,300 *
29	81.3	136.1	300,400
30	80.9	135.9	281,300
32	80.0	135.5	248,700
34	79.1	135.1	221,900
36	78.2	134.6	199,400
38	77.3	134.2	180,300
40	76.4	133.6	163,900
42	75.4	133.1	149,600
44	74.5	132.5	137,000
46	73.6	131.9	125,900
48	72.7	131.2	116,000
50	71.7	130.5	107,200
55	69.4	128.7	88,500
60	67.0	126.5	73,700
65	64.5	124.1	61,700
70	62.1	121.5	51,700
75	59.5	118.5	43,200
80	56.9	115.3	36,000
85	54.2	111.7	29,800
90	51.3	107.7	24,300
95	48.4	103.3	19,500
100	45.3	98.4	15,200
105	42.0	92.9	11,400
140 Ft. BOOM			
27	82.8	146.5	306,600 *
28	82.4	146.4	288,700
29	81.9	146.2	268,200
30	81.5	146.0	249,900
32	80.7	145.7	218,600
34	79.9	145.3	192,900
36	79.0	144.9	171,300
38	78.2	144.4	152,900
40	77.4	144.0	137,100
42	76.5	143.5	123,400
44	75.7	142.9	111,300
46	74.8	142.3	100,700
48	74.0	141.7	91,200
50	73.1	141.1	82,600
55	70.9	139.4	64,700
60	68.7	137.4	50,500
65	66.5	135.2	38,900
70	64.2	132.8	29,300
75	61.9	130.1	21,100
80	59.5	127.2	14,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	268,000 *
29	82.5	156.3	265,900 *
30	82.1	156.2	250,600
32	81.3	155.8	219,300
34	80.6	155.5	193,500
36	79.8	155.1	171,800
38	79.0	154.7	153,500
40	78.2	154.2	137,600
42	77.4	153.8	123,900
44	76.6	153.3	111,800
46	75.8	152.7	101,100
48	75.1	152.2	91,600
50	74.3	151.6	83,100
55	72.3	150.0	65,100
60	70.2	148.2	50,900
65	68.2	146.2	39,200
70	66.1	143.9	29,600
75	63.9	141.5	21,500
80	61.8	138.8	14,500
160 Ft. BOOM			
29	83.0	166.4	258,900 *
30	82.6	166.3	251,300
32	81.9	166.0	219,900
34	81.1	165.7	194,000
36	80.4	165.3	172,300
38	79.7	164.9	153,900
40	79.0	164.5	138,000
42	78.2	164.0	124,200
44	77.5	163.6	112,100
46	76.8	163.1	101,400
48	76.0	162.6	91,800
50	75.3	162.0	83,300
55	73.4	160.5	65,300
60	71.5	158.8	51,000
65	69.6	157.0	39,400
70	67.7	154.9	29,700
75	65.7	152.6	21,500
80	63.7	150.2	14,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	250,400 *
32	82.4	176.1	220,300
34	81.7	175.8	194,400
36	81.0	175.5	172,700
38	80.3	175.1	154,300
40	79.6	174.7	138,400
42	78.9	174.3	124,600
44	78.2	173.8	112,500
46	77.5	173.4	101,800
48	76.9	172.9	92,300
50	76.2	172.4	83,700
55	74.4	171.0	65,700
60	72.6	169.4	51,400
65	70.9	167.6	39,800
70	69.1	165.7	30,200
75	67.2	163.6	22,000
80	65.4	161.3	15,000
180 Ft. BOOM			
32	82.8	186.2	220,800
34	82.1	185.9	194,800
36	81.5	185.6	173,100
38	80.9	185.3	154,600
40	80.2	184.9	138,700
42	79.6	184.5	124,800
44	78.9	184.1	112,700
46	78.3	183.6	101,900
48	77.6	183.2	92,400
50	76.9	182.7	83,800
55	75.3	181.4	65,700
60	73.6	179.9	51,400
65	72.0	178.3	39,700
70	70.3	176.5	30,100
75	68.6	174.5	21,900
80	66.8	172.3	14,900



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets ANSI B30.5 Requirements

New York City Code

Boom No. 44 With Heavy Lift Top

Luffing Jib No. 133 or No. 133A

169,200 Lb. Counterweight

360 Degree Rating

120 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
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	173,100
38	81.3	195.4	154,600
40	80.7	195.1	138,700
42	80.1	194.7	124,800
44	79.5	194.3	112,700
46	78.9	193.9	101,900
48	78.3	193.4	92,300
50	77.6	193.0	83,700
55	76.1	191.7	65,700
60	74.5	190.3	51,300
65	72.9	188.8	39,600
70	71.4	187.1	29,900
75	69.7	185.3	21,700
80	68.1	183.2	14,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	173,300
38	81.8	205.5	154,700
40	81.2	205.2	138,700
42	80.6	204.8	124,900
44	80.0	204.5	112,700
46	79.4	204.1	101,900
48	78.9	203.7	92,200
50	78.3	203.2	83,600
55	76.8	202.1	65,500
60	75.3	200.7	51,100
65	73.8	199.3	39,400
70	72.3	197.7	29,700
75	70.8	195.9	21,500
80	69.3	194.0	14,500



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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
80 Ft. BOOM			
20	82.4	86.9	471,900 *
21	81.7	86.7	467,900 *
22	80.9	86.5	463,600 *
23	80.2	86.3	444,300 *
24	79.5	86.1	424,900 *
25	78.7	85.9	390,100
26	78.0	85.6	359,300
27	77.3	85.4	332,300
28	76.5	85.1	308,600
29	75.8	84.8	287,600
30	75.0	84.5	268,900
32	73.5	83.9	236,800
34	72.0	83.2	210,400
36	70.5	82.4	188,300
38	68.9	81.6	169,400
40	67.3	80.7	153,300
42	65.8	79.8	139,200
44	64.2	78.7	126,800
46	62.5	77.6	115,900
48	60.9	76.5	106,100
50	59.2	75.2	97,400
55	54.8	71.7	79,000
60	50.2	67.6	64,400
65	45.1	62.7	52,500
70	39.6	56.8	42,600
75	33.3	49.4	34,300
90 Ft. BOOM			
21	82.6	96.9	459,000 *
22	81.9	96.7	454,500 *
23	81.3	96.5	445,000 *
24	80.6	96.3	425,700 *
25	80.0	96.1	393,100
26	79.3	95.9	362,200
27	78.7	95.7	335,200
28	78.0	95.4	311,400
29	77.4	95.2	290,400
30	76.7	94.9	271,600
32	75.4	94.4	239,400
34	74.1	93.7	213,000
36	72.7	93.1	190,800
38	71.4	92.4	171,900
40	70.0	91.6	155,700
42	68.6	90.8	141,600
44	67.2	89.9	129,200
46	65.8	88.9	118,300
48	64.4	87.9	108,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
50	63.0	86.8	99,700
55	59.3	83.9	81,300
60	55.4	80.4	66,700
65	51.3	76.5	54,800
70	47.0	71.8	44,900
75	42.3	66.5	36,600
80	37.1	60.0	29,400
100 Ft. BOOM			
22	82.8	106.8	437,400 *
23	82.2	106.7	433,200 *
24	81.6	106.5	425,900 *
25	81.0	106.3	395,600
26	80.4	106.1	364,600
27	79.8	105.9	337,500
28	79.3	105.7	313,700
29	78.7	105.5	292,500
30	78.1	105.2	273,700
32	76.9	104.7	241,400
34	75.7	104.2	214,900
36	74.5	103.6	192,700
38	73.3	103.0	173,700
40	72.1	102.3	157,500
42	70.9	101.5	143,300
44	69.7	100.8	130,900
46	68.4	99.9	119,900
48	67.2	99.0	110,100
50	65.9	98.1	101,300
55	62.7	95.5	82,900
60	59.3	92.5	68,200
65	55.9	89.2	56,300
70	52.3	85.3	46,400
75	48.5	80.9	38,000
80	44.4	75.9	30,900
85	40.0	70.0	24,700
90	35.1	63.1	19,200
110 Ft. BOOM			
23	82.9	116.8	337,800 *
24	82.4	116.6	334,700 *
25	81.8	116.5	331,700 *
26	81.3	116.3	328,900 *
27	80.8	116.1	326,100 *
28	80.3	115.9	315,400
29	79.7	115.7	294,300
30	79.2	115.5	275,400
32	78.1	115.0	243,100
34	77.0	114.6	216,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	194,200
38	74.9	113.4	175,200
40	73.8	112.8	158,900
42	72.7	112.2	144,800
44	71.6	111.5	132,300
46	70.5	110.7	121,300
48	69.4	109.9	111,500
50	68.2	109.1	102,700
55	65.4	106.8	84,200
60	62.4	104.2	69,600
65	59.4	101.2	57,600
70	56.3	97.9	47,700
75	53.0	94.1	39,300
80	49.6	89.9	32,100
85	46.0	85.1	25,900
90	42.2	79.7	20,500
95	38.0	73.4	15,700
100	33.3	66.0	11,500
120 Ft. BOOM			
24	83.0	126.8	326,900 *
25	82.5	126.6	324,300 *
26	82.0	126.4	322,000 *
27	81.6	126.3	319,600 *
28	81.1	126.1	316,900
29	80.6	125.9	295,700
30	80.1	125.7	276,700
32	79.1	125.3	244,300
34	78.1	124.8	217,700
36	77.2	124.4	195,300
38	76.2	123.8	176,300
40	75.2	123.3	160,000
42	74.2	122.7	145,800
44	73.2	122.0	133,300
46	72.2	121.4	122,300
48	71.2	120.6	112,400
50	70.1	119.9	103,600
55	67.6	117.8	85,100
60	64.9	115.5	70,400
65	62.2	112.8	58,400
70	59.5	109.9	48,500
75	56.6	106.6	40,100
80	53.6	102.9	32,900
85	50.6	98.8	26,700
90	47.3	94.2	21,300
95	43.9	89.1	16,500
100	40.2	83.3	12,200

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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			
26	82.7	136.6	313,600 *
27	82.2	136.4	305,900
28	81.8	136.2	283,000
29	81.3	136.1	262,700
30	80.9	135.9	244,600
32	80.0	135.5	213,600
34	79.1	135.1	188,100
36	78.2	134.6	166,800
38	77.3	134.2	148,600
40	76.4	133.6	133,000
42	75.4	133.1	119,400
44	74.5	132.5	107,400
46	73.6	131.9	96,900
48	72.7	131.2	87,500
50	71.7	130.5	79,000
55	69.4	128.7	61,300
60	67.0	126.5	47,200
65	64.5	124.1	35,700
70	62.1	121.5	26,200
75	59.5	118.5	18,200
80	56.9	115.3	11,300
140 Ft. BOOM			
27	82.8	146.5	304,300 *
28	82.4	146.4	284,300
29	81.9	146.2	263,900
30	81.5	146.0	245,700
32	80.7	145.7	214,700
34	79.9	145.3	189,100
36	79.0	144.9	167,700
38	78.2	144.4	149,400
40	77.4	144.0	133,800
42	76.5	143.5	120,100
44	75.7	142.9	108,100
46	74.8	142.3	97,600
48	74.0	141.7	88,100
50	73.1	141.1	79,700
55	70.9	139.4	61,900
60	68.7	137.4	47,700
65	66.5	135.2	36,200
70	64.2	132.8	26,700
75	61.9	130.1	18,600
80	59.5	127.2	11,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	265,800 *
29	82.5	156.3	263,700 *
30	82.1	156.2	246,500
32	81.3	155.8	215,400
34	80.6	155.5	189,800
36	79.8	155.1	168,300
38	79.0	154.7	150,100
40	78.2	154.2	134,400
42	77.4	153.8	120,700
44	76.6	153.3	108,700
46	75.8	152.7	98,100
48	75.1	152.2	88,600
50	74.3	151.6	80,200
55	72.3	150.0	62,400
60	70.2	148.2	48,200
65	68.2	146.2	36,700
70	66.1	143.9	27,100
75	63.9	141.5	19,100
80	61.8	138.8	12,200
160 Ft. BOOM			
29	83.0	166.4	256,800 *
30	82.6	166.3	247,300
32	81.9	166.0	216,100
34	81.1	165.7	190,400
36	80.4	165.3	168,900
38	79.7	164.9	150,600
40	79.0	164.5	134,800
42	78.2	164.0	121,100
44	77.5	163.6	109,100
46	76.8	163.1	98,400
48	76.0	162.6	89,000
50	75.3	162.0	80,500
55	73.4	160.5	62,600
60	71.5	158.8	48,400
65	69.6	157.0	36,900
70	67.7	154.9	27,300
75	65.7	152.6	19,200
80	63.7	150.2	12,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	247,800
32	82.4	176.1	216,600
34	81.7	175.8	190,900
36	81.0	175.5	169,400
38	80.3	175.1	151,100
40	79.6	174.7	135,300
42	78.9	174.3	121,600
44	78.2	173.8	109,600
46	77.5	173.4	98,900
48	76.9	172.9	89,500
50	76.2	172.4	81,000
55	74.4	171.0	63,100
60	72.6	169.4	48,900
65	70.9	167.6	37,400
70	69.1	165.7	27,800
75	67.2	163.6	19,700
80	65.4	161.3	12,800
180 Ft. BOOM			
32	82.8	186.2	217,100
34	82.1	185.9	191,400
36	81.5	185.6	169,800
38	80.9	185.3	151,400
40	80.2	184.9	135,600
42	79.6	184.5	121,900
44	78.9	184.1	109,800
46	78.3	183.6	99,100
48	77.6	183.2	89,600
50	76.9	182.7	81,100
55	75.3	181.4	63,200
60	73.6	179.9	49,000
65	72.0	178.3	37,400
70	70.3	176.5	27,800
75	68.6	174.5	19,700
80	66.8	172.3	12,700



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	169,900
38	81.3	195.4	151,500
40	80.7	195.1	135,700
42	80.1	194.7	121,900
44	79.5	194.3	109,800
46	78.9	193.9	99,200
48	78.3	193.4	89,600
50	77.6	193.0	81,100
55	76.1	191.7	63,200
60	74.5	190.3	48,900
65	72.9	188.8	37,300
70	71.4	187.1	27,700
75	69.7	185.3	19,600
80	68.1	183.2	12,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	170,100
38	81.8	205.5	151,700
40	81.2	205.2	135,800
42	80.6	204.8	122,000
44	80.0	204.5	109,900
46	79.4	204.1	99,200
48	78.9	203.7	89,600
50	78.3	203.2	81,100
55	76.8	202.1	63,100
60	75.3	200.7	48,800
65	73.8	199.3	37,200
70	72.3	197.7	27,500
75	70.8	195.9	19,400
80	69.3	194.0	12,400

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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
80 Ft. BOOM			
20	82.4	86.9	466,300 *
21	81.7	86.7	461,700 *
22	80.9	86.5	457,200 *
23	80.2	86.3	440,900 *
24	79.5	86.1	419,900
25	78.7	85.9	384,300
26	78.0	85.6	353,600
27	77.3	85.4	326,900
28	76.5	85.1	303,300
29	75.8	84.8	282,400
30	75.0	84.5	263,800
32	73.5	83.9	231,900
34	72.0	83.2	205,600
36	70.5	82.4	183,600
38	68.9	81.6	164,900
40	67.3	80.7	148,800
42	65.8	79.8	134,800
44	64.2	78.7	122,600
46	62.5	77.6	111,700
48	60.9	76.5	102,000
50	59.2	75.2	93,300
55	54.8	71.7	75,100
60	50.2	67.6	60,600
65	45.1	62.7	48,800
70	39.6	56.8	38,900
75	33.3	49.4	30,700
90 Ft. BOOM			
21	82.6	96.9	453,200 *
22	81.9	96.7	448,700 *
23	81.3	96.5	441,700 *
24	80.6	96.3	422,400 *
25	80.0	96.1	387,600
26	79.3	95.9	356,800
27	78.7	95.7	330,000
28	78.0	95.4	306,400
29	77.4	95.2	285,400
30	76.7	94.9	266,700
32	75.4	94.4	234,800
34	74.1	93.7	208,500
36	72.7	93.1	186,400
38	71.4	92.4	167,700
40	70.0	91.6	151,500
42	68.6	90.8	137,500
44	67.2	89.9	125,200
46	65.8	88.9	114,300
48	64.4	87.9	104,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
50	63.0	86.8	95,900
55	59.3	83.9	77,600
60	55.4	80.4	63,100
65	51.3	76.5	51,300
70	47.0	71.8	41,400
75	42.3	66.5	33,100
80	37.1	60.0	26,000
100 Ft. BOOM			
22	82.8	106.8	432,000 *
23	82.2	106.7	427,700 *
24	81.6	106.5	422,700 *
25	81.0	106.3	390,300
26	80.4	106.1	359,400
27	79.8	105.9	332,500
28	79.3	105.7	308,800
29	78.7	105.5	287,800
30	78.1	105.2	269,100
32	76.9	104.7	237,000
34	75.7	104.2	210,600
36	74.5	103.6	188,500
38	73.3	103.0	169,700
40	72.1	102.3	153,500
42	70.9	101.5	139,400
44	69.7	100.8	127,100
46	68.4	99.9	116,200
48	67.2	99.0	106,400
50	65.9	98.1	97,700
55	62.7	95.5	79,400
60	59.3	92.5	64,800
65	55.9	89.2	52,900
70	52.3	85.3	43,100
75	48.5	80.9	34,800
80	44.4	75.9	27,700
85	40.0	70.0	21,500
90	35.1	63.1	16,100
110 Ft. BOOM			
23	82.9	116.8	334,200 *
24	82.4	116.6	331,100 *
25	81.8	116.5	328,100 *
26	81.3	116.3	325,200 *
27	80.8	116.1	322,400 *
28	80.3	115.9	310,800
29	79.7	115.7	289,700
30	79.2	115.5	270,900
32	78.1	115.0	238,800
34	77.0	114.6	212,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	190,200
38	74.9	113.4	171,400
40	73.8	112.8	155,100
42	72.7	112.2	141,000
44	71.6	111.5	128,700
46	70.5	110.7	117,700
48	69.4	109.9	108,000
50	68.2	109.1	99,200
55	65.4	106.8	80,900
60	62.4	104.2	66,300
65	59.4	101.2	54,400
70	56.3	97.9	44,500
75	53.0	94.1	36,200
80	49.6	89.9	29,100
85	46.0	85.1	22,900
90	42.2	79.7	17,600
95	38.0	73.4	12,800
120 Ft. BOOM			
24	83.0	126.8	324,000 *
25	82.5	126.6	321,500 *
26	82.0	126.4	319,000 *
27	81.6	126.3	298,500
28	81.1	126.1	275,800
29	80.6	125.9	255,600
30	80.1	125.7	237,600
32	79.1	125.3	206,900
34	78.1	124.8	181,500
36	77.2	124.4	160,300
38	76.2	123.8	142,300
40	75.2	123.3	126,800
42	74.2	122.7	113,200
44	73.2	122.0	101,400
46	72.2	121.4	90,900
48	71.2	120.6	81,600
50	70.1	119.9	73,200
55	67.6	117.8	55,600
60	64.9	115.5	41,600
65	62.2	112.8	30,200
70	59.5	109.9	20,700
75	56.6	106.6	12,800



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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			
26	82.7	136.6	310,200 *
27	82.2	136.4	300,200
28	81.8	136.2	277,400
29	81.3	136.1	257,300
30	80.9	135.9	239,300
32	80.0	135.5	208,500
34	79.1	135.1	183,200
36	78.2	134.6	162,000
38	77.3	134.2	143,900
40	76.4	133.6	128,400
42	75.4	133.1	114,900
44	74.5	132.5	103,000
46	73.6	131.9	92,500
48	72.7	131.2	83,200
50	71.7	130.5	74,800
55	69.4	128.7	57,200
60	67.0	126.5	43,200
65	64.5	124.1	31,800
70	62.1	121.5	22,400
75	59.5	118.5	14,400
140 Ft. BOOM			
27	82.8	146.5	301,000 *
28	82.4	146.4	278,800
29	81.9	146.2	258,600
30	81.5	146.0	240,600
32	80.7	145.7	209,700
34	79.9	145.3	184,300
36	79.0	144.9	163,000
38	78.2	144.4	144,900
40	77.4	144.0	129,300
42	76.5	143.5	115,800
44	75.7	142.9	103,900
46	74.8	142.3	93,400
48	74.0	141.7	84,000
50	73.1	141.1	75,600
55	70.9	139.4	57,900
60	68.7	137.4	43,900
65	66.5	135.2	32,500
70	64.2	132.8	23,000
75	61.9	130.1	15,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	262,600 *
29	82.5	156.3	259,600
30	82.1	156.2	241,500
32	81.3	155.8	210,600
34	80.6	155.5	185,100
36	79.8	155.1	163,800
38	79.0	154.7	145,600
40	78.2	154.2	130,000
42	77.4	153.8	116,500
44	76.6	153.3	104,600
46	75.8	152.7	94,000
48	75.1	152.2	84,600
50	74.3	151.6	76,200
55	72.3	150.0	58,500
60	70.2	148.2	44,500
65	68.2	146.2	33,000
70	66.1	143.9	23,500
75	63.9	141.5	15,500
160 Ft. BOOM			
29	83.0	166.4	253,600 *
30	82.6	166.3	242,300
32	81.9	166.0	211,300
34	81.1	165.7	185,800
36	80.4	165.3	164,400
38	79.7	164.9	146,200
40	79.0	164.5	130,600
42	78.2	164.0	117,000
44	77.5	163.6	105,000
46	76.8	163.1	94,500
48	76.0	162.6	85,000
50	75.3	162.0	76,600
55	73.4	160.5	58,900
60	71.5	158.8	44,800
65	69.6	157.0	33,300
70	67.7	154.9	23,800
75	65.7	152.6	15,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	242,900
32	82.4	176.1	211,900
34	81.7	175.8	186,400
36	81.0	175.5	165,000
38	80.3	175.1	146,800
40	79.6	174.7	131,200
42	78.9	174.3	117,600
44	78.2	173.8	105,600
46	77.5	173.4	95,100
48	76.9	172.9	85,600
50	76.2	172.4	77,200
55	74.4	171.0	59,500
60	72.6	169.4	45,400
65	70.9	167.6	33,900
70	69.1	165.7	24,400
75	67.2	163.6	16,400
180 Ft. BOOM			
32	82.8	186.2	212,500
34	82.1	185.9	186,900
36	81.5	185.6	165,500
38	80.9	185.3	147,200
40	80.2	184.9	131,500
42	79.6	184.5	117,900
44	78.9	184.1	105,900
46	78.3	183.6	95,300
48	77.6	183.2	85,900
50	76.9	182.7	77,400
55	75.3	181.4	59,600
60	73.6	179.9	45,500
65	72.0	178.3	34,000
70	70.3	176.5	24,400
75	68.6	174.5	16,400

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	165,700
38	81.3	195.4	147,400
40	80.7	195.1	131,700
42	80.1	194.7	118,000
44	79.5	194.3	106,000
46	78.9	193.9	95,400
48	78.3	193.4	85,900
50	77.6	193.0	77,500
55	76.1	191.7	59,700
60	74.5	190.3	45,500
65	72.9	188.8	34,000
70	71.4	187.1	24,400
75	69.7	185.3	16,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	165,900
38	81.8	205.5	147,600
40	81.2	205.2	131,900
42	80.6	204.8	118,100
44	80.0	204.5	106,100
46	79.4	204.1	95,500
48	78.9	203.7	86,000
50	78.3	203.2	77,500
55	76.8	202.1	59,600
60	75.3	200.7	45,400
65	73.8	199.3	33,900
70	72.3	197.7	24,300
75	70.8	195.9	16,200



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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
80 Ft. BOOM			
20	82.4	86.9	460,500 *
21	81.7	86.7	455,800 *
22	80.9	86.5	451,200 *
23	80.2	86.3	437,400 *
24	79.5	86.1	413,500
25	78.7	85.9	378,200
26	78.0	85.6	347,700
27	77.3	85.4	321,100
28	76.5	85.1	297,700
29	75.8	84.8	277,000
30	75.0	84.5	258,400
32	73.5	83.9	226,800
34	72.0	83.2	200,700
36	70.5	82.4	178,900
38	68.9	81.6	160,300
40	67.3	80.7	144,300
42	65.8	79.8	130,400
44	64.2	78.7	118,200
46	62.5	77.6	107,400
48	60.9	76.5	97,800
50	59.2	75.2	89,200
55	54.8	71.7	71,100
60	50.2	67.6	56,700
65	45.1	62.7	45,000
70	39.6	56.8	35,300
75	33.3	49.4	27,100
90 Ft. BOOM			
21	82.6	96.9	447,800 *
22	81.9	96.7	443,200 *
23	81.3	96.5	438,300 *
24	80.6	96.3	417,100
25	80.0	96.1	381,700
26	79.3	95.9	351,200
27	78.7	95.7	324,500
28	78.0	95.4	301,100
29	77.4	95.2	280,300
30	76.7	94.9	261,700
32	75.4	94.4	230,000
34	74.1	93.7	203,800
36	72.7	93.1	181,900
38	71.4	92.4	163,300
40	70.0	91.6	147,300
42	68.6	90.8	133,400
44	67.2	89.9	121,100
46	65.8	88.9	110,300
48	64.4	87.9	100,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
50	63.0	86.8	92,100
55	59.3	83.9	73,900
60	55.4	80.4	59,500
65	51.3	76.5	47,700
70	47.0	71.8	38,000
75	42.3	66.5	29,800
80	37.1	60.0	22,800
100 Ft. BOOM			
22	82.8	106.8	427,000 *
23	82.2	106.7	422,600 *
24	81.6	106.5	418,400 *
25	81.0	106.3	384,700
26	80.4	106.1	354,000
27	79.8	105.9	327,300
28	79.3	105.7	303,700
29	78.7	105.5	282,900
30	78.1	105.2	264,200
32	76.9	104.7	232,400
34	75.7	104.2	206,200
36	74.5	103.6	184,200
38	73.3	103.0	165,500
40	72.1	102.3	149,500
42	70.9	101.5	135,500
44	69.7	100.8	123,200
46	68.4	99.9	112,400
48	67.2	99.0	102,700
50	65.9	98.1	94,100
55	62.7	95.5	75,900
60	59.3	92.5	61,400
65	55.9	89.2	49,600
70	52.3	85.3	39,800
75	48.5	80.9	31,600
80	44.4	75.9	24,600
85	40.0	70.0	18,500
90	35.1	63.1	13,100
110 Ft. BOOM			
23	82.9	116.8	330,900 *
24	82.4	116.6	327,700 *
25	81.8	116.5	324,700 *
26	81.3	116.3	315,800
27	80.8	116.1	290,200
28	80.3	115.9	267,800
29	79.7	115.7	247,800
30	79.2	115.5	230,000
32	78.1	115.0	199,600
34	77.0	114.6	174,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	153,600
38	74.9	113.4	135,700
40	73.8	112.8	120,400
42	72.7	112.2	107,000
44	71.6	111.5	95,300
46	70.5	110.7	84,900
48	69.4	109.9	75,700
50	68.2	109.1	67,400
55	65.4	106.8	50,000
60	62.4	104.2	36,200
65	59.4	101.2	24,900
70	56.3	97.9	15,500
120 Ft. BOOM			
24	83.0	126.8	321,300 *
25	82.5	126.6	318,700 *
26	82.0	126.4	316,300 *
27	81.6	126.3	292,300
28	81.1	126.1	269,800
29	80.6	125.9	249,800
30	80.1	125.7	231,900
32	79.1	125.3	201,400
34	78.1	124.8	176,300
36	77.2	124.4	155,300
38	76.2	123.8	137,400
40	75.2	123.3	122,000
42	74.2	122.7	108,600
44	73.2	122.0	96,800
46	72.2	121.4	86,400
48	71.2	120.6	77,200
50	70.1	119.9	68,800
55	67.6	117.8	51,400
60	64.9	115.5	37,500
65	62.2	112.8	26,200
70	59.5	109.9	16,900

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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			
26	82.7	136.6	307,000 *
27	82.2	136.4	294,200
28	81.8	136.2	271,600
29	81.3	136.1	251,600
30	80.9	135.9	233,800
32	80.0	135.5	203,200
34	79.1	135.1	178,100
36	78.2	134.6	157,100
38	77.3	134.2	139,200
40	76.4	133.6	123,800
42	75.4	133.1	110,400
44	74.5	132.5	98,600
46	73.6	131.9	88,200
48	72.7	131.2	78,900
50	71.7	130.5	70,600
55	69.4	128.7	53,200
60	67.0	126.5	39,300
65	64.5	124.1	28,000
70	62.1	121.5	18,700
75	59.5	118.5	10,800
140 Ft. BOOM			
27	82.8	146.5	295,800
28	82.4	146.4	273,100
29	81.9	146.2	253,100
30	81.5	146.0	235,200
32	80.7	145.7	204,600
34	79.9	145.3	179,300
36	79.0	144.9	158,200
38	78.2	144.4	140,300
40	77.4	144.0	124,800
42	76.5	143.5	111,400
44	75.7	142.9	99,600
46	74.8	142.3	89,200
48	74.0	141.7	79,900
50	73.1	141.1	71,500
55	70.9	139.4	54,000
60	68.7	137.4	40,100
65	66.5	135.2	28,800
70	64.2	132.8	19,400
75	61.9	130.1	11,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	259,600 *
29	82.5	156.3	254,200
30	82.1	156.2	236,200
32	81.3	155.8	205,500
34	80.6	155.5	180,300
36	79.8	155.1	159,100
38	79.0	154.7	141,100
40	78.2	154.2	125,700
42	77.4	153.8	112,200
44	76.6	153.3	100,400
46	75.8	152.7	89,900
48	75.1	152.2	80,600
50	74.3	151.6	72,300
55	72.3	150.0	54,700
60	70.2	148.2	40,800
65	68.2	146.2	29,500
70	66.1	143.9	20,100
75	63.9	141.5	12,100
160 Ft. BOOM			
29	83.0	166.4	250,700 *
30	82.6	166.3	237,200
32	81.9	166.0	206,400
34	81.1	165.7	181,100
36	80.4	165.3	159,900
38	79.7	164.9	141,800
40	79.0	164.5	126,300
42	78.2	164.0	112,800
44	77.5	163.6	101,000
46	76.8	163.1	90,500
48	76.0	162.6	81,100
50	75.3	162.0	72,800
55	73.4	160.5	55,200
60	71.5	158.8	41,200
65	69.6	157.0	29,800
70	67.7	154.9	20,400
75	65.7	152.6	12,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	237,900
32	82.4	176.1	207,100
34	81.7	175.8	181,800
36	81.0	175.5	160,500
38	80.3	175.1	142,500
40	79.6	174.7	127,000
42	78.9	174.3	113,500
44	78.2	173.8	101,600
46	77.5	173.4	91,200
48	76.9	172.9	81,800
50	76.2	172.4	73,500
55	74.4	171.0	55,900
60	72.6	169.4	41,900
65	70.9	167.6	30,500
70	69.1	165.7	21,100
75	67.2	163.6	13,100
180 Ft. BOOM			
32	82.8	186.2	207,800
34	82.1	185.9	182,400
36	81.5	185.6	161,100
38	80.9	185.3	143,000
40	80.2	184.9	127,400
42	79.6	184.5	113,900
44	78.9	184.1	102,000
46	78.3	183.6	91,500
48	77.6	183.2	82,100
50	76.9	182.7	73,700
55	75.3	181.4	56,100
60	73.6	179.9	42,100
65	72.0	178.3	30,700
70	70.3	176.5	21,200
75	68.6	174.5	13,200



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	161,400
38	81.3	195.4	143,300
40	80.7	195.1	127,700
42	80.1	194.7	114,100
44	79.5	194.3	102,200
46	78.9	193.9	91,700
48	78.3	193.4	82,300
50	77.6	193.0	73,900
55	76.1	191.7	56,200
60	74.5	190.3	42,200
65	72.9	188.8	30,800
70	71.4	187.1	21,300
75	69.7	185.3	13,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	161,700
38	81.8	205.5	143,500
40	81.2	205.2	127,900
42	80.6	204.8	114,300
44	80.0	204.5	102,400
46	79.4	204.1	91,800
48	78.9	203.7	82,400
50	78.3	203.2	74,000
55	76.8	202.1	56,200
60	75.3	200.7	42,200
65	73.8	199.3	30,700
70	72.3	197.7	21,200
75	70.8	195.9	13,200

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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
80 Ft. BOOM			
20	82.4	86.9	453,900 *
21	81.7	86.7	449,100 *
22	80.9	86.5	444,400 *
23	80.2	86.3	433,600 *
24	79.5	86.1	406,900
25	78.7	85.9	371,800
26	78.0	85.6	341,600
27	77.3	85.4	315,100
28	76.5	85.1	291,900
29	75.8	84.8	271,300
30	75.0	84.5	252,900
32	73.5	83.9	221,500
34	72.0	83.2	195,600
36	70.5	82.4	173,900
38	68.9	81.6	155,400
40	67.3	80.7	139,500
42	65.8	79.8	125,700
44	64.2	78.7	113,600
46	62.5	77.6	102,900
48	60.9	76.5	93,400
50	59.2	75.2	84,800
55	54.8	71.7	66,800
60	50.2	67.6	52,600
65	45.1	62.7	41,000
70	39.6	56.8	31,300
75	33.3	49.4	23,200
90 Ft. BOOM			
21	82.6	96.9	441,600 *
22	81.9	96.7	436,900 *
23	81.3	96.5	432,300 *
24	80.6	96.3	410,900
25	80.0	96.1	375,700
26	79.3	95.9	345,300
27	78.7	95.7	318,900
28	78.0	95.4	295,600
29	77.4	95.2	274,900
30	76.7	94.9	256,500
32	75.4	94.4	224,900
34	74.1	93.7	198,900
36	72.7	93.1	177,200
38	71.4	92.4	158,700
40	70.0	91.6	142,800
42	68.6	90.8	129,000
44	67.2	89.9	116,800
46	65.8	88.9	106,100
48	64.4	87.9	96,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
50	63.0	86.8	87,900
55	59.3	83.9	69,900
60	55.4	80.4	55,600
65	51.3	76.5	43,900
70	47.0	71.8	34,300
75	42.3	66.5	26,100
80	37.1	60.0	19,200
100 Ft. BOOM			
22	82.8	106.8	421,200 *
23	82.2	106.7	408,100
24	81.6	106.5	368,700
25	81.0	106.3	335,100
26	80.4	106.1	306,100
27	79.8	105.9	280,800
28	79.3	105.7	258,600
29	78.7	105.5	238,800
30	78.1	105.2	221,200
32	76.9	104.7	191,100
34	75.7	104.2	166,300
36	74.5	103.6	145,500
38	73.3	103.0	127,800
40	72.1	102.3	112,600
42	70.9	101.5	99,400
44	69.7	100.8	87,800
46	68.4	99.9	77,500
48	67.2	99.0	68,400
50	65.9	98.1	60,200
55	62.7	95.5	42,900
60	59.3	92.5	29,300
65	55.9	89.2	18,100
110 Ft. BOOM			
23	82.9	116.8	327,100 *
24	82.4	116.6	323,900 *
25	81.8	116.5	320,800 *
26	81.3	116.3	309,000
27	80.8	116.1	283,700
28	80.3	115.9	261,300
29	79.7	115.7	241,600
30	79.2	115.5	223,900
32	78.1	115.0	193,700
34	77.0	114.6	168,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	148,000
38	74.9	113.4	130,300
40	73.8	112.8	115,100
42	72.7	112.2	101,800
44	71.6	111.5	90,200
46	70.5	110.7	79,900
48	69.4	109.9	70,700
50	68.2	109.1	62,500
55	65.4	106.8	45,300
60	62.4	104.2	31,600
65	59.4	101.2	20,400
70	56.3	97.9	11,100
120 Ft. BOOM			
24	83.0	126.8	318,100 *
25	82.5	126.6	315,600 *
26	82.0	126.4	311,400
27	81.6	126.3	285,900
28	81.1	126.1	263,600
29	80.6	125.9	243,700
30	80.1	125.7	226,000
32	79.1	125.3	195,700
34	78.1	124.8	170,800
36	77.2	124.4	149,900
38	76.2	123.8	132,200
40	75.2	123.3	116,900
42	74.2	122.7	103,600
44	73.2	122.0	91,900
46	72.2	121.4	81,600
48	71.2	120.6	72,400
50	70.1	119.9	64,200
55	67.6	117.8	46,900
60	64.9	115.5	33,100
65	62.2	112.8	21,900
70	59.5	109.9	12,600



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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			
26	82.7	136.6	303,400 *
27	82.2	136.4	288,000
28	81.8	136.2	265,600
29	81.3	136.1	245,700
30	80.9	135.9	228,000
32	80.0	135.5	197,700
34	79.1	135.1	172,800
36	78.2	134.6	151,900
38	77.3	134.2	134,100
40	76.4	133.6	118,800
42	75.4	133.1	105,500
44	74.5	132.5	93,900
46	73.6	131.9	83,600
48	72.7	131.2	74,400
50	71.7	130.5	66,100
55	69.4	128.7	48,800
60	67.0	126.5	35,100
65	64.5	124.1	23,900
70	62.1	121.5	14,600
140 Ft. BOOM			
27	82.8	146.5	289,700
28	82.4	146.4	267,300
29	81.9	146.2	247,300
30	81.5	146.0	229,600
32	80.7	145.7	199,200
34	79.9	145.3	174,200
36	79.0	144.9	153,200
38	78.2	144.4	135,400
40	77.4	144.0	120,000
42	76.5	143.5	106,700
44	75.7	142.9	95,000
46	74.8	142.3	84,700
48	74.0	141.7	75,400
50	73.1	141.1	67,200
55	70.9	139.4	49,800
60	68.7	137.4	36,000
65	66.5	135.2	24,800
70	64.2	132.8	15,500
150 Ft. BOOM			
28	82.9	156.5	256,100 *
29	82.5	156.3	248,600
30	82.1	156.2	230,700
32	81.3	155.8	200,300
34	80.6	155.5	175,200
36	79.8	155.1	154,200
38	79.0	154.7	136,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
40	78.2	154.2	121,000
42	77.4	153.8	107,600
44	76.6	153.3	95,900
46	75.8	152.7	85,600
48	75.1	152.2	76,300
50	74.3	151.6	68,000
55	72.3	150.0	50,600
60	70.2	148.2	36,800
65	68.2	146.2	25,600
70	66.1	143.9	16,200
160 Ft. BOOM			
29	83.0	166.4	247,300 *
30	82.6	166.3	231,800
32	81.9	166.0	201,300
34	81.1	165.7	176,100
36	80.4	165.3	155,100
38	79.7	164.9	137,200
40	79.0	164.5	121,800
42	78.2	164.0	108,400
44	77.5	163.6	96,600
46	76.8	163.1	86,200
48	76.0	162.6	76,900
50	75.3	162.0	68,600
55	73.4	160.5	51,200
60	71.5	158.8	37,300
65	69.6	157.0	26,000
70	67.7	154.9	16,700
170 Ft. BOOM			
30	83.0	176.4	232,600
32	82.4	176.1	202,100
34	81.7	175.8	176,900
36	81.0	175.5	155,800
38	80.3	175.1	137,900
40	79.6	174.7	122,500
42	78.9	174.3	109,100
44	78.2	173.8	97,400
46	77.5	173.4	87,000
48	76.9	172.9	77,700
50	76.2	172.4	69,400
55	74.4	171.0	52,000
60	72.6	169.4	38,100
65	70.9	167.6	26,800
70	69.1	165.7	17,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	202,800
34	82.1	185.9	177,600
36	81.5	185.6	156,500
38	80.9	185.3	138,500
40	80.2	184.9	123,100
42	79.6	184.5	109,600
44	78.9	184.1	97,800
46	78.3	183.6	87,400
48	77.6	183.2	78,100
50	76.9	182.7	69,800
55	75.3	181.4	52,300
60	73.6	179.9	38,400
65	72.0	178.3	27,100
70	70.3	176.5	17,700
190 Ft. BOOM			
34	82.6	196.0	178,000
36	81.9	195.7	156,800
38	81.3	195.4	138,900
40	80.7	195.1	123,400
42	80.1	194.7	109,900
44	79.5	194.3	98,100
46	78.9	193.9	87,700
48	78.3	193.4	78,300
50	77.6	193.0	70,000
55	76.1	191.7	52,500
60	74.5	190.3	38,500
65	72.9	188.8	27,200
70	71.4	187.1	17,800

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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
80 Ft. BOOM			
20	82.4	86.9	448,600 *
21	81.7	86.7	443,600 *
22	80.9	86.5	438,700 *
23	80.2	86.3	430,500 *
24	79.5	86.1	400,900
25	78.7	85.9	366,000
26	78.0	85.6	336,000
27	77.3	85.4	309,800
28	76.5	85.1	286,700
29	75.8	84.8	266,300
30	75.0	84.5	248,000
32	73.5	83.9	216,800
34	72.0	83.2	191,100
36	70.5	82.4	169,600
38	68.9	81.6	151,300
40	67.3	80.7	135,500
42	65.8	79.8	121,800
44	64.2	78.7	109,800
46	62.5	77.6	99,200
48	60.9	76.5	89,700
50	59.2	75.2	81,200
55	54.8	71.7	63,400
60	50.2	67.6	49,200
65	45.1	62.7	37,700
70	39.6	56.8	28,200
75	33.3	49.4	20,200
90 Ft. BOOM			
21	82.6	96.9	435,900 *
22	81.9	96.7	431,000 *
23	81.3	96.5	396,700
24	80.6	96.3	357,800
25	80.0	96.1	324,600
26	79.3	95.9	295,900
27	78.7	95.7	270,900
28	78.0	95.4	248,900
29	77.4	95.2	229,400
30	76.7	94.9	212,000
32	75.4	94.4	182,200
34	74.1	93.7	157,700
36	72.7	93.1	137,200
38	71.4	92.4	119,800
40	70.0	91.6	104,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	91,700
44	67.2	89.9	80,300
46	65.8	88.9	70,100
48	64.4	87.9	61,100
50	63.0	86.8	53,000
55	59.3	83.9	36,000
60	55.4	80.4	22,500
65	51.3	76.5	11,500
100 Ft. BOOM			
22	82.8	106.8	415,800 *
23	82.2	106.7	400,900
24	81.6	106.5	361,900
25	81.0	106.3	328,600
26	80.4	106.1	299,800
27	79.8	105.9	274,700
28	79.3	105.7	252,600
29	78.7	105.5	233,100
30	78.1	105.2	215,600
32	76.9	104.7	185,700
34	75.7	104.2	161,100
36	74.5	103.6	140,500
38	73.3	103.0	123,000
40	72.1	102.3	108,000
42	70.9	101.5	94,900
44	69.7	100.8	83,400
46	68.4	99.9	73,200
48	67.2	99.0	64,200
50	65.9	98.1	56,000
55	62.7	95.5	39,000
60	59.3	92.5	25,400
65	55.9	89.2	14,400
110 Ft. BOOM			
23	82.9	116.8	323,600 *
24	82.4	116.6	320,400 *
25	81.8	116.5	317,300 *
26	81.3	116.3	302,900
27	80.8	116.1	277,800
28	80.3	115.9	255,600
29	79.7	115.7	236,000
30	79.2	115.5	218,500
32	78.1	115.0	188,600
34	77.0	114.6	163,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	143,300
38	74.9	113.4	125,700
40	73.8	112.8	110,700
42	72.7	112.2	97,500
44	71.6	111.5	86,000
46	70.5	110.7	75,800
48	69.4	109.9	66,700
50	68.2	109.1	58,600
55	65.4	106.8	41,500
60	62.4	104.2	27,900
65	59.4	101.2	16,900
120 Ft. BOOM			
24	83.0	126.8	315,900 *
25	82.5	126.6	313,300 *
26	82.0	126.4	305,400
27	81.6	126.3	280,200
28	81.1	126.1	258,000
29	80.6	125.9	238,400
30	80.1	125.7	220,800
32	79.1	125.3	190,800
34	78.1	124.8	166,100
36	77.2	124.4	145,400
38	76.2	123.8	127,800
40	75.2	123.3	112,600
42	74.2	122.7	99,500
44	73.2	122.0	87,900
46	72.2	121.4	77,700
48	71.2	120.6	68,600
50	70.1	119.9	60,400
55	67.6	117.8	43,300
60	64.9	115.5	29,700
65	62.2	112.8	18,600



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
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			
26	82.7	136.6	300,200 *
27	82.2	136.4	282,400
28	81.8	136.2	260,200
29	81.3	136.1	240,500
30	80.9	135.9	223,000
32	80.0	135.5	192,900
34	79.1	135.1	168,200
36	78.2	134.6	147,500
38	77.3	134.2	129,900
40	76.4	133.6	114,700
42	75.4	133.1	101,600
44	74.5	132.5	90,000
46	73.6	131.9	79,800
48	72.7	131.2	70,700
50	71.7	130.5	62,500
55	69.4	128.7	45,400
60	67.0	126.5	31,700
65	64.5	124.1	20,700
70	62.1	121.5	11,500
140 Ft. BOOM			
27	82.8	146.5	284,300
28	82.4	146.4	262,000
29	81.9	146.2	242,300
30	81.5	146.0	224,600
32	80.7	145.7	194,500
34	79.9	145.3	169,700
36	79.0	144.9	148,900
38	78.2	144.4	131,300
40	77.4	144.0	116,100
42	76.5	143.5	102,900
44	75.7	142.9	91,300
46	74.8	142.3	81,000
48	74.0	141.7	71,900
50	73.1	141.1	63,700
55	70.9	139.4	46,500
60	68.7	137.4	32,800
65	66.5	135.2	21,700
70	64.2	132.8	12,500
150 Ft. BOOM			
28	82.9	156.5	253,100 *
29	82.5	156.3	243,600
30	82.1	156.2	225,900
32	81.3	155.8	195,700
34	80.6	155.5	170,900
36	79.8	155.1	150,100
38	79.0	154.7	132,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
40	78.2	154.2	117,100
42	77.4	153.8	103,900
44	76.6	153.3	92,300
46	75.8	152.7	82,000
48	75.1	152.2	72,900
50	74.3	151.6	64,600
55	72.3	150.0	47,400
60	70.2	148.2	33,700
65	68.2	146.2	22,600
70	66.1	143.9	13,300
160 Ft. BOOM			
29	83.0	166.4	244,300 *
30	82.6	166.3	227,100
32	81.9	166.0	196,800
34	81.1	165.7	171,900
36	80.4	165.3	151,000
38	79.7	164.9	133,300
40	79.0	164.5	118,000
42	78.2	164.0	104,700
44	77.5	163.6	93,100
46	76.8	163.1	82,800
48	76.0	162.6	73,600
50	75.3	162.0	65,300
55	73.4	160.5	48,100
60	71.5	158.8	34,300
65	69.6	157.0	23,100
70	67.7	154.9	13,900
170 Ft. BOOM			
30	83.0	176.4	228,000
32	82.4	176.1	197,700
34	81.7	175.8	172,800
36	81.0	175.5	151,900
38	80.3	175.1	134,100
40	79.6	174.7	118,900
42	78.9	174.3	105,600
44	78.2	173.8	93,900
46	77.5	173.4	83,600
48	76.9	172.9	74,400
50	76.2	172.4	66,200
55	74.4	171.0	48,900
60	72.6	169.4	35,200
65	70.9	167.6	24,000
70	69.1	165.7	14,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	198,500
34	82.1	185.9	173,500
36	81.5	185.6	152,600
38	80.9	185.3	134,800
40	80.2	184.9	119,500
42	79.6	184.5	106,100
44	78.9	184.1	94,500
46	78.3	183.6	84,100
48	77.6	183.2	74,900
50	76.9	182.7	66,700
55	75.3	181.4	49,300
60	73.6	179.9	35,500
65	72.0	178.3	24,300
70	70.3	176.5	15,000
190 Ft. BOOM			
34	82.6	196.0	174,000
36	81.9	195.7	153,000
38	81.3	195.4	135,200
40	80.7	195.1	119,800
42	80.1	194.7	106,500
44	79.5	194.3	94,800
46	78.9	193.9	84,400
48	78.3	193.4	75,200
50	77.6	193.0	66,900
55	76.1	191.7	49,600
60	74.5	190.3	35,800
65	72.9	188.8	24,500
70	71.4	187.1	15,200

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
360 Degree Rating

180 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
80 Ft. BOOM			
20	82.4	86.9	441,700 *
21	81.7	86.7	436,600 *
22	80.9	86.5	428,200
23	80.2	86.3	382,500
24	79.5	86.1	344,000
25	78.7	85.9	311,200
26	78.0	85.6	282,900
27	77.3	85.4	258,100
28	76.5	85.1	236,400
29	75.8	84.8	217,100
30	75.0	84.5	199,900
32	73.5	83.9	170,500
34	72.0	83.2	146,200
36	70.5	82.4	125,900
38	68.9	81.6	108,700
40	67.3	80.7	93,900
42	65.8	79.8	81,000
44	64.2	78.7	69,600
46	62.5	77.6	59,600
48	60.9	76.5	50,700
50	59.2	75.2	42,700
55	54.8	71.7	26,000
60	50.2	67.6	12,600
90 Ft. BOOM			
21	82.6	96.9	430,200 *
22	81.9	96.7	425,200 *
23	81.3	96.5	388,100
24	80.6	96.3	349,500
25	80.0	96.1	316,600
26	79.3	95.9	288,100
27	78.7	95.7	263,300
28	78.0	95.4	241,500
29	77.4	95.2	222,200
30	76.7	94.9	204,900
32	75.4	94.4	175,400
34	74.1	93.7	151,100
36	72.7	93.1	130,800
38	71.4	92.4	113,500
40	70.0	91.6	98,600
42	68.6	90.8	85,700
44	67.2	89.9	74,300
46	65.8	88.9	64,300
48	64.4	87.9	55,400
50	63.0	86.8	47,300
55	59.3	83.9	30,500
60	55.4	80.4	17,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
22	82.8	106.8	410,600 *
23	82.2	106.7	392,600
24	81.6	106.5	353,900
25	81.0	106.3	320,900
26	80.4	106.1	292,400
27	79.8	105.9	267,500
28	79.3	105.7	245,600
29	78.7	105.5	226,200
30	78.1	105.2	208,900
32	76.9	104.7	179,200
34	75.7	104.2	154,900
36	74.5	103.6	134,400
38	73.3	103.0	117,100
40	72.1	102.3	102,200
42	70.9	101.5	89,200
44	69.7	100.8	77,800
46	68.4	99.9	67,700
48	67.2	99.0	58,700
50	65.9	98.1	50,700
55	62.7	95.5	33,800
60	59.3	92.5	20,400
110 Ft. BOOM			
23	82.9	116.8	320,200 *
24	82.4	116.6	317,000 *
25	81.8	116.5	313,800 *
26	81.3	116.3	295,700
27	80.8	116.1	270,800
28	80.3	115.9	248,800
29	79.7	115.7	229,400
30	79.2	115.5	212,000
32	78.1	115.0	182,300
34	77.0	114.6	157,900
36	76.0	114.0	137,400
38	74.9	113.4	120,000
40	73.8	112.8	105,100
42	72.7	112.2	92,100
44	71.6	111.5	80,700
46	70.5	110.7	70,600
48	69.4	109.9	61,600
50	68.2	109.1	53,500
55	65.4	106.8	36,600
60	62.4	104.2	23,100
65	59.4	101.2	12,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	312,700 *
25	82.5	126.6	310,100 *
26	82.0	126.4	298,500
27	81.6	126.3	273,500
28	81.1	126.1	251,500
29	80.6	125.9	232,000
30	80.1	125.7	214,500
32	79.1	125.3	184,800
34	78.1	124.8	160,300
36	77.2	124.4	139,700
38	76.2	123.8	122,300
40	75.2	123.3	107,300
42	74.2	122.7	94,200
44	73.2	122.0	82,800
46	72.2	121.4	72,600
48	71.2	120.6	63,600
50	70.1	119.9	55,500
55	67.6	117.8	38,500
60	64.9	115.5	25,000
65	62.2	112.8	14,100
130 Ft. BOOM			
26	82.7	136.6	297,000 *
27	82.2	136.4	275,800
28	81.8	136.2	253,800
29	81.3	136.1	234,300
30	80.9	135.9	216,900
32	80.0	135.5	187,100
34	79.1	135.1	162,600
36	78.2	134.6	142,000
38	77.3	134.2	124,600
40	76.4	133.6	109,600
42	75.4	133.1	96,500
44	74.5	132.5	85,000
46	73.6	131.9	74,900
48	72.7	131.2	65,900
50	71.7	130.5	57,800
55	69.4	128.7	40,800
60	67.0	126.5	27,300
65	64.5	124.1	16,300



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
360 Degree Rating

180 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
140 Ft. BOOM			
27	82.8	146.5	277,900
28	82.4	146.4	255,800
29	81.9	146.2	236,200
30	81.5	146.0	218,700
32	80.7	145.7	188,800
34	79.9	145.3	164,200
36	79.0	144.9	143,600
38	78.2	144.4	126,100
40	77.4	144.0	111,000
42	76.5	143.5	97,900
44	75.7	142.9	86,400
46	74.8	142.3	76,300
48	74.0	141.7	67,200
50	73.1	141.1	59,100
55	70.9	139.4	42,000
60	68.7	137.4	28,500
65	66.5	135.2	17,500
150 Ft. BOOM			
28	82.9	156.5	250,000 *
29	82.5	156.3	237,700
30	82.1	156.2	220,100
32	81.3	155.8	190,200
34	80.6	155.5	165,500
36	79.8	155.1	144,900
38	79.0	154.7	127,300
40	78.2	154.2	112,200
42	77.4	153.8	99,100
44	76.6	153.3	87,600
46	75.8	152.7	77,400
48	75.1	152.2	68,300
50	74.3	151.6	60,200
55	72.3	150.0	43,100
60	70.2	148.2	29,500
65	68.2	146.2	18,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	239,000
30	82.6	166.3	221,400
32	81.9	166.0	191,400
34	81.1	165.7	166,700
36	80.4	165.3	146,000
38	79.7	164.9	128,400
40	79.0	164.5	113,200
42	78.2	164.0	100,000
44	77.5	163.6	88,500
46	76.8	163.1	78,300
48	76.0	162.6	69,200
50	75.3	162.0	61,000
55	73.4	160.5	43,900
60	71.5	158.8	30,300
65	69.6	157.0	19,200
70	67.7	154.9	10,000
170 Ft. BOOM			
30	83.0	176.4	222,400
32	82.4	176.1	192,400
34	81.7	175.8	167,600
36	81.0	175.5	146,900
38	80.3	175.1	129,300
40	79.6	174.7	114,200
42	78.9	174.3	101,000
44	78.2	173.8	89,500
46	77.5	173.4	79,200
48	76.9	172.9	70,100
50	76.2	172.4	62,000
55	74.4	171.0	44,800
60	72.6	169.4	31,200
65	70.9	167.6	20,100
70	69.1	165.7	11,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	193,300
34	82.1	185.9	168,500
36	81.5	185.6	147,700
38	80.9	185.3	130,100
40	80.2	184.9	114,900
42	79.6	184.5	101,700
44	78.9	184.1	90,100
46	78.3	183.6	79,800
48	77.6	183.2	70,700
50	76.9	182.7	62,500
55	75.3	181.4	45,300
60	73.6	179.9	31,700
65	72.0	178.3	20,500
70	70.3	176.5	11,300
190 Ft. BOOM			
34	82.6	196.0	169,100
36	81.9	195.7	148,200
38	81.3	195.4	130,600
40	80.7	195.1	115,300
42	80.1	194.7	102,100
44	79.5	194.3	90,500
46	78.9	193.9	80,200
48	78.3	193.4	71,100
50	77.6	193.0	62,900
55	76.1	191.7	45,600
60	74.5	190.3	32,000
65	72.9	188.8	20,800
70	71.4	187.1	11,600

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
360 Degree Rating

190 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
80 Ft. BOOM			
20	82.4	86.9	435,000 *
21	81.7	86.7	429,700 *
22	80.9	86.5	418,600
23	80.2	86.3	373,300
24	79.5	86.1	335,200
25	78.7	85.9	302,600
26	78.0	85.6	274,600
27	77.3	85.4	250,100
28	76.5	85.1	228,500
29	75.8	84.8	209,400
30	75.0	84.5	192,400
32	73.5	83.9	163,300
34	72.0	83.2	139,300
36	70.5	82.4	119,200
38	68.9	81.6	102,100
40	67.3	80.7	87,400
42	65.8	79.8	74,700
44	64.2	78.7	63,500
46	62.5	77.6	53,600
48	60.9	76.5	44,700
50	59.2	75.2	36,800
55	54.8	71.7	20,300
90 Ft. BOOM			
21	82.6	96.9	423,900 *
22	81.9	96.7	418,800 *
23	81.3	96.5	379,200
24	80.6	96.3	341,000
25	80.0	96.1	308,400
26	79.3	95.9	280,200
27	78.7	95.7	255,700
28	78.0	95.4	234,100
29	77.4	95.2	214,900
30	76.7	94.9	197,800
32	75.4	94.4	168,600
34	74.1	93.7	144,600
36	72.7	93.1	124,400
38	71.4	92.4	107,300
40	70.0	91.6	92,600
42	68.6	90.8	79,800
44	67.2	89.9	68,500
46	65.8	88.9	58,600
48	64.4	87.9	49,800
50	63.0	86.8	41,800
55	59.3	83.9	25,200
60	55.4	80.4	12,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
22	82.8	106.8	404,700 *
23	82.2	106.7	384,100
24	81.6	106.5	345,800
25	81.0	106.3	313,000
26	80.4	106.1	284,800
27	79.8	105.9	260,100
28	79.3	105.7	238,400
29	78.7	105.5	219,200
30	78.1	105.2	202,100
32	76.9	104.7	172,700
34	75.7	104.2	148,600
36	74.5	103.6	128,400
38	73.3	103.0	111,200
40	72.1	102.3	96,400
42	70.9	101.5	83,600
44	69.7	100.8	72,300
46	68.4	99.9	62,300
48	67.2	99.0	53,400
50	65.9	98.1	45,500
55	62.7	95.5	28,700
60	59.3	92.5	15,500
110 Ft. BOOM			
23	82.9	116.8	316,500 *
24	82.4	116.6	313,200 *
25	81.8	116.5	310,000 *
26	81.3	116.3	288,400
27	80.8	116.1	263,700
28	80.3	115.9	242,000
29	79.7	115.7	222,700
30	79.2	115.5	205,500
32	78.1	115.0	176,100
34	77.0	114.6	151,900
36	76.0	114.0	131,600
38	74.9	113.4	114,400
40	73.8	112.8	99,600
42	72.7	112.2	86,700
44	71.6	111.5	75,400
46	70.5	110.7	65,400
48	69.4	109.9	56,500
50	68.2	109.1	48,500
55	65.4	106.8	31,800
60	62.4	104.2	18,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	309,600 *
25	82.5	126.6	306,900 *
26	82.0	126.4	291,400
27	81.6	126.3	266,600
28	81.1	126.1	244,800
29	80.6	125.9	225,500
30	80.1	125.7	208,200
32	79.1	125.3	178,700
34	78.1	124.8	154,500
36	77.2	124.4	134,100
38	76.2	123.8	116,800
40	75.2	123.3	102,000
42	74.2	122.7	89,100
44	73.2	122.0	77,700
46	72.2	121.4	67,700
48	71.2	120.6	58,800
50	70.1	119.9	50,700
55	67.6	117.8	33,900
60	64.9	115.5	20,600
130 Ft. BOOM			
26	82.7	136.6	294,000
27	82.2	136.4	269,200
28	81.8	136.2	247,400
29	81.3	136.1	228,000
30	80.9	135.9	210,700
32	80.0	135.5	181,200
34	79.1	135.1	157,000
36	78.2	134.6	136,600
38	77.3	134.2	119,300
40	76.4	133.6	104,400
42	75.4	133.1	91,500
44	74.5	132.5	80,200
46	73.6	131.9	70,100
48	72.7	131.2	61,200
50	71.7	130.5	53,200
55	69.4	128.7	36,400
60	67.0	126.5	23,000
65	64.5	124.1	12,100



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
360 Degree Rating

190 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
140 Ft. BOOM			
27	82.8	146.5	271,400
28	82.4	146.4	249,500
29	81.9	146.2	230,100
30	81.5	146.0	212,700
32	80.7	145.7	183,100
34	79.9	145.3	158,800
36	79.0	144.9	138,400
38	78.2	144.4	121,000
40	77.4	144.0	106,100
42	76.5	143.5	93,100
44	75.7	142.9	81,700
46	74.8	142.3	71,700
48	74.0	141.7	62,700
50	73.1	141.1	54,600
55	70.9	139.4	37,800
60	68.7	137.4	24,400
65	66.5	135.2	13,500
150 Ft. BOOM			
28	82.9	156.5	246,600 *
29	82.5	156.3	231,700
30	82.1	156.2	214,300
32	81.3	155.8	184,600
34	80.6	155.5	160,200
36	79.8	155.1	139,800
38	79.0	154.7	122,400
40	78.2	154.2	107,400
42	77.4	153.8	94,400
44	76.6	153.3	83,000
46	75.8	152.7	72,900
48	75.1	152.2	63,900
50	74.3	151.6	55,900
55	72.3	150.0	39,000
60	70.2	148.2	25,500
65	68.2	146.2	14,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	233,100
30	82.6	166.3	215,700
32	81.9	166.0	186,000
34	81.1	165.7	161,500
36	80.4	165.3	140,900
38	79.7	164.9	123,500
40	79.0	164.5	108,500
42	78.2	164.0	95,500
44	77.5	163.6	84,000
46	76.8	163.1	73,900
48	76.0	162.6	64,900
50	75.3	162.0	56,800
55	73.4	160.5	39,800
60	71.5	158.8	26,400
65	69.6	157.0	15,400
170 Ft. BOOM			
30	83.0	176.4	216,800
32	82.4	176.1	187,000
34	81.7	175.8	162,500
36	81.0	175.5	142,000
38	80.3	175.1	124,600
40	79.6	174.7	109,600
42	78.9	174.3	96,500
44	78.2	173.8	85,100
46	77.5	173.4	75,000
48	76.9	172.9	66,000
50	76.2	172.4	57,900
55	74.4	171.0	40,900
60	72.6	169.4	27,400
65	70.9	167.6	16,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	188,100
34	82.1	185.9	163,500
36	81.5	185.6	142,900
38	80.9	185.3	125,400
40	80.2	184.9	110,400
42	79.6	184.5	97,300
44	78.9	184.1	85,800
46	78.3	183.6	75,700
48	77.6	183.2	66,600
50	76.9	182.7	58,500
55	75.3	181.4	41,500
60	73.6	179.9	27,900
65	72.0	178.3	16,900
190 Ft. BOOM			
34	82.6	196.0	164,100
36	81.9	195.7	143,500
38	81.3	195.4	126,000
40	80.7	195.1	110,900
42	80.1	194.7	97,800
44	79.5	194.3	86,300
46	78.9	193.9	76,100
48	78.3	193.4	67,100
50	77.6	193.0	58,900
55	76.1	191.7	41,900
60	74.5	190.3	28,300
65	72.9	188.8	17,300

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
360 Degree Rating

200 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
80 Ft. BOOM			
20	82.4	86.9	427,600 *
21	81.7	86.7	422,100 *
22	80.9	86.5	408,400
23	80.2	86.3	363,600
24	79.5	86.1	325,800
25	78.7	85.9	293,600
26	78.0	85.6	265,800
27	77.3	85.4	241,500
28	76.5	85.1	220,200
29	75.8	84.8	201,300
30	75.0	84.5	184,400
32	73.5	83.9	155,500
34	72.0	83.2	131,800
36	70.5	82.4	111,900
38	68.9	81.6	95,000
40	67.3	80.7	80,500
42	65.8	79.8	67,800
44	64.2	78.7	56,700
46	62.5	77.6	47,000
48	60.9	76.5	38,200
50	59.2	75.2	30,400
55	54.8	71.7	14,000
90 Ft. BOOM			
21	82.6	96.9	416,900 *
22	81.9	96.7	411,700 *
23	81.3	96.5	370,000
24	80.6	96.3	332,100
25	80.0	96.1	299,800
26	79.3	95.9	271,900
27	78.7	95.7	247,600
28	78.0	95.4	226,200
29	77.4	95.2	207,200
30	76.7	94.9	190,300
32	75.4	94.4	161,300
34	74.1	93.7	137,500
36	72.7	93.1	117,500
38	71.4	92.4	100,600
40	70.0	91.6	86,000
42	68.6	90.8	73,300
44	67.2	89.9	62,200
46	65.8	88.9	52,400
48	64.4	87.9	43,600
50	63.0	86.8	35,800
55	59.3	83.9	19,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
22	82.8	106.8	398,200 *
23	82.2	106.7	375,200
24	81.6	106.5	337,200
25	81.0	106.3	304,800
26	80.4	106.1	276,800
27	79.8	105.9	252,400
28	79.3	105.7	230,900
29	78.7	105.5	211,800
30	78.1	105.2	194,800
32	76.9	104.7	165,800
34	75.7	104.2	141,900
36	74.5	103.6	121,800
38	73.3	103.0	104,800
40	72.1	102.3	90,200
42	70.9	101.5	77,500
44	69.7	100.8	66,300
46	68.4	99.9	56,400
48	67.2	99.0	47,600
50	65.9	98.1	39,700
55	62.7	95.5	23,200
60	59.3	92.5	10,100
110 Ft. BOOM			
23	82.9	116.8	312,200 *
24	82.4	116.6	308,900 *
25	81.8	116.5	305,700 *
26	81.3	116.3	280,700
27	80.8	116.1	256,200
28	80.3	115.9	234,700
29	79.7	115.7	215,600
30	79.2	115.5	198,500
32	78.1	115.0	169,400
34	77.0	114.6	145,400
36	76.0	114.0	125,400
38	74.9	113.4	108,300
40	73.8	112.8	93,600
42	72.7	112.2	80,900
44	71.6	111.5	69,700
46	70.5	110.7	59,800
48	69.4	109.9	51,000
50	68.2	109.1	43,100
55	65.4	106.8	26,500
60	62.4	104.2	13,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	306,100 *
25	82.5	126.6	303,400 *
26	82.0	126.4	283,900
27	81.6	126.3	259,400
28	81.1	126.1	237,800
29	80.6	125.9	218,600
30	80.1	125.7	201,500
32	79.1	125.3	172,300
34	78.1	124.8	148,200
36	77.2	124.4	128,100
38	76.2	123.8	111,000
40	75.2	123.3	96,300
42	74.2	122.7	83,500
44	73.2	122.0	72,200
46	72.2	121.4	62,300
48	71.2	120.6	53,400
50	70.1	119.9	45,500
55	67.6	117.8	28,900
60	64.9	115.5	15,700
130 Ft. BOOM			
26	82.7	136.6	286,700
27	82.2	136.4	262,100
28	81.8	136.2	240,500
29	81.3	136.1	221,300
30	80.9	135.9	204,200
32	80.0	135.5	175,000
34	79.1	135.1	150,900
36	78.2	134.6	130,800
38	77.3	134.2	113,600
40	76.4	133.6	98,900
42	75.4	133.1	86,100
44	74.5	132.5	74,900
46	73.6	131.9	64,900
48	72.7	131.2	56,100
50	71.7	130.5	48,100
55	69.4	128.7	31,500
60	67.0	126.5	18,300



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 1

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. Counterweight
360 Degree Rating

200 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
140 Ft. BOOM			
27	82.8	146.5	264,500
28	82.4	146.4	242,800
29	81.9	146.2	223,600
30	81.5	146.0	206,400
32	80.7	145.7	177,100
34	79.9	145.3	152,900
36	79.0	144.9	132,700
38	78.2	144.4	115,500
40	77.4	144.0	100,700
42	76.5	143.5	87,900
44	75.7	142.9	76,600
46	74.8	142.3	66,600
48	74.0	141.7	57,700
50	73.1	141.1	49,800
55	70.9	139.4	33,100
60	68.7	137.4	19,800
150 Ft. BOOM			
28	82.9	156.5	242,900 *
29	82.5	156.3	225,300
30	82.1	156.2	208,100
32	81.3	155.8	178,700
34	80.6	155.5	154,500
36	79.8	155.1	134,200
38	79.0	154.7	117,000
40	78.2	154.2	102,200
42	77.4	153.8	89,300
44	76.6	153.3	78,000
46	75.8	152.7	68,000
48	75.1	152.2	59,100
50	74.3	151.6	51,100
55	72.3	150.0	34,400
60	70.2	148.2	21,100
65	68.2	146.2	10,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	226,900
30	82.6	166.3	209,600
32	81.9	166.0	180,100
34	81.1	165.7	155,900
36	80.4	165.3	135,500
38	79.7	164.9	118,300
40	79.0	164.5	103,400
42	78.2	164.0	90,500
44	77.5	163.6	79,100
46	76.8	163.1	69,100
48	76.0	162.6	60,200
50	75.3	162.0	52,200
55	73.4	160.5	35,400
60	71.5	158.8	22,000
65	69.6	157.0	11,200
170 Ft. BOOM			
30	83.0	176.4	210,800
32	82.4	176.1	181,300
34	81.7	175.8	157,100
36	81.0	175.5	136,700
38	80.3	175.1	119,400
40	79.6	174.7	104,600
42	78.9	174.3	91,700
44	78.2	173.8	80,300
46	77.5	173.4	70,300
48	76.9	172.9	61,400
50	76.2	172.4	53,400
55	74.4	171.0	36,600
60	72.6	169.4	23,200
65	70.9	167.6	12,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	182,500
34	82.1	185.9	158,100
36	81.5	185.6	137,700
38	80.9	185.3	120,400
40	80.2	184.9	105,500
42	79.6	184.5	92,500
44	78.9	184.1	81,100
46	78.3	183.6	71,100
48	77.6	183.2	62,100
50	76.9	182.7	54,100
55	75.3	181.4	37,200
60	73.6	179.9	23,800
65	72.0	178.3	12,900
190 Ft. BOOM			
34	82.6	196.0	158,900
36	81.9	195.7	138,400
38	81.3	195.4	121,000
40	80.7	195.1	106,100
42	80.1	194.7	93,100
44	79.5	194.3	81,700
46	78.9	193.9	71,600
48	78.3	193.4	62,700
50	77.6	193.0	54,600
55	76.1	191.7	37,700
60	74.5	190.3	24,300
65	72.9	188.8	13,400