

Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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 (*).

200 Ft. and 210 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, 249,200 Lb. crane counterweight, two 30,000 Lb. and four 15,000 Lb. carbody counterweights.

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. 8135-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	463,700 *
24	79.5	86.1	460,600 *
25	78.7	85.9	453,700 *
26	78.0	85.6	436,000 *
27	77.3	85.4	419,400 *
28	76.5	85.1	404,000 *
29	75.8	84.8	389,500 *
30	75.0	84.5	376,000 *
32	73.5	83.9	351,200 *
34	72.0	83.2	329,300 *
36	70.5	82.4	304,800 *
38	68.9	81.6	278,900 *
40	67.3	80.7	256,200 *
42	65.8	79.8	236,200 *
44	64.2	78.7	218,400 *
46	62.5	77.6	202,500 *
48	60.9	76.5	188,100 *
50	59.2	75.2	175,100 *
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	442,400 *
25	80.0	96.1	439,200 *
26	79.3	95.9	435,900 *
27	78.7	95.7	419,500 *
28	78.0	95.4	404,000 *
29	77.4	95.2	389,600 *
30	76.7	94.9	376,100 *
32	75.4	94.4	351,400 *
34	74.1	93.7	329,400 *
36	72.7	93.1	309,800 *
38	71.4	92.4	287,000 *
40	70.0	91.6	263,900 *
42	68.6	90.8	243,500 *
44	67.2	89.9	225,300 *
46	65.8	88.9	209,100 *
48	64.4	87.9	194,500 *
50	63.0	86.8	181,400 *
55	59.3	83.9	153,300 *

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	419,000 *
26	80.4	106.1	414,100 *
27	79.8	105.9	409,300 *
28	79.3	105.7	403,700 *
29	78.7	105.5	389,300 *
30	78.1	105.2	375,700 *
32	76.9	104.7	351,100 *
34	75.7	104.2	329,100 *
36	74.5	103.6	309,500 *
38	73.3	103.0	291,800 *
40	72.1	102.3	269,600 *
42	70.9	101.5	249,100 *
44	69.7	100.8	231,100 *
46	68.4	99.9	214,900 *
48	67.2	99.0	200,000 *
50	65.9	98.1	186,600 *
55	62.7	95.5	157,900 *
60	59.3	92.5	134,900 *
65	55.9	89.2	115,900 *
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	321,700 *
30	79.2	115.5	319,600 *
32	78.1	115.0	315,600 *
34	77.0	114.6	311,800 *
36	76.0	114.0	308,300 *
38	74.9	113.4	288,100 *
40	73.8	112.8	268,800 *
42	72.7	112.2	249,600 *
44	71.6	111.5	231,600 *
46	70.5	110.7	215,600 *
48	69.4	109.9	201,400 *
50	68.2	109.1	188,700 *
55	65.4	106.8	162,000 *
60	62.4	104.2	139,300 *
65	59.4	101.2	120,000 *
70	56.3	97.9	103,800 *

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	304,300 *
30	80.1	125.7	302,500 *
32	79.1	125.3	299,000 *
34	78.1	124.8	295,800 *
36	77.2	124.4	292,700 *
38	76.2	123.8	282,300 *
40	75.2	123.3	263,400 *
42	74.2	122.7	246,600 *
44	73.2	122.0	231,600 *
46	72.2	121.4	215,700 *
48	71.2	120.6	201,500 *
50	70.1	119.9	188,800 *
55	67.6	117.8	162,000 *
60	64.9	115.5	140,800 *
65	62.2	112.8	122,900 *
70	59.5	109.9	106,500 *
75	56.6	106.6	92,500 *
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	306,200 *
30	80.9	135.9	304,400 *
32	80.0	135.5	301,000 *
34	79.1	135.1	297,600 *
36	78.2	134.6	286,900 *
38	77.3	134.2	276,700 *
40	76.4	133.6	258,200 *
42	75.4	133.1	241,800 *
44	74.5	132.5	227,200 *
46	73.6	131.9	213,900 *
48	72.7	131.2	201,900 *
50	71.7	130.5	189,300 *
55	69.4	128.7	162,500 *
60	67.0	126.5	141,300 *
65	64.5	124.1	124,000 *
70	62.1	121.5	109,400 *
75	59.5	118.5	95,400 *
80	56.9	115.3	83,300 *



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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
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	297,400 *
32	80.7	145.7	294,300 *
34	79.9	145.3	286,300 *
36	79.0	144.9	275,700 *
38	78.2	144.4	265,800 *
40	77.4	144.0	252,500 *
42	76.5	143.5	236,400 *
44	75.7	142.9	222,100 *
46	74.8	142.3	209,200 *
48	74.0	141.7	197,400 *
50	73.1	141.1	186,800 *
55	70.9	139.4	162,400 *
60	68.7	137.4	141,100 *
65	66.5	135.2	123,800 *
70	64.2	132.8	109,400 *
75	61.9	130.1	97,100 *
80	59.5	127.2	84,800 *
85	57.1	124.0	74,200 *
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	255,000 *
34	80.6	155.5	250,200 *
36	79.8	155.1	243,000 *
38	79.0	154.7	236,100 *
40	78.2	154.2	229,600 *
42	77.4	153.8	223,300 *
44	76.6	153.3	217,300 *
46	75.8	152.7	206,300 *
48	75.1	152.2	194,700 *
50	74.3	151.6	184,100 *
55	72.3	150.0	161,300 *
60	70.2	148.2	141,000 *
65	68.2	146.2	123,700 *
70	66.1	143.9	109,300 *
75	63.9	141.5	97,200 *
80	61.8	138.8	86,700 *
85	59.6	135.9	75,900 *
90	57.3	132.6	66,500 *

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	238,900 *
36	80.4	165.3	231,800 *
38	79.7	164.9	225,000 *
40	79.0	164.5	218,500 *
42	78.2	164.0	212,300 *
44	77.5	163.6	206,300 *
46	76.8	163.1	200,700 *
48	76.0	162.6	190,300 *
50	75.3	162.0	179,900 *
55	73.4	160.5	157,600 *
60	71.5	158.8	139,300 *
65	69.6	157.0	123,400 *
70	67.7	154.9	109,000 *
75	65.7	152.6	96,800 *
80	63.7	150.2	86,500 *
85	61.7	147.5	76,900 *
90	59.6	144.5	67,400 *
95	57.5	141.3	59,100 *
170 Ft. BOOM			
30	83.0	176.4	243,400 *
32	82.4	176.1	235,800 *
34	81.7	175.8	228,500 *
36	81.0	175.5	221,500 *
38	80.3	175.1	214,900 *
40	79.6	174.7	208,500 *
42	78.9	174.3	202,400 *
44	78.2	173.8	196,600 *
46	77.5	173.4	191,100 *
48	76.9	172.9	185,700 *
50	76.2	172.4	176,600 *
55	74.4	171.0	154,700 *
60	72.6	169.4	136,700 *
65	70.9	167.6	121,700 *
70	69.1	165.7	109,000 *
75	67.2	163.6	96,900 *
80	65.4	161.3	86,500 *
85	63.5	158.8	77,500 *
90	61.6	156.1	68,800 *
95	59.6	153.2	60,400 *
100	57.6	150.0	52,900 *

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	209,800 *
38	80.9	185.3	203,400 *
40	80.2	184.9	197,200 *
42	79.6	184.5	191,300 *
44	78.9	184.1	185,700 *
46	78.3	183.6	180,300 *
48	77.6	183.2	175,100 *
50	76.9	182.7	170,100 *
55	75.3	181.4	151,900 *
60	73.6	179.9	134,100 *
65	72.0	178.3	119,300 *
70	70.3	176.5	106,700 *
75	68.6	174.5	95,800 *
80	66.8	172.3	86,100 *
85	65.1	170.0	77,100 *
90	63.3	167.5	69,300 *
95	61.5	164.8	61,100 *
100	59.6	161.8	53,500 *
105	57.8	158.7	46,700 *
190 Ft. BOOM			
34	82.6	196.0	192,800 *
36	81.9	195.7	188,200 *
38	81.3	195.4	183,700 *
40	80.7	195.1	179,400 *
42	80.1	194.7	175,000 *
44	79.5	194.3	170,600 *
46	78.9	193.9	166,200 *
48	78.3	193.4	161,800 *
50	77.6	193.0	157,500 *
55	76.1	191.7	136,100 *
60	74.5	190.3	115,800 *
65	72.9	188.8	99,200 *
70	71.4	187.1	85,400 *
75	69.7	185.3	73,800 *
80	68.1	183.2	63,900 *
85	66.5	181.1	55,300 *
90	64.8	178.7	47,800 *
95	63.1	176.2	41,200 *
100	61.4	173.4	35,400 *
105	59.7	170.5	30,200 *
110	57.9	167.4	25,500 *
115	56.1	164.0	21,200 *



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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	172,600 *
40	81.2	205.2	168,400 *
42	80.6	204.8	164,200 *
44	80.0	204.5	160,100 *
46	79.4	204.1	155,900 *
48	78.9	203.7	151,800 *
50	78.3	203.2	147,700 *
55	76.8	202.1	135,600
60	75.3	200.7	115,200
65	73.8	199.3	98,600
70	72.3	197.7	84,800
75	70.8	195.9	73,200
80	69.3	194.0	63,300
85	67.7	192.0	54,700
90	66.2	189.8	47,200
95	64.6	187.4	40,600
100	63.0	184.8	34,700
105	61.3	182.1	29,500
110	59.7	179.2	24,800
115	58.0	176.0	20,500
120	56.3	172.7	16,700



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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	462,200 *
24	79.5	86.1	459,000 *
25	78.7	85.9	451,500 *
26	78.0	85.6	433,800 *
27	77.3	85.4	417,200 *
28	76.5	85.1	401,700 *
29	75.8	84.8	387,300 *
30	75.0	84.5	373,700 *
32	73.5	83.9	348,900 *
34	72.0	83.2	326,900 *
36	70.5	82.4	301,000 *
38	68.9	81.6	275,100 *
40	67.3	80.7	252,400 *
42	65.8	79.8	232,400 *
44	64.2	78.7	214,600 *
46	62.5	77.6	198,700 *
48	60.9	76.5	184,300 *
50	59.2	75.2	171,400 *
55	54.8	71.7	143,800 *
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	441,300 *
25	80.0	96.1	438,000 *
26	79.3	95.9	433,900 *
27	78.7	95.7	417,400 *
28	78.0	95.4	401,900 *
29	77.4	95.2	387,500 *
30	76.7	94.9	373,900 *
32	75.4	94.4	349,200 *
34	74.1	93.7	327,200 *
36	72.7	93.1	307,600 *
38	71.4	92.4	283,400 *
40	70.0	91.6	260,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	239,900 *
44	67.2	89.9	221,800 *
46	65.8	88.9	205,600 *
48	64.4	87.9	191,000 *
50	63.0	86.8	177,900 *
55	59.3	83.9	149,800 *
60	55.4	80.4	127,200 *
65	51.3	76.5	108,500 *
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	419,600 *
26	80.4	106.1	416,400 *
27	79.8	105.9	413,300 *
28	79.3	105.7	401,700 *
29	78.7	105.5	387,200 *
30	78.1	105.2	373,700 *
32	76.9	104.7	349,000 *
34	75.7	104.2	327,100 *
36	74.5	103.6	307,400 *
38	73.3	103.0	288,600 *
40	72.1	102.3	266,900 *
42	70.9	101.5	246,400 *
44	69.7	100.8	228,100 *
46	68.4	99.9	211,600 *
48	67.2	99.0	196,700 *
50	65.9	98.1	183,300 *
55	62.7	95.5	154,600 *
60	59.3	92.5	131,600 *
65	55.9	89.2	112,700 *
70	52.3	85.3	96,800 *
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	322,700 *
29	79.7	115.7	320,400 *
30	79.2	115.5	318,300 *
32	78.1	115.0	314,100 *
34	77.0	114.6	310,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	306,600 *
38	74.9	113.4	284,900 *
40	73.8	112.8	265,500 *
42	72.7	112.2	247,100 *
44	71.6	111.5	229,100 *
46	70.5	110.7	213,100 *
48	69.4	109.9	199,000 *
50	68.2	109.1	186,300 *
55	65.4	106.8	159,600 *
60	62.4	104.2	136,200 *
65	59.4	101.2	116,800 *
70	56.3	97.9	100,700 *
75	53.0	94.1	86,900 *
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	303,200 *
30	80.1	125.7	301,300 *
32	79.1	125.3	297,700 *
34	78.1	124.8	294,400 *
36	77.2	124.4	291,200 *
38	76.2	123.8	279,200 *
40	75.2	123.3	260,300 *
42	74.2	122.7	243,500 *
44	73.2	122.0	228,500 *
46	72.2	121.4	213,400 *
48	71.2	120.6	199,200 *
50	70.1	119.9	186,400 *
55	67.6	117.8	159,700 *
60	64.9	115.5	138,500 *
65	62.2	112.8	119,900 *
70	59.5	109.9	103,500 *
75	56.6	106.6	89,600 *
80	53.6	102.9	77,600 *



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2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
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	305,100 *
30	80.9	135.9	303,300 *
32	80.0	135.5	299,800 *
34	79.1	135.1	296,200 *
36	78.2	134.6	285,400 *
38	77.3	134.2	273,700 *
40	76.4	133.6	255,300 *
42	75.4	133.1	238,900 *
44	74.5	132.5	224,200 *
46	73.6	131.9	211,000 *
48	72.7	131.2	199,000 *
50	71.7	130.5	187,100
55	69.4	128.7	160,300
60	67.0	126.5	139,100
65	64.5	124.1	121,800
70	62.1	121.5	106,600 *
75	59.5	118.5	92,500 *
80	56.9	115.3	80,400 *
85	54.2	111.7	69,900 *
90	51.3	107.7	60,700 *
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	296,400 *
32	80.7	145.7	293,300 *
34	79.9	145.3	285,100 *
36	79.0	144.9	274,400 *
38	78.2	144.4	264,400 *
40	77.4	144.0	249,600 *
42	76.5	143.5	233,600 *
44	75.7	142.9	219,200 *
46	74.8	142.3	206,300 *
48	74.0	141.7	194,600 *
50	73.1	141.1	184,000 *
55	70.9	139.4	160,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
60	68.7	137.4	139,000
65	66.5	135.2	121,700
70	64.2	132.8	107,300
75	61.9	130.1	94,300 *
80	59.5	127.2	82,100 *
85	57.1	124.0	71,500 *
90	54.6	120.4	62,200 *
95	52.0	116.5	54,000 *
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	254,300 *
34	80.6	155.5	249,100 *
36	79.8	155.1	241,800 *
38	79.0	154.7	234,900 *
40	78.2	154.2	228,200 *
42	77.4	153.8	221,900 *
44	76.6	153.3	215,800 *
46	75.8	152.7	203,600 *
48	75.1	152.2	191,900 *
50	74.3	151.6	181,300 *
55	72.3	150.0	158,600 *
60	70.2	148.2	139,000
65	68.2	146.2	121,600
70	66.1	143.9	107,300
75	63.9	141.5	95,100
80	61.8	138.8	84,000 *
85	59.6	135.9	73,300 *
90	57.3	132.6	63,900 *
95	55.0	129.1	55,500 *
100	52.6	125.3	48,200 *
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	238,100 *
36	80.4	165.3	230,800 *
38	79.7	164.9	223,900 *
40	79.0	164.5	217,300 *
42	78.2	164.0	211,100 *
44	77.5	163.6	205,100 *
46	76.8	163.1	199,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
48	76.0	162.6	187,600 *
50	75.3	162.0	177,200 *
55	73.4	160.5	154,900 *
60	71.5	158.8	136,700 *
65	69.6	157.0	121,400
70	67.7	154.9	107,000
75	65.7	152.6	94,900
80	63.7	150.2	84,500
85	61.7	147.5	74,400 *
90	59.6	144.5	64,900 *
95	57.5	141.3	56,500 *
100	55.3	137.9	49,000 *
105	53.1	134.1	42,400 *
170 Ft. BOOM			
30	83.0	176.4	243,000 *
32	82.4	176.1	235,200 *
34	81.7	175.8	227,800 *
36	81.0	175.5	220,800 *
38	80.3	175.1	214,000 *
40	79.6	174.7	207,600 *
42	78.9	174.3	201,400 *
44	78.2	173.8	195,500 *
46	77.5	173.4	189,900 *
48	76.9	172.9	184,200 *
50	76.2	172.4	174,000 *
55	74.4	171.0	152,100 *
60	72.6	169.4	134,200 *
65	70.9	167.6	119,200 *
70	69.1	165.7	106,500 *
75	67.2	163.6	95,000
80	65.4	161.3	84,600
85	63.5	158.8	75,600
90	61.6	156.1	66,300 *
95	59.6	153.2	57,900 *
100	57.6	150.0	50,400 *
105	55.6	146.6	43,700 *
110	53.5	142.9	37,700 *
115	51.3	138.9	32,200 *



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
180 Ft. BOOM			
32	82.8	186.2	223,200 *
34	82.1	185.9	216,100 *
36	81.5	185.6	209,300 *
38	80.9	185.3	202,700 *
40	80.2	184.9	196,500 *
42	79.6	184.5	190,500 *
44	78.9	184.1	184,800 *
46	78.3	183.6	179,300 *
48	77.6	183.2	171,800
50	76.9	182.7	159,600
55	75.3	181.4	134,000
60	73.6	179.9	113,700
65	72.0	178.3	97,100
70	70.3	176.5	83,400
75	68.6	174.5	71,800
80	66.8	172.3	61,900
85	65.1	170.0	53,400
90	63.3	167.5	45,900
95	61.5	164.8	39,300
100	59.6	161.8	33,500
105	57.8	158.7	28,300
110	55.8	155.3	23,600
115	53.9	151.7	19,300
120	51.8	147.7	15,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	192,300 *
36	81.9	195.7	187,700 *
38	81.3	195.4	183,100 *
40	80.7	195.1	178,700 *
42	80.1	194.7	174,200 *
44	79.5	194.3	169,800 *
46	78.9	193.9	165,300 *
48	78.3	193.4	160,900 *
50	77.6	193.0	156,600 *
55	76.1	191.7	133,700
60	74.5	190.3	113,300
65	72.9	188.8	96,700
70	71.4	187.1	83,000
75	69.7	185.3	71,400
80	68.1	183.2	61,500
85	66.5	181.1	52,900
90	64.8	178.7	45,400
95	63.1	176.2	38,900
100	61.4	173.4	33,000
105	59.7	170.5	27,800
110	57.9	167.4	23,100
115	56.1	164.0	18,900
120	54.2	160.4	15,000
125	52.3	156.6	11,500

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	172,200 *
40	81.2	205.2	167,900 *
42	80.6	204.8	163,700 *
44	80.0	204.5	159,400 *
46	79.4	204.1	155,200 *
48	78.9	203.7	151,100 *
50	78.3	203.2	146,900 *
55	76.8	202.1	133,200
60	75.3	200.7	112,800
65	73.8	199.3	96,200
70	72.3	197.7	82,400
75	70.8	195.9	70,800
80	69.3	194.0	60,900
85	67.7	192.0	52,300
90	66.2	189.8	44,800
95	64.6	187.4	38,300
100	63.0	184.8	32,400
105	61.3	182.1	27,200
110	59.7	179.2	22,500
115	58.0	176.0	18,200
120	56.3	172.7	14,400
125	54.5	169.1	10,800



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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	453,400 *
24	79.5	86.1	450,100 *
25	78.7	85.9	446,800 *
26	78.0	85.6	429,900 *
27	77.3	85.4	413,400 *
28	76.5	85.1	397,900 *
29	75.8	84.8	383,500 *
30	75.0	84.5	370,000 *
32	73.5	83.9	345,400 *
34	72.0	83.2	323,500 *
36	70.5	82.4	295,200 *
38	68.9	81.6	269,500 *
40	67.3	80.7	247,000 *
42	65.8	79.8	227,200 *
44	64.2	78.7	209,600 *
46	62.5	77.6	193,800 *
48	60.9	76.5	179,500 *
50	59.2	75.2	166,700 *
55	54.8	71.7	139,400 *
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	433,200 *
25	80.0	96.1	429,800 *
26	79.3	95.9	426,600 *
27	78.7	95.7	413,600 *
28	78.0	95.4	398,200 *
29	77.4	95.2	383,800 *
30	76.7	94.9	370,300 *
32	75.4	94.4	345,700 *
34	74.1	93.7	323,800 *
36	72.7	93.1	304,200 *
38	71.4	92.4	278,000 *
40	70.0	91.6	255,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	234,900 *
44	67.2	89.9	216,900 *
46	65.8	88.9	200,800 *
48	64.4	87.9	186,400 *
50	63.0	86.8	173,300 *
55	59.3	83.9	145,500 *
60	55.4	80.4	123,100 *
65	51.3	76.5	104,600 *
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	412,000 *
26	80.4	106.1	408,800 *
27	79.8	105.9	405,700 *
28	79.3	105.7	398,100 *
29	78.7	105.5	383,700 *
30	78.1	105.2	370,200 *
32	76.9	104.7	345,600 *
34	75.7	104.2	323,700 *
36	74.5	103.6	304,200 *
38	73.3	103.0	283,400 *
40	72.1	102.3	262,400 *
42	70.9	101.5	241,700 *
44	69.7	100.8	223,300 *
46	68.4	99.9	206,900 *
48	67.2	99.0	192,200 *
50	65.9	98.1	178,800 *
55	62.7	95.5	150,400 *
60	59.3	92.5	127,600 *
65	55.9	89.2	108,800 *
70	52.3	85.3	93,100 *
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	318,000 *
29	79.7	115.7	315,800 *
30	79.2	115.5	313,600 *
32	78.1	115.0	309,500 *
34	77.0	114.6	305,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	301,400 *
38	74.9	113.4	279,700 *
40	73.8	112.8	260,500 *
42	72.7	112.2	243,100
44	71.6	111.5	225,300
46	70.5	110.7	209,500
48	69.4	109.9	195,400
50	68.2	109.1	182,800
55	65.4	106.8	155,600 *
60	62.4	104.2	132,300 *
65	59.4	101.2	113,100 *
70	56.3	97.9	97,100 *
75	53.0	94.1	83,400 *
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	298,800 *
30	80.1	125.7	297,000 *
32	79.1	125.3	293,400 *
34	78.1	124.8	290,100 *
36	77.2	124.4	286,900 *
38	76.2	123.8	274,100 *
40	75.2	123.3	255,400 *
42	74.2	122.7	238,800 *
44	73.2	122.0	223,900 *
46	72.2	121.4	209,800
48	71.2	120.6	195,700
50	70.1	119.9	183,100
55	67.6	117.8	156,600
60	64.9	115.5	135,500
65	62.2	112.8	116,200 *
70	59.5	109.9	100,000 *
75	56.6	106.6	86,100 *
80	53.6	102.9	74,300 *



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
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	300,800 *
30	80.9	135.9	299,000 *
32	80.0	135.5	295,500 *
34	79.1	135.1	291,200 *
36	78.2	134.6	280,500 *
38	77.3	134.2	268,700 *
40	76.4	133.6	250,400 *
42	75.4	133.1	234,200 *
44	74.5	132.5	219,700 *
46	73.6	131.9	206,600 *
48	72.7	131.2	194,700 *
50	71.7	130.5	183,700 *
55	69.4	128.7	157,200 *
60	67.0	126.5	136,100 *
65	64.5	124.1	119,000 *
70	62.1	121.5	103,100 *
75	59.5	118.5	89,200 *
80	56.9	115.3	77,200 *
85	54.2	111.7	66,800 *
90	51.3	107.7	57,700 *
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	292,200 *
32	80.7	145.7	289,100 *
34	79.9	145.3	280,000 *
36	79.0	144.9	269,400 *
38	78.2	144.4	259,500 *
40	77.4	144.0	244,900 *
42	76.5	143.5	229,000 *
44	75.7	142.9	214,800 *
46	74.8	142.3	202,000 *
48	74.0	141.7	190,400 *
50	73.1	141.1	179,900 *
55	70.9	139.4	157,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
60	68.7	137.4	136,100
65	66.5	135.2	118,900
70	64.2	132.8	104,700
75	61.9	130.1	91,000 *
80	59.5	127.2	78,900 *
85	57.1	124.0	68,400 *
90	54.6	120.4	59,200 *
95	52.0	116.5	51,100 *
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	250,200 *
34	80.6	155.5	244,800 *
36	79.8	155.1	237,500 *
38	79.0	154.7	230,600 *
40	78.2	154.2	224,000 *
42	77.4	153.8	217,800 *
44	76.6	153.3	211,800 *
46	75.8	152.7	199,300 *
48	75.1	152.2	187,700 *
50	74.3	151.6	177,300 *
55	72.3	150.0	154,800 *
60	70.2	148.2	136,100
65	68.2	146.2	118,900
70	66.1	143.9	104,700
75	63.9	141.5	92,700
80	61.8	138.8	80,900 *
85	59.6	135.9	70,200 *
90	57.3	132.6	60,900 *
95	55.0	129.1	52,600 *
100	52.6	125.3	45,300 *
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	233,600 *
36	80.4	165.3	226,400 *
38	79.7	164.9	219,600 *
40	79.0	164.5	213,100 *
42	78.2	164.0	206,800 *
44	77.5	163.6	200,900 *
46	76.8	163.1	194,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
48	76.0	162.6	183,500 *
50	75.3	162.0	173,200 *
55	73.4	160.5	151,200 *
60	71.5	158.8	133,100 *
65	69.6	157.0	118,100 *
70	67.7	154.9	104,500
75	65.7	152.6	92,400
80	63.7	150.2	82,100 *
85	61.7	147.5	71,300 *
90	59.6	144.5	61,900 *
95	57.5	141.3	53,600 *
100	55.3	137.9	46,300 *
105	53.1	134.1	39,700 *
170 Ft. BOOM			
30	83.0	176.4	238,100 *
32	82.4	176.1	230,500 *
34	81.7	175.8	223,200 *
36	81.0	175.5	216,200 *
38	80.3	175.1	209,600 *
40	79.6	174.7	203,200 *
42	78.9	174.3	197,100 *
44	78.2	173.8	191,300 *
46	77.5	173.4	181,400
48	76.9	172.9	168,000
50	76.2	172.4	155,900
55	74.4	171.0	130,600
60	72.6	169.4	110,500
65	70.9	167.6	94,100
70	69.1	165.7	80,600
75	67.2	163.6	69,100
80	65.4	161.3	59,300
85	63.5	158.8	50,900
90	61.6	156.1	43,500
95	59.6	153.2	37,000
100	57.6	150.0	31,300
105	55.6	146.6	26,100
110	53.5	142.9	21,500
115	51.3	138.9	17,300



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
180 Ft. BOOM			
32	82.8	186.2	218,400 *
34	82.1	185.9	211,400 *
36	81.5	185.6	204,700 *
38	80.9	185.3	198,200 *
40	80.2	184.9	192,000 *
42	79.6	184.5	186,100 *
44	78.9	184.1	180,500 *
46	78.3	183.6	175,100 *
48	77.6	183.2	167,700
50	76.9	182.7	155,600
55	75.3	181.4	130,300
60	73.6	179.9	110,100
65	72.0	178.3	93,700
70	70.3	176.5	80,100
75	68.6	174.5	68,700
80	66.8	172.3	58,900
85	65.1	170.0	50,400
90	63.3	167.5	43,000
95	61.5	164.8	36,500
100	59.6	161.8	30,800
105	57.8	158.7	25,600
110	55.8	155.3	21,000
115	53.9	151.7	16,800
120	51.8	147.7	13,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	188,100 *
36	81.9	195.7	183,500 *
38	81.3	195.4	179,100 *
40	80.7	195.1	174,600 *
42	80.1	194.7	170,200 *
44	79.5	194.3	165,700 *
46	78.9	193.9	161,300 *
48	78.3	193.4	156,900 *
50	77.6	193.0	152,600 *
55	76.1	191.7	130,000
60	74.5	190.3	109,800
65	72.9	188.8	93,400
70	71.4	187.1	79,800
75	69.7	185.3	68,300
80	68.1	183.2	58,500
85	66.5	181.1	50,000
90	64.8	178.7	42,600
95	63.1	176.2	36,100
100	61.4	173.4	30,300
105	59.7	170.5	25,200
110	57.9	167.4	20,500
115	56.1	164.0	16,300
120	54.2	160.4	12,500

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	168,000 *
40	81.2	205.2	163,800 *
42	80.6	204.8	159,600 *
44	80.0	204.5	155,400 *
46	79.4	204.1	151,200 *
48	78.9	203.7	147,000 *
50	78.3	203.2	142,900 *
55	76.8	202.1	129,500
60	75.3	200.7	109,300
65	73.8	199.3	92,900
70	72.3	197.7	79,300
75	70.8	195.9	67,800
80	69.3	194.0	58,000
85	67.7	192.0	49,500
90	66.2	189.8	42,100
95	64.6	187.4	35,500
100	63.0	184.8	29,700
105	61.3	182.1	24,600
110	59.7	179.2	19,900
115	58.0	176.0	15,700
120	56.3	172.7	11,900



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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	469,100 *
23	80.2	86.3	465,400 *
24	79.5	86.1	461,700 *
25	78.7	85.9	449,200 *
26	78.0	85.6	431,300 *
27	77.3	85.4	414,600 *
28	76.5	85.1	399,100 *
29	75.8	84.8	384,500 *
30	75.0	84.5	370,800 *
32	73.5	83.9	345,900 *
34	72.0	83.2	323,700 *
36	70.5	82.4	295,700 *
38	68.9	81.6	269,600 *
40	67.3	80.7	246,800 *
42	65.8	79.8	226,700 *
44	64.2	78.7	208,800 *
46	62.5	77.6	192,800 *
48	60.9	76.5	178,200 *
50	59.2	75.2	165,200 *
55	54.8	71.7	137,400 *
60	50.2	67.6	114,900 *
65	45.1	62.7	96,300 *
90 Ft. BOOM			
21	82.6	96.9	456,500 *
22	81.9	96.7	452,400 *
23	81.3	96.5	448,600 *
24	80.6	96.3	444,900 *
25	80.0	96.1	441,300 *
26	79.3	95.9	431,700 *
27	78.7	95.7	415,100 *
28	78.0	95.4	399,500 *
29	77.4	95.2	385,000 *
30	76.7	94.9	371,300 *
32	75.4	94.4	346,500 *
34	74.1	93.7	324,300 *
36	72.7	93.1	304,500 *
38	71.4	92.4	278,600 *
40	70.0	91.6	255,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	234,800 *
44	67.2	89.9	216,600 *
46	65.8	88.9	200,300 *
48	64.4	87.9	185,600 *
50	63.0	86.8	172,300 *
55	59.3	83.9	144,100 *
60	55.4	80.4	121,300 *
65	51.3	76.5	102,400 *
70	47.0	71.8	86,600 *
75	42.3	66.5	73,000 *
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	423,500 *
26	80.4	106.1	420,000 *
27	79.8	105.9	415,000 *
28	79.3	105.7	399,500 *
29	78.7	105.5	385,000 *
30	78.1	105.2	371,400 *
32	76.9	104.7	346,500 *
34	75.7	104.2	324,400 *
36	74.5	103.6	304,700 *
38	73.3	103.0	284,200 *
40	72.1	102.3	262,900 *
42	70.9	101.5	242,000 *
44	69.7	100.8	223,400 *
46	68.4	99.9	206,700 *
48	67.2	99.0	191,700 *
50	65.9	98.1	178,200 *
55	62.7	95.5	149,400 *
60	59.3	92.5	126,200 *
65	55.9	89.2	107,100 *
70	52.3	85.3	91,100 *
75	48.5	80.9	77,500 *
80	44.4	75.9	65,700 *

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	323,500 *
29	79.7	115.7	321,100 *
30	79.2	115.5	318,800 *
32	78.1	115.0	314,400 *
34	77.0	114.6	310,200 *
36	76.0	114.0	302,900 *
38	74.9	113.4	280,800 *
40	73.8	112.8	261,400 *
42	72.7	112.2	243,700 *
44	71.6	111.5	225,600 *
46	70.5	110.7	209,700 *
48	69.4	109.9	195,400 *
50	68.2	109.1	182,600 *
55	65.4	106.8	154,900 *
60	62.4	104.2	131,200 *
65	59.4	101.2	111,700 *
70	56.3	97.9	95,400 *
75	53.0	94.1	81,500 *
80	49.6	89.9	69,600 *
85	46.0	85.1	59,200 *
90	42.2	79.7	50,000 *



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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	304,200 *
30	80.1	125.7	302,100 *
32	79.1	125.3	298,300 *
34	78.1	124.8	294,700 *
36	77.2	124.4	291,200 *
38	76.2	123.8	275,500 *
40	75.2	123.3	256,500 *
42	74.2	122.7	239,500 *
44	73.2	122.0	224,400 *
46	72.2	121.4	210,100
48	71.2	120.6	195,900
50	70.1	119.9	183,100
55	67.6	117.8	156,200
60	64.9	115.5	134,900 *
65	62.2	112.8	115,100 *
70	59.5	109.9	98,600 *
75	56.6	106.6	84,500 *
80	53.6	102.9	72,500 *
85	50.6	98.8	62,000 *
90	47.3	94.2	52,800 *
95	43.9	89.1	44,600 *
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	306,400 *
30	80.9	135.9	304,400 *
32	80.0	135.5	300,700 *
34	79.1	135.1	297,100 *
36	78.2	134.6	286,200 *
38	77.3	134.2	270,200 *
40	76.4	133.6	251,600 *
42	75.4	133.1	235,100 *
44	74.5	132.5	220,400 *
46	73.6	131.9	207,100 *
48	72.7	131.2	195,000 *
50	71.7	130.5	183,900
55	69.4	128.7	157,000
60	67.0	126.5	135,700
65	64.5	124.1	118,300
70	62.1	121.5	102,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
75	59.5	118.5	87,800 *
80	56.9	115.3	75,600 *
85	54.2	111.7	65,100 *
90	51.3	107.7	55,800 *
95	48.4	103.3	47,600 *
100	45.3	98.4	40,200 *
105	42.0	92.9	33,700 *
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	297,700 *
32	80.7	145.7	294,300 *
34	79.9	145.3	287,100 *
36	79.0	144.9	276,000 *
38	78.2	144.4	264,500 *
40	77.4	144.0	246,300 *
42	76.5	143.5	230,100 *
44	75.7	142.9	215,600 *
46	74.8	142.3	202,600 *
48	74.0	141.7	190,800 *
50	73.1	141.1	180,100 *
55	70.9	139.4	157,000 *
60	68.7	137.4	135,800
65	66.5	135.2	118,400
70	64.2	132.8	104,000
75	61.9	130.1	89,900 *
80	59.5	127.2	77,600 *
85	57.1	124.0	66,900 *
90	54.6	120.4	57,500 *
95	52.0	116.5	49,300 *
100	49.3	112.2	41,900 *
105	46.5	107.5	35,300 *
110	43.5	102.3	29,300 *
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	256,400 *
34	80.6	155.5	250,600 *
36	79.8	155.1	243,000 *
38	79.0	154.7	235,700 *
40	78.2	154.2	228,800 *
42	77.4	153.8	222,200 *
44	76.6	153.3	212,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
46	75.8	152.7	200,100 *
48	75.1	152.2	188,300 *
50	74.3	151.6	177,700 *
55	72.3	150.0	154,800 *
60	70.2	148.2	136,000
65	68.2	146.2	118,600
70	66.1	143.9	104,100
75	63.9	141.5	91,900
80	61.8	138.8	79,700 *
85	59.6	135.9	68,900 *
90	57.3	132.6	59,400 *
95	55.0	129.1	51,000 *
100	52.6	125.3	43,600 *
105	50.1	121.2	36,900 *
110	47.5	116.6	30,900 *
115	44.8	111.6	25,400 *
120	42.0	106.1	20,400 *
160 Ft. BOOM			
29	83.0	166.4	254,900 *
30	82.6	166.3	253,200 *
32	81.9	166.0	248,200 *
34	81.1	165.7	240,200 *
36	80.4	165.3	232,700 *
38	79.7	164.9	225,400 *
40	79.0	164.5	218,600 *
42	78.2	164.0	212,000 *
44	77.5	163.6	197,600
46	76.8	163.1	182,200
48	76.0	162.6	168,600
50	75.3	162.0	156,300
55	73.4	160.5	130,600
60	71.5	158.8	110,200
65	69.6	157.0	93,500
70	67.7	154.9	79,700
75	65.7	152.6	68,100
80	63.7	150.2	58,100
85	61.7	147.5	49,500
90	59.6	144.5	42,000
95	57.5	141.3	35,400
100	55.3	137.9	29,600
105	53.1	134.1	24,300
110	50.7	130.1	19,600
115	48.4	125.6	15,300
120	45.9	120.8	11,400



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
170 Ft. BOOM			
30	83.0	176.4	246,300 *
32	82.4	176.1	238,400 *
34	81.7	175.8	230,700 *
36	81.0	175.5	223,200 *
38	80.3	175.1	216,200 *
40	79.6	174.7	209,400 *
42	78.9	174.3	203,000 *
44	78.2	173.8	196,800 *
46	77.5	173.4	182,600
48	76.9	172.9	168,900
50	76.2	172.4	156,700
55	74.4	171.0	130,900
60	72.6	169.4	110,500
65	70.9	167.6	93,800
70	69.1	165.7	80,000
75	67.2	163.6	68,400
80	65.4	161.3	58,400
85	63.5	158.8	49,800
90	61.6	156.1	42,300
95	59.6	153.2	35,700
100	57.6	150.0	29,800
105	55.6	146.6	24,600
110	53.5	142.9	19,900
115	51.3	138.9	15,600
120	49.1	134.6	11,700
180 Ft. BOOM			
32	82.8	186.2	227,000 *
34	82.1	185.9	219,500 *
36	81.5	185.6	212,300 *
38	80.9	185.3	205,500 *
40	80.2	184.9	198,900 *
42	79.6	184.5	192,600 *
44	78.9	184.1	186,600 *
46	78.3	183.6	180,900 *
48	77.6	183.2	168,800
50	76.9	182.7	156,500
55	75.3	181.4	130,700
60	73.6	179.9	110,200
65	72.0	178.3	93,600
70	70.3	176.5	79,700
75	68.6	174.5	68,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
80	66.8	172.3	58,100
85	65.1	170.0	49,500
90	63.3	167.5	42,000
95	61.5	164.8	35,300
100	59.6	161.8	29,500
105	57.8	158.7	24,200
110	55.8	155.3	19,500
115	53.9	151.7	15,200
120	51.8	147.7	11,300
190 Ft. BOOM			
34	82.6	196.0	195,300 *
36	81.9	195.7	190,300 *
38	81.3	195.4	185,500 *
40	80.7	195.1	180,800 *
42	80.1	194.7	176,200 *
44	79.5	194.3	171,600 *
46	78.9	193.9	167,000 *
48	78.3	193.4	162,400 *
50	77.6	193.0	156,300
55	76.1	191.7	130,500
60	74.5	190.3	110,000
65	72.9	188.8	93,300
70	71.4	187.1	79,400
75	69.7	185.3	67,800
80	68.1	183.2	57,800
85	66.5	181.1	49,200
90	64.8	178.7	41,600
95	63.1	176.2	35,000
100	61.4	173.4	29,100
105	59.7	170.5	23,900
110	57.9	167.4	19,100
115	56.1	164.0	14,800
120	54.2	160.4	11,000

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	179,800 *
38	81.8	205.5	175,100 *
40	81.2	205.2	170,500 *
42	80.6	204.8	166,000 *
44	80.0	204.5	161,700 *
46	79.4	204.1	157,300 *
48	78.9	203.7	152,900 *
50	78.3	203.2	148,700 *
55	76.8	202.1	130,100
60	75.3	200.7	109,600
65	73.8	199.3	92,900
70	72.3	197.7	79,000
75	70.8	195.9	67,300
80	69.3	194.0	57,300
85	67.7	192.0	48,700
90	66.2	189.8	41,200
95	64.6	187.4	34,500
100	63.0	184.8	28,600
105	61.3	182.1	23,400
110	59.7	179.2	18,600
115	58.0	176.0	14,300
120	56.3	172.7	10,400



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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	458,200 *
24	79.5	86.1	454,500 *
25	78.7	85.9	445,500 *
26	78.0	85.6	427,600 *
27	77.3	85.4	410,900 *
28	76.5	85.1	395,400 *
29	75.8	84.8	380,900 *
30	75.0	84.5	367,300 *
32	73.5	83.9	342,400 *
34	72.0	83.2	319,800 *
36	70.5	82.4	289,900 *
38	68.9	81.6	264,000 *
40	67.3	80.7	241,400 *
42	65.8	79.8	221,300 *
44	64.2	78.7	203,600 *
46	62.5	77.6	187,600 *
48	60.9	76.5	173,200 *
50	59.2	75.2	160,300 *
55	54.8	71.7	132,700 *
60	50.2	67.6	110,400 *
65	45.1	62.7	91,900 *
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	438,300 *
25	80.0	96.1	434,700 *
26	79.3	95.9	428,100 *
27	78.7	95.7	411,500 *
28	78.0	95.4	396,000 *
29	77.4	95.2	381,500 *
30	76.7	94.9	367,900 *
32	75.4	94.4	343,100 *
34	74.1	93.7	321,000 *
36	72.7	93.1	299,600 *
38	71.4	92.4	273,200 *
40	70.0	91.6	250,100 *
42	68.6	90.8	229,700 *
44	67.2	89.9	211,600 *
46	65.8	88.9	195,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
48	64.4	87.9	180,800 *
50	63.0	86.8	167,600 *
55	59.3	83.9	139,600 *
60	55.4	80.4	116,900 *
65	51.3	76.5	98,200 *
70	47.0	71.8	82,500 *
75	42.3	66.5	69,100 *
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	417,400 *
26	80.4	106.1	413,900 *
27	79.8	105.9	410,500 *
28	79.3	105.7	396,100 *
29	78.7	105.5	381,600 *
30	78.1	105.2	368,000 *
32	76.9	104.7	343,200 *
34	75.7	104.2	321,200 *
36	74.5	103.6	301,300 *
38	73.3	103.0	279,100 *
40	72.1	102.3	257,900 *
42	70.9	101.5	237,000 *
44	69.7	100.8	218,500 *
46	68.4	99.9	202,000 *
48	67.2	99.0	187,100 *
50	65.9	98.1	173,700 *
55	62.7	95.5	145,100 *
60	59.3	92.5	122,000 *
65	55.9	89.2	103,100 *
70	52.3	85.3	87,200 *
75	48.5	80.9	73,600 *
80	44.4	75.9	61,900 *
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	319,600 *
29	79.7	115.7	317,200 *
30	79.2	115.5	314,800 *
32	78.1	115.0	310,300 *
34	77.0	114.6	306,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	297,700 *
38	74.9	113.4	275,800 *
40	73.8	112.8	256,400 *
42	72.7	112.2	239,200 *
44	71.6	111.5	221,900 *
46	70.5	110.7	206,000 *
48	69.4	109.9	191,800 *
50	68.2	109.1	179,100 *
55	65.4	106.8	150,700 *
60	62.4	104.2	127,100 *
65	59.4	101.2	107,800 *
70	56.3	97.9	91,600 *
75	53.0	94.1	77,800 *
80	49.6	89.9	66,000 *
85	46.0	85.1	55,700 *
90	42.2	79.7	46,600 *
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	300,500 *
30	80.1	125.7	298,400 *
32	79.1	125.3	294,500 *
34	78.1	124.8	290,900 *
36	77.2	124.4	287,500 *
38	76.2	123.8	270,500 *
40	75.2	123.3	251,700 *
42	74.2	122.7	234,900 *
44	73.2	122.0	219,800 *
46	72.2	121.4	206,400 *
48	71.2	120.6	192,400 *
50	70.1	119.9	179,700 *
55	67.6	117.8	153,000 *
60	64.9	115.5	131,000 *
65	62.2	112.8	111,300 *
70	59.5	109.9	94,900 *
75	56.6	106.6	81,000 *
80	53.6	102.9	69,000 *
85	50.6	98.8	58,600 *
90	47.3	94.2	49,400 *
95	43.9	89.1	41,300 *



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
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	302,700 *
30	80.9	135.9	300,700 *
32	80.0	135.5	297,000 *
34	79.1	135.1	292,800 *
36	78.2	134.6	281,700 *
38	77.3	134.2	265,400 *
40	76.4	133.6	246,900 *
42	75.4	133.1	230,600 *
44	74.5	132.5	215,900 *
46	73.6	131.9	202,700 *
48	72.7	131.2	190,800 *
50	71.7	130.5	179,800 *
55	69.4	128.7	153,900 *
60	67.0	126.5	132,700 *
65	64.5	124.1	115,000 *
70	62.1	121.5	98,400 *
75	59.5	118.5	84,300 *
80	56.9	115.3	72,200 *
85	54.2	111.7	61,700 *
90	51.3	107.7	52,500 *
95	48.4	103.3	44,400 *
100	45.3	98.4	37,100 *
105	42.0	92.9	30,600 *
140 Ft. BOOM			
27	82.8	146.5	299,700 *
28	82.4	146.4	297,800 *
29	81.9	146.2	296,000 *
30	81.5	146.0	294,200 *
32	80.7	145.7	290,700 *
34	79.9	145.3	282,500 *
36	79.0	144.9	271,400 *
38	78.2	144.4	259,700 *
40	77.4	144.0	241,700 *
42	76.5	143.5	225,600 *
44	75.7	142.9	211,300 *
46	74.8	142.3	198,400 *
48	74.0	141.7	186,700 *
50	73.1	141.1	176,000 *
55	70.9	139.4	153,100 *
60	68.7	137.4	132,900 *
65	66.5	135.2	115,600 *
70	64.2	132.8	100,700 *
75	61.9	130.1	86,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
80	59.5	127.2	74,200 *
85	57.1	124.0	63,700 *
90	54.6	120.4	54,300 *
95	52.0	116.5	46,100 *
100	49.3	112.2	38,800 *
105	46.5	107.5	32,300 *
110	43.5	102.3	26,400 *
150 Ft. BOOM			
28	82.9	156.5	260,400 *
29	82.5	156.3	258,500 *
30	82.1	156.2	256,600 *
32	81.3	155.8	252,900 *
34	80.6	155.5	246,700 *
36	79.8	155.1	239,100 *
38	79.0	154.7	231,800 *
40	78.2	154.2	224,900 *
42	77.4	153.8	210,300 *
44	76.6	153.3	193,200 *
46	75.8	152.7	178,000 *
48	75.1	152.2	164,400 *
50	74.3	151.6	152,300 *
55	72.3	150.0	126,800 *
60	70.2	148.2	106,600 *
65	68.2	146.2	90,100 *
70	66.1	143.9	76,400 *
75	63.9	141.5	64,900 *
80	61.8	138.8	55,100 *
85	59.6	135.9	46,600 *
90	57.3	132.6	39,100 *
95	55.0	129.1	32,600 *
100	52.6	125.3	26,800 *
105	50.1	121.2	21,600 *
110	47.5	116.6	16,900 *
115	44.8	111.6	12,700 *
160 Ft. BOOM			
29	83.0	166.4	251,400 *
30	82.6	166.3	249,800 *
32	81.9	166.0	244,100 *
34	81.1	165.7	236,200 *
36	80.4	165.3	228,700 *
38	79.7	164.9	221,500 *
40	79.0	164.5	214,700 *
42	78.2	164.0	208,100 *
44	77.5	163.6	193,200 *
46	76.8	163.1	178,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
48	76.0	162.6	164,500 *
50	75.3	162.0	152,300 *
55	73.4	160.5	126,800 *
60	71.5	158.8	106,500 *
65	69.6	157.0	90,000 *
70	67.7	154.9	76,300 *
75	65.7	152.6	64,800 *
80	63.7	150.2	54,900 *
85	61.7	147.5	46,400 *
90	59.6	144.5	39,000 *
95	57.5	141.3	32,400 *
100	55.3	137.9	26,600 *
105	53.1	134.1	21,400 *
110	50.7	130.1	16,700 *
115	48.4	125.6	12,500 *
170 Ft. BOOM			
30	83.0	176.4	242,300 *
32	82.4	176.1	234,300 *
34	81.7	175.8	226,600 *
36	81.0	175.5	219,200 *
38	80.3	175.1	212,200 *
40	79.6	174.7	205,500 *
42	78.9	174.3	199,100 *
44	78.2	173.8	192,900 *
46	77.5	173.4	178,500 *
48	76.9	172.9	164,900 *
50	76.2	172.4	152,700 *
55	74.4	171.0	127,200 *
60	72.6	169.4	106,900 *
65	70.9	167.6	90,400 *
70	69.1	165.7	76,700 *
75	67.2	163.6	65,200 *
80	65.4	161.3	55,300 *
85	63.5	158.8	46,800 *
90	61.6	156.1	39,300 *
95	59.6	153.2	32,800 *
100	57.6	150.0	26,900 *
105	55.6	146.6	21,700 *
110	53.5	142.9	17,100 *
115	51.3	138.9	12,900 *



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
180 Ft. BOOM			
32	82.8	186.2	222,800 *
34	82.1	185.9	215,400 *
36	81.5	185.6	208,300 *
38	80.9	185.3	201,500 *
40	80.2	184.9	194,900 *
42	79.6	184.5	188,700 *
44	78.9	184.1	182,700 *
46	78.3	183.6	177,000 *
48	77.6	183.2	164,800
50	76.9	182.7	152,600
55	75.3	181.4	127,000
60	73.6	179.9	106,700
65	72.0	178.3	90,200
70	70.3	176.5	76,500
75	68.6	174.5	64,900
80	66.8	172.3	55,000
85	65.1	170.0	46,500
90	63.3	167.5	39,000
95	61.5	164.8	32,400
100	59.6	161.8	26,600
105	57.8	158.7	21,400
110	55.8	155.3	16,700
115	53.9	151.7	12,500
190 Ft. BOOM			
34	82.6	196.0	191,600 *
36	81.9	195.7	186,700 *
38	81.3	195.4	181,900 *
40	80.7	195.1	177,200 *
42	80.1	194.7	172,600 *
44	79.5	194.3	168,000 *
46	78.9	193.9	163,400 *
48	78.3	193.4	158,800 *
50	77.6	193.0	152,500
55	76.1	191.7	126,900
60	74.5	190.3	106,500
65	72.9	188.8	90,000
70	71.4	187.1	76,200
75	69.7	185.3	64,700
80	68.1	183.2	54,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
85	66.5	181.1	46,200
90	64.8	178.7	38,700
95	63.1	176.2	32,200
100	61.4	173.4	26,300
105	59.7	170.5	21,100
110	57.9	167.4	16,400
115	56.1	164.0	12,200
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	176,100 *
38	81.8	205.5	171,400 *
40	81.2	205.2	166,900 *
42	80.6	204.8	162,500 *
44	80.0	204.5	158,100 *
46	79.4	204.1	153,700 *
48	78.9	203.7	149,300 *
50	78.3	203.2	145,000 *
55	76.8	202.1	126,600
60	75.3	200.7	106,200
65	73.8	199.3	89,600
70	72.3	197.7	75,900
75	70.8	195.9	64,300
80	69.3	194.0	54,400
85	67.7	192.0	45,800
90	66.2	189.8	38,300
95	64.6	187.4	31,700
100	63.0	184.8	25,900
105	61.3	182.1	20,700
110	59.7	179.2	16,000
115	58.0	176.0	11,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. BOOM			
36	82.7	215.9	166,100 *
38	82.2	215.6	161,700 *
40	81.6	215.3	157,400 *
42	81.1	215.0	153,100 *
44	80.5	214.6	149,000 *
46	80.0	214.3	144,900 *
48	79.4	213.9	140,800 *
50	78.8	213.5	136,700 *
55	77.4	212.3	126,600
60	76.0	211.1	106,200
65	74.6	209.7	89,600
70	73.2	208.2	75,900
75	71.8	206.5	64,300
80	70.3	204.7	54,300
85	68.8	202.8	45,800
90	67.4	200.7	38,300
95	65.9	198.5	31,700
100	64.4	196.1	25,900
105	62.8	193.5	20,600
110	61.3	190.8	15,900
115	59.7	187.8	11,700



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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	468,100 *
23	80.2	86.3	464,200 *
24	79.5	86.1	460,300 *
25	78.7	85.9	448,200 *
26	78.0	85.6	430,100 *
27	77.3	85.4	413,300 *
28	76.5	85.1	397,500 *
29	75.8	84.8	382,800 *
30	75.0	84.5	369,000 *
32	73.5	83.9	343,800 *
34	72.0	83.2	321,400 *
36	70.5	82.4	291,800 *
38	68.9	81.6	265,400 *
40	67.3	80.7	242,300 *
42	65.8	79.8	221,900 *
44	64.2	78.7	203,800 *
46	62.5	77.6	187,500 *
48	60.9	76.5	172,800 *
50	59.2	75.2	159,600 *
55	54.8	71.7	131,400 *
60	50.2	67.6	108,600 *
65	45.1	62.7	89,700 *
70	39.6	56.8	72,300 *
75	33.3	49.4	52,000 *
90 Ft. BOOM			
21	82.6	96.9	463,000 *
22	81.9	96.7	458,800 *
23	81.3	96.5	454,600 *
24	80.6	96.3	450,500 *
25	80.0	96.1	446,600 *
26	79.3	95.9	430,800 *
27	78.7	95.7	414,000 *
28	78.0	95.4	398,300 *
29	77.4	95.2	383,600 *
30	76.7	94.9	369,800 *
32	75.4	94.4	344,700 *
34	74.1	93.7	322,300 *
36	72.7	93.1	301,900 *
38	71.4	92.4	275,000 *
40	70.0	91.6	251,500 *
42	68.6	90.8	230,700 *
44	67.2	89.9	212,300 *
46	65.8	88.9	195,800 *
48	64.4	87.9	180,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
50	63.0	86.8	167,400 *
55	59.3	83.9	138,800 *
60	55.4	80.4	115,700 *
65	51.3	76.5	96,600 *
70	47.0	71.8	80,500 *
75	42.3	66.5	66,700 *
80	37.1	60.0	53,800 *
100 Ft. BOOM			
22	82.8	106.8	441,100 *
23	82.2	106.7	437,100 *
24	81.6	106.5	433,100 *
25	81.0	106.3	429,200 *
26	80.4	106.1	425,500 *
27	79.8	105.9	414,200 *
28	79.3	105.7	398,600 *
29	78.7	105.5	383,900 *
30	78.1	105.2	370,100 *
32	76.9	104.7	345,000 *
34	75.7	104.2	322,700 *
36	74.5	103.6	302,700 *
38	73.3	103.0	281,200 *
40	72.1	102.3	259,600 *
42	70.9	101.5	238,400 *
44	69.7	100.8	219,600 *
46	68.4	99.9	202,800 *
48	67.2	99.0	187,600 *
50	65.9	98.1	173,900 *
55	62.7	95.5	144,700 *
60	59.3	92.5	121,300 *
65	55.9	89.2	101,900 *
70	52.3	85.3	85,700 *
75	48.5	80.9	71,800 *
80	44.4	75.9	59,900 *
85	40.0	70.0	49,300 *
90	35.1	63.1	39,200 *
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	326,000 *
29	79.7	115.7	323,400 *
30	79.2	115.5	320,900 *
32	78.1	115.0	316,100 *
34	77.0	114.6	311,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	300,600 *
38	74.9	113.4	278,200 *
40	73.8	112.8	258,500 *
42	72.7	112.2	240,900 *
44	71.6	111.5	223,100 *
46	70.5	110.7	207,000 *
48	69.4	109.9	192,600 *
50	68.2	109.1	179,700 *
55	65.4	106.8	150,700 *
60	62.4	104.2	126,700 *
65	59.4	101.2	107,000 *
70	56.3	97.9	90,500 *
75	53.0	94.1	76,400 *
80	49.6	89.9	64,300 *
85	46.0	85.1	53,700 *
90	42.2	79.7	44,400 *
95	38.0	73.4	36,100 *
100	33.3	66.0	27,800 *
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	317,100 *
30	80.1	125.7	315,000 *
32	79.1	125.3	311,000 *
34	78.1	124.8	307,200 *
36	77.2	124.4	295,100 *
38	76.2	123.8	273,300 *
40	75.2	123.3	254,000 *
42	74.2	122.7	236,800 *
44	73.2	122.0	221,400 *
46	72.2	121.4	207,700 *
48	71.2	120.6	193,400 *
50	70.1	119.9	180,500 *
55	67.6	117.8	153,300 *
60	64.9	115.5	130,800 *
65	62.2	112.8	110,800 *
70	59.5	109.9	94,000 *
75	56.6	106.6	79,800 *
80	53.6	102.9	67,600 *
85	50.6	98.8	57,000 *
90	47.3	94.2	47,600 *
95	43.9	89.1	39,300 *
100	40.2	83.3	31,900 *
105	36.2	76.6	25,100 *



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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	309,100 *
30	80.9	135.9	307,000 *
32	80.0	135.5	302,900 *
34	79.1	135.1	299,100 *
36	78.2	134.6	289,100 *
38	77.3	134.2	268,300 *
40	76.4	133.6	249,400 *
42	75.4	133.1	232,700 *
44	74.5	132.5	217,700 *
46	73.6	131.9	204,200 *
48	72.7	131.2	192,000 *
50	71.7	130.5	180,800 *
55	69.4	128.7	154,400
60	67.0	126.5	132,800
65	64.5	124.1	114,700 *
70	62.1	121.5	97,800 *
75	59.5	118.5	83,400 *
80	56.9	115.3	71,100 *
85	54.2	111.7	60,400 *
90	51.3	107.7	51,000 *
95	48.4	103.3	42,700 *
100	45.3	98.4	35,300 *
105	42.0	92.9	28,500 *
110	38.5	86.7	22,500 *
115	34.7	79.7	16,900 *
140 Ft. BOOM			
27	82.8	146.5	306,600 *
28	82.4	146.4	304,500 *
29	81.9	146.2	302,500 *
30	81.5	146.0	300,600 *
32	80.7	145.7	296,800 *
34	79.9	145.3	291,300 *
36	79.0	144.9	279,800 *
38	78.2	144.4	255,400
40	77.4	144.0	232,500
42	76.5	143.5	212,500
44	75.7	142.9	195,000
46	74.8	142.3	179,500
48	74.0	141.7	165,700
50	73.1	141.1	153,300
55	70.9	139.4	127,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
60	68.7	137.4	106,700
65	66.5	135.2	89,900
70	64.2	132.8	75,900
75	61.9	130.1	64,100
80	59.5	127.2	54,000
85	57.1	124.0	45,300
90	54.6	120.4	37,700
95	52.0	116.5	31,000
100	49.3	112.2	25,100
105	46.5	107.5	19,700
110	43.5	102.3	14,900
115	40.4	96.5	10,600
150 Ft. BOOM			
28	82.9	156.5	268,000 *
29	82.5	156.3	265,900 *
30	82.1	156.2	263,800 *
32	81.3	155.8	259,800 *
34	80.6	155.5	254,100 *
36	79.8	155.1	246,100 *
38	79.0	154.7	238,500 *
40	78.2	154.2	231,200 *
42	77.4	153.8	213,100
44	76.6	153.3	195,500
46	75.8	152.7	180,000
48	75.1	152.2	166,200
50	74.3	151.6	153,800
55	72.3	150.0	127,800
60	70.2	148.2	107,100
65	68.2	146.2	90,200
70	66.1	143.9	76,300
75	63.9	141.5	64,500
80	61.8	138.8	54,400
85	59.6	135.9	45,700
90	57.3	132.6	38,100
95	55.0	129.1	31,300
100	52.6	125.3	25,400
105	50.1	121.2	20,100
110	47.5	116.6	15,300
115	44.8	111.6	10,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	258,900 *
30	82.6	166.3	257,100 *
32	81.9	166.0	252,800 *
34	81.1	165.7	244,500 *
36	80.4	165.3	236,500 *
38	79.7	164.9	228,900 *
40	79.0	164.5	221,700 *
42	78.2	164.0	213,300
44	77.5	163.6	195,700
46	76.8	163.1	180,200
48	76.0	162.6	166,400
50	75.3	162.0	153,900
55	73.4	160.5	127,900
60	71.5	158.8	107,200
65	69.6	157.0	90,300
70	67.7	154.9	76,300
75	65.7	152.6	64,500
80	63.7	150.2	54,400
85	61.7	147.5	45,700
90	59.6	144.5	38,100
95	57.5	141.3	31,300
100	55.3	137.9	25,400
105	53.1	134.1	20,000
110	50.7	130.1	15,300
115	48.4	125.6	10,900



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
170 Ft. BOOM			
30	83.0	176.4	250,400 *
32	82.4	176.1	243,800 *
34	81.7	175.8	235,600 *
36	81.0	175.5	227,700 *
38	80.3	175.1	220,300 *
40	79.6	174.7	213,200 *
42	78.9	174.3	206,400 *
44	78.2	173.8	196,300
46	77.5	173.4	180,700
48	76.9	172.9	166,900
50	76.2	172.4	154,500
55	74.4	171.0	128,400
60	72.6	169.4	107,700
65	70.9	167.6	90,800
70	69.1	165.7	76,800
75	67.2	163.6	65,000
80	65.4	161.3	54,900
85	63.5	158.8	46,200
90	61.6	156.1	38,600
95	59.6	153.2	31,800
100	57.6	150.0	25,900
105	55.6	146.6	20,500
110	53.5	142.9	15,700
115	51.3	138.9	11,400
180 Ft. BOOM			
32	82.8	186.2	232,900 *
34	82.1	185.9	225,000 *
36	81.5	185.6	217,500 *
38	80.9	185.3	210,200 *
40	80.2	184.9	203,300 *
42	79.6	184.5	196,600 *
44	78.9	184.1	190,300 *
46	78.3	183.6	180,800
48	77.6	183.2	166,900
50	76.9	182.7	154,500
55	75.3	181.4	128,300
60	73.6	179.9	107,600
65	72.0	178.3	90,700
70	70.3	176.5	76,700
75	68.6	174.5	64,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
80	66.8	172.3	54,700
85	65.1	170.0	46,000
90	63.3	167.5	38,400
95	61.5	164.8	31,600
100	59.6	161.8	25,700
105	57.8	158.7	20,300
110	55.8	155.3	15,500
115	53.9	151.7	11,200
190 Ft. BOOM			
34	82.6	196.0	200,200 *
36	81.9	195.7	194,900 *
38	81.3	195.4	189,700 *
40	80.7	195.1	184,700 *
42	80.1	194.7	179,800 *
44	79.5	194.3	175,000 *
46	78.9	193.9	170,200 *
48	78.3	193.4	165,500 *
50	77.6	193.0	154,400
55	76.1	191.7	128,300
60	74.5	190.3	107,500
65	72.9	188.8	90,600
70	71.4	187.1	76,500
75	69.7	185.3	64,700
80	68.1	183.2	54,600
85	66.5	181.1	45,800
90	64.8	178.7	38,200
95	63.1	176.2	31,500
100	61.4	173.4	25,500
105	59.7	170.5	20,200
110	57.9	167.4	15,400
115	56.1	164.0	11,000
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	180,000 *
38	81.8	205.5	179,800 *
40	81.2	205.2	175,000 *
42	80.6	204.8	170,200 *
44	80.0	204.5	165,600 *
46	79.4	204.1	161,000 *
48	78.9	203.7	156,500 *
50	78.3	203.2	152,000 *
55	76.8	202.1	128,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
60	75.3	200.7	107,300
65	73.8	199.3	90,300
70	72.3	197.7	76,300
75	70.8	195.9	64,400
80	69.3	194.0	54,300
85	67.7	192.0	45,500
90	66.2	189.8	37,900
95	64.6	187.4	31,100
100	63.0	184.8	25,100
105	61.3	182.1	19,800
110	59.7	179.2	15,000
115	58.0	176.0	10,600
210 Ft. BOOM			
36	82.7	215.9	175,600 *
38	82.2	215.6	170,800 *
40	81.6	215.3	166,100 *
42	81.1	215.0	161,500 *
44	80.5	214.6	157,000 *
46	80.0	214.3	152,600 *
48	79.4	213.9	148,300 *
50	78.8	213.5	144,100 *
55	77.4	212.3	128,200
60	76.0	211.1	107,400
65	74.6	209.7	90,400
70	73.2	208.2	76,300
75	71.8	206.5	64,500
80	70.3	204.7	54,400
85	68.8	202.8	45,600
90	67.4	200.7	37,900
95	65.9	198.5	31,200
100	64.4	196.1	25,200
105	62.8	193.5	19,900
110	61.3	190.8	15,000
115	59.7	187.8	10,700



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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	459,400 *
24	79.5	86.1	455,400 *
25	78.7	85.9	445,600 *
26	78.0	85.6	427,500 *
27	77.3	85.4	410,700 *
28	76.5	85.1	394,900 *
29	75.8	84.8	380,200 *
30	75.0	84.5	366,400 *
32	73.5	83.9	341,300 *
34	72.0	83.2	317,800 *
36	70.5	82.4	287,500 *
38	68.9	81.6	261,200 *
40	67.3	80.7	238,200 *
42	65.8	79.8	217,900 *
44	64.2	78.7	199,800 *
46	62.5	77.6	183,700 *
48	60.9	76.5	169,000 *
50	59.2	75.2	155,800 *
55	54.8	71.7	127,800 *
60	50.2	67.6	105,100 *
65	45.1	62.7	86,200 *
70	39.6	56.8	68,900 *
75	33.3	49.4	48,800 *
90 Ft. BOOM			
21	82.6	96.9	459,000 *
22	81.9	96.7	454,500 *
23	81.3	96.5	450,200 *
24	80.6	96.3	446,000 *
25	80.0	96.1	442,000 *
26	79.3	95.9	428,300 *
27	78.7	95.7	411,500 *
28	78.0	95.4	395,800 *
29	77.4	95.2	381,200 *
30	76.7	94.9	367,400 *
32	75.4	94.4	342,300 *
34	74.1	93.7	320,000 *
36	72.7	93.1	297,900 *
38	71.4	92.4	271,100 *
40	70.0	91.6	247,600 *
42	68.6	90.8	227,000 *
44	67.2	89.9	208,600 *
46	65.8	88.9	192,100 *
48	64.4	87.9	177,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
50	63.0	86.8	163,900 *
55	59.3	83.9	135,400 *
60	55.4	80.4	112,400 *
65	51.3	76.5	93,400 *
70	47.0	71.8	77,400 *
75	42.3	66.5	63,700 *
80	37.1	60.0	50,800 *
100 Ft. BOOM			
22	82.8	106.8	437,400 *
23	82.2	106.7	433,200 *
24	81.6	106.5	429,100 *
25	81.0	106.3	425,100 *
26	80.4	106.1	421,300 *
27	79.8	105.9	411,900 *
28	79.3	105.7	396,200 *
29	78.7	105.5	381,500 *
30	78.1	105.2	367,800 *
32	76.9	104.7	342,700 *
34	75.7	104.2	320,500 *
36	74.5	103.6	300,100 *
38	73.3	103.0	277,500 *
40	72.1	102.3	256,000 *
42	70.9	101.5	234,800 *
44	69.7	100.8	216,100 *
46	68.4	99.9	199,300 *
48	67.2	99.0	184,200 *
50	65.9	98.1	170,600 *
55	62.7	95.5	141,500 *
60	59.3	92.5	118,100 *
65	55.9	89.2	98,900 *
70	52.3	85.3	82,700 *
75	48.5	80.9	68,900 *
80	44.4	75.9	57,000 *
85	40.0	70.0	46,500 *
90	35.1	63.1	36,400 *
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	323,400 *
29	79.7	115.7	320,800 *
30	79.2	115.5	318,200 *
32	78.1	115.0	313,400 *
34	77.0	114.6	308,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	296,900 *
38	74.9	113.4	274,600 *
40	73.8	112.8	255,000 *
42	72.7	112.2	237,400 *
44	71.6	111.5	220,400 *
46	70.5	110.7	204,300 *
48	69.4	109.9	190,000 *
50	68.2	109.1	177,100 *
55	65.4	106.8	147,600 *
60	62.4	104.2	123,700 *
65	59.4	101.2	104,100 *
70	56.3	97.9	87,600 *
75	53.0	94.1	73,600 *
80	49.6	89.9	61,600 *
85	46.0	85.1	51,100 *
90	42.2	79.7	41,800 *
95	38.0	73.4	33,500 *
100	33.3	66.0	25,200 *
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	317,300 *
29	80.6	125.9	315,200 *
30	80.1	125.7	313,000 *
32	79.1	125.3	309,000 *
34	78.1	124.8	305,100 *
36	77.2	124.4	291,500 *
38	76.2	123.8	269,700 *
40	75.2	123.3	250,500 *
42	74.2	122.7	233,500 *
44	73.2	122.0	218,200 *
46	72.2	121.4	204,500 *
48	71.2	120.6	190,900 *
50	70.1	119.9	178,000 *
55	67.6	117.8	151,000 *
60	64.9	115.5	127,900 *
65	62.2	112.8	108,000 *
70	59.5	109.9	91,300 *
75	56.6	106.6	77,200 *
80	53.6	102.9	65,000 *
85	50.6	98.8	54,400 *
90	47.3	94.2	45,100 *
95	43.9	89.1	36,900 *
100	40.2	83.3	29,400 *
105	36.2	76.6	22,700 *



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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	311,200 *
28	81.8	136.2	309,000 *
29	81.3	136.1	306,800 *
30	80.9	135.9	304,600 *
32	80.0	135.5	300,500 *
34	79.1	135.1	296,600 *
36	78.2	134.6	277,700
38	77.3	134.2	251,200
40	76.4	133.6	228,400
42	75.4	133.1	208,600
44	74.5	132.5	191,200
46	73.6	131.9	175,800
48	72.7	131.2	162,100
50	71.7	130.5	149,800
55	69.4	128.7	124,000
60	67.0	126.5	103,400
65	64.5	124.1	86,700
70	62.1	121.5	72,900
75	59.5	118.5	61,200
80	56.9	115.3	51,200
85	54.2	111.7	42,500
90	51.3	107.7	35,000
95	48.4	103.3	28,300
100	45.3	98.4	22,400
105	42.0	92.9	17,100
110	38.5	86.7	12,300
140 Ft. BOOM			
27	82.8	146.5	304,300 *
28	82.4	146.4	302,300 *
29	81.9	146.2	300,200 *
30	81.5	146.0	298,300 *
32	80.7	145.7	294,500 *
34	79.9	145.3	288,400 *
36	79.0	144.9	276,800 *
38	78.2	144.4	252,000
40	77.4	144.0	229,100
42	76.5	143.5	209,300
44	75.7	142.9	191,800
46	74.8	142.3	176,400
48	74.0	141.7	162,700
50	73.1	141.1	150,400
55	70.9	139.4	124,500
60	68.7	137.4	103,900
65	66.5	135.2	87,200
70	64.2	132.8	73,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
75	61.9	130.1	61,600
80	59.5	127.2	51,600
85	57.1	124.0	42,900
90	54.6	120.4	35,400
95	52.0	116.5	28,700
100	49.3	112.2	22,800
105	46.5	107.5	17,500
110	43.5	102.3	12,700
150 Ft. BOOM			
28	82.9	156.5	265,800 *
29	82.5	156.3	263,700 *
30	82.1	156.2	261,600 *
32	81.3	155.8	257,600 *
34	80.6	155.5	251,700 *
36	79.8	155.1	243,600 *
38	79.0	154.7	236,000 *
40	78.2	154.2	228,700 *
42	77.4	153.8	209,900
44	76.6	153.3	192,400
46	75.8	152.7	177,000
48	75.1	152.2	163,200
50	74.3	151.6	150,900
55	72.3	150.0	125,000
60	70.2	148.2	104,400
65	68.2	146.2	87,700
70	66.1	143.9	73,800
75	63.9	141.5	62,100
80	61.8	138.8	52,000
85	59.6	135.9	43,400
90	57.3	132.6	35,800
95	55.0	129.1	29,100
100	52.6	125.3	23,200
105	50.1	121.2	17,900
110	47.5	116.6	13,100
160 Ft. BOOM			
29	83.0	166.4	256,800 *
30	82.6	166.3	254,900 *
32	81.9	166.0	250,300 *
34	81.1	165.7	242,000 *
36	80.4	165.3	234,000 *
38	79.7	164.9	226,400 *
40	79.0	164.5	219,200 *
42	78.2	164.0	210,200
44	77.5	163.6	192,700
46	76.8	163.1	177,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
48	76.0	162.6	163,500
50	75.3	162.0	151,100
55	73.4	160.5	125,200
60	71.5	158.8	104,600
65	69.6	157.0	87,800
70	67.7	154.9	73,900
75	65.7	152.6	62,200
80	63.7	150.2	52,100
85	61.7	147.5	43,400
90	59.6	144.5	35,900
95	57.5	141.3	29,200
100	55.3	137.9	23,300
105	53.1	134.1	18,000
110	50.7	130.1	13,200
170 Ft. BOOM			
30	83.0	176.4	248,300 *
32	82.4	176.1	241,300 *
34	81.7	175.8	233,000 *
36	81.0	175.5	225,200 *
38	80.3	175.1	217,800 *
40	79.6	174.7	210,700 *
42	78.9	174.3	203,900 *
44	78.2	173.8	193,400
46	77.5	173.4	177,900
48	76.9	172.9	164,100
50	76.2	172.4	151,700
55	74.4	171.0	125,800
60	72.6	169.4	105,200
65	70.9	167.6	88,400
70	69.1	165.7	74,500
75	67.2	163.6	62,700
80	65.4	161.3	52,700
85	63.5	158.8	44,000
90	61.6	156.1	36,400
95	59.6	153.2	29,700
100	57.6	150.0	23,800
105	55.6	146.6	18,500
110	53.5	142.9	13,700



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
180 Ft. BOOM			
32	82.8	186.2	230,400 *
34	82.1	185.9	222,500 *
36	81.5	185.6	215,000 *
38	80.9	185.3	207,700 *
40	80.2	184.9	200,800 *
42	79.6	184.5	194,200 *
44	78.9	184.1	187,800 *
46	78.3	183.6	178,000
48	77.6	183.2	164,200
50	76.9	182.7	151,800
55	75.3	181.4	125,800
60	73.6	179.9	105,200
65	72.0	178.3	88,300
70	70.3	176.5	74,400
75	68.6	174.5	62,600
80	66.8	172.3	52,600
85	65.1	170.0	43,900
90	63.3	167.5	36,300
95	61.5	164.8	29,600
100	59.6	161.8	23,700
105	57.8	158.7	18,400
110	55.8	155.3	13,600
190 Ft. BOOM			
34	82.6	196.0	197,900 *
36	81.9	195.7	192,600 *
38	81.3	195.4	187,500 *
40	80.7	195.1	182,400 *
42	80.1	194.7	177,600 *
44	79.5	194.3	172,800 *
46	78.9	193.9	168,000 *
48	78.3	193.4	163,200 *
50	77.6	193.0	151,800
55	76.1	191.7	125,800
60	74.5	190.3	105,100
65	72.9	188.8	88,300
70	71.4	187.1	74,300
75	69.7	185.3	62,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
80	68.1	183.2	52,500
85	66.5	181.1	43,800
90	64.8	178.7	36,200
95	63.1	176.2	29,500
100	61.4	173.4	23,500
105	59.7	170.5	18,200
110	57.9	167.4	13,500
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	180,000 *
38	81.8	205.5	177,600 *
40	81.2	205.2	172,700 *
42	80.6	204.8	167,900 *
44	80.0	204.5	163,300 *
46	79.4	204.1	158,800 *
48	78.9	203.7	154,200 *
50	78.3	203.2	149,700 *
55	76.8	202.1	125,600
60	75.3	200.7	104,900
65	73.8	199.3	88,100
70	72.3	197.7	74,100
75	70.8	195.9	62,300
80	69.3	194.0	52,200
85	67.7	192.0	43,500
90	66.2	189.8	35,900
95	64.6	187.4	29,200
100	63.0	184.8	23,200
105	61.3	182.1	17,900
110	59.7	179.2	13,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. BOOM			
36	82.7	215.9	173,300 *
38	82.2	215.6	168,500 *
40	81.6	215.3	163,900 *
42	81.1	215.0	159,200 *
44	80.5	214.6	154,800 *
46	80.0	214.3	150,400 *
48	79.4	213.9	146,100 *
50	78.8	213.5	141,800 *
55	77.4	212.3	125,800
60	76.0	211.1	105,100
65	74.6	209.7	88,200
70	73.2	208.2	74,200
75	71.8	206.5	62,400
80	70.3	204.7	52,300
85	68.8	202.8	43,600
90	67.4	200.7	36,000
95	65.9	198.5	29,300
100	64.4	196.1	23,300
105	62.8	193.5	18,000
110	61.3	190.8	13,200



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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	452,900 *
24	79.5	86.1	448,700 *
25	78.7	85.9	442,200 *
26	78.0	85.6	424,100 *
27	77.3	85.4	407,300 *
28	76.5	85.1	391,500 *
29	75.8	84.8	376,800 *
30	75.0	84.5	363,000 *
32	73.5	83.9	337,900 *
34	72.0	83.2	312,100 *
36	70.5	82.4	281,900 *
38	68.9	81.6	255,700 *
40	67.3	80.7	232,800 *
42	65.8	79.8	212,500 *
44	64.2	78.7	194,500 *
46	62.5	77.6	178,400 *
48	60.9	76.5	163,800 *
50	59.2	75.2	150,700 *
55	54.8	71.7	122,800 *
60	50.2	67.6	100,200 *
65	45.1	62.7	81,400 *
70	39.6	56.8	64,200 *
75	33.3	49.4	44,100 *
90 Ft. BOOM			
21	82.6	96.9	453,200 *
22	81.9	96.7	448,700 *
23	81.3	96.5	444,300 *
24	80.6	96.3	440,000 *
25	80.0	96.1	435,800 *
26	79.3	95.9	425,100 *
27	78.7	95.7	408,300 *
28	78.0	95.4	392,600 *
29	77.4	95.2	377,900 *
30	76.7	94.9	364,200 *
32	75.4	94.4	339,100 *
34	74.1	93.7	316,800 *
36	72.7	93.1	292,600 *
38	71.4	92.4	265,900 *
40	70.0	91.6	242,500 *
42	68.6	90.8	221,900 *
44	67.2	89.9	203,600 *
46	65.8	88.9	187,200 *
48	64.4	87.9	172,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
50	63.0	86.8	159,100 *
55	59.3	83.9	130,700 *
60	55.4	80.4	107,800 *
65	51.3	76.5	88,900 *
70	47.0	71.8	72,900 *
75	42.3	66.5	59,300 *
80	37.1	60.0	46,500 *
100 Ft. BOOM			
22	82.8	106.8	432,000 *
23	82.2	106.7	427,700 *
24	81.6	106.5	423,600 *
25	81.0	106.3	419,600 *
26	80.4	106.1	415,600 *
27	79.8	105.9	408,700 *
28	79.3	105.7	393,100 *
29	78.7	105.5	378,400 *
30	78.1	105.2	364,700 *
32	76.9	104.7	339,700 *
34	75.7	104.2	317,400 *
36	74.5	103.6	295,100 *
38	73.3	103.0	272,500 *
40	72.1	102.3	251,100 *
42	70.9	101.5	230,000 *
44	69.7	100.8	211,300 *
46	68.4	99.9	194,600 *
48	67.2	99.0	179,600 *
50	65.9	98.1	166,000 *
55	62.7	95.5	137,000 *
60	59.3	92.5	113,800 *
65	55.9	89.2	94,600 *
70	52.3	85.3	78,500 *
75	48.5	80.9	64,700 *
80	44.4	75.9	52,900 *
85	40.0	70.0	42,500 *
90	35.1	63.1	32,400 *
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	319,600 *
29	79.7	115.7	317,000 *
30	79.2	115.5	314,400 *
32	78.1	115.0	309,500 *
34	77.0	114.6	304,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	292,000 *
38	74.9	113.4	269,800 *
40	73.8	112.8	250,200 *
42	72.7	112.2	232,800 *
44	71.6	111.5	216,700 *
46	70.5	110.7	200,700 *
48	69.4	109.9	186,500 *
50	68.2	109.1	172,800 *
55	65.4	106.8	143,300 *
60	62.4	104.2	119,500 *
65	59.4	101.2	99,900 *
70	56.3	97.9	83,600 *
75	53.0	94.1	69,600 *
80	49.6	89.9	57,600 *
85	46.0	85.1	47,200 *
90	42.2	79.7	37,900 *
95	38.0	73.4	29,700 *
100	33.3	66.0	21,500 *
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	316,600 *
28	81.1	126.1	314,400 *
29	80.6	125.9	312,100 *
30	80.1	125.7	310,000 *
32	79.1	125.3	305,900 *
34	78.1	124.8	302,000 *
36	77.2	124.4	271,200 *
38	76.2	123.8	244,800 *
40	75.2	123.3	222,100 *
42	74.2	122.7	202,400 *
44	73.2	122.0	185,100 *
46	72.2	121.4	169,800 *
48	71.2	120.6	156,200 *
50	70.1	119.9	143,900 *
55	67.6	117.8	118,300 *
60	64.9	115.5	97,800 *
65	62.2	112.8	81,200 *
70	59.5	109.9	67,400 *
75	56.6	106.6	55,800 *
80	53.6	102.9	45,900 *
85	50.6	98.8	37,300 *
90	47.3	94.2	29,800 *
95	43.9	89.1	23,100 *
100	40.2	83.3	17,200 *
105	36.2	76.6	12,000 *



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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	307,800 *
28	81.8	136.2	305,500 *
29	81.3	136.1	303,300 *
30	80.9	135.9	301,100 *
32	80.0	135.5	297,000 *
34	79.1	135.1	293,100 *
36	78.2	134.6	272,900
38	77.3	134.2	246,500
40	76.4	133.6	223,800
42	75.4	133.1	204,100
44	74.5	132.5	186,800
46	73.6	131.9	171,500
48	72.7	131.2	157,800
50	71.7	130.5	145,600
55	69.4	128.7	119,900
60	67.0	126.5	99,500
65	64.5	124.1	82,900
70	62.1	121.5	69,100
75	59.5	118.5	57,400
80	56.9	115.3	47,500
85	54.2	111.7	38,900
90	51.3	107.7	31,400
95	48.4	103.3	24,700
100	45.3	98.4	18,900
105	42.0	92.9	13,600
140 Ft. BOOM			
27	82.8	146.5	301,000 *
28	82.4	146.4	298,900 *
29	81.9	146.2	296,900 *
30	81.5	146.0	294,900 *
32	80.7	145.7	291,100 *
34	79.9	145.3	284,200 *
36	79.0	144.9	272,700 *
38	78.2	144.4	247,400
40	77.4	144.0	224,700
42	76.5	143.5	204,900
44	75.7	142.9	187,600
46	74.8	142.3	172,200
48	74.0	141.7	158,600
50	73.1	141.1	146,300
55	70.9	139.4	120,600
60	68.7	137.4	100,100
65	66.5	135.2	83,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
70	64.2	132.8	69,600
75	61.9	130.1	58,000
80	59.5	127.2	48,000
85	57.1	124.0	39,400
90	54.6	120.4	31,900
95	52.0	116.5	25,300
100	49.3	112.2	19,400
105	46.5	107.5	14,100
150 Ft. BOOM			
28	82.9	156.5	262,600 *
29	82.5	156.3	260,400 *
30	82.1	156.2	258,400 *
32	81.3	155.8	254,300 *
34	80.6	155.5	248,000 *
36	79.8	155.1	240,000 *
38	79.0	154.7	232,400 *
40	78.2	154.2	225,200 *
42	77.4	153.8	205,600
44	76.6	153.3	188,300
46	75.8	152.7	172,900
48	75.1	152.2	159,200
50	74.3	151.6	146,900
55	72.3	150.0	121,200
60	70.2	148.2	100,700
65	68.2	146.2	84,000
70	66.1	143.9	70,200
75	63.9	141.5	58,500
80	61.8	138.8	48,600
85	59.6	135.9	39,900
90	57.3	132.6	32,400
95	55.0	129.1	25,800
100	52.6	125.3	19,900
105	50.1	121.2	14,600
160 Ft. BOOM			
29	83.0	166.4	253,600 *
30	82.6	166.3	251,800 *
32	81.9	166.0	246,700 *
34	81.1	165.7	238,300 *
36	80.4	165.3	230,400 *
38	79.7	164.9	222,800 *
40	79.0	164.5	215,600 *
42	78.2	164.0	206,100
44	77.5	163.6	188,700
46	76.8	163.1	173,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
48	76.0	162.6	159,600
50	75.3	162.0	147,300
55	73.4	160.5	121,500
60	71.5	158.8	101,000
65	69.6	157.0	84,300
70	67.7	154.9	70,400
75	65.7	152.6	58,700
80	63.7	150.2	48,700
85	61.7	147.5	40,100
90	59.6	144.5	32,600
95	57.5	141.3	25,900
100	55.3	137.9	20,000
105	53.1	134.1	14,800
110	50.7	130.1	10,000
170 Ft. BOOM			
30	83.0	176.4	245,200 *
32	82.4	176.1	237,600 *
34	81.7	175.8	229,400 *
36	81.0	175.5	221,600 *
38	80.3	175.1	214,200 *
40	79.6	174.7	207,100 *
42	78.9	174.3	200,300 *
44	78.2	173.8	189,400
46	77.5	173.4	174,000
48	76.9	172.9	160,300
50	76.2	172.4	148,000
55	74.4	171.0	122,100
60	72.6	169.4	101,600
65	70.9	167.6	84,900
70	69.1	165.7	71,100
75	67.2	163.6	59,400
80	65.4	161.3	49,400
85	63.5	158.8	40,800
90	61.6	156.1	33,200
95	59.6	153.2	26,600
100	57.6	150.0	20,700
105	55.6	146.6	15,400
110	53.5	142.9	10,700



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
180 Ft. BOOM			
32	82.8	186.2	226,700 *
34	82.1	185.9	218,900 *
36	81.5	185.6	211,300 *
38	80.9	185.3	204,100 *
40	80.2	184.9	197,200 *
42	79.6	184.5	190,600 *
44	78.9	184.1	184,300 *
46	78.3	183.6	174,200
48	77.6	183.2	160,400
50	76.9	182.7	148,100
55	75.3	181.4	122,200
60	73.6	179.9	101,700
65	72.0	178.3	84,900
70	70.3	176.5	71,100
75	68.6	174.5	59,400
80	66.8	172.3	49,400
85	65.1	170.0	40,700
90	63.3	167.5	33,200
95	61.5	164.8	26,500
100	59.6	161.8	20,600
105	57.8	158.7	15,300
110	55.8	155.3	10,600
190 Ft. BOOM			
34	82.6	196.0	194,600 *
36	81.9	195.7	189,300 *
38	81.3	195.4	184,200 *
40	80.7	195.1	179,200 *
42	80.1	194.7	174,300 *
44	79.5	194.3	169,500 *
46	78.9	193.9	164,700 *
48	78.3	193.4	159,900 *
50	77.6	193.0	148,200
55	76.1	191.7	122,300
60	74.5	190.3	101,700
65	72.9	188.8	85,000
70	71.4	187.1	71,100
75	69.7	185.3	59,300
80	68.1	183.2	49,300
85	66.5	181.1	40,700
90	64.8	178.7	33,100
95	63.1	176.2	26,400
100	61.4	173.4	20,500
105	59.7	170.5	15,200
110	57.9	167.4	10,500

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	179,300 *
38	81.8	205.5	174,300 *
40	81.2	205.2	169,400 *
42	80.6	204.8	164,700 *
44	80.0	204.5	160,100 *
46	79.4	204.1	155,500 *
48	78.9	203.7	150,900 *
50	78.3	203.2	146,400 *
55	76.8	202.1	122,200
60	75.3	200.7	101,600
65	73.8	199.3	84,800
70	72.3	197.7	70,900
75	70.8	195.9	59,100
80	69.3	194.0	49,100
85	67.7	192.0	40,400
90	66.2	189.8	32,900
95	64.6	187.4	26,200
100	63.0	184.8	20,300
105	61.3	182.1	15,000
110	59.7	179.2	10,200
210 Ft. BOOM			
36	82.7	215.9	170,000 *
38	82.2	215.6	165,200 *
40	81.6	215.3	160,600 *
42	81.1	215.0	156,000 *
44	80.5	214.6	151,500 *
46	80.0	214.3	147,200 *
48	79.4	213.9	142,800 *
50	78.8	213.5	138,600 *
55	77.4	212.3	122,400
60	76.0	211.1	101,800
65	74.6	209.7	85,000
70	73.2	208.2	71,100
75	71.8	206.5	59,300
80	70.3	204.7	49,300
85	68.8	202.8	40,600
90	67.4	200.7	33,000
95	65.9	198.5	26,400
100	64.4	196.1	20,400
105	62.8	193.5	15,200
110	61.3	190.8	10,400



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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	446,700 *
24	79.5	86.1	442,400 *
25	78.7	85.9	438,200 *
26	78.0	85.6	420,600 *
27	77.3	85.4	403,800 *
28	76.5	85.1	388,100 *
29	75.8	84.8	373,400 *
30	75.0	84.5	359,600 *
32	73.5	83.9	334,500 *
34	72.0	83.2	306,300 *
36	70.5	82.4	276,200 *
38	68.9	81.6	250,200 *
40	67.3	80.7	227,300 *
42	65.8	79.8	207,200 *
44	64.2	78.7	189,200 *
46	62.5	77.6	173,200 *
48	60.9	76.5	158,700 *
50	59.2	75.2	145,600 *
55	54.8	71.7	117,800 *
60	50.2	67.6	95,300 *
65	45.1	62.7	76,600 *
70	39.6	56.8	59,500 *
75	33.3	49.4	39,500 *
90 Ft. BOOM			
21	82.6	96.9	447,800 *
22	81.9	96.7	443,200 *
23	81.3	96.5	438,700 *
24	80.6	96.3	434,300 *
25	80.0	96.1	430,000 *
26	79.3	95.9	421,800 *
27	78.7	95.7	405,000 *
28	78.0	95.4	389,300 *
29	77.4	95.2	374,700 *
30	76.7	94.9	360,900 *
32	75.4	94.4	335,900 *
34	74.1	93.7	313,600 *
36	72.7	93.1	287,200 *
38	71.4	92.4	260,600 *
40	70.0	91.6	237,400 *
42	68.6	90.8	216,800 *
44	67.2	89.9	198,600 *
46	65.8	88.9	182,300 *
48	64.4	87.9	167,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
50	63.0	86.8	154,300 *
55	59.3	83.9	126,000 *
60	55.4	80.4	103,200 *
65	51.3	76.5	84,400 *
70	47.0	71.8	68,500 *
75	42.3	66.5	54,900 *
80	37.1	60.0	42,200 *
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	414,300 *
26	80.4	106.1	410,300 *
27	79.8	105.9	405,500 *
28	79.3	105.7	389,900 *
29	78.7	105.5	375,300 *
30	78.1	105.2	361,600 *
32	76.9	104.7	336,600 *
34	75.7	104.2	314,300 *
36	74.5	103.6	289,900 *
38	73.3	103.0	267,500 *
40	72.1	102.3	246,100 *
42	70.9	101.5	225,200 *
44	69.7	100.8	206,600 *
46	68.4	99.9	189,900 *
48	67.2	99.0	175,000 *
50	65.9	98.1	161,400 *
55	62.7	95.5	132,600 *
60	59.3	92.5	109,400 *
65	55.9	89.2	90,300 *
70	52.3	85.3	74,300 *
75	48.5	80.9	60,700 *
80	44.4	75.9	48,800 *
85	40.0	70.0	38,500 *
90	35.1	63.1	28,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	321,700 *
27	80.8	116.1	318,900 *
28	80.3	115.9	316,100 *
29	79.7	115.7	313,400 *
30	79.2	115.5	310,800 *
32	78.1	115.0	305,800 *
34	77.0	114.6	295,300 *
36	76.0	114.0	264,500 *
38	74.9	113.4	238,300 *
40	73.8	112.8	215,800 *
42	72.7	112.2	196,200 *
44	71.6	111.5	179,100 *
46	70.5	110.7	163,900 *
48	69.4	109.9	150,300 *
50	68.2	109.1	138,200 *
55	65.4	106.8	112,700 *
60	62.4	104.2	92,400 *
65	59.4	101.2	75,900 *
70	56.3	97.9	62,300 *
75	53.0	94.1	50,700 *
80	49.6	89.9	40,900 *
85	46.0	85.1	32,300 *
90	42.2	79.7	24,900 *
95	38.0	73.4	18,300 *
100	33.3	66.0	12,500 *



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
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	313,900 *
28	81.1	126.1	311,600 *
29	80.6	125.9	309,300 *
30	80.1	125.7	307,200 *
32	79.1	125.3	303,000 *
34	78.1	124.8	296,900
36	77.2	124.4	266,100
38	76.2	123.8	239,900
40	75.2	123.3	217,300
42	74.2	122.7	197,700
44	73.2	122.0	180,500
46	72.2	121.4	165,300
48	71.2	120.6	151,800
50	70.1	119.9	139,600
55	67.6	117.8	114,100
60	64.9	115.5	93,800
65	62.2	112.8	77,300
70	59.5	109.9	63,600
75	56.6	106.6	52,000
80	53.6	102.9	42,100
85	50.6	98.8	33,600
90	47.3	94.2	26,100
95	43.9	89.1	19,600
100	40.2	83.3	13,700
130 Ft. BOOM			
26	82.7	136.6	307,000 *
27	82.2	136.4	304,600 *
28	81.8	136.2	302,300 *
29	81.3	136.1	300,100 *
30	80.9	135.9	297,900 *
32	80.0	135.5	293,700 *
34	79.1	135.1	289,600 *
36	78.2	134.6	268,000
38	77.3	134.2	241,800
40	76.4	133.6	219,200
42	75.4	133.1	199,600
44	74.5	132.5	182,400
46	73.6	131.9	167,100
48	72.7	131.2	153,600
50	71.7	130.5	141,400
55	69.4	128.7	115,900
60	67.0	126.5	95,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
65	64.5	124.1	79,000
70	62.1	121.5	65,300
75	59.5	118.5	53,800
80	56.9	115.3	43,900
85	54.2	111.7	35,300
90	51.3	107.7	27,900
95	48.4	103.3	21,300
100	45.3	98.4	15,500
105	42.0	92.9	10,300
140 Ft. BOOM			
27	82.8	146.5	298,000 *
28	82.4	146.4	295,800 *
29	81.9	146.2	293,800 *
30	81.5	146.0	291,800 *
32	80.7	145.7	287,900 *
34	79.9	145.3	280,100 *
36	79.0	144.9	268,600 *
38	78.2	144.4	242,800
40	77.4	144.0	220,200
42	76.5	143.5	200,500
44	75.7	142.9	183,300
46	74.8	142.3	168,000
48	74.0	141.7	154,400
50	73.1	141.1	142,200
55	70.9	139.4	116,700
60	68.7	137.4	96,300
65	66.5	135.2	79,800
70	64.2	132.8	66,000
75	61.9	130.1	54,500
80	59.5	127.2	44,600
85	57.1	124.0	36,000
90	54.6	120.4	28,500
95	52.0	116.5	21,900
100	49.3	112.2	16,100
105	46.5	107.5	10,900
150 Ft. BOOM			
28	82.9	156.5	259,600 *
29	82.5	156.3	257,400 *
30	82.1	156.2	255,300 *
32	81.3	155.8	251,200 *
34	80.6	155.5	244,600 *
36	79.8	155.1	236,600 *
38	79.0	154.7	229,000 *
40	78.2	154.2	221,100
42	77.4	153.8	201,400
44	76.6	153.3	184,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
46	75.8	152.7	168,800
48	75.1	152.2	155,200
50	74.3	151.6	143,000
55	72.3	150.0	117,400
60	70.2	148.2	97,000
65	68.2	146.2	80,500
70	66.1	143.9	66,700
75	63.9	141.5	55,100
80	61.8	138.8	45,200
85	59.6	135.9	36,600
90	57.3	132.6	29,200
95	55.0	129.1	22,600
100	52.6	125.3	16,700
105	50.1	121.2	11,500
160 Ft. BOOM			
29	83.0	166.4	250,700 *
30	82.6	166.3	248,800 *
32	81.9	166.0	243,200 *
34	81.1	165.7	234,800 *
36	80.4	165.3	226,900 *
38	79.7	164.9	219,300 *
40	79.0	164.5	212,100 *
42	78.2	164.0	201,900
44	77.5	163.6	184,600
46	76.8	163.1	169,300
48	76.0	162.6	155,700
50	75.3	162.0	143,400
55	73.4	160.5	117,800
60	71.5	158.8	97,400
65	69.6	157.0	80,800
70	67.7	154.9	67,000
75	65.7	152.6	55,400
80	63.7	150.2	45,500
85	61.7	147.5	36,900
90	59.6	144.5	29,400
95	57.5	141.3	22,800
100	55.3	137.9	17,000
105	53.1	134.1	11,700



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
170 Ft. BOOM			
30	83.0	176.4	242,300 *
32	82.4	176.1	234,000 *
34	81.7	175.8	225,900 *
36	81.0	175.5	218,100 *
38	80.3	175.1	210,700 *
40	79.6	174.7	203,600 *
42	78.9	174.3	196,800 *
44	78.2	173.8	185,400
46	77.5	173.4	170,100
48	76.9	172.9	156,500
50	76.2	172.4	144,200
55	74.4	171.0	118,500
60	72.6	169.4	98,100
65	70.9	167.6	81,500
70	69.1	165.7	67,800
75	67.2	163.6	56,100
80	65.4	161.3	46,200
85	63.5	158.8	37,600
90	61.6	156.1	30,100
95	59.6	153.2	23,500
100	57.6	150.0	17,700
105	55.6	146.6	12,400
180 Ft. BOOM			
32	82.8	186.2	223,200 *
34	82.1	185.9	215,300 *
36	81.5	185.6	207,800 *
38	80.9	185.3	200,600 *
40	80.2	184.9	193,700 *
42	79.6	184.5	187,100 *
44	78.9	184.1	180,800 *
46	78.3	183.6	170,300
48	77.6	183.2	156,700
50	76.9	182.7	144,400
55	75.3	181.4	118,700
60	73.6	179.9	98,300
65	72.0	178.3	81,600
70	70.3	176.5	67,800
75	68.6	174.5	56,200
80	66.8	172.3	46,300
85	65.1	170.0	37,700
90	63.3	167.5	30,200
95	61.5	164.8	23,500
100	59.6	161.8	17,700
105	57.8	158.7	12,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	191,500 *
36	81.9	195.7	186,200 *
38	81.3	195.4	181,000 *
40	80.7	195.1	176,100 *
42	80.1	194.7	171,200 *
44	79.5	194.3	166,300 *
46	78.9	193.9	161,500 *
48	78.3	193.4	156,700 *
50	77.6	193.0	144,600
55	76.1	191.7	118,800
60	74.5	190.3	98,400
65	72.9	188.8	81,700
70	71.4	187.1	67,900
75	69.7	185.3	56,300
80	68.1	183.2	46,300
85	66.5	181.1	37,700
90	64.8	178.7	30,200
95	63.1	176.2	23,600
100	61.4	173.4	17,700
105	59.7	170.5	12,400
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	176,200 *
38	81.8	205.5	171,200 *
40	81.2	205.2	166,300 *
42	80.6	204.8	161,600 *
44	80.0	204.5	156,900 *
46	79.4	204.1	152,300 *
48	78.9	203.7	147,800 *
50	78.3	203.2	143,200 *
55	76.8	202.1	118,800
60	75.3	200.7	98,300
65	73.8	199.3	81,600
70	72.3	197.7	67,800
75	70.8	195.9	56,100
80	69.3	194.0	46,200
85	67.7	192.0	37,500
90	66.2	189.8	30,000
95	64.6	187.4	23,400
100	63.0	184.8	17,500
105	61.3	182.1	12,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. BOOM			
36	82.7	215.9	166,800 *
38	82.2	215.6	162,100 *
40	81.6	215.3	157,500 *
42	81.1	215.0	152,800 *
44	80.5	214.6	148,400 *
46	80.0	214.3	144,000 *
48	79.4	213.9	139,700 *
50	78.8	213.5	135,400 *
55	77.4	212.3	119,100
60	76.0	211.1	98,600
65	74.6	209.7	81,900
70	73.2	208.2	68,000
75	71.8	206.5	56,400
80	70.3	204.7	46,400
85	68.8	202.8	37,800
90	67.4	200.7	30,200
95	65.9	198.5	23,600
100	64.4	196.1	17,700
105	62.8	193.5	12,400



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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	439,700 *
24	79.5	86.1	435,300 *
25	78.7	85.9	430,900 *
26	78.0	85.6	416,900 *
27	77.3	85.4	400,100 *
28	76.5	85.1	384,400 *
29	75.8	84.8	369,800 *
30	75.0	84.5	356,000 *
32	73.5	83.9	330,900 *
34	72.0	83.2	300,200 *
36	70.5	82.4	270,200 *
38	68.9	81.6	244,200 *
40	67.3	80.7	221,500 *
42	65.8	79.8	201,400 *
44	64.2	78.7	183,600 *
46	62.5	77.6	167,600 *
48	60.9	76.5	153,100 *
50	59.2	75.2	140,100 *
55	54.8	71.7	112,400 *
60	50.2	67.6	90,000 *
65	45.1	62.7	71,500 *
70	39.6	56.8	54,400 *
75	33.3	49.4	34,500 *
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	427,800 *
25	80.0	96.1	423,400 *
26	79.3	95.9	418,200 *
27	78.7	95.7	401,500 *
28	78.0	95.4	385,800 *
29	77.4	95.2	371,200 *
30	76.7	94.9	357,500 *
32	75.4	94.4	332,400 *
34	74.1	93.7	310,100 *
36	72.7	93.1	281,500 *
38	71.4	92.4	255,000 *
40	70.0	91.6	231,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	211,400 *
44	67.2	89.9	193,200 *
46	65.8	88.9	177,000 *
48	64.4	87.9	162,300 *
50	63.0	86.8	149,100 *
55	59.3	83.9	121,000 *
60	55.4	80.4	98,300 *
65	51.3	76.5	79,500 *
70	47.0	71.8	63,700 *
75	42.3	66.5	50,200 *
80	37.1	60.0	37,600 *
100 Ft. BOOM			
22	82.8	106.8	421,200 *
23	82.2	106.7	416,800 *
24	81.6	106.5	412,500 *
25	81.0	106.3	408,300 *
26	80.4	106.1	404,200 *
27	79.8	105.9	400,200 *
28	79.3	105.7	386,500 *
29	78.7	105.5	371,900 *
30	78.1	105.2	358,200 *
32	76.9	104.7	323,400 *
34	75.7	104.2	287,000 *
36	74.5	103.6	256,400 *
38	73.3	103.0	230,400 *
40	72.1	102.3	208,000 *
42	70.9	101.5	188,600 *
44	69.7	100.8	171,500 *
46	68.4	99.9	156,500 *
48	67.2	99.0	143,000 *
50	65.9	98.1	131,000 *
55	62.7	95.5	105,600 *
60	59.3	92.5	85,500 *
65	55.9	89.2	69,200 *
70	52.3	85.3	55,600 *
75	48.5	80.9	44,100 *
80	44.4	75.9	34,400 *
85	40.0	70.0	25,900 *
90	35.1	63.1	18,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	317,800 *
27	80.8	116.1	314,900 *
28	80.3	115.9	312,100 *
29	79.7	115.7	309,400 *
30	79.2	115.5	306,700 *
32	78.1	115.0	301,700 *
34	77.0	114.6	289,600 *
36	76.0	114.0	258,900 *
38	74.9	113.4	232,900 *
40	73.8	112.8	210,500 *
42	72.7	112.2	191,100 *
44	71.6	111.5	174,000 *
46	70.5	110.7	158,900 *
48	69.4	109.9	145,400 *
50	68.2	109.1	133,300 *
55	65.4	106.8	108,000 *
60	62.4	104.2	87,800 *
65	59.4	101.2	71,400 *
70	56.3	97.9	57,800 *
75	53.0	94.1	46,400 *
80	49.6	89.9	36,600 *
85	46.0	85.1	28,100 *
90	42.2	79.7	20,700 *
95	38.0	73.4	14,200 *



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
120 Ft. BOOM			
24	83.0	126.8	318,100 *
25	82.5	126.6	315,600 *
26	82.0	126.4	313,100 *
27	81.6	126.3	310,700 *
28	81.1	126.1	308,300 *
29	80.6	125.9	306,100 *
30	80.1	125.7	303,900 *
32	79.1	125.3	299,700 *
34	78.1	124.8	291,400
36	77.2	124.4	260,700
38	76.2	123.8	234,700
40	75.2	123.3	212,300
42	74.2	122.7	192,800
44	73.2	122.0	175,600
46	72.2	121.4	160,500
48	71.2	120.6	147,000
50	70.1	119.9	134,900
55	67.6	117.8	109,500
60	64.9	115.5	89,400
65	62.2	112.8	73,000
70	59.5	109.9	59,300
75	56.6	106.6	47,900
80	53.6	102.9	38,000
85	50.6	98.8	29,600
90	47.3	94.2	22,100
95	43.9	89.1	15,600
130 Ft. BOOM			
26	82.7	136.6	303,400 *
27	82.2	136.4	301,000 *
28	81.8	136.2	298,700 *
29	81.3	136.1	296,400 *
30	80.9	135.9	294,200 *
32	80.0	135.5	289,900 *
34	79.1	135.1	285,200 *
36	78.2	134.6	262,800
38	77.3	134.2	236,700
40	76.4	133.6	214,300
42	75.4	133.1	194,800
44	74.5	132.5	177,700
46	73.6	131.9	162,500
48	72.7	131.2	149,000
50	71.7	130.5	136,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
55	69.4	128.7	111,500
60	67.0	126.5	91,300
65	64.5	124.1	74,900
70	62.1	121.5	61,300
75	59.5	118.5	49,800
80	56.9	115.3	39,900
85	54.2	111.7	31,500
90	51.3	107.7	24,000
95	48.4	103.3	17,500
100	45.3	98.4	11,700
140 Ft. BOOM			
27	82.8	146.5	294,500 *
28	82.4	146.4	292,300 *
29	81.9	146.2	290,200 *
30	81.5	146.0	288,200 *
32	80.7	145.7	284,300 *
34	79.9	145.3	275,700 *
36	79.0	144.9	264,000
38	78.2	144.4	237,900
40	77.4	144.0	215,400
42	76.5	143.5	195,900
44	75.7	142.9	178,700
46	74.8	142.3	163,500
48	74.0	141.7	150,000
50	73.1	141.1	137,900
55	70.9	139.4	112,400
60	68.7	137.4	92,200
65	66.5	135.2	75,800
70	64.2	132.8	62,100
75	61.9	130.1	50,600
80	59.5	127.2	40,800
85	57.1	124.0	32,200
90	54.6	120.4	24,800
95	52.0	116.5	18,300
100	49.3	112.2	12,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	256,100 *
29	82.5	156.3	254,000 *
30	82.1	156.2	251,900 *
32	81.3	155.8	247,800 *
34	80.6	155.5	240,800 *
36	79.8	155.1	232,800 *
38	79.0	154.7	225,100 *
40	78.2	154.2	216,400
42	77.4	153.8	196,800
44	76.6	153.3	179,600
46	75.8	152.7	164,400
48	75.1	152.2	150,900
50	74.3	151.6	138,800
55	72.3	150.0	113,300
60	70.2	148.2	93,000
65	68.2	146.2	76,600
70	66.1	143.9	62,900
75	63.9	141.5	51,400
80	61.8	138.8	41,500
85	59.6	135.9	33,000
90	57.3	132.6	25,600
95	55.0	129.1	19,000
100	52.6	125.3	13,200



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
160 Ft. BOOM			
29	83.0	166.4	247,300 *
30	82.6	166.3	245,500 *
32	81.9	166.0	239,300 *
34	81.1	165.7	231,000 *
36	80.4	165.3	223,100 *
38	79.7	164.9	215,500 *
40	79.0	164.5	208,300 *
42	78.2	164.0	197,400
44	77.5	163.6	180,200
46	76.8	163.1	165,000
48	76.0	162.6	151,500
50	75.3	162.0	139,300
55	73.4	160.5	113,800
60	71.5	158.8	93,500
65	69.6	157.0	77,000
70	67.7	154.9	63,300
75	65.7	152.6	51,800
80	63.7	150.2	41,900
85	61.7	147.5	33,400
90	59.6	144.5	25,900
95	57.5	141.3	19,400
100	55.3	137.9	13,500
170 Ft. BOOM			
30	83.0	176.4	238,700 *
32	82.4	176.1	230,200 *
34	81.7	175.8	222,000 *
36	81.0	175.5	214,300 *
38	80.3	175.1	206,800 *
40	79.6	174.7	199,800 *
42	78.9	174.3	193,000 *
44	78.2	173.8	181,100
46	77.5	173.4	165,900
48	76.9	172.9	152,300
50	76.2	172.4	140,200
55	74.4	171.0	114,600
60	72.6	169.4	94,300
65	70.9	167.6	77,800
70	69.1	165.7	64,100
75	67.2	163.6	52,600
80	65.4	161.3	42,700
85	63.5	158.8	34,200
90	61.6	156.1	26,700
95	59.6	153.2	20,200
100	57.6	150.0	14,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	219,300 *
34	82.1	185.9	211,500 *
36	81.5	185.6	204,000 *
38	80.9	185.3	196,800 *
40	80.2	184.9	189,900 *
42	79.6	184.5	183,400 *
44	78.9	184.1	177,100 *
46	78.3	183.6	166,300
48	77.6	183.2	152,700
50	76.9	182.7	140,500
55	75.3	181.4	114,900
60	73.6	179.9	94,600
65	72.0	178.3	78,000
70	70.3	176.5	64,300
75	68.6	174.5	52,700
80	66.8	172.3	42,800
85	65.1	170.0	34,300
90	63.3	167.5	26,800
95	61.5	164.8	20,300
100	59.6	161.8	14,400
190 Ft. BOOM			
34	82.6	196.0	188,000 *
36	81.9	195.7	182,700 *
38	81.3	195.4	177,600 *
40	80.7	195.1	172,600 *
42	80.1	194.7	167,700 *
44	79.5	194.3	162,900 *
46	78.9	193.9	158,000 *
48	78.3	193.4	152,900
50	77.6	193.0	140,700
55	76.1	191.7	115,100
60	74.5	190.3	94,700
65	72.9	188.8	78,200
70	71.4	187.1	64,400
75	69.7	185.3	52,800
80	68.1	183.2	42,900
85	66.5	181.1	34,400
90	64.8	178.7	26,900
95	63.1	176.2	20,300
100	61.4	173.4	14,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	177,800 *
36	82.4	205.8	172,700 *
38	81.8	205.5	167,700 *
40	81.2	205.2	162,800 *
42	80.6	204.8	158,100 *
44	80.0	204.5	153,500 *
46	79.4	204.1	148,800 *
48	78.9	203.7	144,300 *
50	78.3	203.2	139,700 *
55	76.8	202.1	115,100
60	75.3	200.7	94,700
65	73.8	199.3	78,200
70	72.3	197.7	64,400
75	70.8	195.9	52,800
80	69.3	194.0	42,900
85	67.7	192.0	34,300
90	66.2	189.8	26,800
95	64.6	187.4	20,200
100	63.0	184.8	14,400



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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	434,000 *
24	79.5	86.1	429,300 *
25	78.7	85.9	424,900 *
26	78.0	85.6	413,900 *
27	77.3	85.4	397,100 *
28	76.5	85.1	381,400 *
29	75.8	84.8	366,700 *
30	75.0	84.5	353,000 *
32	73.5	83.9	327,900 *
34	72.0	83.2	295,000 *
36	70.5	82.4	265,100 *
38	68.9	81.6	239,300 *
40	67.3	80.7	216,600 *
42	65.8	79.8	196,700 *
44	64.2	78.7	178,900 *
46	62.5	77.6	163,000 *
48	60.9	76.5	148,600 *
50	59.2	75.2	135,700 *
55	54.8	71.7	108,100 *
60	50.2	67.6	85,900 *
65	45.1	62.7	67,400 *
70	39.6	56.8	50,500 *
75	33.3	49.4	30,700 *
90 Ft. BOOM			
21	82.6	96.9	435,900 *
22	81.9	96.7	431,000 *
23	81.3	96.5	426,200 *
24	80.6	96.3	421,600 *
25	80.0	96.1	417,100 *
26	79.3	95.9	412,800 *
27	78.7	95.7	398,500 *
28	78.0	95.4	382,900 *
29	77.4	95.2	368,300 *
30	76.7	94.9	354,600 *
32	75.4	94.4	314,700
34	74.1	93.7	278,500
36	72.7	93.1	248,200
38	71.4	92.4	222,400
40	70.0	91.6	200,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	181,000
44	67.2	89.9	164,100
46	65.8	88.9	149,100
48	64.4	87.9	135,800
50	63.0	86.8	123,800
55	59.3	83.9	98,700
60	55.4	80.4	78,800
65	51.3	76.5	62,600
70	47.0	71.8	49,200
75	42.3	66.5	37,800
80	37.1	60.0	28,200
100 Ft. BOOM			
22	82.8	106.8	415,800 *
23	82.2	106.7	411,300 *
24	81.6	106.5	406,900 *
25	81.0	106.3	402,700 *
26	80.4	106.1	398,500 *
27	79.8	105.9	394,400 *
28	79.3	105.7	383,800 *
29	78.7	105.5	369,200 *
30	78.1	105.2	355,500 *
32	76.9	104.7	318,100
34	75.7	104.2	281,800
36	74.5	103.6	251,500
38	73.3	103.0	225,600
40	72.1	102.3	203,400
42	70.9	101.5	184,100
44	69.7	100.8	167,200
46	68.4	99.9	152,200
48	67.2	99.0	138,800
50	65.9	98.1	126,800
55	62.7	95.5	101,700
60	59.3	92.5	81,700
65	55.9	89.2	65,500
70	52.3	85.3	52,000
75	48.5	80.9	40,600
80	44.4	75.9	30,900
85	40.0	70.0	22,600
90	35.1	63.1	15,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	314,300 *
27	80.8	116.1	311,300 *
28	80.3	115.9	308,500 *
29	79.7	115.7	305,700 *
30	79.2	115.5	303,000 *
32	78.1	115.0	297,900 *
34	77.0	114.6	284,700
36	76.0	114.0	254,200
38	74.9	113.4	228,400
40	73.8	112.8	206,100
42	72.7	112.2	186,800
44	71.6	111.5	169,800
46	70.5	110.7	154,800
48	69.4	109.9	141,400
50	68.2	109.1	129,400
55	65.4	106.8	104,200
60	62.4	104.2	84,200
65	59.4	101.2	67,900
70	56.3	97.9	54,400
75	53.0	94.1	43,100
80	49.6	89.9	33,300
85	46.0	85.1	24,900
90	42.2	79.7	17,600
95	38.0	73.4	11,200



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
120 Ft. BOOM			
24	83.0	126.8	315,900 *
25	82.5	126.6	313,300 *
26	82.0	126.4	310,800 *
27	81.6	126.3	308,400 *
28	81.1	126.1	306,000 *
29	80.6	125.9	303,700 *
30	80.1	125.7	301,500 *
32	79.1	125.3	297,200 *
34	78.1	124.8	286,700
36	77.2	124.4	256,200
38	76.2	123.8	230,300
40	75.2	123.3	208,000
42	74.2	122.7	188,600
44	73.2	122.0	171,600
46	72.2	121.4	156,600
48	71.2	120.6	143,200
50	70.1	119.9	131,200
55	67.6	117.8	106,000
60	64.9	115.5	85,900
65	62.2	112.8	69,600
70	59.5	109.9	56,100
75	56.6	106.6	44,700
80	53.6	102.9	34,900
85	50.6	98.8	26,500
90	47.3	94.2	19,200
95	43.9	89.1	12,700
130 Ft. BOOM			
26	82.7	136.6	300,200 *
27	82.2	136.4	297,800 *
28	81.8	136.2	295,400 *
29	81.3	136.1	293,100 *
30	80.9	135.9	290,800 *
32	80.0	135.5	286,500 *
34	79.1	135.1	281,100 *
36	78.2	134.6	258,400
38	77.3	134.2	232,500
40	76.4	133.6	210,200
42	75.4	133.1	190,800
44	74.5	132.5	173,800
46	73.6	131.9	158,700
48	72.7	131.2	145,300
50	71.7	130.5	133,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
55	69.4	128.7	108,000
60	67.0	126.5	88,000
65	64.5	124.1	71,700
70	62.1	121.5	58,100
75	59.5	118.5	46,700
80	56.9	115.3	37,000
85	54.2	111.7	28,500
90	51.3	107.7	21,200
95	48.4	103.3	14,700
140 Ft. BOOM			
27	82.8	146.5	291,300 *
28	82.4	146.4	289,200 *
29	81.9	146.2	287,000 *
30	81.5	146.0	285,000 *
32	80.7	145.7	281,000 *
34	79.9	145.3	271,600 *
36	79.0	144.9	259,800
38	78.2	144.4	233,800
40	77.4	144.0	211,400
42	76.5	143.5	192,000
44	75.7	142.9	175,000
46	74.8	142.3	159,900
48	74.0	141.7	146,400
50	73.1	141.1	134,400
55	70.9	139.4	109,100
60	68.7	137.4	89,000
65	66.5	135.2	72,700
70	64.2	132.8	59,100
75	61.9	130.1	47,700
80	59.5	127.2	37,900
85	57.1	124.0	29,500
90	54.6	120.4	22,100
95	52.0	116.5	15,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	253,100 *
29	82.5	156.3	250,900 *
30	82.1	156.2	248,800 *
32	81.3	155.8	244,600 *
34	80.6	155.5	237,300 *
36	79.8	155.1	229,300 *
38	79.0	154.7	221,700 *
40	78.2	154.2	212,500
42	77.4	153.8	193,100
44	76.6	153.3	176,000
46	75.8	152.7	160,900
48	75.1	152.2	147,400
50	74.3	151.6	135,400
55	72.3	150.0	110,100
60	70.2	148.2	89,900
65	68.2	146.2	73,600
70	66.1	143.9	60,000
75	63.9	141.5	48,500
80	61.8	138.8	38,800
85	59.6	135.9	30,300
90	57.3	132.6	22,900
95	55.0	129.1	16,400
100	52.6	125.3	10,600



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
160 Ft. BOOM			
29	83.0	166.4	244,300 *
30	82.6	166.3	242,500 *
32	81.9	166.0	235,800 *
34	81.1	165.7	227,500 *
36	80.4	165.3	219,600 *
38	79.7	164.9	212,000 *
40	79.0	164.5	204,800 *
42	78.2	164.0	193,800
44	77.5	163.6	176,700
46	76.8	163.1	161,600
48	76.0	162.6	148,100
50	75.3	162.0	136,000
55	73.4	160.5	110,600
60	71.5	158.8	90,500
65	69.6	157.0	74,100
70	67.7	154.9	60,500
75	65.7	152.6	49,000
80	63.7	150.2	39,200
85	61.7	147.5	30,800
90	59.6	144.5	23,400
95	57.5	141.3	16,900
100	55.3	137.9	11,100
170 Ft. BOOM			
30	83.0	176.4	235,100 *
32	82.4	176.1	226,600 *
34	81.7	175.8	218,500 *
36	81.0	175.5	210,800 *
38	80.3	175.1	203,400 *
40	79.6	174.7	196,300 *
42	78.9	174.3	189,600 *
44	78.2	173.8	177,700
46	77.5	173.4	162,600
48	76.9	172.9	149,100
50	76.2	172.4	137,000
55	74.4	171.0	111,600
60	72.6	169.4	91,400
65	70.9	167.6	75,000
70	69.1	165.7	61,400
75	67.2	163.6	49,900
80	65.4	161.3	40,100
85	63.5	158.8	31,600
90	61.6	156.1	24,200
95	59.6	153.2	17,700
100	57.6	150.0	12,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	215,800 *
34	82.1	185.9	208,000 *
36	81.5	185.6	200,500 *
38	80.9	185.3	193,300 *
40	80.2	184.9	186,500 *
42	79.6	184.5	179,900 *
44	78.9	184.1	173,700 *
46	78.3	183.6	163,000
48	77.6	183.2	149,500
50	76.9	182.7	137,300
55	75.3	181.4	111,900
60	73.6	179.9	91,700
65	72.0	178.3	75,300
70	70.3	176.5	61,600
75	68.6	174.5	50,100
80	66.8	172.3	40,300
85	65.1	170.0	31,800
90	63.3	167.5	24,400
95	61.5	164.8	17,900
100	59.6	161.8	12,100
190 Ft. BOOM			
34	82.6	196.0	184,900 *
36	81.9	195.7	179,600 *
38	81.3	195.4	174,500 *
40	80.7	195.1	169,500 *
42	80.1	194.7	164,600 *
44	79.5	194.3	159,700 *
46	78.9	193.9	154,800 *
48	78.3	193.4	149,800
50	77.6	193.0	137,600
55	76.1	191.7	112,200
60	74.5	190.3	92,000
65	72.9	188.8	75,500
70	71.4	187.1	61,800
75	69.7	185.3	50,300
80	68.1	183.2	40,500
85	66.5	181.1	32,000
90	64.8	178.7	24,600
95	63.1	176.2	18,000
100	61.4	173.4	12,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	174,600 *
36	82.4	205.8	169,500 *
38	81.8	205.5	164,600 *
40	81.2	205.2	159,700 *
42	80.6	204.8	155,000 *
44	80.0	204.5	150,400 *
46	79.4	204.1	145,700 *
48	78.9	203.7	141,100 *
50	78.3	203.2	136,600 *
55	76.8	202.1	112,300
60	75.3	200.7	92,000
65	73.8	199.3	75,500
70	72.3	197.7	61,900
75	70.8	195.9	50,300
80	69.3	194.0	40,500
85	67.7	192.0	32,000
90	66.2	189.8	24,500
95	64.6	187.4	18,000
100	63.0	184.8	12,200



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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	431,500 *
23	80.2	86.3	426,600 *
24	79.5	86.1	421,800 *
25	78.7	85.9	417,200 *
26	78.0	85.6	410,000 *
27	77.3	85.4	393,200 *
28	76.5	85.1	377,500 *
29	75.8	84.8	362,900 *
30	75.0	84.5	346,600 *
32	73.5	83.9	302,900 *
34	72.0	83.2	267,000 *
36	70.5	82.4	236,900 *
38	68.9	81.6	211,400 *
40	67.3	80.7	189,400 *
42	65.8	79.8	170,300 *
44	64.2	78.7	153,500 *
46	62.5	77.6	138,600 *
48	60.9	76.5	125,400 *
50	59.2	75.2	113,600 *
55	54.8	71.7	88,700 *
60	50.2	67.6	69,000 *
65	45.1	62.7	52,900 *
70	39.6	56.8	39,600 *
75	33.3	49.4	25,400 *
90 Ft. BOOM			
21	82.6	96.9	430,200 *
22	81.9	96.7	425,200 *
23	81.3	96.5	420,300 *
24	80.6	96.3	415,600 *
25	80.0	96.1	411,000 *
26	79.3	95.9	406,500 *
27	78.7	95.7	394,900 *
28	78.0	95.4	379,200 *
29	77.4	95.2	364,600 *
30	76.7	94.9	350,900 *
32	75.4	94.4	307,900 *
34	74.1	93.7	271,900 *
36	72.7	93.1	241,800 *
38	71.4	92.4	216,200 *
40	70.0	91.6	194,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	175,000
44	67.2	89.9	158,200
46	65.8	88.9	143,300
48	64.4	87.9	130,000
50	63.0	86.8	118,200
55	59.3	83.9	93,300
60	55.4	80.4	73,500
65	51.3	76.5	57,400
70	47.0	71.8	44,000
75	42.3	66.5	32,800
80	37.1	60.0	23,200
100 Ft. BOOM			
22	82.8	106.8	410,600 *
23	82.2	106.7	406,000 *
24	81.6	106.5	401,500 *
25	81.0	106.3	397,100 *
26	80.4	106.1	392,800 *
27	79.8	105.9	388,700 *
28	79.3	105.7	380,200 *
29	78.7	105.5	365,700 *
30	78.1	105.2	352,000 *
32	76.9	104.7	311,600 *
34	75.7	104.2	275,600 *
36	74.5	103.6	245,300 *
38	73.3	103.0	219,700 *
40	72.1	102.3	197,600 *
42	70.9	101.5	178,400 *
44	69.7	100.8	161,500 *
46	68.4	99.9	146,600 *
48	67.2	99.0	133,400 *
50	65.9	98.1	121,500 *
55	62.7	95.5	96,500 *
60	59.3	92.5	76,700 *
65	55.9	89.2	60,500 *
70	52.3	85.3	47,100 *
75	48.5	80.9	35,900 *
80	44.4	75.9	26,200 *
85	40.0	70.0	17,900 *
90	35.1	63.1	10,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	310,800 *
27	80.8	116.1	307,800 *
28	80.3	115.9	304,900 *
29	79.7	115.7	302,100 *
30	79.2	115.5	299,400 *
32	78.1	115.0	294,100 *
34	77.0	114.6	278,600 *
36	76.0	114.0	248,400 *
38	74.9	113.4	222,700 *
40	73.8	112.8	200,500 *
42	72.7	112.2	181,300 *
44	71.6	111.5	164,400 *
46	70.5	110.7	149,500 *
48	69.4	109.9	136,200 *
50	68.2	109.1	124,300 *
55	65.4	106.8	99,300 *
60	62.4	104.2	79,400 *
65	59.4	101.2	63,200 *
70	56.3	97.9	49,800 *
75	53.0	94.1	38,500 *
80	49.6	89.9	28,800 *
85	46.0	85.1	20,500 *
90	42.2	79.7	13,200 *



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
120 Ft. BOOM			
24	83.0	126.8	312,700 *
25	82.5	126.6	310,100 *
26	82.0	126.4	307,500 *
27	81.6	126.3	305,000 *
28	81.1	126.1	302,600 *
29	80.6	125.9	300,300 *
30	80.1	125.7	298,100 *
32	79.1	125.3	293,800 *
34	78.1	124.8	280,900
36	77.2	124.4	250,600
38	76.2	123.8	224,800
40	75.2	123.3	202,700
42	74.2	122.7	183,400
44	73.2	122.0	166,500
46	72.2	121.4	151,500
48	71.2	120.6	138,200
50	70.1	119.9	126,300
55	67.6	117.8	101,200
60	64.9	115.5	81,300
65	62.2	112.8	65,100
70	59.5	109.9	51,600
75	56.6	106.6	40,300
80	53.6	102.9	30,600
85	50.6	98.8	22,300
90	47.3	94.2	15,000
130 Ft. BOOM			
26	82.7	136.6	297,000 *
27	82.2	136.4	294,500 *
28	81.8	136.2	292,100 *
29	81.3	136.1	289,800 *
30	80.9	135.9	287,500 *
32	80.0	135.5	283,100 *
34	79.1	135.1	277,200 *
36	78.2	134.6	253,000
38	77.3	134.2	227,200
40	76.4	133.6	205,000
42	75.4	133.1	185,700
44	74.5	132.5	168,800
46	73.6	131.9	153,800
48	72.7	131.2	140,500
50	71.7	130.5	128,600
55	69.4	128.7	103,500
60	67.0	126.5	83,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
65	64.5	124.1	67,300
70	62.1	121.5	53,900
75	59.5	118.5	42,500
80	56.9	115.3	32,800
85	54.2	111.7	24,500
90	51.3	107.7	17,200
95	48.4	103.3	10,700
140 Ft. BOOM			
27	82.8	146.5	288,200 *
28	82.4	146.4	286,000 *
29	81.9	146.2	283,900 *
30	81.5	146.0	281,800 *
32	80.7	145.7	277,800 *
34	79.9	145.3	267,700 *
36	79.0	144.9	254,500
38	78.2	144.4	228,600
40	77.4	144.0	206,400
42	76.5	143.5	187,100
44	75.7	142.9	170,100
46	74.8	142.3	155,100
48	74.0	141.7	141,800
50	73.1	141.1	129,800
55	70.9	139.4	104,700
60	68.7	137.4	84,700
65	66.5	135.2	68,400
70	64.2	132.8	55,000
75	61.9	130.1	43,600
80	59.5	127.2	33,900
85	57.1	124.0	25,500
90	54.6	120.4	18,200
95	52.0	116.5	11,800
150 Ft. BOOM			
28	82.9	156.5	250,000 *
29	82.5	156.3	247,800 *
30	82.1	156.2	245,700 *
32	81.3	155.8	241,500 *
34	80.6	155.5	233,900 *
36	79.8	155.1	225,900 *
38	79.0	154.7	218,300 *
40	78.2	154.2	207,600
42	77.4	153.8	188,300
44	76.6	153.3	171,300
46	75.8	152.7	156,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
48	75.1	152.2	142,900
50	74.3	151.6	130,900
55	72.3	150.0	105,800
60	70.2	148.2	85,800
65	68.2	146.2	69,500
70	66.1	143.9	56,000
75	63.9	141.5	44,600
80	61.8	138.8	34,900
85	59.6	135.9	26,500
90	57.3	132.6	19,200
95	55.0	129.1	12,700
160 Ft. BOOM			
29	83.0	166.4	241,400 *
30	82.6	166.3	239,500 *
32	81.9	166.0	232,400 *
34	81.1	165.7	224,100 *
36	80.4	165.3	216,200 *
38	79.7	164.9	208,600 *
40	79.0	164.5	201,500 *
42	78.2	164.0	189,100
44	77.5	163.6	172,100
46	76.8	163.1	157,100
48	76.0	162.6	143,700
50	75.3	162.0	131,700
55	73.4	160.5	106,500
60	71.5	158.8	86,400
65	69.6	157.0	70,100
70	67.7	154.9	56,600
75	65.7	152.6	45,200
80	63.7	150.2	35,500
85	61.7	147.5	27,100
90	59.6	144.5	19,700
95	57.5	141.3	13,200



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
170 Ft. BOOM			
30	83.0	176.4	231,700 *
32	82.4	176.1	223,200 *
34	81.7	175.8	215,100 *
36	81.0	175.5	207,400 *
38	80.3	175.1	200,000 *
40	79.6	174.7	192,900 *
42	78.9	174.3	186,200 *
44	78.2	173.8	173,200
46	77.5	173.4	158,200
48	76.9	172.9	144,800
50	76.2	172.4	132,700
55	74.4	171.0	107,500
60	72.6	169.4	87,500
65	70.9	167.6	71,100
70	69.1	165.7	57,600
75	67.2	163.6	46,200
80	65.4	161.3	36,500
85	63.5	158.8	28,000
90	61.6	156.1	20,700
95	59.6	153.2	14,200
180 Ft. BOOM			
32	82.8	186.2	212,300 *
34	82.1	185.9	204,600 *
36	81.5	185.6	197,100 *
38	80.9	185.3	189,900 *
40	80.2	184.9	183,100 *
42	79.6	184.5	176,600 *
44	78.9	184.1	170,300 *
46	78.3	183.6	158,700
48	77.6	183.2	145,200
50	76.9	182.7	133,200
55	75.3	181.4	107,900
60	73.6	179.9	87,800
65	72.0	178.3	71,500
70	70.3	176.5	57,900
75	68.6	174.5	46,500
80	66.8	172.3	36,700
85	65.1	170.0	28,300
90	63.3	167.5	20,900
95	61.5	164.8	14,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	181,800 *
36	81.9	195.7	176,500 *
38	81.3	195.4	171,400 *
40	80.7	195.1	166,500 *
42	80.1	194.7	161,600 *
44	79.5	194.3	156,600 *
46	78.9	193.9	151,700 *
48	78.3	193.4	145,600
50	77.6	193.0	133,600
55	76.1	191.7	108,300
60	74.5	190.3	88,200
65	72.9	188.8	71,800
70	71.4	187.1	58,200
75	69.7	185.3	46,800
80	68.1	183.2	37,000
85	66.5	181.1	28,600
90	64.8	178.7	21,200
95	63.1	176.2	14,700
200 Ft. BOOM			
34	82.9	206.1	171,500 *
36	82.4	205.8	166,500 *
38	81.8	205.5	161,500 *
40	81.2	205.2	156,700 *
42	80.6	204.8	152,000 *
44	80.0	204.5	147,300 *
46	79.4	204.1	142,700 *
48	78.9	203.7	138,000 *
50	78.3	203.2	133,500 *
55	76.8	202.1	108,400
60	75.3	200.7	88,300
65	73.8	199.3	71,900
70	72.3	197.7	58,300
75	70.8	195.9	46,800
80	69.3	194.0	37,000
85	67.7	192.0	28,600
90	66.2	189.8	21,200
95	64.6	187.4	14,700



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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	424,400 *
23	80.2	86.3	419,300 *
24	79.5	86.1	414,400 *
25	78.7	85.9	409,600 *
26	78.0	85.6	404,900 *
27	77.3	85.4	389,400 *
28	76.5	85.1	373,700 *
29	75.8	84.8	359,100 *
30	75.0	84.5	339,100
32	73.5	83.9	295,700
34	72.0	83.2	260,100
36	70.5	82.4	230,200
38	68.9	81.6	204,800
40	67.3	80.7	182,900
42	65.8	79.8	164,000
44	64.2	78.7	147,300
46	62.5	77.6	132,600
48	60.9	76.5	119,400
50	59.2	75.2	107,700
55	54.8	71.7	83,000
60	50.2	67.6	63,400
65	45.1	62.7	47,500
70	39.6	56.8	34,400
75	33.3	49.4	20,400 *
90 Ft. BOOM			
21	82.6	96.9	423,900 *
22	81.9	96.7	418,800 *
23	81.3	96.5	413,800 *
24	80.6	96.3	408,900 *
25	80.0	96.1	404,200 *
26	79.3	95.9	399,600 *
27	78.7	95.7	391,200 *
28	78.0	95.4	375,600 *
29	77.4	95.2	361,000 *
30	76.7	94.9	344,500
32	75.4	94.4	301,100
34	74.1	93.7	265,400
36	72.7	93.1	235,400
38	71.4	92.4	210,000
40	70.0	91.6	188,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	169,100
44	67.2	89.9	152,400
46	65.8	88.9	137,600
48	64.4	87.9	124,400
50	63.0	86.8	112,700
55	59.3	83.9	87,900
60	55.4	80.4	68,300
65	51.3	76.5	52,300
70	47.0	71.8	39,100
75	42.3	66.5	28,000
80	37.1	60.0	18,500
100 Ft. BOOM			
22	82.8	106.8	404,700 *
23	82.2	106.7	400,000 *
24	81.6	106.5	395,400 *
25	81.0	106.3	390,900 *
26	80.4	106.1	386,500 *
27	79.8	105.9	382,300 *
28	79.3	105.7	376,800 *
29	78.7	105.5	362,200 *
30	78.1	105.2	348,600 *
32	76.9	104.7	305,100
34	75.7	104.2	269,300
36	74.5	103.6	239,300
38	73.3	103.0	213,800
40	72.1	102.3	191,800
42	70.9	101.5	172,800
44	69.7	100.8	156,000
46	68.4	99.9	141,200
48	67.2	99.0	128,100
50	65.9	98.1	116,200
55	62.7	95.5	91,500
60	59.3	92.5	71,800
65	55.9	89.2	55,700
70	52.3	85.3	42,500
75	48.5	80.9	31,300
80	44.4	75.9	21,800
85	40.0	70.0	13,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	306,900 *
27	80.8	116.1	303,800 *
28	80.3	115.9	300,900 *
29	79.7	115.7	298,000 *
30	79.2	115.5	295,300 *
32	78.1	115.0	290,000 *
34	77.0	114.6	272,600
36	76.0	114.0	242,600
38	74.9	113.4	217,000
40	73.8	112.8	195,000
42	72.7	112.2	175,900
44	71.6	111.5	159,200
46	70.5	110.7	144,300
48	69.4	109.9	131,100
50	68.2	109.1	119,300
55	65.4	106.8	94,500
60	62.4	104.2	74,700
65	59.4	101.2	58,700
70	56.3	97.9	45,400
75	53.0	94.1	34,200
80	49.6	89.9	24,600
85	46.0	85.1	16,300



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
120 Ft. BOOM			
24	83.0	126.8	309,600 *
25	82.5	126.6	306,900 *
26	82.0	126.4	304,400 *
27	81.6	126.3	301,900 *
28	81.1	126.1	299,500 *
29	80.6	125.9	297,100 *
30	80.1	125.7	294,800 *
32	79.1	125.3	290,400 *
34	78.1	124.8	275,100
36	77.2	124.4	245,000
38	76.2	123.8	219,400
40	75.2	123.3	197,400
42	74.2	122.7	178,200
44	73.2	122.0	161,400
46	72.2	121.4	146,600
48	71.2	120.6	133,400
50	70.1	119.9	121,500
55	67.6	117.8	96,600
60	64.9	115.5	76,800
65	62.2	112.8	60,700
70	59.5	109.9	47,400
75	56.6	106.6	36,200
80	53.6	102.9	26,600
85	50.6	98.8	18,300
90	47.3	94.2	11,100
130 Ft. BOOM			
26	82.7	136.6	297,000 *
27	82.2	136.4	294,500 *
28	81.8	136.2	292,100 *
29	81.3	136.1	289,700 *
30	80.9	135.9	287,500 *
32	80.0	135.5	283,100 *
34	79.1	135.1	277,200 *
36	78.2	134.6	247,600
38	77.3	134.2	221,900
40	76.4	133.6	199,900
42	75.4	133.1	180,700
44	74.5	132.5	163,900
46	73.6	131.9	149,100
48	72.7	131.2	135,800
50	71.7	130.5	124,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
55	69.4	128.7	99,000
60	67.0	126.5	79,200
65	64.5	124.1	63,100
70	62.1	121.5	49,800
75	59.5	118.5	38,500
80	56.9	115.3	28,900
85	54.2	111.7	20,600
90	51.3	107.7	13,400
140 Ft. BOOM			
27	82.8	146.5	284,800 *
28	82.4	146.4	282,500 *
29	81.9	146.2	280,400 *
30	81.5	146.0	278,300 *
32	80.7	145.7	274,200 *
34	79.9	145.3	263,300 *
36	79.0	144.9	249,200
38	78.2	144.4	223,500
40	77.4	144.0	201,400
42	76.5	143.5	182,300
44	75.7	142.9	165,400
46	74.8	142.3	150,500
48	74.0	141.7	137,300
50	73.1	141.1	125,400
55	70.9	139.4	100,400
60	68.7	137.4	80,600
65	66.5	135.2	64,400
70	64.2	132.8	51,000
75	61.9	130.1	39,800
80	59.5	127.2	30,100
85	57.1	124.0	21,800
90	54.6	120.4	14,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	246,600 *
29	82.5	156.3	244,400 *
30	82.1	156.2	242,300 *
32	81.3	155.8	238,100 *
34	80.6	155.5	230,100 *
36	79.8	155.1	222,100 *
38	79.0	154.7	214,500 *
40	78.2	154.2	202,800
42	77.4	153.8	183,600
44	76.6	153.3	166,700
46	75.8	152.7	151,800
48	75.1	152.2	138,500
50	74.3	151.6	126,600
55	72.3	150.0	101,600
60	70.2	148.2	81,700
65	68.2	146.2	65,600
70	66.1	143.9	52,200
75	63.9	141.5	40,900
80	61.8	138.8	31,200
85	59.6	135.9	22,900
90	57.3	132.6	15,600



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
160 Ft. BOOM			
29	83.0	166.4	238,100 *
30	82.6	166.3	236,200 *
32	81.9	166.0	228,600 *
34	81.1	165.7	220,300 *
36	80.4	165.3	212,400 *
38	79.7	164.9	204,900 *
40	79.0	164.5	197,700 *
42	78.2	164.0	184,600
44	77.5	163.6	167,700
46	76.8	163.1	152,700
48	76.0	162.6	139,400
50	75.3	162.0	127,500
55	73.4	160.5	102,400
60	71.5	158.8	82,500
65	69.6	157.0	66,300
70	67.7	154.9	52,900
75	65.7	152.6	41,600
80	63.7	150.2	31,900
85	61.7	147.5	23,600
90	59.6	144.5	16,300
170 Ft. BOOM			
30	83.0	176.4	227,800 *
32	82.4	176.1	219,400 *
34	81.7	175.8	211,300 *
36	81.0	175.5	203,600 *
38	80.3	175.1	196,200 *
40	79.6	174.7	189,200 *
42	78.9	174.3	182,500 *
44	78.2	173.8	168,900
46	77.5	173.4	153,900
48	76.9	172.9	140,600
50	76.2	172.4	128,600
55	74.4	171.0	103,600
60	72.6	169.4	83,700
65	70.9	167.6	67,500
70	69.1	165.7	54,000
75	67.2	163.6	42,700
80	65.4	161.3	33,000
85	63.5	158.8	24,700
90	61.6	156.1	17,400
95	59.6	153.2	10,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	208,500 *
34	82.1	185.9	200,700 *
36	81.5	185.6	193,300 *
38	80.9	185.3	186,200 *
40	80.2	184.9	179,400 *
42	79.6	184.5	172,900 *
44	78.9	184.1	166,600 *
46	78.3	183.6	154,500
48	77.6	183.2	141,100
50	76.9	182.7	129,200
55	75.3	181.4	104,100
60	73.6	179.9	84,100
65	72.0	178.3	67,900
70	70.3	176.5	54,400
75	68.6	174.5	43,100
80	66.8	172.3	33,400
85	65.1	170.0	25,000
90	63.3	167.5	17,700
95	61.5	164.8	11,300
190 Ft. BOOM			
34	82.6	196.0	178,400 *
36	81.9	195.7	173,100 *
38	81.3	195.4	168,100 *
40	80.7	195.1	163,100 *
42	80.1	194.7	158,100 *
44	79.5	194.3	153,100 *
46	78.9	193.9	148,200 *
48	78.3	193.4	141,600
50	77.6	193.0	129,600
55	76.1	191.7	104,500
60	74.5	190.3	84,500
65	72.9	188.8	68,300
70	71.4	187.1	54,800
75	69.7	185.3	43,400
80	68.1	183.2	33,700
85	66.5	181.1	25,300
90	64.8	178.7	18,000
95	63.1	176.2	11,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	168,100 *
36	82.4	205.8	163,100 *
38	81.8	205.5	158,100 *
40	81.2	205.2	153,300 *
42	80.6	204.8	148,600 *
44	80.0	204.5	143,900 *
46	79.4	204.1	139,200 *
48	78.9	203.7	134,600 *
50	78.3	203.2	129,900
55	76.8	202.1	104,700
60	75.3	200.7	84,700
65	73.8	199.3	68,500
70	72.3	197.7	54,900
75	70.8	195.9	43,600
80	69.3	194.0	33,800
85	67.7	192.0	25,400
90	66.2	189.8	18,100
95	64.6	187.4	11,600



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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	416,700 *
23	80.2	86.3	411,400 *
24	79.5	86.1	406,300 *
25	78.7	85.9	401,300 *
26	78.0	85.6	396,500 *
27	77.3	85.4	385,300 *
28	76.5	85.1	369,600 *
29	75.8	84.8	355,000 *
30	75.0	84.5	331,100
32	73.5	83.9	288,000
34	72.0	83.2	252,600
36	70.5	82.4	222,900
38	68.9	81.6	197,700
40	67.3	80.7	176,000
42	65.8	79.8	157,100
44	64.2	78.7	140,600
46	62.5	77.6	126,000
48	60.9	76.5	112,900
50	59.2	75.2	101,300
55	54.8	71.7	76,800
60	50.2	67.6	57,300
65	45.1	62.7	41,600
70	39.6	56.8	28,500
75	33.3	49.4	14,800 *
90 Ft. BOOM			
21	82.6	96.9	416,900 *
22	81.9	96.7	411,700 *
23	81.3	96.5	406,500 *
24	80.6	96.3	401,500 *
25	80.0	96.1	396,700 *
26	79.3	95.9	391,900 *
27	78.7	95.7	387,300 *
28	78.0	95.4	371,700 *
29	77.4	95.2	357,100 *
30	76.7	94.9	337,000
32	75.4	94.4	293,800
34	74.1	93.7	258,300
36	72.7	93.1	228,600
38	71.4	92.4	203,300
40	70.0	91.6	181,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	162,600
44	67.2	89.9	146,100
46	65.8	88.9	131,400
48	64.4	87.9	118,300
50	63.0	86.8	106,600
55	59.3	83.9	82,100
60	55.4	80.4	62,600
65	51.3	76.5	46,700
70	47.0	71.8	33,600
75	42.3	66.5	22,600
80	37.1	60.0	13,200
100 Ft. BOOM			
22	82.8	106.8	398,200 *
23	82.2	106.7	393,400 *
24	81.6	106.5	388,700 *
25	81.0	106.3	384,100 *
26	80.4	106.1	379,600 *
27	79.8	105.9	375,300 *
28	79.3	105.7	371,100 *
29	78.7	105.5	358,500 *
30	78.1	105.2	341,400
32	76.9	104.7	298,200
34	75.7	104.2	262,600
36	74.5	103.6	232,800
38	73.3	103.0	207,400
40	72.1	102.3	185,600
42	70.9	101.5	166,700
44	69.7	100.8	150,100
46	68.4	99.9	135,400
48	67.2	99.0	122,300
50	65.9	98.1	110,500
55	62.7	95.5	85,900
60	59.3	92.5	66,400
65	55.9	89.2	50,500
70	52.3	85.3	37,300
75	48.5	80.9	26,200
80	44.4	75.9	16,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	302,500 *
27	80.8	116.1	299,400 *
28	80.3	115.9	296,400 *
29	79.7	115.7	293,500 *
30	79.2	115.5	290,700 *
32	78.1	115.0	285,300 *
34	77.0	114.6	266,200
36	76.0	114.0	236,300
38	74.9	113.4	210,900
40	73.8	112.8	189,100
42	72.7	112.2	170,100
44	71.6	111.5	153,500
46	70.5	110.7	138,700
48	69.4	109.9	125,600
50	68.2	109.1	113,900
55	65.4	106.8	89,200
60	62.4	104.2	69,600
65	59.4	101.2	53,700
70	56.3	97.9	40,500
75	53.0	94.1	29,300
80	49.6	89.9	19,800
85	46.0	85.1	11,600



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
120 Ft. BOOM			
24	83.0	126.8	306,100 *
25	82.5	126.6	303,400 *
26	82.0	126.4	300,800 *
27	81.6	126.3	298,300 *
28	81.1	126.1	295,800 *
29	80.6	125.9	293,400 *
30	80.1	125.7	291,100 *
32	79.1	125.3	286,700 *
34	78.1	124.8	268,900
36	77.2	124.4	238,900
38	76.2	123.8	213,500
40	75.2	123.3	191,600
42	74.2	122.7	172,600
44	73.2	122.0	155,900
46	72.2	121.4	141,200
48	71.2	120.6	128,100
50	70.1	119.9	116,300
55	67.6	117.8	91,500
60	64.9	115.5	71,900
65	62.2	112.8	55,900
70	59.5	109.9	42,700
75	56.6	106.6	31,500
80	53.6	102.9	22,000
85	50.6	98.8	13,800
130 Ft. BOOM			
26	82.7	136.6	289,500 *
27	82.2	136.4	286,900 *
28	81.8	136.2	284,500 *
29	81.3	136.1	282,100 *
30	80.9	135.9	279,700 *
32	80.0	135.5	275,200 *
34	79.1	135.1	267,900 *
36	78.2	134.6	241,700
38	77.3	134.2	216,300
40	76.4	133.6	194,400
42	75.4	133.1	175,300
44	74.5	132.5	158,600
46	73.6	131.9	143,900
48	72.7	131.2	130,700
50	71.7	130.5	118,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
55	69.4	128.7	94,200
60	67.0	126.5	74,500
65	64.5	124.1	58,500
70	62.1	121.5	45,300
75	59.5	118.5	34,100
80	56.9	115.3	24,600
85	54.2	111.7	16,300
140 Ft. BOOM			
27	82.8	146.5	280,900 *
28	82.4	146.4	278,600 *
29	81.9	146.2	276,400 *
30	81.5	146.0	274,300 *
32	80.7	145.7	270,200 *
34	79.9	145.3	258,400 *
36	79.0	144.9	243,500
38	78.2	144.4	218,000
40	77.4	144.0	196,100
42	76.5	143.5	177,000
44	75.7	142.9	160,300
46	74.8	142.3	145,500
48	74.0	141.7	132,300
50	73.1	141.1	120,500
55	70.9	139.4	95,700
60	68.7	137.4	76,000
65	66.5	135.2	60,000
70	64.2	132.8	46,700
75	61.9	130.1	35,500
80	59.5	127.2	25,900
85	57.1	124.0	17,700
90	54.6	120.4	10,400
150 Ft. BOOM			
28	82.9	156.5	242,900 *
29	82.5	156.3	240,600 *
30	82.1	156.2	238,400 *
32	81.3	155.8	234,200 *
34	80.6	155.5	225,900 *
36	79.8	155.1	218,000 *
38	79.0	154.7	210,400 *
40	78.2	154.2	197,600
42	77.4	153.8	178,500
44	76.6	153.3	161,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
46	75.8	152.7	146,900
48	75.1	152.2	133,700
50	74.3	151.6	121,900
55	72.3	150.0	97,000
60	70.2	148.2	77,300
65	68.2	146.2	61,300
70	66.1	143.9	48,000
75	63.9	141.5	36,700
80	61.8	138.8	27,200
85	59.6	135.9	18,900
90	57.3	132.6	11,700
160 Ft. BOOM			
29	83.0	166.4	234,400 *
30	82.6	166.3	232,500 *
32	81.9	166.0	224,400 *
34	81.1	165.7	216,100 *
36	80.4	165.3	208,200 *
38	79.7	164.9	200,700 *
40	79.0	164.5	193,500 *
42	78.2	164.0	179,600
44	77.5	163.6	162,800
46	76.8	163.1	147,900
48	76.0	162.6	134,700
50	75.3	162.0	122,900
55	73.4	160.5	98,000
60	71.5	158.8	78,200
65	69.6	157.0	62,100
70	67.7	154.9	48,800
75	65.7	152.6	37,600
80	63.7	150.2	28,000
85	61.7	147.5	19,700
90	59.6	144.5	12,400



Liftcrane Boom Capacities With Luffing Jib Attached

2250 SERIES 3

Meets
ANSI B30.5
Requirements

New York City Code
Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
249,200 Lb. Crane Counterweight
120,000 Lb. Crane 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
170 Ft. BOOM			
30	83.0	176.4	223,500 *
32	82.4	176.1	215,100 *
34	81.7	175.8	207,000 *
36	81.0	175.5	199,300 *
38	80.3	175.1	192,000 *
40	79.6	174.7	185,000 *
42	78.9	174.3	178,300 *
44	78.2	173.8	164,100
46	77.5	173.4	149,200
48	76.9	172.9	136,000
50	76.2	172.4	124,100
55	74.4	171.0	99,200
60	72.6	169.4	79,500
65	70.9	167.6	63,400
70	69.1	165.7	50,000
75	67.2	163.6	38,800
80	65.4	161.3	29,200
85	63.5	158.8	20,900
90	61.6	156.1	13,600
180 Ft. BOOM			
32	82.8	186.2	204,200 *
34	82.1	185.9	196,500 *
36	81.5	185.6	189,100 *
38	80.9	185.3	182,000 *
40	80.2	184.9	175,200 *
42	79.6	184.5	168,700 *
44	78.9	184.1	162,500 *
46	78.3	183.6	149,900
48	77.6	183.2	136,700
50	76.9	182.7	124,800
55	75.3	181.4	99,800
60	73.6	179.9	80,000
65	72.0	178.3	63,900
70	70.3	176.5	50,500
75	68.6	174.5	39,300
80	66.8	172.3	29,600
85	65.1	170.0	21,300
90	63.3	167.5	14,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	174,600 *
36	81.9	195.7	169,300 *
38	81.3	195.4	164,300 *
40	80.7	195.1	159,300 *
42	80.1	194.7	154,300 *
44	79.5	194.3	149,300 *
46	78.9	193.9	144,300 *
48	78.3	193.4	137,200
50	77.6	193.0	125,300
55	76.1	191.7	100,300
60	74.5	190.3	80,500
65	72.9	188.8	64,400
70	71.4	187.1	51,000
75	69.7	185.3	39,700
80	68.1	183.2	30,000
85	66.5	181.1	21,700
90	64.8	178.7	14,400
200 Ft. BOOM			
34	82.9	206.1	164,300 *
36	82.4	205.8	159,200 *
38	81.8	205.5	154,300 *
40	81.2	205.2	149,500 *
42	80.6	204.8	144,800 *
44	80.0	204.5	140,100 *
46	79.4	204.1	135,400 *
48	78.9	203.7	130,700 *
50	78.3	203.2	125,700
55	76.8	202.1	100,700
60	75.3	200.7	80,800
65	73.8	199.3	64,600
70	72.3	197.7	51,200
75	70.8	195.9	39,900
80	69.3	194.0	30,200
85	67.7	192.0	21,900
90	66.2	189.8	14,600