



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## 888 RINGER

**Boom No. 67B - 120 Ft. Mast No. 49A**  
**Luffing Jib No. 49A-44**  
**45 Ft. RINGER Attachment on Screw Jack Pedestals**  
**867,100 Lb. Auxiliary 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 (\*).

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 14,000 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 roller path level within a tolerance of 15/16 in. in 45 Ft. and properly supported. During operation, luffing jib must be maintained at proper boom to luffing jib angle shown in table. Refer to luffing jib assembly **No. 178033**, Wire Rope Specification chart **No. 7930-A** and Luffing Jib Raising Procedure chart **No. 7929-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

**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 45 Ft. RINGER attachment, 28 Ft. 2 in. crawlers, 48 in. treads, 10 Ft. 3 in. retractable gantry, 30 Ft. live mast, 120 Ft. No. 49A mast, 16 part boom hoist reeving, boom support straps, 14 part luffing jib hoist reeving, strap luffing jib supports and backstays, and 867,100 Lb. auxiliary counterweight.

Upper boom point must be removed from main boom for use of this chart.

**WARNING:** Check amount of auxiliary counterweight on machine before use of this chart.

Consult chart **No. 7926-B** for luffing jib capacities.

Luffing Jib Position During Operation	
Luffing Jib Length - Feet	Boom To Luffing Jib Angle
100	125 Degrees
120	135 Degrees
140 - 160	150 Degrees
180 - 200	160 Degrees
220 - 320	168 Degrees



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**360 Degree Rating**

### 100 Ft. Luffing Jib, Attached At 125 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>125 Ft. BOOM</b>			
40	82.6	132.0	1,177,300 *
45	80.2	131.2	1,075,100 *
50	77.9	130.1	987,300 *
55	75.5	128.8	861,700
60	73.1	127.3	736,500
65	70.7	125.5	639,400
70	68.2	123.5	561,800
75	65.7	121.3	498,400
80	63.2	118.8	445,600
85	60.5	115.9	401,100
90	57.8	112.8	362,900
95	55.0	109.3	329,900
<b>150 Ft. BOOM</b>			
45	81.9	156.5	1,066,400 *
50	79.9	155.6	979,200 *
55	78.0	154.6	861,800
60	76.0	153.3	736,500
65	74.0	151.9	639,300
70	72.0	150.3	561,600
75	70.0	148.5	498,100
80	67.9	146.4	445,300
85	65.9	144.2	400,600
90	63.7	141.7	362,400
95	61.6	139.0	329,300
100	59.3	136.1	300,300
105	57.1	132.9	274,800
<b>175 Ft. BOOM</b>			
50	81.4	181.1	950,900 *
55	79.7	180.1	862,600
60	78.1	179.1	737,000
65	76.4	177.9	639,400
70	74.7	176.5	561,500
75	73.0	175.0	497,800
80	71.2	173.3	444,800
85	69.5	171.4	400,000
90	67.7	169.3	361,600
95	65.9	167.1	328,300
100	64.1	164.7	299,200
105	62.3	162.1	273,600
110	60.4	159.2	250,800
115	58.5	156.2	230,500
120	56.5	152.9	212,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>200 Ft. BOOM</b>			
50	82.5	206.3	827,400 *
55	81.0	205.6	827,200 *
60	79.6	204.6	735,300
65	78.1	203.6	637,800
70	76.6	202.4	559,800
75	75.2	201.1	496,100
80	73.7	199.6	443,000
85	72.2	198.0	398,200
90	70.6	196.2	359,700
95	69.1	194.3	326,500
100	67.6	192.3	297,300
105	66.0	190.0	271,700
110	64.4	187.6	248,900
115	62.8	185.1	228,500
120	61.2	182.3	210,100
125	59.5	179.4	193,600
130	57.8	176.3	178,500
135	56.1	172.9	164,700
<b>225 Ft. BOOM</b>			
55	82.0	230.9	703,900 *
60	80.7	230.1	696,500 *
65	79.5	229.1	636,700
70	78.2	228.1	558,600
75	76.8	226.9	494,800
80	75.5	225.6	441,600
85	74.2	224.2	396,600
90	72.9	222.7	358,100
95	71.5	221.0	324,800
100	70.2	219.2	295,600
105	68.8	217.2	269,900
110	67.4	215.2	247,000
115	66.0	212.9	226,600
120	64.6	210.6	208,200
125	63.2	208.1	191,500
130	61.8	205.4	176,400
135	60.3	202.5	162,600
140	58.8	199.5	149,900
145	57.3	196.3	138,300
150	55.8	192.9	125,900 *
<b>250 Ft. BOOM</b>			
55	82.8	256.1	598,600 *
60	81.7	255.4	594,200 *
65	80.5	254.6	589,300 *
70	79.4	253.6	556,900
75	78.2	252.6	492,900
80	77.0	251.4	439,700
85	75.8	250.2	394,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>250 Ft. BOOM</b>			
90	74.6	248.8	356,000
95	73.4	247.3	322,600
100	72.2	245.7	293,400
105	71.0	244.0	267,600
110	69.8	242.1	244,700
115	68.6	240.2	224,200
120	67.3	238.1	205,800
125	66.1	235.9	189,100
130	64.8	233.5	174,000
135	63.5	231.0	160,100
140	62.2	228.4	147,500
145	60.9	225.6	135,800
150	59.6	222.7	123,100 *
155	58.3	219.6	111,300 *
160	56.9	216.4	100,200 *
165	55.5	212.9	90,000 *
<b>275 Ft. BOOM</b>			
60	82.4	280.7	498,400 *
65	81.4	279.9	496,000 *
70	80.3	279.1	493,000 *
75	79.3	278.1	489,200 *
80	78.2	277.1	437,900
85	77.1	275.9	392,800
90	76.1	274.7	354,200
95	75.0	273.3	320,700
100	73.9	271.9	291,400
105	72.8	270.4	265,600
110	71.7	268.7	242,700
115	70.6	266.9	222,200
120	69.5	265.1	203,700
125	68.4	263.1	187,000
130	67.3	261.0	171,800
135	66.1	258.8	157,900
140	65.0	256.4	145,200
145	63.8	254.0	133,500
150	62.6	251.4	120,800 *
155	61.4	248.7	108,800 *
160	60.2	245.8	97,800 *
165	59.0	242.8	87,400 *
170	57.8	239.7	77,800 *
175	56.6	236.4	68,800 *
180	55.3	232.9	60,400 *



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Luffing Jib No. 49A-44  
45 Ft. RINGER Attachment on Screw Jack Pedestals  
867,100 Lb. Auxiliary Counterweight  
360 Degree Rating

### 120 Ft. Luffing Jib, Attached At 135 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>125 Ft. BOOM</b>			
40	82.6	132.0	1,162,700 *
45	80.2	131.2	1,060,200 *
50	77.9	130.1	972,200 *
55	75.5	128.8	843,300
60	73.1	127.3	718,800
65	70.7	125.5	622,100
70	68.2	123.5	544,900
75	65.7	121.3	481,800
80	63.2	118.8	429,400
85	60.5	115.9	385,100
90	57.8	112.8	347,100
95	55.0	109.3	314,300
100	52.2	105.5	285,600
105	49.1	101.2	260,400
110	46.0	96.4	238,000
<b>150 Ft. BOOM</b>			
45	81.9	156.5	1,052,000 *
50	79.9	155.6	964,600 *
55	78.0	154.6	844,600
60	76.0	153.3	720,000
65	74.0	151.9	623,200
70	72.0	150.3	545,900
75	70.0	148.5	482,800
80	67.9	146.4	430,200
85	65.9	144.2	385,800
90	63.7	141.7	347,800
95	61.6	139.0	314,800
100	59.3	136.1	286,100
105	57.1	132.9	260,700
110	54.7	129.3	238,200
115	52.3	125.5	218,100
120	49.8	121.3	200,000
125	47.2	116.7	183,700
<b>175 Ft. BOOM</b>			
50	81.4	181.1	936,700 *
55	79.7	180.1	846,200
60	78.1	179.1	721,300
65	76.4	177.9	624,200
70	74.7	176.5	546,700
75	73.0	175.0	483,300
80	71.2	173.3	430,600
85	69.5	171.4	386,000
90	67.7	169.3	347,800
95	65.9	167.1	314,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>175 Ft. BOOM</b>			
100	64.1	164.7	285,800
105	62.3	162.1	260,300
110	60.4	159.2	237,700
115	58.5	156.2	217,400
120	56.5	152.9	199,200
125	54.5	149.3	182,800
130	52.4	145.5	167,800
135	50.3	141.4	154,200
140	48.1	136.9	140,200 *
145	45.9	132.1	126,700 *
<b>200 Ft. BOOM</b>			
50	82.5	206.3	814,700 *
55	81.0	205.6	814,000 *
60	79.6	204.6	720,300
65	78.1	203.6	623,200
70	76.6	202.4	545,600
75	75.2	201.1	482,200
80	73.7	199.6	429,400
85	72.2	198.0	384,800
90	70.6	196.2	346,600
95	69.1	194.3	313,500
100	67.6	192.3	284,500
105	66.0	190.0	259,000
110	64.4	187.6	236,300
115	62.8	185.1	216,100
120	61.2	182.3	197,800
125	59.5	179.4	181,300
130	57.8	176.3	166,300
135	56.1	172.9	152,700
140	54.3	169.3	138,700 *
145	52.5	165.5	125,100 *
150	50.7	161.4	112,500 *
155	48.8	157.1	100,900 *
160	46.8	152.4	90,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>225 Ft. BOOM</b>			
55	82.0	230.9	691,200 *
60	80.7	230.1	683,700 *
65	79.5	229.1	622,700
70	78.2	228.1	544,900
75	76.8	226.9	481,400
80	75.5	225.6	428,500
85	74.2	224.2	383,800
90	72.9	222.7	345,500
95	71.5	221.0	312,300
100	70.2	219.2	283,300
105	68.8	217.2	257,700
110	67.4	215.2	235,000
115	66.0	212.9	214,600
120	64.6	210.6	196,300
125	63.2	208.1	179,800
130	61.8	205.4	164,700
135	60.3	202.5	151,000
140	58.8	199.5	137,100 *
145	57.3	196.3	123,400 *
150	55.8	192.9	110,700 *
155	54.2	189.3	99,000 *
160	52.6	185.5	88,100 *
165	51.0	181.5	78,100 *
170	49.3	177.2	68,700 *
175	47.6	172.7	59,900 *
180	45.8	167.8	51,700 *



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**Boom No. 67B - 120 Ft. Mast No. 49A**  
**Luffing Jib No. 49A-44**  
**45 Ft. RINGER Attachment on Screw Jack Pedestals**  
**867,100 Lb. Auxiliary Counterweight**  
**360 Degree Rating**

### 120 Ft. Luffing Jib, Attached At 135 Degree Boom To Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>250 Ft. BOOM</b>			
55	82.8	256.1	586,200 *
60	81.7	255.4	581,600 *
65	80.5	254.6	576,500 *
70	79.4	253.6	543,600
75	78.2	252.6	480,000
80	77.0	251.4	427,000
85	75.8	250.2	382,200
90	74.6	248.8	343,800
95	73.4	247.3	310,600
100	72.2	245.7	281,500
105	71.0	244.0	255,900
110	69.8	242.1	233,100
115	68.6	240.2	212,700
120	67.3	238.1	194,400
125	66.1	235.9	177,800
130	64.8	233.5	162,700
135	63.5	231.0	149,000
140	62.2	228.4	135,100 *
145	60.9	225.6	121,300 *
150	59.6	222.7	108,500 *
155	58.3	219.6	96,700 *
160	56.9	216.4	85,800 *
165	55.5	212.9	75,600 *
170	54.1	209.3	66,100 *
175	52.6	205.5	57,200 *
180	51.2	201.5	48,900 *
185	49.7	197.3	41,200 *
190	48.1	192.8	33,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>275 Ft. BOOM</b>			
60	82.4	280.7	486,300 *
65	81.4	279.9	483,700 *
70	80.3	279.1	480,500 *
75	79.3	278.1	476,600 *
80	78.2	277.1	425,600
85	77.1	275.9	380,700
90	76.1	274.7	342,300
95	75.0	273.3	309,000
100	73.9	271.9	279,900
105	72.8	270.4	254,200
110	71.7	268.7	231,400
115	70.6	266.9	211,000
120	69.5	265.1	192,600
125	68.4	263.1	176,000
130	67.3	261.0	160,900
135	66.1	258.8	147,100
140	65.0	256.4	133,400 *
145	63.8	254.0	119,400 *
150	62.6	251.4	106,600 *
155	61.4	248.7	94,700 *
160	60.2	245.8	83,700 *
165	59.0	242.8	73,500 *
170	57.8	239.7	63,900 *
175	56.6	236.4	55,000 *
180	55.3	232.9	46,600 *
185	54.0	229.3	38,800 *
190	52.7	225.5	31,400 *



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867,100 Lb. Auxiliary Counterweight  
360 Degree Rating

### 140 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
<b>125 Ft. BOOM</b>			
40	82.6	132.0	1,160,600 *
45	80.2	131.2	1,056,500 *
50	77.9	130.1	967,100 *
55	75.5	128.8	839,500
60	73.1	127.3	713,200
65	70.7	125.5	615,100
70	68.2	123.5	536,800
75	65.7	121.3	472,800
80	63.2	118.8	419,500
85	60.5	115.9	374,500
90	57.8	112.8	335,900
95	55.0	109.3	302,600
100	52.2	105.5	273,400
105	49.1	101.2	247,700
110	46.0	96.4	224,900
115	42.6	91.1	204,500
120	39.0	85.0	186,300
125	35.1	78.1	169,800
130	30.7	70.0	153,000 *
<b>150 Ft. BOOM</b>			
45	81.9	156.5	1,049,200 *
50	79.9	155.6	960,500 *
55	78.0	154.6	842,600
60	76.0	153.3	716,300
65	74.0	151.9	618,200
70	72.0	150.3	539,800
75	70.0	148.5	475,700
80	67.9	146.4	422,400
85	65.9	144.2	377,300
90	63.7	141.7	338,700
95	61.6	139.0	305,300
100	59.3	136.1	276,000
105	57.1	132.9	250,300
110	54.7	129.3	227,400
115	52.3	125.5	206,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>150 Ft. BOOM</b>			
120	49.8	121.3	188,500
125	47.2	116.7	171,900
130	44.5	111.7	155,800 *
135	41.7	106.2	139,600 *
140	38.7	100.0	124,800 *
145	35.4	93.2	111,200 *
150	31.9	85.3	98,700 *
<b>175 Ft. BOOM</b>			
50	81.4	181.1	941,800 *
55	79.7	180.1	845,600
60	78.1	179.1	718,900
65	76.4	177.9	620,500
70	74.7	176.5	541,900
75	73.0	175.0	477,700
80	71.2	173.3	424,200
85	69.5	171.4	378,900
90	67.7	169.3	340,200
95	65.9	167.1	306,600
100	64.1	164.7	277,300
105	62.3	162.1	251,400
110	60.4	159.2	228,400
115	58.5	156.2	207,900
120	56.5	152.9	189,400
125	54.5	149.3	172,600
130	52.4	145.5	157,100 *
135	50.3	141.4	140,700 *
140	48.1	136.9	125,700 *
145	45.9	132.1	111,900 *
150	43.5	126.9	99,300 *
155	41.0	121.2	87,500 *
160	38.4	115.0	76,700 *
165	35.6	108.2	66,600 *
170	32.6	100.6	57,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>200 Ft. BOOM</b>			
50	82.5	206.3	821,500 *
55	81.0	205.6	819,600 *
60	79.6	204.6	718,900
65	78.1	203.6	620,500
70	76.6	202.4	541,800
75	75.2	201.1	477,600
80	73.7	199.6	424,100
85	72.2	198.0	378,800
90	70.6	196.2	340,100
95	69.1	194.3	306,500
100	67.6	192.3	277,100
105	66.0	190.0	251,200
110	64.4	187.6	228,200
115	62.8	185.1	207,700
120	61.2	182.3	189,100
125	59.5	179.4	172,400
130	57.8	176.3	157,200
135	56.1	172.9	141,000 *
140	54.3	169.3	125,900 *
145	52.5	165.5	112,000 *
150	50.7	161.4	99,200 *
155	48.8	157.1	87,400 *
160	46.8	152.4	76,400 *
165	44.8	147.4	66,200 *
170	42.7	142.1	56,800 *
175	40.5	136.3	47,900 *
180	38.2	130.0	39,600 *
185	35.8	123.2	31,800 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
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Requirements

## 888 RINGER

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**Luffing Jib No. 49A-44**  
**45 Ft. RINGER Attachment on Screw Jack Pedestals**  
**867,100 Lb. Auxiliary Counterweight**  
**360 Degree Rating**

### 140 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
<b>225 Ft. BOOM</b>			
55	82.0	230.9	695,100 *
60	80.7	230.1	686,400 *
65	79.5	229.1	620,700
70	78.2	228.1	541,900
75	76.8	226.9	477,600
80	75.5	225.6	424,000
85	74.2	224.2	378,600
90	72.9	222.7	339,800
95	71.5	221.0	306,200
100	70.2	219.2	276,700
105	68.8	217.2	250,800
110	67.4	215.2	227,700
115	66.0	212.9	207,100
120	64.6	210.6	188,500
125	63.2	208.1	171,700
130	61.8	205.4	156,500
135	60.3	202.5	140,800 *
140	58.8	199.5	125,500 *
145	57.3	196.3	111,600 *
150	55.8	192.9	98,700 *
155	54.2	189.3	86,700 *
160	52.6	185.5	75,700 *
165	51.0	181.5	65,400 *
170	49.3	177.2	55,800 *
175	47.6	172.7	46,900 *
180	45.8	167.8	38,500 *
185	44.0	162.7	30,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>250 Ft. BOOM</b>			
55	82.8	256.1	592,200 *
60	81.7	255.4	586,300 *
65	80.5	254.6	580,000 *
70	79.4	253.6	541,200
75	78.2	252.6	476,700
80	77.0	251.4	423,100
85	75.8	250.2	377,700
90	74.6	248.8	338,800
95	73.4	247.3	305,100
100	72.2	245.7	275,600
105	71.0	244.0	249,600
110	69.8	242.1	226,500
115	68.6	240.2	205,900
120	67.3	238.1	187,300
125	66.1	235.9	170,400
130	64.8	233.5	155,200
135	63.5	231.0	139,800 *
140	62.2	228.4	124,500 *
145	60.9	225.6	110,400 *
150	59.6	222.7	97,400 *
155	58.3	219.6	85,400 *
160	56.9	216.4	74,300 *
165	55.5	212.9	63,900 *
170	54.1	209.3	54,300 *
175	52.6	205.5	45,300 *
180	51.2	201.5	36,800 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## 888 RINGER

**Boom No. 67B - 120 Ft. Mast No. 49A**  
**Luffing Jib No. 49A-44**  
**45 Ft. RINGER Attachment on Screw Jack Pedestals**  
**867,100 Lb. Auxiliary Counterweight**  
**360 Degree Rating**

### 160 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
<b>125 Ft. BOOM</b>			
40	82.6	132.0	1,141,000 *
45	80.2	131.2	1,037,300 *
50	77.9	130.1	948,200 *
55	75.5	128.8	813,900
60	73.1	127.3	689,500
65	70.7	125.5	593,000
70	68.2	123.5	515,800
75	65.7	121.3	452,800
80	63.2	118.8	400,400
85	60.5	115.9	356,200
90	57.8	112.8	318,300
95	55.0	109.3	285,500
100	52.2	105.5	256,900
105	49.1	101.2	231,700
110	46.0	96.4	209,400
115	42.6	91.1	189,400
120	39.0	85.0	170,300 *
125	35.1	78.1	151,500 *
130	30.7	70.0	134,600 *
<b>150 Ft. BOOM</b>			
45	81.9	156.5	1,030,400 *
50	79.9	155.6	942,100 *
55	78.0	154.6	818,000
60	76.0	153.3	693,600
65	74.0	151.9	596,900
70	72.0	150.3	519,700
75	70.0	148.5	456,700
80	67.9	146.4	404,200
85	65.9	144.2	359,800
90	63.7	141.7	321,900
95	61.6	139.0	289,000
100	59.3	136.1	260,300
105	57.1	132.9	234,900
110	54.7	129.3	212,500
115	52.3	125.5	192,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>150 Ft. BOOM</b>			
120	49.8	121.3	174,300 *
125	47.2	116.7	155,100 *
130	44.5	111.7	137,700 *
135	41.7	106.2	121,900 *
140	38.7	100.0	107,500 *
145	35.4	93.2	94,400 *
150	31.9	85.3	82,300 *
<b>175 Ft. BOOM</b>			
50	81.4	181.1	921,100 *
55	79.7	180.1	821,700
60	78.1	179.1	696,900
65	76.4	177.9	600,000
70	74.7	176.5	522,600
75	73.0	175.0	459,300
80	71.2	173.3	406,700
85	69.5	171.4	362,100
90	67.7	169.3	324,000
95	65.9	167.1	291,000
100	64.1	164.7	262,100
105	62.3	162.1	236,700
110	60.4	159.2	214,100
115	58.5	156.2	193,900
120	56.5	152.9	175,700
125	54.5	149.3	157,300 *
130	52.4	145.5	139,700 *
135	50.3	141.4	123,600 *
140	48.1	136.9	109,000 *
145	45.9	132.1	95,500 *
150	43.5	126.9	83,100 *
155	41.0	121.2	71,700 *
160	38.4	115.0	61,100 *
165	35.6	108.2	51,400 *
170	32.6	100.6	42,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>200 Ft. BOOM</b>			
50	82.5	206.3	801,800 *
55	81.0	205.6	799,800 *
60	79.6	204.6	697,400
65	78.1	203.6	600,500
70	76.6	202.4	523,100
75	75.2	201.1	459,800
80	73.7	199.6	407,100
85	72.2	198.0	362,500
90	70.6	196.2	324,400
95	69.1	194.3	291,400
100	67.6	192.3	262,500
105	66.0	190.0	237,000
110	64.4	187.6	214,400
115	62.8	185.1	194,100
120	61.2	182.3	175,900
125	59.5	179.4	158,300 *
130	57.8	176.3	140,600 *
135	56.1	172.9	124,400 *
140	54.3	169.3	109,600 *
145	52.5	165.5	96,000 *
150	50.7	161.4	83,500 *
155	48.8	157.1	72,000 *
160	46.8	152.4	61,300 *
165	44.8	147.4	51,300 *
170	42.7	142.1	42,100 *
175	40.5	136.3	33,400 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
 ANSI B30.5  
 Requirements

## 888 RINGER

**Boom No. 67B - 120 Ft. Mast No. 49A**  
**Luffing Jib No. 49A-44**  
**45 Ft. RINGER Attachment on Screw Jack Pedestals**  
**867,100 Lb. Auxiliary Counterweight**  
**360 Degree Rating**

### 160 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
<b>225 Ft. BOOM</b>			
55	82.0	230.9	676,600 *
60	80.7	230.1	668,100 *
65	79.5	229.1	601,200
70	78.2	228.1	523,600
75	76.8	226.9	460,200
80	75.5	225.6	407,400
85	74.2	224.2	362,800
90	72.9	222.7	324,500
95	71.5	221.0	291,400
100	70.2	219.2	262,400
105	68.8	217.2	236,900
110	67.4	215.2	214,200
115	66.0	212.9	193,900
120	64.6	210.6	175,700
125	63.2	208.1	158,900 *
130	61.8	205.4	141,000 *
135	60.3	202.5	124,700 *
140	58.8	199.5	109,700 *
145	57.3	196.3	96,000 *
150	55.8	192.9	83,400 *
155	54.2	189.3	71,700 *
160	52.6	185.5	60,900 *
165	51.0	181.5	50,800 *
170	49.3	177.2	41,400 *
175	47.6	172.7	32,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>250 Ft. BOOM</b>			
55	82.8	256.1	573,100 *
60	81.7	255.4	567,600 *
65	80.5	254.6	561,600 *
70	79.4	253.6	523,200
75	78.2	252.6	459,700
80	77.0	251.4	406,800
85	75.8	250.2	362,100
90	74.6	248.8	323,800
95	73.4	247.3	290,700
100	72.2	245.7	261,700
105	71.0	244.0	236,100
110	69.8	242.1	213,300
115	68.6	240.2	193,000
120	67.3	238.1	174,700
125	66.1	235.9	158,200
130	64.8	233.5	140,500 *
135	63.5	231.0	124,100 *
140	62.2	228.4	109,000 *
145	60.9	225.6	95,200 *
150	59.6	222.7	82,500 *
155	58.3	219.6	70,700 *
160	56.9	216.4	59,800 *
165	55.5	212.9	49,700 *
170	54.1	209.3	40,200 *
175	52.6	205.5	31,400 *





# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## 888 RINGER

Boom No. 67B - 120 Ft. Mast No. 49A  
Luffing Jib No. 49A-44  
45 Ft. RINGER Attachment on Screw Jack Pedestals  
867,100 Lb. Auxiliary Counterweight  
360 Degree Rating

### 180 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
<b>125 Ft. BOOM</b>			
40	82.6	132.0	1,142,200 *
45	80.2	131.2	1,036,500 *
50	77.9	130.1	945,600 *
55	75.5	128.8	813,900
60	73.1	127.3	687,000
65	70.7	125.5	588,500
70	68.2	123.5	509,900
75	65.7	121.3	445,600
80	63.2	118.8	392,000
85	60.5	115.9	346,800
90	57.8	112.8	308,100
95	55.0	109.3	274,500
100	52.2	105.5	245,200
105	49.1	101.2	219,400
110	46.0	96.4	196,500
115	42.6	91.1	173,200 *
120	39.0	85.0	151,600 *
125	35.1	78.1	132,100 *
130	30.7	70.0	114,400 *
135	25.7	60.2	98,500 *
<b>150 Ft. BOOM</b>			
45	81.9	156.5	1,030,600 *
50	79.9	155.6	940,700 *
55	78.0	154.6	820,000
60	76.0	153.3	693,200
65	74.0	151.9	594,700
70	72.0	150.3	516,000
75	70.0	148.5	451,700
80	67.9	146.4	398,100
85	65.9	144.2	352,800
90	63.7	141.7	314,100
95	61.6	139.0	280,500
100	59.3	136.1	251,100
105	57.1	132.9	225,300
110	54.7	129.3	202,300
115	52.3	125.5	181,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>150 Ft. BOOM</b>			
120	49.8	121.3	159,400 *
125	47.2	116.7	139,700 *
130	44.5	111.7	121,800 *
135	41.7	106.2	105,500 *
140	38.7	100.0	90,600 *
145	35.4	93.2	76,900 *
150	31.9	85.3	64,400 *
155	27.9	76.3	52,800 *
160	23.3	65.3	42,200 *
<b>175 Ft. BOOM</b>			
50	81.4	181.1	929,500 *
55	79.7	180.1	825,100
60	78.1	179.1	698,000
65	76.4	177.9	599,200
70	74.7	176.5	520,300
75	73.0	175.0	455,800
80	71.2	173.3	402,200
85	69.5	171.4	356,800
90	67.7	169.3	317,900
95	65.9	167.1	284,200
100	64.1	164.7	254,700
105	62.3	162.1	228,800
110	60.4	159.2	205,700
115	58.5	156.2	185,000
120	56.5	152.9	164,400 *
125	54.5	149.3	144,500 *
130	52.4	145.5	126,400 *
135	50.3	141.4	109,900 *
140	48.1	136.9	94,800 *
145	45.9	132.1	81,000 *
150	43.5	126.9	68,200 *
155	41.0	121.2	56,400 *
160	38.4	115.0	45,500 *
165	35.6	108.2	35,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>200 Ft. BOOM</b>			
50	82.5	206.3	811,600 *
55	81.0	205.6	808,400 *
60	79.6	204.6	699,600
65	78.1	203.6	600,800
70	76.6	202.4	521,900
75	75.2	201.1	457,500
80	73.7	199.6	403,800
85	72.2	198.0	358,400
90	70.6	196.2	319,500
95	69.1	194.3	285,800
100	67.6	192.3	256,300
105	66.0	190.0	230,300
110	64.4	187.6	207,200
115	62.8	185.1	186,600
120	61.2	182.3	167,300 *
125	59.5	179.4	147,300 *
130	57.8	176.3	129,100 *
135	56.1	172.9	112,500 *
140	54.3	169.3	97,400 *
145	52.5	165.5	83,400 *
150	50.7	161.4	70,600 *
155	48.8	157.1	58,700 *
160	46.8	152.4	47,700 *
165	44.8	147.4	37,500 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
 ANSI B30.5  
 Requirements

## 888 RINGER

**Boom No. 67B - 120 Ft. Mast No. 49A**  
**Luffing Jib No. 49A-44**  
**45 Ft. RINGER Attachment on Screw Jack Pedestals**  
**867,100 Lb. Auxiliary Counterweight**  
**360 Degree Rating**

### 180 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
<b>225 Ft. BOOM</b>			
55	82.0	230.9	684,700 *
60	80.7	230.1	675,100 *
65	79.5	229.1	602,400
70	78.2	228.1	523,300
75	76.8	226.9	458,800
80	75.5	225.6	405,000
85	74.2	224.2	359,500
90	72.9	222.7	320,500
95	71.5	221.0	286,800
100	70.2	219.2	257,300
105	68.8	217.2	231,200
110	67.4	215.2	208,100
115	66.0	212.9	187,400
120	64.6	210.6	168,700
125	63.2	208.1	149,200 *
130	61.8	205.4	130,900 *
135	60.3	202.5	114,200 *
140	58.8	199.5	98,900 *
145	57.3	196.3	84,800 *
150	55.8	192.9	71,900 *
155	54.2	189.3	59,900 *
160	52.6	185.5	48,800 *
165	51.0	181.5	38,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>250 Ft. BOOM</b>			
55	82.8	256.1	583,300 *
60	81.7	255.4	576,400 *
65	80.5	254.6	569,200 *
70	79.4	253.6	523,600
75	78.2	252.6	459,000
80	77.0	251.4	405,100
85	75.8	250.2	359,600
90	74.6	248.8	320,600
95	73.4	247.3	286,800
100	72.2	245.7	257,200
105	71.0	244.0	231,100
110	69.8	242.1	208,000
115	68.6	240.2	187,200
120	67.3	238.1	168,600
125	66.1	235.9	149,900 *
130	64.8	233.5	131,400 *
135	63.5	231.0	114,700 *
140	62.2	228.4	99,300 *
145	60.9	225.6	85,100 *
150	59.6	222.7	72,100 *
155	58.3	219.6	60,100 *
160	56.9	216.4	48,900 *
165	55.5	212.9	38,500 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## 888 RINGER

Boom No. 67B - 120 Ft. Mast No. 49A  
Luffing Jib No. 49A-44  
45 Ft. RINGER Attachment on Screw Jack Pedestals  
867,100 Lb. Auxiliary Counterweight  
360 Degree Rating

### 200 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
<b>125 Ft. BOOM</b>			
40	82.6	132.0	1,124,100 *
45	80.2	131.2	1,018,400 *
50	77.9	130.1	927,600 *
55	75.5	128.8	789,600
60	73.1	127.3	664,200
65	70.7	125.5	566,800
70	68.2	123.5	489,000
75	65.7	121.3	425,400
80	63.2	118.8	372,600
85	60.5	115.9	327,900
90	57.8	112.8	289,600
95	55.0	109.3	256,500
100	52.2	105.5	227,600
105	49.1	101.2	201,400 *
110	46.0	96.4	174,800 *
115	42.6	91.1	151,100 *
120	39.0	85.0	129,800 *
125	35.1	78.1	110,800 *
130	30.7	70.0	93,600 *
135	25.7	60.2	78,000 *
<b>150 Ft. BOOM</b>			
45	81.9	156.5	1,013,100 *
50	79.9	155.6	923,300 *
55	78.0	154.6	797,100
60	76.0	153.3	671,600
65	74.0	151.9	574,200
70	72.0	150.3	496,400
75	70.0	148.5	432,800
80	67.9	146.4	379,900
85	65.9	144.2	335,200
90	63.7	141.7	296,900
95	61.6	139.0	263,700
100	59.3	136.1	234,700
105	57.1	132.9	209,200
110	54.7	129.3	184,500 *
115	52.3	125.5	160,500 *
120	49.8	121.3	139,000 *
125	47.2	116.7	119,600 *
130	44.5	111.7	102,100 *
135	41.7	106.2	86,100 *
140	38.7	100.0	71,500 *
145	35.4	93.2	58,100 *
150	31.9	85.3	45,900 *
155	27.9	76.3	34,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>175 Ft. BOOM</b>			
50	81.4	181.1	909,800 *
55	79.7	180.1	803,100
60	78.1	179.1	677,400
65	76.4	177.9	579,700
70	74.7	176.5	501,700
75	73.0	175.0	438,000
80	71.2	173.3	384,900
85	69.5	171.4	340,000
90	67.7	169.3	301,600
95	65.9	167.1	268,300
100	64.1	164.7	239,200
105	62.3	162.1	213,600
110	60.4	159.2	190,800
115	58.5	156.2	166,900 *
120	56.5	152.9	145,100 *
125	54.5	149.3	125,500 *
130	52.4	145.5	107,700 *
135	50.3	141.4	91,500 *
140	48.1	136.9	76,700 *
145	45.9	132.1	63,100 *
150	43.5	126.9	50,600 *
155	41.0	121.2	39,000 *
<b>200 Ft. BOOM</b>			
50	82.5	206.3	793,300 *
55	81.0	205.6	789,700 *
60	79.6	204.6	679,700
65	78.1	203.6	582,100
70	76.6	202.4	504,100
75	75.2	201.1	440,300
80	73.7	199.6	387,200
85	72.2	198.0	342,400
90	70.6	196.2	303,900
95	69.1	194.3	270,600
100	67.6	192.3	241,500
105	66.0	190.0	215,800
110	64.4	187.6	193,000
115	62.8	185.1	170,800 *
120	61.2	182.3	149,000 *
125	59.5	179.4	129,200 *
130	57.8	176.3	111,300 *
135	56.1	172.9	95,000 *
140	54.3	169.3	80,100 *
145	52.5	165.5	66,300 *
150	50.7	161.4	53,700 *
155	48.8	157.1	42,000 *
160	46.8	152.4	31,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>225 Ft. BOOM</b>			
55	82.0	230.9	668,100 *
60	80.7	230.1	658,400 *
65	79.5	229.1	584,200
70	78.2	228.1	506,000
75	76.8	226.9	442,200
80	75.5	225.6	389,000
85	74.2	224.2	344,000
90	72.9	222.7	305,500
95	71.5	221.0	272,200
100	70.2	219.2	243,000
105	68.8	217.2	217,300
110	67.4	215.2	194,400
115	66.0	212.9	173,700 *
120	64.6	210.6	151,700 *
125	63.2	208.1	131,800 *
130	61.8	205.4	113,800 *
135	60.3	202.5	97,300 *
140	58.8	199.5	82,200 *
145	57.3	196.3	68,400 *
150	55.8	192.9	55,700 *
155	54.2	189.3	43,900 *
160	52.6	185.5	32,900 *
<b>250 Ft. BOOM</b>			
55	82.8	256.1	566,200 *
60	81.7	255.4	559,400 *
65	80.5	254.6	552,400 *
70	79.4	253.6	506,800
75	78.2	252.6	442,900
80	77.0	251.4	389,600
85	75.8	250.2	344,600
90	74.6	248.8	306,000
95	73.4	247.3	272,600
100	72.2	245.7	243,400
105	71.0	244.0	217,600
110	69.8	242.1	194,700
115	68.6	240.2	174,200
120	67.3	238.1	153,100 *
125	66.1	235.9	133,100 *
130	64.8	233.5	114,900 *
135	63.5	231.0	98,400 *
140	62.2	228.4	83,200 *
145	60.9	225.6	69,300 *
150	59.6	222.7	56,400 *
155	58.3	219.6	44,600 *
160	56.9	216.4	33,600 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## 888 RINGER

**Boom No. 67B - 120 Ft. Mast No. 49A**  
**Luffing Jib No. 49A-44**  
**45 Ft. RINGER Attachment on Screw Jack Pedestals**  
**867,100 Lb. Auxiliary Counterweight**  
**360 Degree Rating**

### 220 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
<b>125 Ft. BOOM</b>			
40	82.6	132.0	1,131,100 *
45	80.2	131.2	1,022,800 *
50	77.9	130.1	929,700 *
55	75.5	128.8	796,600
60	73.1	127.3	667,500
65	70.7	125.5	567,300
70	68.2	123.5	487,300
75	65.7	121.3	421,800
80	63.2	118.8	367,300
85	60.5	115.9	321,200
90	57.8	112.8	281,700
95	55.0	109.3	247,500
100	52.2	105.5	217,600
105	49.1	101.2	186,700 *
110	46.0	96.4	159,000 *
115	42.6	91.1	134,200 *
120	39.0	85.0	111,900 *
125	35.1	78.1	91,800 *
130	30.7	70.0	73,600 *
135	25.7	60.2	57,000 *
140	19.4	47.4	33,300 *
<b>150 Ft. BOOM</b>			
45	81.9	156.5	1,018,600 *
50	79.9	155.6	926,700 *
55	78.0	154.6	806,300
60	76.0	153.3	677,400
65	74.0	151.9	577,200
70	72.0	150.3	497,200
75	70.0	148.5	431,800
80	67.9	146.4	377,300
85	65.9	144.2	331,300
90	63.7	141.7	291,800
95	61.6	139.0	257,600
100	59.3	136.1	227,700
105	57.1	132.9	200,800 *
110	54.7	129.3	173,000 *
115	52.3	125.5	148,100 *
120	49.8	121.3	125,700 *
125	47.2	116.7	105,600 *
130	44.5	111.7	87,200 *
135	41.7	106.2	70,500 *
140	38.7	100.0	55,200 *
145	35.4	93.2	41,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>175 Ft. BOOM</b>			
50	81.4	181.1	921,300 *
55	79.7	180.1	814,000
60	78.1	179.1	684,800
65	76.4	177.9	584,500
70	74.7	176.5	504,300
75	73.0	175.0	438,700
80	71.2	173.3	384,200
85	69.5	171.4	338,000
90	67.7	169.3	298,500
95	65.9	167.1	264,200
100	64.1	164.7	234,200
105	62.3	162.1	207,800
110	60.4	159.2	182,400 *
115	58.5	156.2	157,400 *
120	56.5	152.9	134,800 *
125	54.5	149.3	114,500 *
130	52.4	145.5	96,000 *
135	50.3	141.4	79,200 *
140	48.1	136.9	63,700 *
145	45.9	132.1	49,500 *
150	43.5	126.9	36,500 *
<b>200 Ft. BOOM</b>			
50	82.5	206.3	808,000 *
55	81.0	205.6	803,000 *
60	79.6	204.6	688,400
65	78.1	203.6	588,100
70	76.6	202.4	507,900
75	75.2	201.1	442,400
80	73.7	199.6	387,800
85	72.2	198.0	341,700
90	70.6	196.2	302,200
95	69.1	194.3	267,900
100	67.6	192.3	238,000
105	66.0	190.0	211,500
110	64.4	187.6	188,000
115	62.8	185.1	163,400 *
120	61.2	182.3	140,700 *
125	59.5	179.4	120,300 *
130	57.8	176.3	101,800 *
135	56.1	172.9	84,900 *
140	54.3	169.3	69,400 *
145	52.5	165.5	55,100 *
150	50.7	161.4	42,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>225 Ft. BOOM</b>			
55	82.0	230.9	681,400 *
60	80.7	230.1	670,300 *
65	79.5	229.1	591,100
70	78.2	228.1	510,900
75	76.8	226.9	445,300
80	75.5	225.6	390,600
85	74.2	224.2	344,400
90	72.9	222.7	304,800
95	71.5	221.0	270,500
100	70.2	219.2	240,500
105	68.8	217.2	214,100
110	67.4	215.2	190,600
115	66.0	212.9	167,800 *
120	64.6	210.6	145,100 *
125	63.2	208.1	124,500 *
130	61.8	205.4	105,800 *
135	60.3	202.5	88,800 *
140	58.8	199.5	73,200 *
145	57.3	196.3	58,900 *
150	55.8	192.9	45,700 *
155	54.2	189.3	33,500 *
<b>250 Ft. BOOM</b>			
55	82.8	256.1	581,900 *
60	81.7	255.4	573,500 *
65	80.5	254.6	565,000 *
70	79.4	253.6	512,400
75	78.2	252.6	446,700
80	77.0	251.4	392,100
85	75.8	250.2	345,800
90	74.6	248.8	306,200
95	73.4	247.3	271,800
100	72.2	245.7	241,800
105	71.0	244.0	215,300
110	69.8	242.1	191,800
115	68.6	240.2	170,600 *
120	67.3	238.1	147,700 *
125	66.1	235.9	127,000 *
130	64.8	233.5	108,200 *
135	63.5	231.0	91,100 *
140	62.2	228.4	75,500 *
145	60.9	225.6	61,100 *
150	59.6	222.7	47,800 *
155	58.3	219.6	35,500 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## 888 RINGER

**Boom No. 67B - 120 Ft. Mast No. 49A**  
**Luffing Jib No. 49A-44**  
**45 Ft. RINGER Attachment on Screw Jack Pedestals**  
**867,100 Lb. Auxiliary Counterweight**  
**360 Degree Rating**

### 240 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
<b>125 Ft. BOOM</b>			
40	82.6	132.0	1,115,100 *
45	80.2	131.2	1,006,400 *
50	77.9	130.1	913,000 *
55	75.5	128.8	774,100
60	73.1	127.3	645,900
65	70.7	125.5	546,400
70	68.2	123.5	466,900
75	65.7	121.3	401,900
80	63.2	118.8	347,900
85	60.5	115.9	302,100
90	57.8	112.8	263,000
95	55.0	109.3	228,800 *
100	52.2	105.5	193,600 *
105	49.1	101.2	162,600 *
110	46.0	96.4	135,200 *
115	42.6	91.1	110,700 *
120	39.0	85.0	88,700 *
125	35.1	78.1	68,900 *
130	30.7	70.0	50,900 *
135	25.7	60.2	34,600 *
<b>150 Ft. BOOM</b>			
45	81.9	156.5	1,003,000 *
50	79.9	155.6	910,900 *
55	78.0	154.6	785,500
60	76.0	153.3	657,400
65	74.0	151.9	558,000
70	72.0	150.3	478,600
75	70.0	148.5	413,600
80	67.9	146.4	359,600
85	65.9	144.2	313,800
90	63.7	141.7	274,700
95	61.6	139.0	240,800
100	59.3	136.1	210,000 *
105	57.1	132.9	178,900 *
110	54.7	129.3	151,300 *
115	52.3	125.5	126,700 *
120	49.8	121.3	104,600 *
125	47.2	116.7	84,600 *
130	44.5	111.7	66,500 *
135	41.7	106.2	50,000 *
140	38.7	100.0	34,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>175 Ft. BOOM</b>			
50	81.4	181.1	906,100 *
55	79.7	180.1	794,300
60	78.1	179.1	666,000
65	76.4	177.9	566,400
70	74.7	176.5	486,800
75	73.0	175.0	421,800
80	71.2	173.3	367,600
85	69.5	171.4	321,800
90	67.7	169.3	282,500
95	65.9	167.1	248,500
100	64.1	164.7	218,800
105	62.3	162.1	190,100 *
110	60.4	159.2	162,300 *
115	58.5	156.2	137,500 *
120	56.5	152.9	115,200 *
125	54.5	149.3	95,000 *
130	52.4	145.5	76,800 *
135	50.3	141.4	60,100 *
140	48.1	136.9	44,800 *
145	45.9	132.1	30,800 *
<b>200 Ft. BOOM</b>			
50	82.5	206.3	792,400 *
55	81.0	205.6	786,900 *
60	79.6	204.6	670,500
65	78.1	203.6	570,900
70	76.6	202.4	491,400
75	75.2	201.1	426,300
80	73.7	199.6	372,200
85	72.2	198.0	326,400
90	70.6	196.2	287,200
95	69.1	194.3	253,200
100	67.6	192.3	223,400
105	66.0	190.0	197,200
110	64.4	187.6	169,600 *
115	62.8	185.1	144,700 *
120	61.2	182.3	122,300 *
125	59.5	179.4	102,100 *
130	57.8	176.3	83,700 *
135	56.1	172.9	66,900 *
140	54.3	169.3	51,600 *
145	52.5	165.5	37,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>225 Ft. BOOM</b>			
55	82.0	230.9	667,100 *
60	80.7	230.1	655,800 *
65	79.5	229.1	574,700
70	78.2	228.1	495,000
75	76.8	226.9	429,900
80	75.5	225.6	375,700
85	74.2	224.2	329,800
90	72.9	222.7	290,500
95	71.5	221.0	256,500
100	70.2	219.2	226,700
105	68.8	217.2	200,500
110	67.4	215.2	175,200 *
115	66.0	212.9	150,100 *
120	64.6	210.6	127,500 *
125	63.2	208.1	107,200 *
130	61.8	205.4	88,700 *
135	60.3	202.5	71,800 *
140	58.8	199.5	56,400 *
145	57.3	196.3	42,200 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## 888 RINGER

**Boom No. 67B - 120 Ft. Mast No. 49A**  
**Luffing Jib No. 49A-44**  
**45 Ft. RINGER Attachment on Screw Jack Pedestals**  
**867,100 Lb. Auxiliary Counterweight**  
**360 Degree Rating**

### 260 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
<b>125 Ft. BOOM</b>			
40	82.6	132.0	1,095,400 *
45	80.2	131.2	986,200 *
50	77.9	130.1	892,500 *
55	75.5	128.8	747,100
60	73.1	127.3	620,000
65	70.7	125.5	521,300
70	68.2	123.5	442,400
75	65.7	121.3	378,000
80	63.2	118.8	324,400
85	60.5	115.9	279,000
90	57.8	112.8	238,600 *
95	55.0	109.3	198,700 *
100	52.2	105.5	164,000 *
105	49.1	101.2	133,400 *
110	46.0	96.4	106,300 *
115	42.6	91.1	82,100 *
120	39.0	85.0	60,500 *
125	35.1	78.1	40,900 *
<b>150 Ft. BOOM</b>			
45	81.9	156.5	983,400 *
50	79.9	155.6	891,100 *
55	78.0	154.6	760,400
60	76.0	153.3	633,400
65	74.0	151.9	534,800
70	72.0	150.3	456,000
75	70.0	148.5	391,600
80	67.9	146.4	338,000
85	65.9	144.2	292,700
90	63.7	141.7	253,900
95	61.6	139.0	217,900 *
100	59.3	136.1	183,000 *
105	57.1	132.9	152,200 *
110	54.7	129.3	124,900 *
115	52.3	125.5	100,600 *
120	49.8	121.3	78,700 *
125	47.2	116.7	59,000 *
130	44.5	111.7	41,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>175 Ft. BOOM</b>			
50	81.4	181.1	887,400 *
55	79.7	180.1	770,600
60	78.1	179.1	643,400
65	76.4	177.9	544,600
70	74.7	176.5	465,700
75	73.0	175.0	401,200
80	71.2	173.3	347,500
85	69.5	171.4	302,100
90	67.7	169.3	263,200
95	65.9	167.1	229,500
100	64.1	164.7	196,300 *
105	62.3	162.1	165,300 *
110	60.4	159.2	137,800 *
115	58.5	156.2	113,200 *
120	56.5	152.9	91,200 *
125	54.5	149.3	71,200 *
130	52.4	145.5	53,200 *
135	50.3	141.4	36,700 *
<b>200 Ft. BOOM</b>			
50	82.5	206.3	776,300 *
55	81.0	205.6	770,200 *
60	79.6	204.6	649,000
65	78.1	203.6	550,200
70	76.6	202.4	471,300
75	75.2	201.1	406,800
80	73.7	199.6	353,100
85	72.2	198.0	307,700
90	70.6	196.2	268,800
95	69.1	194.3	235,100
100	67.6	192.3	205,300 *
105	66.0	190.0	174,100 *
110	64.4	187.6	146,500 *
115	62.8	185.1	121,800 *
120	61.2	182.3	99,700 *
125	59.5	179.4	79,600 *
130	57.8	176.3	61,500 *
135	56.1	172.9	44,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>225 Ft. BOOM</b>			
55	82.0	230.9	652,400 *
60	80.7	230.1	641,000 *
65	79.5	229.1	554,800
70	78.2	228.1	475,800
75	76.8	226.9	411,300
80	75.5	225.6	357,500
85	74.2	224.2	312,000
90	72.9	222.7	273,100
95	71.5	221.0	239,300
100	70.2	219.2	209,800
105	68.8	217.2	181,000 *
110	67.4	215.2	153,100 *
115	66.0	212.9	128,300 *
120	64.6	210.6	106,000 *
125	63.2	208.1	85,800 *
130	61.8	205.4	67,600 *
135	60.3	202.5	50,900 *
140	58.8	199.5	35,600 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## 888 RINGER

Boom No. 67B - 120 Ft. Mast No. 49A  
Luffing Jib No. 49A-44  
45 Ft. RINGER Attachment on Screw Jack Pedestals  
867,100 Lb. Auxiliary Counterweight  
360 Degree Rating

### 280 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
<b>125 Ft. BOOM</b>			
40	82.6	132.0	1,077,900 *
45	80.2	131.2	968,300 *
50	77.9	130.1	874,200 *
55	75.5	128.8	722,000
60	73.1	127.3	595,900
65	70.7	125.5	498,000
70	68.2	123.5	419,800
75	65.7	121.3	356,000
80	63.2	118.8	302,800
85	60.5	115.9	256,400 *
90	57.8	112.8	210,700 *
95	55.0	109.3	171,300 *
100	52.2	105.5	137,000 *
105	49.1	101.2	106,800 *
110	46.0	96.4	80,000 *
115	42.6	91.1	56,200 *
120	39.0	85.0	34,800 *
<b>150 Ft. BOOM</b>			
45	81.9	156.5	966,400 *
50	79.9	155.6	873,900 *
55	78.0	154.6	737,200
60	76.0	153.3	611,300
65	74.0	151.9	513,500
70	72.0	150.3	435,300
75	70.0	148.5	371,500
80	67.9	146.4	318,400
85	65.9	144.2	273,400
90	63.7	141.7	232,600 *
95	61.6	139.0	193,000 *
100	59.3	136.1	158,400 *
105	57.1	132.9	128,000 *
110	54.7	129.3	101,100 *
115	52.3	125.5	77,000 *
120	49.8	121.3	55,400 *
125	47.2	116.7	36,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>175 Ft. BOOM</b>			
50	81.4	181.1	870,900 *
55	79.7	180.1	748,800
60	78.1	179.1	622,600
65	76.4	177.9	524,700
70	74.7	176.5	446,400
75	73.0	175.0	382,400
80	71.2	173.3	329,200
85	69.5	171.4	284,200
90	67.7	169.3	245,600
95	65.9	167.1	208,400 *
100	64.1	164.7	173,500 *
105	62.3	162.1	142,900 *
110	60.4	159.2	115,700 *
115	58.5	156.2	91,400 *
120	56.5	152.9	69,600 *
125	54.5	149.3	49,900 *
130	52.4	145.5	32,100 *
<b>200 Ft. BOOM</b>			
50	82.5	206.3	759,900 *
55	81.0	205.6	753,300 *
60	79.6	204.6	629,200
65	78.1	203.6	531,300
70	76.6	202.4	453,100
75	75.2	201.1	389,100
80	73.7	199.6	335,900
85	72.2	198.0	290,900
90	70.6	196.2	252,300
95	69.1	194.3	218,900
100	67.6	192.3	183,900 *
105	66.0	190.0	153,100 *
110	64.4	187.6	125,800 *
115	62.8	185.1	101,300 *
120	61.2	182.3	79,400 *
125	59.5	179.4	59,600 *
130	57.8	176.3	41,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>225 Ft. BOOM</b>			
55	82.0	230.9	637,800 *
60	80.7	230.1	626,200 *
65	79.5	229.1	536,700
70	78.2	228.1	458,400
75	76.8	226.9	394,400
80	75.5	225.6	341,100
85	74.2	224.2	296,000
90	72.9	222.7	257,400
95	71.5	221.0	223,900
100	70.2	219.2	192,100 *
105	68.8	217.2	161,000 *
110	67.4	215.2	133,500 *
115	66.0	212.9	108,900 *
120	64.6	210.6	86,800 *
125	63.2	208.1	66,900 *
130	61.8	205.4	48,800 *
135	60.3	202.5	32,300 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## 888 RINGER

Boom No. 67B - 120 Ft. Mast No. 49A  
Luffing Jib No. 49A-44  
45 Ft. RINGER Attachment on Screw Jack Pedestals  
867,100 Lb. Auxiliary Counterweight  
360 Degree Rating

### 300 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
<b>125 Ft. BOOM</b>			
40	82.6	132.0	1,056,200 *
45	80.2	131.2	946,200 *
50	77.9	130.1	851,700 *
55	75.5	128.8	692,200
60	73.1	127.3	567,300
65	70.7	125.5	470,300
70	68.2	123.5	392,900
75	65.7	121.3	329,600
80	63.2	118.8	275,300 *
85	60.5	115.9	222,400 *
90	57.8	112.8	177,400 *
95	55.0	109.3	138,500 *
100	52.2	105.5	104,600 *
105	49.1	101.2	74,800 *
110	46.0	96.4	48,400 *
<b>150 Ft. BOOM</b>			
45	81.9	156.5	945,600 *
50	79.9	155.6	852,800 *
55	78.0	154.6	709,600
60	76.0	153.3	584,800
65	74.0	151.9	488,000
70	72.0	150.3	410,600
75	70.0	148.5	347,400
80	67.9	146.4	294,800
85	65.9	144.2	247,400 *
90	63.7	141.7	202,100 *
95	61.6	139.0	163,000 *
100	59.3	136.1	128,900 *
105	57.1	132.9	98,900 *
110	54.7	129.3	72,300 *
115	52.3	125.5	48,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>175 Ft. BOOM</b>			
50	81.4	181.1	850,700 *
55	79.7	180.1	722,700
60	78.1	179.1	597,800
65	76.4	177.9	500,800
70	74.7	176.5	423,300
75	73.0	175.0	359,900
80	71.2	173.3	307,200
85	69.5	171.4	262,600
90	67.7	169.3	220,000 *
95	65.9	167.1	180,500 *
100	64.1	164.7	146,100 *
105	62.3	162.1	115,800 *
110	60.4	159.2	89,000 *
115	58.5	156.2	65,000 *
120	56.5	152.9	43,500 *
<b>200 Ft. BOOM</b>			
50	82.5	206.3	741,800 *
55	81.0	205.6	730,400
60	79.6	204.6	605,500
65	78.1	203.6	508,600
70	76.6	202.4	431,100
75	75.2	201.1	367,800
80	73.7	199.6	315,100
85	72.2	198.0	270,600
90	70.6	196.2	232,400
95	69.1	194.3	192,700 *
100	67.6	192.3	158,100 *
105	66.0	190.0	127,600 *
110	64.4	187.6	100,600 *
115	62.8	185.1	76,500 *
120	61.2	182.3	54,900 *
125	59.5	179.4	35,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>225 Ft. BOOM</b>			
55	82.0	230.9	621,200 *
60	80.7	230.1	609,400 *
65	79.5	229.1	514,900
70	78.2	228.1	437,400
75	76.8	226.9	374,000
80	75.5	225.6	321,200
85	74.2	224.2	276,600
90	72.9	222.7	238,400
95	71.5	221.0	202,400 *
100	70.2	219.2	167,500 *
105	68.8	217.2	136,800 *
110	67.4	215.2	109,600 *
115	66.0	212.9	85,300 *
120	64.6	210.6	63,500 *
125	63.2	208.1	43,800 *





# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## 888 RINGER

**Boom No. 67B - 120 Ft. Mast No. 49A**  
**Luffing Jib No. 49A-44**  
**45 Ft. RINGER Attachment on Screw Jack Pedestals**  
**867,100 Lb. Auxiliary Counterweight**  
**360 Degree Rating**

### 320 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
<b>125 Ft. BOOM</b>			
40	82.6	132.0	1,037,300 *
45	80.2	131.2	926,800 *
50	77.9	130.1	830,000
55	75.5	128.8	664,500
60	73.1	127.3	540,800
65	70.7	125.5	444,800
70	68.2	123.5	368,100
75	65.7	121.3	305,400 *
80	63.2	118.8	243,500 *
85	60.5	115.9	191,300 *
90	57.8	112.8	146,800 *
95	55.0	109.3	108,400 *
100	52.2	105.5	75,000 *
105	49.1	101.2	45,600 *
<b>150 Ft. BOOM</b>			
45	81.9	156.5	927,200 *
50	79.9	155.6	834,200 *
55	78.0	154.6	684,000
60	76.0	153.3	560,500
65	74.0	151.9	464,500
70	72.0	150.3	387,900
75	70.0	148.5	325,300
80	67.9	146.4	271,600 *
85	65.9	144.2	219,100 *
90	63.7	141.7	174,400 *
95	61.6	139.0	135,700 *
100	59.3	136.1	102,000 *
105	57.1	132.9	72,400 *
110	54.7	129.3	46,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>175 Ft. BOOM</b>			
50	81.4	181.1	832,800 *
55	79.7	180.1	698,700
60	78.1	179.1	575,000
65	76.4	177.9	478,900
70	74.7	176.5	402,100
75	73.0	175.0	339,400
80	71.2	173.3	287,200
85	69.5	171.4	239,500 *
90	67.7	169.3	194,300 *
95	65.9	167.1	155,300 *
100	64.1	164.7	121,300 *
105	62.3	162.1	91,400 *
110	60.4	159.2	64,900 *
115	58.5	156.2	41,200 *
<b>200 Ft. BOOM</b>			
50	82.5	206.3	724,200 *
55	81.0	205.6	707,500
60	79.6	204.6	583,900
65	78.1	203.6	487,900
70	76.6	202.4	411,100
75	75.2	201.1	348,500
80	73.7	199.6	296,300
85	72.2	198.0	252,200
90	70.6	196.2	208,300 *
95	69.1	194.3	169,000 *
100	67.6	192.3	134,800 *
105	66.0	190.0	104,700 *
110	64.4	187.6	78,100 *
115	62.8	185.1	54,300 *
120	61.2	182.3	32,900 *