

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

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

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of main boom load. Weight of luffing jib and 5,000 Lbs. suspended beneath luffing jib point sheaves have been included in capacity determination. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with gantry up. During operation, luffing jib must be maintained at proper boom to luffing jib angle shown in table. Refer to luffing jib assembly **No. 172894**, **No. 174308** or **No. 192086**, Wire Rope Specification chart **No. 7581-E**, Counterweight Arrangement chart **No. 7692-A** and Luffing Jib Raising Procedure chart **No. 7604-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. 7678-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, four 1-1/2 in. boom pendants or boom support straps, 10 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendants and backstays, and 167,000 Lb. counterweight.

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

Consult Chart **No. 7613-A** for luffing jib capacities.


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70 Ft. Luffing Jib, Attached at 145 Degree Boom to Luffing Jib Angle

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

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

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

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

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

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	223,500 *
34	82.1	185.9	216,500 *
36	81.5	185.6	205,800
38	80.9	185.3	186,900
40	80.2	184.9	170,700
42	79.6	184.5	156,500
44	78.9	184.1	144,100
46	78.3	183.6	133,100
48	77.6	183.2	123,300
50	76.9	182.7	114,500
55	75.3	181.4	96,100
60	73.6	179.9	81,500
65	72.0	178.3	69,600
70	70.3	176.5	59,700
75	68.6	174.5	51,400
80	66.8	172.3	44,200
85	65.1	170.0	38,100
90	63.3	167.5	32,700
95	61.5	164.8	28,000
100	59.6	161.8	23,800
105	57.8	158.7	20,000
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	180,000 *
38	81.3	195.4	180,000 *
40	80.7	195.1	170,500
42	80.1	194.7	156,300
44	79.5	194.3	143,900
46	78.9	193.9	132,900
48	78.3	193.4	123,100
50	77.6	193.0	114,300
55	76.1	191.7	95,800
60	74.5	190.3	81,200
65	72.9	188.8	69,300
70	71.4	187.1	59,400
75	69.7	185.3	51,000
80	68.1	183.2	43,900
85	66.5	181.1	37,700
90	64.8	178.7	32,300
95	63.1	176.2	27,600
100	61.4	173.4	23,400
105	59.7	170.5	19,600
110	57.9	167.4	16,300
115	56.1	164.0	13,200



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167,000 Lb. Counterweight
360 Degree Rating

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	156,200
44	80.0	204.5	143,700
46	79.4	204.1	132,700
48	78.9	203.7	122,800
50	78.3	203.2	114,000
55	76.8	202.1	95,500
60	75.3	200.7	80,900
65	73.8	199.3	68,900
70	72.3	197.7	59,000
75	70.8	195.9	50,600
80	69.3	194.0	43,500
85	67.7	192.0	37,300
90	66.2	189.8	31,900
95	64.6	187.4	27,200
100	63.0	184.8	22,900
105	61.3	182.1	19,200
110	59.7	179.2	15,800
115	58.0	176.0	12,700

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167,000 Lb. Counterweight
360 Degree Rating

80 Ft. Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

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

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

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

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

80 Ft. Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

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

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	252,200 *
30	82.6	166.3	250,700 *
32	81.9	166.0	245,700 *
34	81.1	165.7	225,800
36	80.4	165.3	203,600
38	79.7	164.9	184,800
40	79.0	164.5	168,600
42	78.2	164.0	154,500
44	77.5	163.6	142,100
46	76.8	163.1	131,100
48	76.0	162.6	121,400
50	75.3	162.0	112,700
55	73.4	160.5	94,300
60	71.5	158.8	79,700
65	69.6	157.0	67,900
70	67.7	154.9	58,000
75	65.7	152.6	49,700
80	63.7	150.2	42,600
85	61.7	147.5	36,500
90	59.6	144.5	31,100
95	57.5	141.3	26,400
100	55.3	137.9	22,200
105	53.1	134.1	18,500
170 Ft. BOOM			
30	83.0	176.4	243,000 *
32	82.4	176.1	235,200 *
34	81.7	175.8	225,900
36	81.0	175.5	203,700
38	80.3	175.1	184,900
40	79.6	174.7	168,600
42	78.9	174.3	154,500
44	78.2	173.8	142,200
46	77.5	173.4	131,200
48	76.9	172.9	121,500
50	76.2	172.4	112,700
55	74.4	171.0	94,400
60	72.6	169.4	79,800
65	70.9	167.6	67,900
70	69.1	165.7	58,100
75	67.2	163.6	49,800
80	65.4	161.3	42,700
85	63.5	158.8	36,600
90	61.6	156.1	31,200
95	59.6	153.2	26,500
100	57.6	150.0	22,300
105	55.6	146.6	18,600
110	53.5	142.9	15,200
115	51.3	138.9	12,200

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	203,800
38	80.9	185.3	184,900
40	80.2	184.9	168,700
42	79.6	184.5	154,500
44	78.9	184.1	142,100
46	78.3	183.6	131,100
48	77.6	183.2	121,400
50	76.9	182.7	112,600
55	75.3	181.4	94,200
60	73.6	179.9	79,600
65	72.0	178.3	67,700
70	70.3	176.5	57,800
75	68.6	174.5	49,500
80	66.8	172.3	42,400
85	65.1	170.0	36,200
90	63.3	167.5	30,900
95	61.5	164.8	26,100
100	59.6	161.8	22,000
105	57.8	158.7	18,200
110	55.8	155.3	14,800
115	53.9	151.7	11,800
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	180,000 *
38	81.3	195.4	180,000 *
40	80.7	195.1	168,500
42	80.1	194.7	154,400
44	79.5	194.3	142,000
46	78.9	193.9	131,000
48	78.3	193.4	121,200
50	77.6	193.0	112,400
55	76.1	191.7	94,000
60	74.5	190.3	79,300
65	72.9	188.8	67,400
70	71.4	187.1	57,500
75	69.7	185.3	49,200
80	68.1	183.2	42,100
85	66.5	181.1	35,900
90	64.8	178.7	30,500
95	63.1	176.2	25,800
100	61.4	173.4	21,600
105	59.7	170.5	17,900
110	57.9	167.4	14,500
115	56.1	164.0	11,400

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

80 Ft. Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	154,300
44	80.0	204.5	141,800
46	79.4	204.1	130,800
48	78.9	203.7	121,000
50	78.3	203.2	112,200
55	76.8	202.1	93,700
60	75.3	200.7	79,000
65	73.8	199.3	67,100
70	72.3	197.7	57,200
75	70.8	195.9	48,800
80	69.3	194.0	41,700
85	67.7	192.0	35,500
90	66.2	189.8	30,100
95	64.6	187.4	25,400
100	63.0	184.8	21,200
105	61.3	182.1	17,400
110	59.7	179.2	14,000
115	58.0	176.0	11,000



M-250

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

90 Ft. Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	464,200 *
21	81.7	86.7	460,500 *
22	80.9	86.5	456,900 *
23	80.2	86.3	445,500 *
24	79.5	86.1	426,000
25	78.7	85.9	391,100
26	78.0	85.6	361,000
27	77.3	85.4	334,800
28	76.5	85.1	311,600
29	75.8	84.8	291,200
30	75.0	84.5	272,900
32	73.5	83.9	241,600
34	72.0	83.2	215,900
36	70.5	82.4	194,300
38	68.9	81.6	176,000
40	67.3	80.7	160,200
42	65.8	79.8	146,500
44	64.2	78.7	134,500
46	62.5	77.6	123,900
48	60.9	76.5	114,400
50	59.2	75.2	105,900
55	54.8	71.7	88,100
90 Ft. BOOM			
21	82.6	96.9	443,900 *
22	81.9	96.7	440,200 *
23	81.3	96.5	436,600 *
24	80.6	96.3	426,700 *
25	80.0	96.1	393,000
26	79.3	95.9	362,800
27	78.7	95.7	336,500
28	78.0	95.4	313,300
29	77.4	95.2	292,800
30	76.7	94.9	274,400
32	75.4	94.4	243,100
34	74.1	93.7	217,300
36	72.7	93.1	195,700
38	71.4	92.4	177,300
40	70.0	91.6	161,500
42	68.6	90.8	147,800
44	67.2	89.9	135,700
46	65.8	88.9	125,100
48	64.4	87.9	115,600
50	63.0	86.8	107,100
55	59.3	83.9	89,200
60	55.4	80.4	75,000
65	51.3	76.5	63,500

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

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

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

90 Ft. Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
27	82.8	146.5	297,300 *
28	82.4	146.4	295,600 *
29	81.9	146.2	293,900 *
30	81.5	146.0	278,600
32	80.7	145.7	247,000
34	79.9	145.3	220,900
36	79.0	144.9	199,100
38	78.2	144.4	180,500
40	77.4	144.0	164,500
42	76.5	143.5	150,600
44	75.7	142.9	138,400
46	74.8	142.3	127,700
48	74.0	141.7	118,100
50	73.1	141.1	109,500
55	70.9	139.4	91,400
60	68.7	137.4	77,000
65	66.5	135.2	65,300
70	64.2	132.8	55,700
75	61.9	130.1	47,500
80	59.5	127.2	40,500
85	57.1	124.0	34,500
90	54.6	120.4	29,200
95	52.0	116.5	24,600
150 Ft. BOOM			
28	82.9	156.5	257,100 *
29	82.5	156.3	255,300 *
30	82.1	156.2	253,500 *
32	81.3	155.8	247,300
34	80.6	155.5	221,100
36	79.8	155.1	199,300
38	79.0	154.7	180,700
40	78.2	154.2	164,700
42	77.4	153.8	150,800
44	76.6	153.3	138,600
46	75.8	152.7	127,800
48	75.1	152.2	118,200
50	74.3	151.6	109,500
55	72.3	150.0	91,400
60	70.2	148.2	77,000
65	68.2	146.2	65,300
70	66.1	143.9	55,600
75	63.9	141.5	47,500
80	61.8	138.8	40,500
85	59.6	135.9	34,400
90	57.3	132.6	29,100
95	55.0	129.1	24,500
100	52.6	125.3	20,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	248,100 *
30	82.6	166.3	246,600 *
32	81.9	166.0	241,100 *
34	81.1	165.7	221,400
36	80.4	165.3	199,500
38	79.7	164.9	180,800
40	79.0	164.5	164,800
42	78.2	164.0	150,800
44	77.5	163.6	138,600
46	76.8	163.1	127,800
48	76.0	162.6	118,100
50	75.3	162.0	109,500
55	73.4	160.5	91,300
60	71.5	158.8	76,900
65	69.6	157.0	65,200
70	67.7	154.9	55,500
75	65.7	152.6	47,300
80	63.7	150.2	40,200
85	61.7	147.5	34,200
90	59.6	144.5	28,900
95	57.5	141.3	24,200
100	55.3	137.9	20,100
105	53.1	134.1	16,400
170 Ft. BOOM			
30	83.0	176.4	238,100 *
32	82.4	176.1	230,500 *
34	81.7	175.8	221,500
36	81.0	175.5	199,600
38	80.3	175.1	180,900
40	79.6	174.7	164,900
42	78.9	174.3	151,000
44	78.2	173.8	138,700
46	77.5	173.4	127,900
48	76.9	172.9	118,300
50	76.2	172.4	109,600
55	74.4	171.0	91,500
60	72.6	169.4	77,100
65	70.9	167.6	65,300
70	69.1	165.7	55,600
75	67.2	163.6	47,400
80	65.4	161.3	40,400
85	63.5	158.8	34,300
90	61.6	156.1	29,000
95	59.6	153.2	24,400
100	57.6	150.0	20,200
105	55.6	146.6	16,500
110	53.5	142.9	13,200
115	51.3	138.9	10,200

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	199,700
38	80.9	185.3	181,000
40	80.2	184.9	165,000
42	79.6	184.5	151,000
44	78.9	184.1	138,700
46	78.3	183.6	127,900
48	77.6	183.2	118,200
50	76.9	182.7	109,500
55	75.3	181.4	91,300
60	73.6	179.9	76,900
65	72.0	178.3	65,100
70	70.3	176.5	55,400
75	68.6	174.5	47,100
80	66.8	172.3	40,100
85	65.1	170.0	34,000
90	63.3	167.5	28,700
95	61.5	164.8	24,000
100	59.6	161.8	19,900
105	57.8	158.7	16,200
110	55.8	155.3	12,900
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	180,000 *
38	81.3	195.4	179,100 *
40	80.7	195.1	164,900
42	80.1	194.7	150,900
44	79.5	194.3	138,600
46	78.9	193.9	127,700
48	78.3	193.4	118,000
50	77.6	193.0	109,300
55	76.1	191.7	91,100
60	74.5	190.3	76,600
65	72.9	188.8	64,900
70	71.4	187.1	55,100
75	69.7	185.3	46,800
80	68.1	183.2	39,800
85	66.5	181.1	33,700
90	64.8	178.7	28,400
95	63.1	176.2	23,700
100	61.4	173.4	19,600
105	59.7	170.5	15,900
110	57.9	167.4	12,500



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Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

90 Ft. Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	176,800 *
36	82.4	205.8	172,400 *
38	81.8	205.5	168,000 *
40	81.2	205.2	163,800 *
42	80.6	204.8	150,800
44	80.0	204.5	138,500
46	79.4	204.1	127,600
48	78.9	203.7	117,900
50	78.3	203.2	109,200
55	76.8	202.1	90,900
60	75.3	200.7	76,400
65	73.8	199.3	64,600
70	72.3	197.7	54,800
75	70.8	195.9	46,500
80	69.3	194.0	39,500
85	67.7	192.0	33,400
90	66.2	189.8	28,000
95	64.6	187.4	23,300
100	63.0	184.8	19,200
105	61.3	182.1	15,500
110	59.7	179.2	12,100

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

100 Ft. Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	477,100 *
21	81.7	86.7	473,100 *
22	80.9	86.5	468,400 *
23	80.2	86.3	447,600 *
24	79.5	86.1	428,300 *
25	78.7	85.9	395,300
26	78.0	85.6	364,600
27	77.3	85.4	337,900
28	76.5	85.1	314,400
29	75.8	84.8	293,500
30	75.0	84.5	274,900
32	73.5	83.9	243,100
34	72.0	83.2	216,900
36	70.5	82.4	194,900
38	68.9	81.6	176,300
40	67.3	80.7	160,200
42	65.8	79.8	146,200
44	64.2	78.7	134,000
46	62.5	77.6	123,100
48	60.9	76.5	113,500
50	59.2	75.2	104,800
55	54.8	71.7	86,600
60	50.2	67.6	72,200
65	45.1	62.7	60,400
90 Ft. BOOM			
21	82.6	96.9	456,500 *
22	81.9	96.7	452,400 *
23	81.3	96.5	447,900 *
24	80.6	96.3	428,700 *
25	80.0	96.1	397,500
26	79.3	95.9	366,800
27	78.7	95.7	340,000
28	78.0	95.4	316,400
29	77.4	95.2	295,500
30	76.7	94.9	276,800
32	75.4	94.4	244,900
34	74.1	93.7	218,700
36	72.7	93.1	196,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
38	71.4	92.4	178,000
40	70.0	91.6	161,900
42	68.6	90.8	147,900
44	67.2	89.9	135,600
46	65.8	88.9	124,700
48	64.4	87.9	115,000
50	63.0	86.8	106,400
55	59.3	83.9	88,100
60	55.4	80.4	73,700
65	51.3	76.5	61,900
70	47.0	71.8	52,100
75	42.3	66.5	43,800
100 Ft. BOOM			
22	82.8	106.8	434,600 *
23	82.2	106.7	430,700 *
24	81.6	106.5	427,100 *
25	81.0	106.3	399,300
26	80.4	106.1	368,500
27	79.8	105.9	341,600
28	79.3	105.7	318,000
29	78.7	105.5	297,000
30	78.1	105.2	278,300
32	76.9	104.7	246,300
34	75.7	104.2	220,000
36	74.5	103.6	197,900
38	73.3	103.0	179,200
40	72.1	102.3	163,000
42	70.9	101.5	149,000
44	69.7	100.8	136,700
46	68.4	99.9	125,800
48	67.2	99.0	116,100
50	65.9	98.1	107,300
55	62.7	95.5	89,100
60	59.3	92.5	74,500
65	55.9	89.2	62,700
70	52.3	85.3	52,900
75	48.5	80.9	44,600
80	44.4	75.9	37,500

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


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Liftcrane Boom Capacities With Luffing Jib Attached

 Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

100 Ft. Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	315,300 *
25	82.5	126.6	312,900 *
26	82.0	126.4	310,600 *
27	81.6	126.3	308,400 *
28	81.1	126.1	306,200 *
29	80.6	125.9	299,200
30	80.1	125.7	280,400
32	79.1	125.3	248,300
34	78.1	124.8	221,800
36	77.2	124.4	199,700
38	76.2	123.8	180,800
40	75.2	123.3	164,600
42	74.2	122.7	150,500
44	73.2	122.0	138,100
46	72.2	121.4	127,200
48	71.2	120.6	117,400
50	70.1	119.9	108,700
55	67.6	117.8	90,400
60	64.9	115.5	75,800
65	62.2	112.8	63,900
70	59.5	109.9	54,000
75	56.6	106.6	45,700
80	53.6	102.9	38,600
85	50.6	98.8	32,500
90	47.3	94.2	27,100
95	43.9	89.1	22,400
130 Ft. BOOM			
26	82.7	136.6	312,600 *
27	82.2	136.4	310,500 *
28	81.8	136.2	308,400 *
29	81.3	136.1	300,100
30	80.9	135.9	281,300
32	80.0	135.5	249,100
34	79.1	135.1	222,700
36	78.2	134.6	200,500
38	77.3	134.2	181,600
40	76.4	133.6	165,400
42	75.4	133.1	151,300
44	74.5	132.5	139,000
46	73.6	131.9	128,000
48	72.7	131.2	118,300
50	71.7	130.5	109,500
55	69.4	128.7	91,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
60	67.0	126.5	76,600
65	64.5	124.1	64,700
70	62.1	121.5	54,800
75	59.5	118.5	46,500
80	56.9	115.3	39,400
85	54.2	111.7	33,300
90	51.3	107.7	27,900
95	48.4	103.3	23,200
100	45.3	98.4	19,000
105	42.0	92.9	15,200
140 Ft. BOOM			
27	82.8	146.5	303,300 *
28	82.4	146.4	301,400 *
29	81.9	146.2	299,500 *
30	81.5	146.0	282,000
32	80.7	145.7	249,800
34	79.9	145.3	223,200
36	79.0	144.9	201,000
38	78.2	144.4	182,100
40	77.4	144.0	165,800
42	76.5	143.5	151,700
44	75.7	142.9	139,300
46	74.8	142.3	128,300
48	74.0	141.7	118,500
50	73.1	141.1	109,800
55	70.9	139.4	91,400
60	68.7	137.4	76,700
65	66.5	135.2	64,800
70	64.2	132.8	55,000
75	61.9	130.1	46,600
80	59.5	127.2	39,500
85	57.1	124.0	33,300
90	54.6	120.4	28,000
95	52.0	116.5	23,200
100	49.3	112.2	19,000
105	46.5	107.5	15,200
110	43.5	102.3	11,900
150 Ft. BOOM			
28	82.9	156.5	263,900 *
29	82.5	156.3	262,000 *
30	82.1	156.2	260,100 *
32	81.3	155.8	250,200
34	80.6	155.5	223,600
36	79.8	155.1	201,300
38	79.0	154.7	182,400
40	78.2	154.2	166,100
42	77.4	153.8	152,000
44	76.6	153.3	139,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
46	75.8	152.7	128,500
48	75.1	152.2	118,700
50	74.3	151.6	110,000
55	72.3	150.0	91,500
60	70.2	148.2	76,900
65	68.2	146.2	65,000
70	66.1	143.9	55,100
75	63.9	141.5	46,700
80	61.8	138.8	39,600
85	59.6	135.9	33,400
90	57.3	132.6	28,000
95	55.0	129.1	23,300
100	52.6	125.3	19,100
105	50.1	121.2	15,300
110	47.5	116.6	11,900
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	223,900
36	80.4	165.3	201,600
38	79.7	164.9	182,600
40	79.0	164.5	166,300
42	78.2	164.0	152,100
44	77.5	163.6	139,700
46	76.8	163.1	128,600
48	76.0	162.6	118,800
50	75.3	162.0	110,000
55	73.4	160.5	91,500
60	71.5	158.8	76,900
65	69.6	157.0	64,900
70	67.7	154.9	55,000
75	65.7	152.6	46,600
80	63.7	150.2	39,500
85	61.7	147.5	33,300
90	59.6	144.5	27,900
95	57.5	141.3	23,100
100	55.3	137.9	18,900
105	53.1	134.1	15,100
110	50.7	130.1	11,800

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

100 Ft. Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	246,300 *
32	82.4	176.1	238,400 *
34	81.7	175.8	224,100
36	81.0	175.5	201,800
38	80.3	175.1	182,800
40	79.6	174.7	166,500
42	78.9	174.3	152,300
44	78.2	173.8	139,900
46	77.5	173.4	128,900
48	76.9	172.9	119,000
50	76.2	172.4	110,200
55	74.4	171.0	91,800
60	72.6	169.4	77,100
65	70.9	167.6	65,100
70	69.1	165.7	55,200
75	67.2	163.6	46,800
80	65.4	161.3	39,700
85	63.5	158.8	33,500
90	61.6	156.1	28,100
95	59.6	153.2	23,400
100	57.6	150.0	19,200
105	55.6	146.6	15,400
110	53.5	142.9	12,000
180 Ft. BOOM			
32	82.8	186.2	227,000 *
34	82.1	185.9	219,500 *
36	81.5	185.6	202,000
38	80.9	185.3	183,000
40	80.2	184.9	166,700
42	79.6	184.5	152,400
44	78.9	184.1	139,900
46	78.3	183.6	128,900
48	77.6	183.2	119,000
50	76.9	182.7	110,200
55	75.3	181.4	91,700
60	73.6	179.9	77,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
65	72.0	178.3	65,000
70	70.3	176.5	55,100
75	68.6	174.5	46,700
80	66.8	172.3	39,500
85	65.1	170.0	33,300
90	63.3	167.5	27,900
95	61.5	164.8	23,100
100	59.6	161.8	18,900
105	57.8	158.7	15,100
110	55.8	155.3	11,700
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	180,000 *
38	81.3	195.4	180,000 *
40	80.7	195.1	166,600
42	80.1	194.7	152,400
44	79.5	194.3	139,900
46	78.9	193.9	128,800
48	78.3	193.4	118,900
50	77.6	193.0	110,100
55	76.1	191.7	91,600
60	74.5	190.3	76,800
65	72.9	188.8	64,800
70	71.4	187.1	54,900
75	69.7	185.3	46,500
80	68.1	183.2	39,300
85	66.5	181.1	33,100
90	64.8	178.7	27,700
95	63.1	176.2	22,900
100	61.4	173.4	18,700
105	59.7	170.5	14,900
110	57.9	167.4	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	179,800 *
38	81.8	205.5	175,100 *
40	81.2	205.2	166,600
42	80.6	204.8	152,400
44	80.0	204.5	139,800
46	79.4	204.1	128,700
48	78.9	203.7	118,800
50	78.3	203.2	110,000
55	76.8	202.1	91,400
60	75.3	200.7	76,600
65	73.8	199.3	64,600
70	72.3	197.7	54,600
75	70.8	195.9	46,200
80	69.3	194.0	39,000
85	67.7	192.0	32,800
90	66.2	189.8	27,400
95	64.6	187.4	22,600
100	63.0	184.8	18,300
105	61.3	182.1	14,500
110	59.7	179.2	11,100


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Liftcrane Boom Capacities With Luffing Jib Attached

 Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

110 Ft. Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	470,300 *
21	81.7	86.7	466,100 *
22	80.9	86.5	462,100 *
23	80.2	86.3	443,700 *
24	79.5	86.1	423,800
25	78.7	85.9	388,600
26	78.0	85.6	358,200
27	77.3	85.4	331,700
28	76.5	85.1	308,400
29	75.8	84.8	287,800
30	75.0	84.5	269,300
32	73.5	83.9	237,800
34	72.0	83.2	211,800
36	70.5	82.4	190,100
38	68.9	81.6	171,600
40	67.3	80.7	155,700
42	65.8	79.8	141,900
44	64.2	78.7	129,700
46	62.5	77.6	119,000
48	60.9	76.5	109,400
50	59.2	75.2	100,900
55	54.8	71.7	82,900
60	50.2	67.6	68,600
65	45.1	62.7	56,900
90 Ft. BOOM			
21	82.6	96.9	450,100 *
22	81.9	96.7	446,000 *
23	81.3	96.5	442,100 *
24	80.6	96.3	425,000 *
25	80.0	96.1	391,000
26	79.3	95.9	360,600
27	78.7	95.7	334,000
28	78.0	95.4	310,700
29	77.4	95.2	290,000
30	76.7	94.9	271,500
32	75.4	94.4	239,900
34	74.1	93.7	213,800
36	72.7	93.1	192,000
38	71.4	92.4	173,500
40	70.0	91.6	157,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	143,700
44	67.2	89.9	131,500
46	65.8	88.9	120,800
48	64.4	87.9	111,200
50	63.0	86.8	102,600
55	59.3	83.9	84,600
60	55.4	80.4	70,200
65	51.3	76.5	58,600
70	47.0	71.8	48,900
75	42.3	66.5	40,700
100 Ft. BOOM			
22	82.8	106.8	428,600 *
23	82.2	106.7	424,800 *
24	81.6	106.5	421,100 *
25	81.0	106.3	393,000
26	80.4	106.1	362,500
27	79.8	105.9	335,900
28	79.3	105.7	312,400
29	78.7	105.5	291,700
30	78.1	105.2	273,100
32	76.9	104.7	241,400
34	75.7	104.2	215,300
36	74.5	103.6	193,500
38	73.3	103.0	174,900
40	72.1	102.3	158,900
42	70.9	101.5	145,000
44	69.7	100.8	132,800
46	68.4	99.9	122,000
48	67.2	99.0	112,400
50	65.9	98.1	103,700
55	62.7	95.5	85,600
60	59.3	92.5	71,300
65	55.9	89.2	59,500
70	52.3	85.3	49,800
75	48.5	80.9	41,700
80	44.4	75.9	34,700
110 Ft. BOOM			
23	82.9	116.8	332,900 *
24	82.4	116.6	330,100 *
25	81.8	116.5	327,300 *
26	81.3	116.3	324,700 *
27	80.8	116.1	322,100 *
28	80.3	115.9	313,800
29	79.7	115.7	293,000
30	79.2	115.5	274,400
32	78.1	115.0	242,700
34	77.0	114.6	216,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	194,600
38	74.9	113.4	176,000
40	73.8	112.8	160,000
42	72.7	112.2	146,000
44	71.6	111.5	133,800
46	70.5	110.7	123,000
48	69.4	109.9	113,400
50	68.2	109.1	104,700
55	65.4	106.8	86,600
60	62.4	104.2	72,200
65	59.4	101.2	60,400
70	56.3	97.9	50,700
75	53.0	94.1	42,500
80	49.6	89.9	35,500
85	46.0	85.1	29,400
90	42.2	79.7	24,200
120 Ft. BOOM			
24	83.0	126.8	311,600 *
25	82.5	126.6	309,300 *
26	82.0	126.4	306,900 *
27	81.6	126.3	304,700 *
28	81.1	126.1	302,600 *
29	80.6	125.9	294,100
30	80.1	125.7	275,500
32	79.1	125.3	243,600
34	78.1	124.8	217,400
36	77.2	124.4	195,400
38	76.2	123.8	176,800
40	75.2	123.3	160,700
42	74.2	122.7	146,800
44	73.2	122.0	134,500
46	72.2	121.4	123,700
48	71.2	120.6	114,000
50	70.1	119.9	105,300
55	67.6	117.8	87,100
60	64.9	115.5	72,700
65	62.2	112.8	60,900
70	59.5	109.9	51,200
75	56.6	106.6	43,000
80	53.6	102.9	35,900
85	50.6	98.8	29,800
90	47.3	94.2	24,500
95	43.9	89.1	19,900

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

110 Ft. Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
26	82.7	136.6	309,000 *
27	82.2	136.4	306,800 *
28	81.8	136.2	304,700 *
29	81.3	136.1	295,100
30	80.9	135.9	276,400
32	80.0	135.5	244,600
34	79.1	135.1	218,400
36	78.2	134.6	196,400
38	77.3	134.2	177,700
40	76.4	133.6	161,600
42	75.4	133.1	147,700
44	74.5	132.5	135,400
46	73.6	131.9	124,600
48	72.7	131.2	114,900
50	71.7	130.5	106,200
55	69.4	128.7	88,000
60	67.0	126.5	73,600
65	64.5	124.1	61,800
70	62.1	121.5	52,100
75	59.5	118.5	43,800
80	56.9	115.3	36,800
85	54.2	111.7	30,700
90	51.3	107.7	25,400
95	48.4	103.3	20,700
100	45.3	98.4	16,600
105	42.0	92.9	12,900
140 Ft. BOOM			
27	82.8	146.5	299,700 *
28	82.4	146.4	297,800 *
29	81.9	146.2	295,900
30	81.5	146.0	277,200
32	80.7	145.7	245,300
34	79.9	145.3	219,000
36	79.0	144.9	197,000
38	78.2	144.4	178,200
40	77.4	144.0	162,100
42	76.5	143.5	148,100
44	75.7	142.9	135,800
46	74.8	142.3	124,900
48	74.0	141.7	115,300
50	73.1	141.1	106,600
55	70.9	139.4	88,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
60	68.7	137.4	73,800
65	66.5	135.2	62,000
70	64.2	132.8	52,300
75	61.9	130.1	44,000
80	59.5	127.2	36,900
85	57.1	124.0	30,900
90	54.6	120.4	25,500
95	52.0	116.5	20,800
100	49.3	112.2	16,700
105	46.5	107.5	13,000
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	245,800
34	80.6	155.5	219,400
36	79.8	155.1	197,400
38	79.0	154.7	178,600
40	78.2	154.2	162,500
42	77.4	153.8	148,400
44	76.6	153.3	136,100
46	75.8	152.7	125,200
48	75.1	152.2	115,500
50	74.3	151.6	106,800
55	72.3	150.0	88,600
60	70.2	148.2	74,000
65	68.2	146.2	62,200
70	66.1	143.9	52,400
75	63.9	141.5	44,200
80	61.8	138.8	37,100
85	59.6	135.9	31,000
90	57.3	132.6	25,700
95	55.0	129.1	21,000
100	52.6	125.3	16,800
105	50.1	121.2	13,100
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	219,800
36	80.4	165.3	197,700
38	79.7	164.9	178,900
40	79.0	164.5	162,700
42	78.2	164.0	148,700
44	77.5	163.6	136,300
46	76.8	163.1	125,400
48	76.0	162.6	115,700
50	75.3	162.0	106,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
55	73.4	160.5	88,600
60	71.5	158.8	74,100
65	69.6	157.0	62,200
70	67.7	154.9	52,400
75	65.7	152.6	44,100
80	63.7	150.2	37,000
85	61.7	147.5	30,900
90	59.6	144.5	25,600
95	57.5	141.3	20,900
100	55.3	137.9	16,700
105	53.1	134.1	13,000
170 Ft. BOOM			
30	83.0	176.4	242,300 *
32	82.4	176.1	234,300 *
34	81.7	175.8	220,100
36	81.0	175.5	198,000
38	80.3	175.1	179,200
40	79.6	174.7	163,000
42	78.9	174.3	148,900
44	78.2	173.8	136,600
46	77.5	173.4	125,700
48	76.9	172.9	115,900
50	76.2	172.4	107,200
55	74.4	171.0	88,900
60	72.6	169.4	74,300
65	70.9	167.6	62,500
70	69.1	165.7	52,700
75	67.2	163.6	44,400
80	65.4	161.3	37,300
85	63.5	158.8	31,200
90	61.6	156.1	25,900
95	59.6	153.2	21,100
100	57.6	150.0	17,000
105	55.6	146.6	13,200



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

110 Ft. Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	222,800 *
34	82.1	185.9	215,400 *
36	81.5	185.6	198,300
38	80.9	185.3	179,400
40	80.2	184.9	163,200
42	79.6	184.5	149,100
44	78.9	184.1	136,700
46	78.3	183.6	125,700
48	77.6	183.2	116,000
50	76.9	182.7	107,200
55	75.3	181.4	88,900
60	73.6	179.9	74,300
65	72.0	178.3	62,400
70	70.3	176.5	52,600
75	68.6	174.5	44,300
80	66.8	172.3	37,200
85	65.1	170.0	31,000
90	63.3	167.5	25,700
95	61.5	164.8	21,000
100	59.6	161.8	16,800
105	57.8	158.7	13,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	180,000 *
38	81.3	195.4	179,500
40	80.7	195.1	163,200
42	80.1	194.7	149,100
44	79.5	194.3	136,700
46	78.9	193.9	125,700
48	78.3	193.4	115,900
50	77.6	193.0	107,200
55	76.1	191.7	88,800
60	74.5	190.3	74,200
65	72.9	188.8	62,300
70	71.4	187.1	52,400
75	69.7	185.3	44,100
80	68.1	183.2	37,000
85	66.5	181.1	30,800
90	64.8	178.7	25,500
95	63.1	176.2	20,800
100	61.4	173.4	16,600
105	59.7	170.5	12,800

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	176,100 *
38	81.8	205.5	171,400 *
40	81.2	205.2	163,300
42	80.6	204.8	149,100
44	80.0	204.5	136,700
46	79.4	204.1	125,700
48	78.9	203.7	115,900
50	78.3	203.2	107,100
55	76.8	202.1	88,700
60	75.3	200.7	74,000
65	73.8	199.3	62,100
70	72.3	197.7	52,200
75	70.8	195.9	43,900
80	69.3	194.0	36,700
85	67.7	192.0	30,600
90	66.2	189.8	25,200
95	64.6	187.4	20,500
100	63.0	184.8	16,300
105	61.3	182.1	12,500

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

120 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

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

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
44	67.2	89.9	132,200
46	65.8	88.9	121,200
48	64.4	87.9	111,400
50	63.0	86.8	102,600
55	59.3	83.9	84,100
60	55.4	80.4	69,300
65	51.3	76.5	57,400
70	47.0	71.8	47,400
75	42.3	66.5	39,000
80	37.1	60.0	31,800
100 Ft. BOOM			
22	82.8	106.8	441,100 *
23	82.2	106.7	437,100 *
24	81.6	106.5	428,400 *
25	81.0	106.3	400,100
26	80.4	106.1	368,800
27	79.8	105.9	341,600
28	79.3	105.7	317,600
29	78.7	105.5	296,400
30	78.1	105.2	277,400
32	76.9	104.7	245,000
34	75.7	104.2	218,300
36	74.5	103.6	195,900
38	73.3	103.0	176,900
40	72.1	102.3	160,500
42	70.9	101.5	146,300
44	69.7	100.8	133,800
46	68.4	99.9	122,700
48	67.2	99.0	112,900
50	65.9	98.1	104,000
55	62.7	95.5	85,500
60	59.3	92.5	70,700
65	55.9	89.2	58,700
70	52.3	85.3	48,700
75	48.5	80.9	40,300
80	44.4	75.9	33,100
85	40.0	70.0	26,800
90	35.1	63.1	21,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
23	82.9	116.8	340,200 *
24	82.4	116.6	337,200 *
25	81.8	116.5	334,200 *
26	81.3	116.3	331,400 *
27	80.8	116.1	328,700 *
28	80.3	115.9	319,300
29	79.7	115.7	298,000
30	79.2	115.5	279,000
32	78.1	115.0	246,500
34	77.0	114.6	219,700
36	76.0	114.0	197,300
38	74.9	113.4	178,200
40	73.8	112.8	161,800
42	72.7	112.2	147,600
44	71.6	111.5	135,100
46	70.5	110.7	124,000
48	69.4	109.9	114,100
50	68.2	109.1	105,300
55	65.4	106.8	86,700
60	62.4	104.2	71,900
65	59.4	101.2	59,900
70	56.3	97.9	49,900
75	53.0	94.1	41,500
80	49.6	89.9	34,200
85	46.0	85.1	28,000
90	42.2	79.7	22,500
95	38.0	73.4	17,700
100	33.3	66.0	13,400


M-250

Liftcrane Boom Capacities With Luffing Jib Attached

 Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

120 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	328,700 *
25	82.5	126.6	326,200 *
26	82.0	126.4	323,800 *
27	81.6	126.3	321,500 *
28	81.1	126.1	319,300 *
29	80.6	125.9	299,300
30	80.1	125.7	280,200
32	79.1	125.3	247,600
34	78.1	124.8	220,800
36	77.2	124.4	198,300
38	76.2	123.8	179,200
40	75.2	123.3	162,800
42	74.2	122.7	148,500
44	73.2	122.0	135,900
46	72.2	121.4	124,800
48	71.2	120.6	115,000
50	70.1	119.9	106,100
55	67.6	117.8	87,500
60	64.9	115.5	72,700
65	62.2	112.8	60,600
70	59.5	109.9	50,600
75	56.6	106.6	42,100
80	53.6	102.9	34,900
85	50.6	98.8	28,700
90	47.3	94.2	23,200
95	43.9	89.1	18,400
100	40.2	83.3	14,100
105	36.2	76.6	10,200
130 Ft. BOOM			
26	82.7	136.6	315,900 *
27	82.2	136.4	313,600 *
28	81.8	136.2	311,300 *
29	81.3	136.1	300,400
30	80.9	135.9	281,300
32	80.0	135.5	248,700
34	79.1	135.1	221,900
36	78.2	134.6	199,400
38	77.3	134.2	180,300
40	76.4	133.6	163,900
42	75.4	133.1	149,600
44	74.5	132.5	137,000
46	73.6	131.9	125,900
48	72.7	131.2	116,000
50	71.7	130.5	107,200
55	69.4	128.7	88,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
60	67.0	126.5	73,700
65	64.5	124.1	61,700
70	62.1	121.5	51,700
75	59.5	118.5	43,200
80	56.9	115.3	36,000
85	54.2	111.7	29,800
90	51.3	107.7	24,300
95	48.4	103.3	19,500
100	45.3	98.4	15,200
105	42.0	92.9	11,400
140 Ft. BOOM			
27	82.8	146.5	306,600 *
28	82.4	146.4	304,500 *
29	81.9	146.2	301,400
30	81.5	146.0	282,300
32	80.7	145.7	249,600
34	79.9	145.3	222,700
36	79.0	144.9	200,100
38	78.2	144.4	181,000
40	77.4	144.0	164,500
42	76.5	143.5	150,200
44	75.7	142.9	137,600
46	74.8	142.3	126,400
48	74.0	141.7	116,500
50	73.1	141.1	107,600
55	70.9	139.4	89,000
60	68.7	137.4	74,100
65	66.5	135.2	62,000
70	64.2	132.8	52,000
75	61.9	130.1	43,500
80	59.5	127.2	36,300
85	57.1	124.0	30,000
90	54.6	120.4	24,600
95	52.0	116.5	19,800
100	49.3	112.2	15,500
105	46.5	107.5	11,600
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	250,200
34	80.6	155.5	223,200
36	79.8	155.1	200,700
38	79.0	154.7	181,500
40	78.2	154.2	165,000
42	77.4	153.8	150,600
44	76.6	153.3	138,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
46	75.8	152.7	126,900
48	75.1	152.2	116,900
50	74.3	151.6	108,000
55	72.3	150.0	89,300
60	70.2	148.2	74,400
65	68.2	146.2	62,300
70	66.1	143.9	52,300
75	63.9	141.5	43,800
80	61.8	138.8	36,600
85	59.6	135.9	30,300
90	57.3	132.6	24,900
95	55.0	129.1	20,000
100	52.6	125.3	15,700
105	50.1	121.2	11,900
160 Ft. BOOM			
29	83.0	166.4	258,900 *
30	82.6	166.3	257,100 *
32	81.9	166.0	250,800
34	81.1	165.7	223,700
36	80.4	165.3	201,100
38	79.7	164.9	181,900
40	79.0	164.5	165,300
42	78.2	164.0	150,900
44	77.5	163.6	138,300
46	76.8	163.1	127,100
48	76.0	162.6	117,200
50	75.3	162.0	108,200
55	73.4	160.5	89,500
60	71.5	158.8	74,600
65	69.6	157.0	62,500
70	67.7	154.9	52,400
75	65.7	152.6	43,900
80	63.7	150.2	36,700
85	61.7	147.5	30,400
90	59.6	144.5	24,900
95	57.5	141.3	20,100
100	55.3	137.9	15,800
105	53.1	134.1	11,900

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

120 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	250,400 *
32	82.4	176.1	243,800 *
34	81.7	175.8	224,100
36	81.0	175.5	201,500
38	80.3	175.1	182,200
40	79.6	174.7	165,700
42	78.9	174.3	151,300
44	78.2	173.8	138,700
46	77.5	173.4	127,500
48	76.9	172.9	117,500
50	76.2	172.4	108,600
55	74.4	171.0	89,900
60	72.6	169.4	75,000
65	70.9	167.6	62,800
70	69.1	165.7	52,800
75	67.2	163.6	44,300
80	65.4	161.3	37,000
85	63.5	158.8	30,800
90	61.6	156.1	25,300
95	59.6	153.2	20,500
100	57.6	150.0	16,200
105	55.6	146.6	12,300
180 Ft. BOOM			
32	82.8	186.2	232,900 *
34	82.1	185.9	224,500
36	81.5	185.6	201,800
38	80.9	185.3	182,500
40	80.2	184.9	165,900
42	79.6	184.5	151,500
44	78.9	184.1	138,800
46	78.3	183.6	127,600
48	77.6	183.2	117,700
50	76.9	182.7	108,700
55	75.3	181.4	89,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
60	73.6	179.9	75,000
65	72.0	178.3	62,800
70	70.3	176.5	52,800
75	68.6	174.5	44,200
80	66.8	172.3	37,000
85	65.1	170.0	30,700
90	63.3	167.5	25,200
95	61.5	164.8	20,400
100	59.6	161.8	16,100
105	57.8	158.7	12,200
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	180,000 *
38	81.3	195.4	180,000 *
40	80.7	195.1	166,000
42	80.1	194.7	151,600
44	79.5	194.3	138,900
46	78.9	193.9	127,700
48	78.3	193.4	117,700
50	77.6	193.0	108,700
55	76.1	191.7	89,900
60	74.5	190.3	74,900
65	72.9	188.8	62,800
70	71.4	187.1	52,700
75	69.7	185.3	44,200
80	68.1	183.2	36,900
85	66.5	181.1	30,600
90	64.8	178.7	25,100
95	63.1	176.2	20,200
100	61.4	173.4	15,900
105	59.7	170.5	12,100

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	180,000 *
38	81.8	205.5	179,800 *
40	81.2	205.2	166,100
42	80.6	204.8	151,700
44	80.0	204.5	138,900
46	79.4	204.1	127,700
48	78.9	203.7	117,700
50	78.3	203.2	108,700
55	76.8	202.1	89,800
60	75.3	200.7	74,900
65	73.8	199.3	62,700
70	72.3	197.7	52,500
75	70.8	195.9	44,000
80	69.3	194.0	36,700
85	67.7	192.0	30,400
90	66.2	189.8	24,900
95	64.6	187.4	20,000
100	63.0	184.8	15,700
105	61.3	182.1	11,900



M-250

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

130 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	471,900 *
21	81.7	86.7	467,900 *
22	80.9	86.5	463,600 *
23	80.2	86.3	444,300 *
24	79.5	86.1	424,900 *
25	78.7	85.9	390,100
26	78.0	85.6	359,300
27	77.3	85.4	332,300
28	76.5	85.1	308,600
29	75.8	84.8	287,600
30	75.0	84.5	268,900
32	73.5	83.9	236,800
34	72.0	83.2	210,400
36	70.5	82.4	188,300
38	68.9	81.6	169,400
40	67.3	80.7	153,300
42	65.8	79.8	139,200
44	64.2	78.7	126,800
46	62.5	77.6	115,900
48	60.9	76.5	106,100
50	59.2	75.2	97,400
55	54.8	71.7	79,000
60	50.2	67.6	64,400
65	45.1	62.7	52,500
70	39.6	56.8	42,600
75	33.3	49.4	34,300
90 Ft. BOOM			
21	82.6	96.9	459,000 *
22	81.9	96.7	454,500 *
23	81.3	96.5	445,000 *
24	80.6	96.3	425,700 *
25	80.0	96.1	393,100
26	79.3	95.9	362,200
27	78.7	95.7	335,200
28	78.0	95.4	311,400
29	77.4	95.2	290,400
30	76.7	94.9	271,600
32	75.4	94.4	239,400
34	74.1	93.7	213,000
36	72.7	93.1	190,800
38	71.4	92.4	171,900
40	70.0	91.6	155,700
42	68.6	90.8	141,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
44	67.2	89.9	129,200
46	65.8	88.9	118,300
48	64.4	87.9	108,500
50	63.0	86.8	99,700
55	59.3	83.9	81,300
60	55.4	80.4	66,700
65	51.3	76.5	54,800
70	47.0	71.8	44,900
75	42.3	66.5	36,600
80	37.1	60.0	29,400
100 Ft. BOOM			
22	82.8	106.8	437,400 *
23	82.2	106.7	433,200 *
24	81.6	106.5	425,900 *
25	81.0	106.3	395,600
26	80.4	106.1	364,600
27	79.8	105.9	337,500
28	79.3	105.7	313,700
29	78.7	105.5	292,500
30	78.1	105.2	273,700
32	76.9	104.7	241,400
34	75.7	104.2	214,900
36	74.5	103.6	192,700
38	73.3	103.0	173,700
40	72.1	102.3	157,500
42	70.9	101.5	143,300
44	69.7	100.8	130,900
46	68.4	99.9	119,900
48	67.2	99.0	110,100
50	65.9	98.1	101,300
55	62.7	95.5	82,900
60	59.3	92.5	68,200
65	55.9	89.2	56,300
70	52.3	85.3	46,400
75	48.5	80.9	38,000
80	44.4	75.9	30,900
85	40.0	70.0	24,700
90	35.1	63.1	19,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
23	82.9	116.8	337,800 *
24	82.4	116.6	334,700 *
25	81.8	116.5	331,700 *
26	81.3	116.3	328,900 *
27	80.8	116.1	326,100 *
28	80.3	115.9	315,400
29	79.7	115.7	294,300
30	79.2	115.5	275,400
32	78.1	115.0	243,100
34	77.0	114.6	216,500
36	76.0	114.0	194,200
38	74.9	113.4	175,200
40	73.8	112.8	158,900
42	72.7	112.2	144,800
44	71.6	111.5	132,300
46	70.5	110.7	121,300
48	69.4	109.9	111,500
50	68.2	109.1	102,700
55	65.4	106.8	84,200
60	62.4	104.2	69,600
65	59.4	101.2	57,600
70	56.3	97.9	47,700
75	53.0	94.1	39,300
80	49.6	89.9	32,100
85	46.0	85.1	25,900
90	42.2	79.7	20,500
95	38.0	73.4	15,700
100	33.3	66.0	11,500

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

130 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	326,900 *
25	82.5	126.6	324,300 *
26	82.0	126.4	322,000 *
27	81.6	126.3	319,600 *
28	81.1	126.1	316,900
29	80.6	125.9	295,700
30	80.1	125.7	276,700
32	79.1	125.3	244,300
34	78.1	124.8	217,700
36	77.2	124.4	195,300
38	76.2	123.8	176,300
40	75.2	123.3	160,000
42	74.2	122.7	145,800
44	73.2	122.0	133,300
46	72.2	121.4	122,300
48	71.2	120.6	112,400
50	70.1	119.9	103,600
55	67.6	117.8	85,100
60	64.9	115.5	70,400
65	62.2	112.8	58,400
70	59.5	109.9	48,500
75	56.6	106.6	40,100
80	53.6	102.9	32,900
85	50.6	98.8	26,700
90	47.3	94.2	21,300
95	43.9	89.1	16,500
100	40.2	83.3	12,200
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	296,900
30	80.9	135.9	277,900
32	80.0	135.5	245,500
34	79.1	135.1	218,900
36	78.2	134.6	196,500
38	77.3	134.2	177,500
40	76.4	133.6	161,200
42	75.4	133.1	147,000
44	74.5	132.5	134,500
46	73.6	131.9	123,400
48	72.7	131.2	113,600
50	71.7	130.5	104,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
55	69.4	128.7	86,300
60	67.0	126.5	71,600
65	64.5	124.1	59,600
70	62.1	121.5	49,600
75	59.5	118.5	41,200
80	56.9	115.3	34,100
85	54.2	111.7	27,900
90	51.3	107.7	22,400
95	48.4	103.3	17,700
100	45.3	98.4	13,400
140 Ft. BOOM			
27	82.8	146.5	304,300 *
28	82.4	146.4	302,300 *
29	81.9	146.2	298,000
30	81.5	146.0	279,000
32	80.7	145.7	246,500
34	79.9	145.3	219,700
36	79.0	144.9	197,300
38	78.2	144.4	178,300
40	77.4	144.0	161,900
42	76.5	143.5	147,600
44	75.7	142.9	135,100
46	74.8	142.3	124,000
48	74.0	141.7	114,200
50	73.1	141.1	105,300
55	70.9	139.4	86,800
60	68.7	137.4	72,000
65	66.5	135.2	60,000
70	64.2	132.8	50,000
75	61.9	130.1	41,600
80	59.5	127.2	34,400
85	57.1	124.0	28,200
90	54.6	120.4	22,800
95	52.0	116.5	18,000
100	49.3	112.2	13,700
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	247,200
34	80.6	155.5	220,400
36	79.8	155.1	197,900
38	79.0	154.7	178,800
40	78.2	154.2	162,400
42	77.4	153.8	148,100
44	76.6	153.3	135,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
46	75.8	152.7	124,500
48	75.1	152.2	114,600
50	74.3	151.6	105,800
55	72.3	150.0	87,200
60	70.2	148.2	72,400
65	68.2	146.2	60,400
70	66.1	143.9	50,400
75	63.9	141.5	42,000
80	61.8	138.8	34,800
85	59.6	135.9	28,600
90	57.3	132.6	23,100
95	55.0	129.1	18,300
100	52.6	125.3	14,100
105	50.1	121.2	10,300
160 Ft. BOOM			
29	83.0	166.4	256,800 *
30	82.6	166.3	254,900 *
32	81.9	166.0	247,800
34	81.1	165.7	220,900
36	80.4	165.3	198,400
38	79.7	164.9	179,300
40	79.0	164.5	162,800
42	78.2	164.0	148,500
44	77.5	163.6	136,000
46	76.8	163.1	124,900
48	76.0	162.6	115,000
50	75.3	162.0	106,100
55	73.4	160.5	87,400
60	71.5	158.8	72,600
65	69.6	157.0	60,600
70	67.7	154.9	50,600
75	65.7	152.6	42,100
80	63.7	150.2	34,900
85	61.7	147.5	28,700
90	59.6	144.5	23,200
95	57.5	141.3	18,400
100	55.3	137.9	14,200
105	53.1	134.1	10,400



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

130 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	248,300 *
32	82.4	176.1	241,300 *
34	81.7	175.8	221,300
36	81.0	175.5	198,800
38	80.3	175.1	179,700
40	79.6	174.7	163,200
42	78.9	174.3	148,900
44	78.2	173.8	136,400
46	77.5	173.4	125,300
48	76.9	172.9	115,400
50	76.2	172.4	106,500
55	74.4	171.0	87,900
60	72.6	169.4	73,000
65	70.9	167.6	61,000
70	69.1	165.7	51,000
75	67.2	163.6	42,600
80	65.4	161.3	35,300
85	63.5	158.8	29,100
90	61.6	156.1	23,700
95	59.6	153.2	18,900
100	57.6	150.0	14,600
105	55.6	146.6	10,800
180 Ft. BOOM			
32	82.8	186.2	230,400 *
34	82.1	185.9	221,800
36	81.5	185.6	199,200
38	80.9	185.3	180,100
40	80.2	184.9	163,600
42	79.6	184.5	149,200
44	78.9	184.1	136,600
46	78.3	183.6	125,500
48	77.6	183.2	115,600
50	76.9	182.7	106,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
55	75.3	181.4	88,000
60	73.6	179.9	73,100
65	72.0	178.3	61,000
70	70.3	176.5	51,000
75	68.6	174.5	42,600
80	66.8	172.3	35,300
85	65.1	170.0	29,100
90	63.3	167.5	23,600
95	61.5	164.8	18,800
100	59.6	161.8	14,500
105	57.8	158.7	10,700
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	180,000 *
38	81.3	195.4	180,000 *
40	80.7	195.1	163,700
42	80.1	194.7	149,300
44	79.5	194.3	136,700
46	78.9	193.9	125,500
48	78.3	193.4	115,600
50	77.6	193.0	106,700
55	76.1	191.7	88,000
60	74.5	190.3	73,100
65	72.9	188.8	61,000
70	71.4	187.1	51,000
75	69.7	185.3	42,500
80	68.1	183.2	35,300
85	66.5	181.1	29,000
90	64.8	178.7	23,500
95	63.1	176.2	18,700
100	61.4	173.4	14,500
105	59.7	170.5	10,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	180,000 *
38	81.8	205.5	177,600 *
40	81.2	205.2	163,800
42	80.6	204.8	149,400
44	80.0	204.5	136,800
46	79.4	204.1	125,600
48	78.9	203.7	115,700
50	78.3	203.2	106,700
55	76.8	202.1	88,000
60	75.3	200.7	73,100
65	73.8	199.3	60,900
70	72.3	197.7	50,900
75	70.8	195.9	42,400
80	69.3	194.0	35,100
85	67.7	192.0	28,900
90	66.2	189.8	23,400
95	64.6	187.4	18,600
100	63.0	184.8	14,300
105	61.3	182.1	10,400

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

140 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	466,300 *
21	81.7	86.7	461,700 *
22	80.9	86.5	457,200 *
23	80.2	86.3	440,900 *
24	79.5	86.1	419,900
25	78.7	85.9	384,300
26	78.0	85.6	353,600
27	77.3	85.4	326,900
28	76.5	85.1	303,300
29	75.8	84.8	282,400
30	75.0	84.5	263,800
32	73.5	83.9	231,900
34	72.0	83.2	205,600
36	70.5	82.4	183,600
38	68.9	81.6	164,900
40	67.3	80.7	148,800
42	65.8	79.8	134,800
44	64.2	78.7	122,600
46	62.5	77.6	111,700
48	60.9	76.5	102,000
50	59.2	75.2	93,300
55	54.8	71.7	75,100
60	50.2	67.6	60,600
65	45.1	62.7	48,800
70	39.6	56.8	38,900
75	33.3	49.4	30,700
90 Ft. BOOM			
21	82.6	96.9	453,200 *
22	81.9	96.7	448,700 *
23	81.3	96.5	441,700 *
24	80.6	96.3	422,400 *
25	80.0	96.1	387,600
26	79.3	95.9	356,800
27	78.7	95.7	330,000
28	78.0	95.4	306,400
29	77.4	95.2	285,400
30	76.7	94.9	266,700
32	75.4	94.4	234,800
34	74.1	93.7	208,500
36	72.7	93.1	186,400
38	71.4	92.4	167,700
40	70.0	91.6	151,500
42	68.6	90.8	137,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
44	67.2	89.9	125,200
46	65.8	88.9	114,300
48	64.4	87.9	104,600
50	63.0	86.8	95,900
55	59.3	83.9	77,600
60	55.4	80.4	63,100
65	51.3	76.5	51,300
70	47.0	71.8	41,400
75	42.3	66.5	33,100
80	37.1	60.0	26,000
100 Ft. BOOM			
22	82.8	106.8	432,000 *
23	82.2	106.7	427,700 *
24	81.6	106.5	422,700 *
25	81.0	106.3	390,300
26	80.4	106.1	359,400
27	79.8	105.9	332,500
28	79.3	105.7	308,800
29	78.7	105.5	287,800
30	78.1	105.2	269,100
32	76.9	104.7	237,000
34	75.7	104.2	210,600
36	74.5	103.6	188,500
38	73.3	103.0	169,700
40	72.1	102.3	153,500
42	70.9	101.5	139,400
44	69.7	100.8	127,100
46	68.4	99.9	116,200
48	67.2	99.0	106,400
50	65.9	98.1	97,700
55	62.7	95.5	79,400
60	59.3	92.5	64,800
65	55.9	89.2	52,900
70	52.3	85.3	43,100
75	48.5	80.9	34,800
80	44.4	75.9	27,700
85	40.0	70.0	21,500
90	35.1	63.1	16,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
23	82.9	116.8	334,200 *
24	82.4	116.6	331,100 *
25	81.8	116.5	328,100 *
26	81.3	116.3	325,200 *
27	80.8	116.1	322,400 *
28	80.3	115.9	310,800
29	79.7	115.7	289,700
30	79.2	115.5	270,900
32	78.1	115.0	238,800
34	77.0	114.6	212,400
36	76.0	114.0	190,200
38	74.9	113.4	171,400
40	73.8	112.8	155,100
42	72.7	112.2	141,000
44	71.6	111.5	128,700
46	70.5	110.7	117,700
48	69.4	109.9	108,000
50	68.2	109.1	99,200
55	65.4	106.8	80,900
60	62.4	104.2	66,300
65	59.4	101.2	54,400
70	56.3	97.9	44,500
75	53.0	94.1	36,200
80	49.6	89.9	29,100
85	46.0	85.1	22,900
90	42.2	79.7	17,600
95	38.0	73.4	12,800

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

140 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	312,400
29	80.6	125.9	291,300
30	80.1	125.7	272,400
32	79.1	125.3	240,200
34	78.1	124.8	213,700
36	77.2	124.4	191,500
38	76.2	123.8	172,600
40	75.2	123.3	156,300
42	74.2	122.7	142,200
44	73.2	122.0	129,800
46	72.2	121.4	118,800
48	71.2	120.6	109,100
50	70.1	119.9	100,300
55	67.6	117.8	81,900
60	64.9	115.5	67,300
65	62.2	112.8	55,300
70	59.5	109.9	45,500
75	56.6	106.6	37,100
80	53.6	102.9	30,000
85	50.6	98.8	23,800
90	47.3	94.2	18,400
95	43.9	89.1	13,700
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	292,600
30	80.9	135.9	273,800
32	80.0	135.5	241,500
34	79.1	135.1	215,000
36	78.2	134.6	192,800
38	77.3	134.2	173,900
40	76.4	133.6	157,600
42	75.4	133.1	143,500
44	74.5	132.5	131,100
46	73.6	131.9	120,100
48	72.7	131.2	110,300
50	71.7	130.5	101,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
55	69.4	128.7	83,200
60	67.0	126.5	68,500
65	64.5	124.1	56,600
70	62.1	121.5	46,700
75	59.5	118.5	38,400
80	56.9	115.3	31,300
85	54.2	111.7	25,100
90	51.3	107.7	19,700
95	48.4	103.3	15,000
100	45.3	98.4	10,700
140 Ft. BOOM			
27	82.8	146.5	301,000 *
28	82.4	146.4	298,900 *
29	81.9	146.2	293,800
30	81.5	146.0	274,900
32	80.7	145.7	242,600
34	79.9	145.3	216,000
36	79.0	144.9	193,700
38	78.2	144.4	174,700
40	77.4	144.0	158,400
42	76.5	143.5	144,300
44	75.7	142.9	131,800
46	74.8	142.3	120,800
48	74.0	141.7	111,000
50	73.1	141.1	102,200
55	70.9	139.4	83,800
60	68.7	137.4	69,100
65	66.5	135.2	57,100
70	64.2	132.8	47,200
75	61.9	130.1	38,900
80	59.5	127.2	31,700
85	57.1	124.0	25,500
90	54.6	120.4	20,100
95	52.0	116.5	15,400
100	49.3	112.2	11,200
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	243,400
34	80.6	155.5	216,700
36	79.8	155.1	194,400
38	79.0	154.7	175,400
40	78.2	154.2	159,100
42	77.4	153.8	144,900
44	76.6	153.3	132,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
46	75.8	152.7	121,400
48	75.1	152.2	111,600
50	74.3	151.6	102,800
55	72.3	150.0	84,300
60	70.2	148.2	69,600
65	68.2	146.2	57,600
70	66.1	143.9	47,700
75	63.9	141.5	39,300
80	61.8	138.8	32,200
85	59.6	135.9	26,000
90	57.3	132.6	20,600
95	55.0	129.1	15,800
100	52.6	125.3	11,600
160 Ft. BOOM			
29	83.0	166.4	253,600 *
30	82.6	166.3	251,800 *
32	81.9	166.0	244,100
34	81.1	165.7	217,300
36	80.4	165.3	195,000
38	79.7	164.9	175,900
40	79.0	164.5	159,600
42	78.2	164.0	145,300
44	77.5	163.6	132,800
46	76.8	163.1	121,800
48	76.0	162.6	111,900
50	75.3	162.0	103,100
55	73.4	160.5	84,600
60	71.5	158.8	69,900
65	69.6	157.0	57,900
70	67.7	154.9	47,900
75	65.7	152.6	39,500
80	63.7	150.2	32,400
85	61.7	147.5	26,200
90	59.6	144.5	20,700
95	57.5	141.3	16,000
100	55.3	137.9	11,700

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

140 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	245,200 *
32	82.4	176.1	237,600 *
34	81.7	175.8	217,800
36	81.0	175.5	195,500
38	80.3	175.1	176,400
40	79.6	174.7	160,100
42	78.9	174.3	145,800
44	78.2	173.8	133,300
46	77.5	173.4	122,300
48	76.9	172.9	112,400
50	76.2	172.4	103,600
55	74.4	171.0	85,100
60	72.6	169.4	70,300
65	70.9	167.6	58,300
70	69.1	165.7	48,400
75	67.2	163.6	40,000
80	65.4	161.3	32,800
85	63.5	158.8	26,600
90	61.6	156.1	21,200
95	59.6	153.2	16,500
100	57.6	150.0	12,200
180 Ft. BOOM			
32	82.8	186.2	226,700 *
34	82.1	185.9	218,400
36	81.5	185.6	195,900
38	80.9	185.3	176,800
40	80.2	184.9	160,400
42	79.6	184.5	146,200
44	78.9	184.1	133,600
46	78.3	183.6	122,500
48	77.6	183.2	112,700
50	76.9	182.7	103,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
55	75.3	181.4	85,200
60	73.6	179.9	70,500
65	72.0	178.3	58,500
70	70.3	176.5	48,500
75	68.6	174.5	40,100
80	66.8	172.3	32,900
85	65.1	170.0	26,700
90	63.3	167.5	21,200
95	61.5	164.8	16,500
100	59.6	161.8	12,200
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	180,000 *
38	81.3	195.4	177,100
40	80.7	195.1	160,600
42	80.1	194.7	146,300
44	79.5	194.3	133,800
46	78.9	193.9	122,700
48	78.3	193.4	112,800
50	77.6	193.0	103,900
55	76.1	191.7	85,300
60	74.5	190.3	70,500
65	72.9	188.8	58,500
70	71.4	187.1	48,500
75	69.7	185.3	40,100
80	68.1	183.2	32,900
85	66.5	181.1	26,700
90	64.8	178.7	21,200
95	63.1	176.2	16,400
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	180,000 *
36	82.4	205.8	179,300 *
38	81.8	205.5	174,300 *
40	81.2	205.2	160,800
42	80.6	204.8	146,500
44	80.0	204.5	133,900
46	79.4	204.1	122,800
48	78.9	203.7	112,900
50	78.3	203.2	104,000
55	76.8	202.1	85,300
60	75.3	200.7	70,500
65	73.8	199.3	58,400
70	72.3	197.7	48,400
75	70.8	195.9	40,000
80	69.3	194.0	32,800
85	67.7	192.0	26,500
90	66.2	189.8	21,100
95	64.6	187.4	16,300
100	63.0	184.8	12,000



M-250

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

150 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	460,500 *
21	81.7	86.7	455,800 *
22	80.9	86.5	451,200 *
23	80.2	86.3	437,400 *
24	79.5	86.1	413,500
25	78.7	85.9	378,200
26	78.0	85.6	347,700
27	77.3	85.4	321,100
28	76.5	85.1	297,700
29	75.8	84.8	277,000
30	75.0	84.5	258,400
32	73.5	83.9	226,800
34	72.0	83.2	200,700
36	70.5	82.4	178,900
38	68.9	81.6	160,300
40	67.3	80.7	144,300
42	65.8	79.8	130,400
44	64.2	78.7	118,200
46	62.5	77.6	107,400
48	60.9	76.5	97,800
50	59.2	75.2	89,200
55	54.8	71.7	71,100
60	50.2	67.6	56,700
65	45.1	62.7	45,000
70	39.6	56.8	35,300
75	33.3	49.4	27,100
90 Ft. BOOM			
21	82.6	96.9	447,800 *
22	81.9	96.7	443,200 *
23	81.3	96.5	438,300 *
24	80.6	96.3	417,100
25	80.0	96.1	381,700
26	79.3	95.9	351,200
27	78.7	95.7	324,500
28	78.0	95.4	301,100
29	77.4	95.2	280,300
30	76.7	94.9	261,700
32	75.4	94.4	230,000
34	74.1	93.7	203,800
36	72.7	93.1	181,900
38	71.4	92.4	163,300
40	70.0	91.6	147,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	133,400
44	67.2	89.9	121,100
46	65.8	88.9	110,300
48	64.4	87.9	100,700
50	63.0	86.8	92,100
55	59.3	83.9	73,900
60	55.4	80.4	59,500
65	51.3	76.5	47,700
70	47.0	71.8	38,000
75	42.3	66.5	29,800
80	37.1	60.0	22,800
100 Ft. BOOM			
22	82.8	106.8	427,000 *
23	82.2	106.7	422,600 *
24	81.6	106.5	418,400 *
25	81.0	106.3	384,700
26	80.4	106.1	354,000
27	79.8	105.9	327,300
28	79.3	105.7	303,700
29	78.7	105.5	282,900
30	78.1	105.2	264,200
32	76.9	104.7	232,400
34	75.7	104.2	206,200
36	74.5	103.6	184,200
38	73.3	103.0	165,500
40	72.1	102.3	149,500
42	70.9	101.5	135,500
44	69.7	100.8	123,200
46	68.4	99.9	112,400
48	67.2	99.0	102,700
50	65.9	98.1	94,100
55	62.7	95.5	75,900
60	59.3	92.5	61,400
65	55.9	89.2	49,600
70	52.3	85.3	39,800
75	48.5	80.9	31,600
80	44.4	75.9	24,600
85	40.0	70.0	18,500
90	35.1	63.1	13,100

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	305,900
29	79.7	115.7	285,000
30	79.2	115.5	266,300
32	78.1	115.0	234,400
34	77.0	114.6	208,100
36	76.0	114.0	186,100
38	74.9	113.4	167,400
40	73.8	112.8	151,300
42	72.7	112.2	137,300
44	71.6	111.5	125,000
46	70.5	110.7	114,100
48	69.4	109.9	104,400
50	68.2	109.1	95,800
55	65.4	106.8	77,500
60	62.4	104.2	63,000
65	59.4	101.2	51,200
70	56.3	97.9	41,400
75	53.0	94.1	33,200
80	49.6	89.9	26,100
85	46.0	85.1	20,000
90	42.2	79.7	14,700
95	38.0	73.4	10,000

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

150 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	307,600
29	80.6	125.9	286,700
30	80.1	125.7	267,900
32	79.1	125.3	235,900
34	78.1	124.8	209,600
36	77.2	124.4	187,500
38	76.2	123.8	168,800
40	75.2	123.3	152,600
42	74.2	122.7	138,600
44	73.2	122.0	126,300
46	72.2	121.4	115,400
48	71.2	120.6	105,700
50	70.1	119.9	97,000
55	67.6	117.8	78,700
60	64.9	115.5	64,100
65	62.2	112.8	52,300
70	59.5	109.9	42,500
75	56.6	106.6	34,200
80	53.6	102.9	27,100
85	50.6	98.8	21,000
90	47.3	94.2	15,700
95	43.9	89.1	11,000
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	288,100
30	80.9	135.9	269,400
32	80.0	135.5	237,400
34	79.1	135.1	211,000
36	78.2	134.6	189,000
38	77.3	134.2	170,200
40	76.4	133.6	154,000
42	75.4	133.1	140,000
44	74.5	132.5	127,700
46	73.6	131.9	116,800
48	72.7	131.2	107,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
50	71.7	130.5	98,300
55	69.4	128.7	80,100
60	67.0	126.5	65,500
65	64.5	124.1	53,700
70	62.1	121.5	43,900
75	59.5	118.5	35,600
80	56.9	115.3	28,500
85	54.2	111.7	22,400
90	51.3	107.7	17,100
95	48.4	103.3	12,400
140 Ft. BOOM			
27	82.8	146.5	298,000 *
28	82.4	146.4	295,800 *
29	81.9	146.2	289,400
30	81.5	146.0	270,700
32	80.7	145.7	238,600
34	79.9	145.3	212,100
36	79.0	144.9	190,000
38	78.2	144.4	171,200
40	77.4	144.0	155,000
42	76.5	143.5	140,900
44	75.7	142.9	128,500
46	74.8	142.3	117,600
48	74.0	141.7	107,800
50	73.1	141.1	99,100
55	70.9	139.4	80,800
60	68.7	137.4	66,200
65	66.5	135.2	54,300
70	64.2	132.8	44,500
75	61.9	130.1	36,200
80	59.5	127.2	29,100
85	57.1	124.0	23,000
90	54.6	120.4	17,600
95	52.0	116.5	12,900
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	239,400
34	80.6	155.5	212,900
36	79.8	155.1	190,800
38	79.0	154.7	171,900
40	78.2	154.2	155,700
42	77.4	153.8	141,600
44	76.6	153.3	129,200
46	75.8	152.7	118,200
48	75.1	152.2	108,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
50	74.3	151.6	99,700
55	72.3	150.0	81,400
60	70.2	148.2	66,800
65	68.2	146.2	54,900
70	66.1	143.9	45,000
75	63.9	141.5	36,700
80	61.8	138.8	29,600
85	59.6	135.9	23,500
90	57.3	132.6	18,100
95	55.0	129.1	13,400
160 Ft. BOOM			
29	83.0	166.4	250,700 *
30	82.6	166.3	248,800 *
32	81.9	166.0	240,200
34	81.1	165.7	213,700
36	80.4	165.3	191,400
38	79.7	164.9	172,500
40	79.0	164.5	156,300
42	78.2	164.0	142,100
44	77.5	163.6	129,700
46	76.8	163.1	118,700
48	76.0	162.6	108,900
50	75.3	162.0	100,200
55	73.4	160.5	81,800
60	71.5	158.8	67,100
65	69.6	157.0	55,200
70	67.7	154.9	45,300
75	65.7	152.6	37,000
80	63.7	150.2	29,900
85	61.7	147.5	23,700
90	59.6	144.5	18,300
95	57.5	141.3	13,600



M-250

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

150 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	242,300 *
32	82.4	176.1	234,000 *
34	81.7	175.8	214,200
36	81.0	175.5	192,000
38	80.3	175.1	173,100
40	79.6	174.7	156,800
42	78.9	174.3	142,700
44	78.2	173.8	130,300
46	77.5	173.4	119,300
48	76.9	172.9	109,500
50	76.2	172.4	100,700
55	74.4	171.0	82,300
60	72.6	169.4	67,700
65	70.9	167.6	55,800
70	69.1	165.7	45,900
75	67.2	163.6	37,600
80	65.4	161.3	30,400
85	63.5	158.8	24,300
90	61.6	156.1	18,900
95	59.6	153.2	14,200
100	57.6	150.0	10,000
180 Ft. BOOM			
32	82.8	186.2	223,200 *
34	82.1	185.9	214,800
36	81.5	185.6	192,500
38	80.9	185.3	173,600
40	80.2	184.9	157,300
42	79.6	184.5	143,100
44	78.9	184.1	130,600
46	78.3	183.6	119,600
48	77.6	183.2	109,800
50	76.9	182.7	101,000
55	75.3	181.4	82,500
60	73.6	179.9	67,900
65	72.0	178.3	55,900
70	70.3	176.5	46,000
75	68.6	174.5	37,700
80	66.8	172.3	30,500
85	65.1	170.0	24,400
90	63.3	167.5	19,000
95	61.5	164.8	14,200
100	59.6	161.8	10,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	180,000 *
38	81.3	195.4	173,800
40	80.7	195.1	157,500
42	80.1	194.7	143,300
44	79.5	194.3	130,800
46	78.9	193.9	119,800
48	78.3	193.4	110,000
50	77.6	193.0	101,200
55	76.1	191.7	82,700
60	74.5	190.3	68,000
65	72.9	188.8	56,000
70	71.4	187.1	46,100
75	69.7	185.3	37,700
80	68.1	183.2	30,600
85	66.5	181.1	24,400
90	64.8	178.7	19,000
95	63.1	176.2	14,200
100	61.4	173.4	10,000
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	157,800
42	80.6	204.8	143,500
44	80.0	204.5	131,000
46	79.4	204.1	120,000
48	78.9	203.7	110,100
50	78.3	203.2	101,300
55	76.8	202.1	82,700
60	75.3	200.7	68,000
65	73.8	199.3	56,000
70	72.3	197.7	46,100
75	70.8	195.9	37,700
80	69.3	194.0	30,500
85	67.7	192.0	24,300
90	66.2	189.8	18,900
95	64.6	187.4	14,200

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

160 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	453,900 *
21	81.7	86.7	449,100 *
22	80.9	86.5	444,400 *
23	80.2	86.3	433,600 *
24	79.5	86.1	406,900
25	78.7	85.9	371,800
26	78.0	85.6	341,600
27	77.3	85.4	315,100
28	76.5	85.1	291,900
29	75.8	84.8	271,300
30	75.0	84.5	252,900
32	73.5	83.9	221,500
34	72.0	83.2	195,600
36	70.5	82.4	173,900
38	68.9	81.6	155,400
40	67.3	80.7	139,500
42	65.8	79.8	125,700
44	64.2	78.7	113,600
46	62.5	77.6	102,900
48	60.9	76.5	93,400
50	59.2	75.2	84,800
55	54.8	71.7	66,800
60	50.2	67.6	52,600
65	45.1	62.7	41,000
70	39.6	56.8	31,300
75	33.3	49.4	23,200
90 Ft. BOOM			
21	82.6	96.9	441,600 *
22	81.9	96.7	436,900 *
23	81.3	96.5	432,300 *
24	80.6	96.3	410,900
25	80.0	96.1	375,700
26	79.3	95.9	345,300
27	78.7	95.7	318,900
28	78.0	95.4	295,600
29	77.4	95.2	274,900
30	76.7	94.9	256,500
32	75.4	94.4	224,900
34	74.1	93.7	198,900
36	72.7	93.1	177,200
38	71.4	92.4	158,700
40	70.0	91.6	142,800
42	68.6	90.8	129,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
44	67.2	89.9	116,800
46	65.8	88.9	106,100
48	64.4	87.9	96,500
50	63.0	86.8	87,900
55	59.3	83.9	69,900
60	55.4	80.4	55,600
65	51.3	76.5	43,900
70	47.0	71.8	34,300
75	42.3	66.5	26,100
80	37.1	60.0	19,200
100 Ft. BOOM			
22	82.8	106.8	421,200 *
23	82.2	106.7	416,800 *
24	81.6	106.5	412,500 *
25	81.0	106.3	378,900
26	80.4	106.1	348,400
27	79.8	105.9	321,800
28	79.3	105.7	298,500
29	78.7	105.5	277,700
30	78.1	105.2	259,200
32	76.9	104.7	227,600
34	75.7	104.2	201,500
36	74.5	103.6	179,700
38	73.3	103.0	161,200
40	72.1	102.3	145,200
42	70.9	101.5	131,300
44	69.7	100.8	119,100
46	68.4	99.9	108,400
48	67.2	99.0	98,800
50	65.9	98.1	90,200
55	62.7	95.5	72,100
60	59.3	92.5	57,700
65	55.9	89.2	46,000
70	52.3	85.3	36,300
75	48.5	80.9	28,100
80	44.4	75.9	21,100
85	40.0	70.0	15,100

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	300,800
29	79.7	115.7	280,000
30	79.2	115.5	261,500
32	78.1	115.0	229,800
34	77.0	114.6	203,700
36	76.0	114.0	181,800
38	74.9	113.4	163,200
40	73.8	112.8	147,200
42	72.7	112.2	133,300
44	71.6	111.5	121,100
46	70.5	110.7	110,300
48	69.4	109.9	100,700
50	68.2	109.1	92,000
55	65.4	106.8	73,900
60	62.4	104.2	59,500
65	59.4	101.2	47,800
70	56.3	97.9	38,100
75	53.0	94.1	29,900
80	49.6	89.9	22,900
85	46.0	85.1	16,800
90	42.2	79.7	11,500



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

160 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	302,700
29	80.6	125.9	281,900
30	80.1	125.7	263,300
32	79.1	125.3	231,500
34	78.1	124.8	205,300
36	77.2	124.4	183,400
38	76.2	123.8	164,700
40	75.2	123.3	148,700
42	74.2	122.7	134,700
44	73.2	122.0	122,500
46	72.2	121.4	111,700
48	71.2	120.6	102,000
50	70.1	119.9	93,400
55	67.6	117.8	75,200
60	64.9	115.5	60,800
65	62.2	112.8	49,000
70	59.5	109.9	39,300
75	56.6	106.6	31,100
80	53.6	102.9	24,000
85	50.6	98.8	18,000
90	47.3	94.2	12,600
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	283,500
30	80.9	135.9	264,900
32	80.0	135.5	233,100
34	79.1	135.1	206,900
36	78.2	134.6	184,900
38	77.3	134.2	166,300
40	76.4	133.6	150,200
42	75.4	133.1	136,300
44	74.5	132.5	124,000
46	73.6	131.9	113,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
48	72.7	131.2	103,500
50	71.7	130.5	94,900
55	69.4	128.7	76,700
60	67.0	126.5	62,300
65	64.5	124.1	50,500
70	62.1	121.5	40,800
75	59.5	118.5	32,600
80	56.9	115.3	25,500
85	54.2	111.7	19,500
90	51.3	107.7	14,200
140 Ft. BOOM			
27	82.8	146.5	294,500 *
28	82.4	146.4	292,300 *
29	81.9	146.2	284,900
30	81.5	146.0	266,300
32	80.7	145.7	234,400
34	79.9	145.3	208,100
36	79.0	144.9	186,100
38	78.2	144.4	167,400
40	77.4	144.0	151,300
42	76.5	143.5	137,300
44	75.7	142.9	125,000
46	74.8	142.3	114,100
48	74.0	141.7	104,400
50	73.1	141.1	95,800
55	70.9	139.4	77,500
60	68.7	137.4	63,100
65	66.5	135.2	51,300
70	64.2	132.8	41,500
75	61.9	130.1	33,200
80	59.5	127.2	26,200
85	57.1	124.0	20,100
90	54.6	120.4	14,800
95	52.0	116.5	10,100

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	235,300
34	80.6	155.5	209,000
36	79.8	155.1	186,900
38	79.0	154.7	168,200
40	78.2	154.2	152,100
42	77.4	153.8	138,100
44	76.6	153.3	125,800
46	75.8	152.7	114,900
48	75.1	152.2	105,200
50	74.3	151.6	96,500
55	72.3	150.0	78,200
60	70.2	148.2	63,700
65	68.2	146.2	51,900
70	66.1	143.9	42,100
75	63.9	141.5	33,900
80	61.8	138.8	26,800
85	59.6	135.9	20,700
90	57.3	132.6	15,400
95	55.0	129.1	10,700
160 Ft. BOOM			
29	83.0	166.4	247,300 *
30	82.6	166.3	245,500 *
32	81.9	166.0	236,200
34	81.1	165.7	209,800
36	80.4	165.3	187,700
38	79.7	164.9	168,900
40	79.0	164.5	152,700
42	78.2	164.0	138,700
44	77.5	163.6	126,400
46	76.8	163.1	115,400
48	76.0	162.6	105,700
50	75.3	162.0	97,000
55	73.4	160.5	78,700
60	71.5	158.8	64,200
65	69.6	157.0	52,300
70	67.7	154.9	42,500
75	65.7	152.6	34,200
80	63.7	150.2	27,200
85	61.7	147.5	21,000
90	59.6	144.5	15,700
95	57.5	141.3	11,000

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

160 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	238,700 *
32	82.4	176.1	230,200 *
34	81.7	175.8	210,400
36	81.0	175.5	188,300
38	80.3	175.1	169,500
40	79.6	174.7	153,400
42	78.9	174.3	139,300
44	78.2	173.8	127,000
46	77.5	173.4	116,100
48	76.9	172.9	106,300
50	76.2	172.4	97,600
55	74.4	171.0	79,300
60	72.6	169.4	64,800
65	70.9	167.6	52,900
70	69.1	165.7	43,100
75	67.2	163.6	34,800
80	65.4	161.3	27,800
85	63.5	158.8	21,700
90	61.6	156.1	16,300
95	59.6	153.2	11,600

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	211,100
36	81.5	185.6	188,900
38	80.9	185.3	170,100
40	80.2	184.9	153,900
42	79.6	184.5	139,800
44	78.9	184.1	127,400
46	78.3	183.6	116,500
48	77.6	183.2	106,700
50	76.9	182.7	98,000
55	75.3	181.4	79,600
60	73.6	179.9	65,000
65	72.0	178.3	53,200
70	70.3	176.5	43,300
75	68.6	174.5	35,000
80	66.8	172.3	27,900
85	65.1	170.0	21,800
90	63.3	167.5	16,400
95	61.5	164.8	11,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	180,000 *
38	81.3	195.4	170,400
40	80.7	195.1	154,200
42	80.1	194.7	140,100
44	79.5	194.3	127,700
46	78.9	193.9	116,700
48	78.3	193.4	106,900
50	77.6	193.0	98,200
55	76.1	191.7	79,800
60	74.5	190.3	65,200
65	72.9	188.8	53,300
70	71.4	187.1	43,500
75	69.7	185.3	35,100
80	68.1	183.2	28,000
85	66.5	181.1	21,900
90	64.8	178.7	16,500
95	63.1	176.2	11,800


M-250

Liftcrane Boom Capacities With Luffing Jib Attached

 Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

170 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	448,600 *
21	81.7	86.7	443,600 *
22	80.9	86.5	438,700 *
23	80.2	86.3	430,500 *
24	79.5	86.1	400,900
25	78.7	85.9	366,000
26	78.0	85.6	336,000
27	77.3	85.4	309,800
28	76.5	85.1	286,700
29	75.8	84.8	266,300
30	75.0	84.5	248,000
32	73.5	83.9	216,800
34	72.0	83.2	191,100
36	70.5	82.4	169,600
38	68.9	81.6	151,300
40	67.3	80.7	135,500
42	65.8	79.8	121,800
44	64.2	78.7	109,800
46	62.5	77.6	99,200
48	60.9	76.5	89,700
50	59.2	75.2	81,200
55	54.8	71.7	63,400
60	50.2	67.6	49,200
65	45.1	62.7	37,700
70	39.6	56.8	28,200
75	33.3	49.4	20,200
90 Ft. BOOM			
21	82.6	96.9	435,900 *
22	81.9	96.7	431,000 *
23	81.3	96.5	426,200 *
24	80.6	96.3	405,100
25	80.0	96.1	370,200
26	79.3	95.9	340,000
27	78.7	95.7	313,800
28	78.0	95.4	290,600
29	77.4	95.2	270,100
30	76.7	94.9	251,800
32	75.4	94.4	220,500
34	74.1	93.7	194,700
36	72.7	93.1	173,100
38	71.4	92.4	154,800
40	70.0	91.6	139,000
42	68.6	90.8	125,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
44	67.2	89.9	113,200
46	65.8	88.9	102,600
48	64.4	87.9	93,100
50	63.0	86.8	84,600
55	59.3	83.9	66,700
60	55.4	80.4	52,500
65	51.3	76.5	40,900
70	47.0	71.8	31,400
75	42.3	66.5	23,300
80	37.1	60.0	16,400
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	373,600
26	80.4	106.1	343,300
27	79.8	105.9	317,000
28	79.3	105.7	293,700
29	78.7	105.5	273,200
30	78.1	105.2	254,800
32	76.9	104.7	223,400
34	75.7	104.2	197,500
36	74.5	103.6	175,900
38	73.3	103.0	157,400
40	72.1	102.3	141,600
42	70.9	101.5	127,800
44	69.7	100.8	115,700
46	68.4	99.9	105,000
48	67.2	99.0	95,500
50	65.9	98.1	87,000
55	62.7	95.5	69,000
60	59.3	92.5	54,800
65	55.9	89.2	43,200
70	52.3	85.3	33,600
75	48.5	80.9	25,500
80	44.4	75.9	18,500
85	40.0	70.0	12,500

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	296,200
29	79.7	115.7	275,600
30	79.2	115.5	257,200
32	78.1	115.0	225,700
34	77.0	114.6	199,800
36	76.0	114.0	178,100
38	74.9	113.4	159,600
40	73.8	112.8	143,800
42	72.7	112.2	129,900
44	71.6	111.5	117,800
46	70.5	110.7	107,100
48	69.4	109.9	97,600
50	68.2	109.1	89,000
55	65.4	106.8	71,000
60	62.4	104.2	56,700
65	59.4	101.2	45,100
70	56.3	97.9	35,500
75	53.0	94.1	27,300
80	49.6	89.9	20,400
85	46.0	85.1	14,400

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

170 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	298,300
29	80.6	125.9	277,600
30	80.1	125.7	259,100
32	79.1	125.3	227,600
34	78.1	124.8	201,600
36	77.2	124.4	179,800
38	76.2	123.8	161,300
40	75.2	123.3	145,400
42	74.2	122.7	131,500
44	73.2	122.0	119,400
46	72.2	121.4	108,600
48	71.2	120.6	99,100
50	70.1	119.9	90,500
55	67.6	117.8	72,400
60	64.9	115.5	58,100
65	62.2	112.8	46,500
70	59.5	109.9	36,800
75	56.6	106.6	28,600
80	53.6	102.9	21,700
85	50.6	98.8	15,600
90	47.3	94.2	10,400
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	279,400
30	80.9	135.9	260,900
32	80.0	135.5	229,300
34	79.1	135.1	203,300
36	78.2	134.6	181,500
38	77.3	134.2	163,000
40	76.4	133.6	147,000
42	75.4	133.1	133,200
44	74.5	132.5	121,000
46	73.6	131.9	110,300
48	72.7	131.2	100,700
50	71.7	130.5	92,100
55	69.4	128.7	74,100
60	67.0	126.5	59,700
65	64.5	124.1	48,100
70	62.1	121.5	38,400
75	59.5	118.5	30,200
80	56.9	115.3	23,300
85	54.2	111.7	17,200
90	51.3	107.7	12,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
27	82.8	146.5	291,300 *
28	82.4	146.4	289,200 *
29	81.9	146.2	280,900
30	81.5	146.0	262,400
32	80.7	145.7	230,700
34	79.9	145.3	204,600
36	79.0	144.9	182,700
38	78.2	144.4	164,200
40	77.4	144.0	148,200
42	76.5	143.5	134,300
44	75.7	142.9	122,100
46	74.8	142.3	111,300
48	74.0	141.7	101,700
50	73.1	141.1	93,100
55	70.9	139.4	75,000
60	68.7	137.4	60,600
65	66.5	135.2	48,900
70	64.2	132.8	39,200
75	61.9	130.1	31,000
80	59.5	127.2	24,000
85	57.1	124.0	18,000
90	54.6	120.4	12,700
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	231,700
34	80.6	155.5	205,600
36	79.8	155.1	183,700
38	79.0	154.7	165,100
40	78.2	154.2	149,100
42	77.4	153.8	135,200
44	76.6	153.3	122,900
46	75.8	152.7	112,100
48	75.1	152.2	102,500
50	74.3	151.6	93,900
55	72.3	150.0	75,700
60	70.2	148.2	61,300
65	68.2	146.2	49,600
70	66.1	143.9	39,900
75	63.9	141.5	31,700
80	61.8	138.8	24,700
85	59.6	135.9	18,600
90	57.3	132.6	13,400

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	232,700
34	81.1	165.7	206,500
36	80.4	165.3	184,500
38	79.7	164.9	165,900
40	79.0	164.5	149,800
42	78.2	164.0	135,900
44	77.5	163.6	123,600
46	76.8	163.1	112,800
48	76.0	162.6	103,100
50	75.3	162.0	94,500
55	73.4	160.5	76,300
60	71.5	158.8	61,900
65	69.6	157.0	50,100
70	67.7	154.9	40,400
75	65.7	152.6	32,100
80	63.7	150.2	25,100
85	61.7	147.5	19,100
90	59.6	144.5	13,700



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

170 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	235,100 *
32	82.4	176.1	226,600 *
34	81.7	175.8	207,200
36	81.0	175.5	185,200
38	80.3	175.1	166,600
40	79.6	174.7	150,500
42	78.9	174.3	136,500
44	78.2	173.8	124,300
46	77.5	173.4	113,500
48	76.9	172.9	103,800
50	76.2	172.4	95,200
55	74.4	171.0	77,000
60	72.6	169.4	62,500
65	70.9	167.6	50,800
70	69.1	165.7	41,000
75	67.2	163.6	32,800
80	65.4	161.3	25,800
85	63.5	158.8	19,700
90	61.6	156.1	14,400

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	207,900
36	81.5	185.6	185,900
38	80.9	185.3	167,200
40	80.2	184.9	151,100
42	79.6	184.5	137,100
44	78.9	184.1	124,800
46	78.3	183.6	113,900
48	77.6	183.2	104,200
50	76.9	182.7	95,600
55	75.3	181.4	77,300
60	73.6	179.9	62,900
65	72.0	178.3	51,100
70	70.3	176.5	41,300
75	68.6	174.5	33,100
80	66.8	172.3	26,000
85	65.1	170.0	19,900
90	63.3	167.5	14,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	179,600 *
38	81.3	195.4	167,600
40	80.7	195.1	151,400
42	80.1	194.7	137,400
44	79.5	194.3	125,100
46	78.9	193.9	114,200
48	78.3	193.4	104,500
50	77.6	193.0	95,800
55	76.1	191.7	77,600
60	74.5	190.3	63,100
65	72.9	188.8	51,300
70	71.4	187.1	41,500
75	69.7	185.3	33,200
80	68.1	183.2	26,200
85	66.5	181.1	20,100
90	64.8	178.7	14,700
95	63.1	176.2	10,100

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

180 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	441,700 *
21	81.7	86.7	436,600 *
22	80.9	86.5	431,500 *
23	80.2	86.3	426,600 *
24	79.5	86.1	393,900
25	78.7	85.9	359,300
26	78.0	85.6	329,500
27	77.3	85.4	303,500
28	76.5	85.1	280,600
29	75.8	84.8	260,200
30	75.0	84.5	242,100
32	73.5	83.9	211,100
34	72.0	83.2	185,600
36	70.5	82.4	164,200
38	68.9	81.6	146,100
40	67.3	80.7	130,500
42	65.8	79.8	116,900
44	64.2	78.7	104,900
46	62.5	77.6	94,400
48	60.9	76.5	85,000
50	59.2	75.2	76,600
55	54.8	71.7	58,900
60	50.2	67.6	44,900
65	45.1	62.7	33,500
70	39.6	56.8	24,000
75	33.3	49.4	16,100
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	398,400
25	80.0	96.1	363,800
26	79.3	95.9	333,900
27	78.7	95.7	307,800
28	78.0	95.4	284,800
29	77.4	95.2	264,400
30	76.7	94.9	246,200
32	75.4	94.4	215,200
34	74.1	93.7	189,600
36	72.7	93.1	168,100
38	71.4	92.4	149,900
40	70.0	91.6	134,200
42	68.6	90.8	120,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
44	67.2	89.9	108,700
46	65.8	88.9	98,100
48	64.4	87.9	88,700
50	63.0	86.8	80,200
55	59.3	83.9	62,500
60	55.4	80.4	48,400
65	51.3	76.5	36,900
70	47.0	71.8	27,400
75	42.3	66.5	19,400
80	37.1	60.0	12,600
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	367,400
26	80.4	106.1	337,400
27	79.8	105.9	311,200
28	79.3	105.7	288,200
29	78.7	105.5	267,700
30	78.1	105.2	249,500
32	76.9	104.7	218,300
34	75.7	104.2	192,600
36	74.5	103.6	171,100
38	73.3	103.0	152,800
40	72.1	102.3	137,100
42	70.9	101.5	123,400
44	69.7	100.8	111,400
46	68.4	99.9	100,800
48	67.2	99.0	91,300
50	65.9	98.1	82,900
55	62.7	95.5	65,000
60	59.3	92.5	50,900
65	55.9	89.2	39,400
70	52.3	85.3	29,900
75	48.5	80.9	21,800
80	44.4	75.9	15,000

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	290,900
29	79.7	115.7	270,400
30	79.2	115.5	252,100
32	78.1	115.0	220,800
34	77.0	114.6	195,100
36	76.0	114.0	173,500
38	74.9	113.4	155,200
40	73.8	112.8	139,400
42	72.7	112.2	125,700
44	71.6	111.5	113,700
46	70.5	110.7	103,100
48	69.4	109.9	93,600
50	68.2	109.1	85,100
55	65.4	106.8	67,200
60	62.4	104.2	53,000
65	59.4	101.2	41,500
70	56.3	97.9	31,900
75	53.0	94.1	23,900
80	49.6	89.9	17,000
85	46.0	85.1	11,000



M-250

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

180 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	293,100
29	80.6	125.9	272,600
30	80.1	125.7	254,200
32	79.1	125.3	222,900
34	78.1	124.8	197,000
36	77.2	124.4	175,400
38	76.2	123.8	157,000
40	75.2	123.3	141,200
42	74.2	122.7	127,500
44	73.2	122.0	115,400
46	72.2	121.4	104,700
48	71.2	120.6	95,200
50	70.1	119.9	86,700
55	67.6	117.8	68,800
60	64.9	115.5	54,600
65	62.2	112.8	43,000
70	59.5	109.9	33,400
75	56.6	106.6	25,300
80	53.6	102.9	18,400
85	50.6	98.8	12,400
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	274,500
30	80.9	135.9	256,100
32	80.0	135.5	224,700
34	79.1	135.1	198,900
36	78.2	134.6	177,300
38	77.3	134.2	158,900
40	76.4	133.6	143,000
42	75.4	133.1	129,300
44	74.5	132.5	117,200
46	73.6	131.9	106,500
48	72.7	131.2	97,000
50	71.7	130.5	88,500
55	69.4	128.7	70,600
60	67.0	126.5	56,300
65	64.5	124.1	44,800
70	62.1	121.5	35,100
75	59.5	118.5	27,000
80	56.9	115.3	20,100
85	54.2	111.7	14,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
27	82.8	146.5	288,200 *
28	82.4	146.4	286,000 *
29	81.9	146.2	276,100
30	81.5	146.0	257,700
32	80.7	145.7	226,200
34	79.9	145.3	200,300
36	79.0	144.9	178,600
38	78.2	144.4	160,200
40	77.4	144.0	144,300
42	76.5	143.5	130,500
44	75.7	142.9	118,400
46	74.8	142.3	107,700
48	74.0	141.7	98,100
50	73.1	141.1	89,500
55	70.9	139.4	71,600
60	68.7	137.4	57,300
65	66.5	135.2	45,700
70	64.2	132.8	36,100
75	61.9	130.1	27,900
80	59.5	127.2	21,000
85	57.1	124.0	15,000
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	227,400
34	80.6	155.5	201,400
36	79.8	155.1	179,700
38	79.0	154.7	161,200
40	78.2	154.2	145,300
42	77.4	153.8	131,500
44	76.6	153.3	119,300
46	75.8	152.7	108,600
48	75.1	152.2	99,000
50	74.3	151.6	90,500
55	72.3	150.0	72,500
60	70.2	148.2	58,200
65	68.2	146.2	46,500
70	66.1	143.9	36,900
75	63.9	141.5	28,700
80	61.8	138.8	21,800
85	59.6	135.9	15,800
90	57.3	132.6	10,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	241,400 *
30	82.6	166.3	239,500 *
32	81.9	166.0	228,400
34	81.1	165.7	202,400
36	80.4	165.3	180,600
38	79.7	164.9	162,100
40	79.0	164.5	146,100
42	78.2	164.0	132,300
44	77.5	163.6	120,100
46	76.8	163.1	109,300
48	76.0	162.6	99,700
50	75.3	162.0	91,100
55	73.4	160.5	73,100
60	71.5	158.8	58,800
65	69.6	157.0	47,100
70	67.7	154.9	37,400
75	65.7	152.6	29,200
80	63.7	150.2	22,300
85	61.7	147.5	16,200
90	59.6	144.5	11,000
170 Ft. BOOM			
30	83.0	176.4	231,700 *
32	82.4	176.1	223,200 *
34	81.7	175.8	203,200
36	81.0	175.5	181,400
38	80.3	175.1	162,800
40	79.6	174.7	146,900
42	78.9	174.3	133,000
44	78.2	173.8	120,900
46	77.5	173.4	110,100
48	76.9	172.9	100,500
50	76.2	172.4	91,900
55	74.4	171.0	73,800
60	72.6	169.4	59,500
65	70.9	167.6	47,800
70	69.1	165.7	38,200
75	67.2	163.6	30,000
80	65.4	161.3	23,000
85	63.5	158.8	17,000
90	61.6	156.1	11,700

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

180 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	212,300 *
34	82.1	185.9	204,000
36	81.5	185.6	182,100
38	80.9	185.3	163,500
40	80.2	184.9	147,500
42	79.6	184.5	133,600
44	78.9	184.1	121,400
46	78.3	183.6	110,600
48	77.6	183.2	101,000
50	76.9	182.7	92,400
55	75.3	181.4	74,300
60	73.6	179.9	59,900
65	72.0	178.3	48,200
70	70.3	176.5	38,500
75	68.6	174.5	30,300
80	66.8	172.3	23,300
85	65.1	170.0	17,300
90	63.3	167.5	12,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	180,000 *
36	81.9	195.7	176,500 *
38	81.3	195.4	164,000
40	80.7	195.1	147,900
42	80.1	194.7	134,000
44	79.5	194.3	121,800
46	78.9	193.9	111,000
48	78.3	193.4	101,300
50	77.6	193.0	92,700
55	76.1	191.7	74,600
60	74.5	190.3	60,200
65	72.9	188.8	48,400
70	71.4	187.1	38,700
75	69.7	185.3	30,500
80	68.1	183.2	23,500
85	66.5	181.1	17,500
90	64.8	178.7	12,200



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

190 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	435,000 *
21	81.7	86.7	429,700 *
22	80.9	86.5	424,400 *
23	80.2	86.3	419,300 *
24	79.5	86.1	386,700
25	78.7	85.9	352,400
26	78.0	85.6	322,800
27	77.3	85.4	297,000
28	76.5	85.1	274,300
29	75.8	84.8	254,200
30	75.0	84.5	236,200
32	73.5	83.9	205,500
34	72.0	83.2	180,200
36	70.5	82.4	159,000
38	68.9	81.6	141,000
40	67.3	80.7	125,500
42	65.8	79.8	112,000
44	64.2	78.7	100,200
46	62.5	77.6	89,700
48	60.9	76.5	80,400
50	59.2	75.2	72,000
55	54.8	71.7	54,500
60	50.2	67.6	40,600
65	45.1	62.7	29,300
70	39.6	56.8	20,000
75	33.3	49.4	12,100
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	391,600
25	80.0	96.1	357,200
26	79.3	95.9	327,500
27	78.7	95.7	301,600
28	78.0	95.4	278,900
29	77.4	95.2	258,700
30	76.7	94.9	240,600
32	75.4	94.4	209,800
34	74.1	93.7	184,400
36	72.7	93.1	163,200
38	71.4	92.4	145,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
40	70.0	91.6	129,500
42	68.6	90.8	116,000
44	67.2	89.9	104,200
46	65.8	88.9	93,700
48	64.4	87.9	84,300
50	63.0	86.8	76,000
55	59.3	83.9	58,400
60	55.4	80.4	44,400
65	51.3	76.5	33,100
70	47.0	71.8	23,700
75	42.3	66.5	15,700
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	361,100
26	80.4	106.1	331,300
27	79.8	105.9	305,400
28	79.3	105.7	282,500
29	78.7	105.5	262,200
30	78.1	105.2	244,100
32	76.9	104.7	213,200
34	75.7	104.2	187,700
36	74.5	103.6	166,400
38	73.3	103.0	148,200
40	72.1	102.3	132,600
42	70.9	101.5	119,100
44	69.7	100.8	107,200
46	68.4	99.9	96,600
48	67.2	99.0	87,200
50	65.9	98.1	78,800
55	62.7	95.5	61,200
60	59.3	92.5	47,200
65	55.9	89.2	35,800
70	52.3	85.3	26,300
75	48.5	80.9	18,300
80	44.4	75.9	11,500

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	285,400
29	79.7	115.7	265,100
30	79.2	115.5	246,900
32	78.1	115.0	215,900
34	77.0	114.6	190,400
36	76.0	114.0	169,000
38	74.9	113.4	150,800
40	73.8	112.8	135,200
42	72.7	112.2	121,600
44	71.6	111.5	109,600
46	70.5	110.7	99,100
48	69.4	109.9	89,700
50	68.2	109.1	81,200
55	65.4	106.8	63,500
60	62.4	104.2	49,500
65	59.4	101.2	38,000
70	56.3	97.9	28,600
75	53.0	94.1	20,600
80	49.6	89.9	13,700

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

190 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	287,800
29	80.6	125.9	267,400
30	80.1	125.7	249,200
32	79.1	125.3	218,100
34	78.1	124.8	192,500
36	77.2	124.4	171,100
38	76.2	123.8	152,800
40	75.2	123.3	137,100
42	74.2	122.7	123,500
44	73.2	122.0	111,500
46	72.2	121.4	100,900
48	71.2	120.6	91,500
50	70.1	119.9	83,000
55	67.6	117.8	65,300
60	64.9	115.5	51,200
65	62.2	112.8	39,700
70	59.5	109.9	30,200
75	56.6	106.6	22,200
80	53.6	102.9	15,300
130 Ft. BOOM			
26	82.7	136.6	297,000 *
27	82.2	136.4	294,500 *
28	81.8	136.2	289,900
29	81.3	136.1	269,500
30	80.9	135.9	251,300
32	80.0	135.5	220,100
34	79.1	135.1	194,500
36	78.2	134.6	173,000
38	77.3	134.2	154,800
40	76.4	133.6	139,100
42	75.4	133.1	125,400
44	74.5	132.5	113,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
46	73.6	131.9	102,800
48	72.7	131.2	93,400
50	71.7	130.5	84,900
55	69.4	128.7	67,200
60	67.0	126.5	53,100
65	64.5	124.1	41,600
70	62.1	121.5	32,000
75	59.5	118.5	24,000
80	56.9	115.3	17,200
85	54.2	111.7	11,200
140 Ft. BOOM			
27	82.8	146.5	284,800 *
28	82.4	146.4	282,500 *
29	81.9	146.2	271,300
30	81.5	146.0	253,000
32	80.7	145.7	221,800
34	79.9	145.3	196,000
36	79.0	144.9	174,500
38	78.2	144.4	156,200
40	77.4	144.0	140,400
42	76.5	143.5	126,700
44	75.7	142.9	114,700
46	74.8	142.3	104,100
48	74.0	141.7	94,600
50	73.1	141.1	86,100
55	70.9	139.4	68,300
60	68.7	137.4	54,100
65	66.5	135.2	42,600
70	64.2	132.8	33,100
75	61.9	130.1	25,000
80	59.5	127.2	18,100
85	57.1	124.0	12,200

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	223,000
34	80.6	155.5	197,300
36	79.8	155.1	175,700
38	79.0	154.7	157,300
40	78.2	154.2	141,500
42	77.4	153.8	127,800
44	76.6	153.3	115,800
46	75.8	152.7	105,100
48	75.1	152.2	95,600
50	74.3	151.6	87,100
55	72.3	150.0	69,300
60	70.2	148.2	55,100
65	68.2	146.2	43,500
70	66.1	143.9	34,000
75	63.9	141.5	25,900
80	61.8	138.8	19,000
85	59.6	135.9	13,000
160 Ft. BOOM			
29	83.0	166.4	238,100 *
30	82.6	166.3	236,200 *
32	81.9	166.0	224,200
34	81.1	165.7	198,300
36	80.4	165.3	176,700
38	79.7	164.9	158,300
40	79.0	164.5	142,500
42	78.2	164.0	128,700
44	77.5	163.6	116,600
46	76.8	163.1	106,000
48	76.0	162.6	96,400
50	75.3	162.0	87,900
55	73.4	160.5	70,000
60	71.5	158.8	55,800
65	69.6	157.0	44,200
70	67.7	154.9	34,600
75	65.7	152.6	26,500
80	63.7	150.2	19,600
85	61.7	147.5	13,600



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

190 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	227,800 *
32	82.4	176.1	219,400 *
34	81.7	175.8	199,200
36	81.0	175.5	177,600
38	80.3	175.1	159,200
40	79.6	174.7	143,300
42	78.9	174.3	129,600
44	78.2	173.8	117,500
46	77.5	173.4	106,800
48	76.9	172.9	97,300
50	76.2	172.4	88,700
55	74.4	171.0	70,800
60	72.6	169.4	56,600
65	70.9	167.6	45,000
70	69.1	165.7	35,400
75	67.2	163.6	27,300
80	65.4	161.3	20,400
85	63.5	158.8	14,400

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	200,100
36	81.5	185.6	178,400
38	80.9	185.3	159,900
40	80.2	184.9	144,000
42	79.6	184.5	130,200
44	78.9	184.1	118,100
46	78.3	183.6	107,400
48	77.6	183.2	97,900
50	76.9	182.7	89,300
55	75.3	181.4	71,300
60	73.6	179.9	57,100
65	72.0	178.3	45,400
70	70.3	176.5	35,800
75	68.6	174.5	27,700
80	66.8	172.3	20,800
85	65.1	170.0	14,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	178,400 *
36	81.9	195.7	173,100 *
38	81.3	195.4	160,400
40	80.7	195.1	144,500
42	80.1	194.7	130,700
44	79.5	194.3	118,600
46	78.9	193.9	107,800
48	78.3	193.4	98,300
50	77.6	193.0	89,700
55	76.1	191.7	71,700
60	74.5	190.3	57,400
65	72.9	188.8	45,800
70	71.4	187.1	36,100
75	69.7	185.3	28,000
80	68.1	183.2	21,000
85	66.5	181.1	15,000

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

200 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	427,600 *
21	81.7	86.7	422,100 *
22	80.9	86.5	416,700 *
23	80.2	86.3	411,400 *
24	79.5	86.1	379,200
25	78.7	85.9	345,200
26	78.0	85.6	315,800
27	77.3	85.4	290,200
28	76.5	85.1	267,700
29	75.8	84.8	247,700
30	75.0	84.5	229,900
32	73.5	83.9	199,400
34	72.0	83.2	174,300
36	70.5	82.4	153,300
38	68.9	81.6	135,400
40	67.3	80.7	120,000
42	65.8	79.8	106,700
44	64.2	78.7	95,000
46	62.5	77.6	84,600
48	60.9	76.5	75,400
50	59.2	75.2	67,100
55	54.8	71.7	49,700
60	50.2	67.6	36,000
65	45.1	62.7	24,800
70	39.6	56.8	15,500
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	384,400
25	80.0	96.1	350,300
26	79.3	95.9	320,900
27	78.7	95.7	295,200
28	78.0	95.4	272,600
29	77.4	95.2	252,500
30	76.7	94.9	234,600
32	75.4	94.4	204,100
34	74.1	93.7	178,900
36	72.7	93.1	157,800
38	71.4	92.4	139,900
40	70.0	91.6	124,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	111,000
44	67.2	89.9	99,300
46	65.8	88.9	88,900
48	64.4	87.9	79,600
50	63.0	86.8	71,300
55	59.3	83.9	53,900
60	55.4	80.4	40,000
65	51.3	76.5	28,800
70	47.0	71.8	19,500
75	42.3	66.5	11,700
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	354,500
26	80.4	106.1	325,000
27	79.8	105.9	299,200
28	79.3	105.7	276,500
29	78.7	105.5	256,400
30	78.1	105.2	238,400
32	76.9	104.7	207,700
34	75.7	104.2	182,400
36	74.5	103.6	161,300
38	73.3	103.0	143,300
40	72.1	102.3	127,800
42	70.9	101.5	114,300
44	69.7	100.8	102,500
46	68.4	99.9	92,100
48	67.2	99.0	82,800
50	65.9	98.1	74,400
55	62.7	95.5	56,900
60	59.3	92.5	43,000
65	55.9	89.2	31,700
70	52.3	85.3	22,400
75	48.5	80.9	14,500
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	279,600
29	79.7	115.7	259,500
30	79.2	115.5	241,500
32	78.1	115.0	210,700
34	77.0	114.6	185,300
36	76.0	114.0	164,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
38	74.9	113.4	146,100
40	73.8	112.8	130,600
42	72.7	112.2	117,100
44	71.6	111.5	105,200
46	70.5	110.7	94,700
48	69.4	109.9	85,400
50	68.2	109.1	77,100
55	65.4	106.8	59,500
60	62.4	104.2	45,600
65	59.4	101.2	34,200
70	56.3	97.9	24,800
75	53.0	94.1	16,900
80	49.6	89.9	10,100
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	282,200
29	80.6	125.9	262,000
30	80.1	125.7	243,900
32	79.1	125.3	213,100
34	78.1	124.8	187,600
36	77.2	124.4	166,400
38	76.2	123.8	148,300
40	75.2	123.3	132,700
42	74.2	122.7	119,100
44	73.2	122.0	107,300
46	72.2	121.4	96,800
48	71.2	120.6	87,400
50	70.1	119.9	79,000
55	67.6	117.8	61,400
60	64.9	115.5	47,400
65	62.2	112.8	36,000
70	59.5	109.9	26,600
75	56.6	106.6	18,600
80	53.6	102.9	11,800



M-250

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

200 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	264,200
30	80.9	135.9	246,100
32	80.0	135.5	215,200
34	79.1	135.1	189,800
36	78.2	134.6	168,500
38	77.3	134.2	150,400
40	76.4	133.6	134,800
42	75.4	133.1	121,200
44	74.5	132.5	109,300
46	73.6	131.9	98,800
48	72.7	131.2	89,500
50	71.7	130.5	81,100
55	69.4	128.7	63,400
60	67.0	126.5	49,400
65	64.5	124.1	38,000
70	62.1	121.5	28,600
75	59.5	118.5	20,600
80	56.9	115.3	13,800
140 Ft. BOOM			
27	82.8	146.5	280,900 *
28	82.4	146.4	278,600 *
29	81.9	146.2	266,100
30	81.5	146.0	248,000
32	80.7	145.7	217,000
34	79.9	145.3	191,500
36	79.0	144.9	170,100
38	78.2	144.4	151,900
40	77.4	144.0	136,300
42	76.5	143.5	122,700
44	75.7	142.9	110,800
46	74.8	142.3	100,200
48	74.0	141.7	90,800
50	73.1	141.1	82,400
55	70.9	139.4	64,700
60	68.7	137.4	50,600
65	66.5	135.2	39,200
70	64.2	132.8	29,700
75	61.9	130.1	21,700
80	59.5	127.2	14,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	218,400
34	80.6	155.5	192,800
36	79.8	155.1	171,400
38	79.0	154.7	153,200
40	78.2	154.2	137,500
42	77.4	153.8	123,900
44	76.6	153.3	111,900
46	75.8	152.7	101,400
48	75.1	152.2	91,900
50	74.3	151.6	83,500
55	72.3	150.0	65,800
60	70.2	148.2	51,700
65	68.2	146.2	40,200
70	66.1	143.9	30,700
75	63.9	141.5	22,700
80	61.8	138.8	15,900
85	59.6	135.9	10,000
160 Ft. BOOM			
29	83.0	166.4	234,400 *
30	82.6	166.3	232,500 *
32	81.9	166.0	219,600
34	81.1	165.7	194,000
36	80.4	165.3	172,500
38	79.7	164.9	154,200
40	79.0	164.5	138,500
42	78.2	164.0	124,900
44	77.5	163.6	112,900
46	76.8	163.1	102,300
48	76.0	162.6	92,800
50	75.3	162.0	84,400
55	73.4	160.5	66,600
60	71.5	158.8	52,500
65	69.6	157.0	41,000
70	67.7	154.9	31,500
75	65.7	152.6	23,400
80	63.7	150.2	16,600
85	61.7	147.5	10,600

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	194,900
36	81.0	175.5	173,400
38	80.3	175.1	155,200
40	79.6	174.7	139,500
42	78.9	174.3	125,800
44	78.2	173.8	113,800
46	77.5	173.4	103,200
48	76.9	172.9	93,800
50	76.2	172.4	85,300
55	74.4	171.0	67,500
60	72.6	169.4	53,400
65	70.9	167.6	41,900
70	69.1	165.7	32,400
75	67.2	163.6	24,300
80	65.4	161.3	17,500
85	63.5	158.8	11,500

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
167,000 Lb. Counterweight
360 Degree Rating

200 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	204,200 *
34	82.1	185.9	195,900
36	81.5	185.6	174,300
38	80.9	185.3	156,000
40	80.2	184.9	140,300
42	79.6	184.5	126,500
44	78.9	184.1	114,500
46	78.3	183.6	103,900
48	77.6	183.2	94,400
50	76.9	182.7	85,900
55	75.3	181.4	68,100
60	73.6	179.9	53,900
65	72.0	178.3	42,400
70	70.3	176.5	32,800
75	68.6	174.5	24,800
80	66.8	172.3	17,900
85	65.1	170.0	11,900

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	156,600
40	80.7	195.1	140,800
42	80.1	194.7	127,100
44	79.5	194.3	115,000
46	78.9	193.9	104,400
48	78.3	193.4	94,900
50	77.6	193.0	86,400
55	76.1	191.7	68,500
60	74.5	190.3	54,300
65	72.9	188.8	42,800
70	71.4	187.1	33,200
75	69.7	185.3	25,100
80	68.1	183.2	18,200
85	66.5	181.1	12,300