

# Liftcrane Boom Capacities

Meets  
ANSI B30.5  
Requirements

**Boom No. 82 or 22EL**  
**149,600 Lb. Counterweight**  
**Rating Over End of Blocked Crawlers**  
**No Travel - Limited Swing**

## 999 SERIES 1

**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 over end of machine with crawlers blocked. Capacities based on structural competence are denoted by an asterisk (\*). Capacities indicated by (b) require 12,500 Lb. minimum weight.

Upper boom point capacity for liftcrane service with single part whip line is 29,500 Lbs. or 59,000 Lbs. with two part whip line. When boom butt mounted auxiliary drum is used, capacity with single part whip line is 20,000 Lbs. or 40,000 Lbs. with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

250 Ft. boom length requires only the middle two sheaves in lower boom point. All other sheaves must be removed from lower boom point.

Weight of jib, all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of main boom load. 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. Drive and idler tumbler must be properly blocked so that centerline of tumbler becomes tipping fulcrum. Swing is limited to that sector shown on Operating Range Diagram **No. 8224-A**. Refer to boom rigging **No. 195459** (No. 82) or **No. 195890** (No. 22EL) and Wire Rope Specification chart **No. 8223-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.

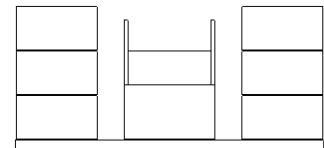
**MACHINE EQUIPMENT:** Machine equipped with 28 Ft. 2 in. crawlers, 48 in. treads, 10 Ft. 3 in. retractable gantry, 30 Ft. live mast, 20 part boom hoist reeving, boom support straps or four 1-3/8 in. boom pendants and 149,600 Lb. counterweight.

Maximum Boom and Jib Lengths Lifted Unassisted Over End of Blocked Crawlers			
WITHOUT BOOM CATWALKS		WITH BOOM CATWALKS	
Boom Length	Jib No. 134	Boom Length	Jib No. 134
(a) 250 Ft.	—	(a) 250 Ft.	—
240 Ft.	—	(b) 240 Ft.	—
230 Ft.	—	230 Ft.	—
220 Ft.	60 Ft.	220 Ft.	50 Ft.
210 Ft.	80 Ft.	210 Ft.	80 Ft.

Load block, hook and weight ball on ground at start.  
(a) Upper boom point cannot be used on 250 Ft. boom.  
(b) Machine must be equipped with lowerworks jacking cylinders.

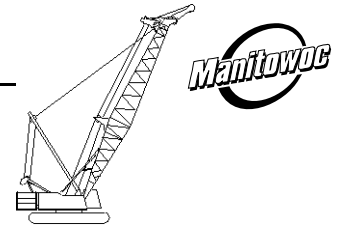
Consult jib chart for jib capacities.  
Upper boom point cannot be used when jib is attached.

Boom Catwalks Deduct
Deduct 600 Lbs. from capacities when boom catwalks are attached.



149,600 Lbs. Crane Counterweight  
6 Side Boxes - 1 Center Box

Deduct From Capacities When Jib Is Attached	
Jib Length	Jib No. 134
30 Ft.	2,700 Lbs.
40 Ft.	3,500 Lbs.
50 Ft.	4,300 Lbs.
60 Ft.	5,100 Lbs.
70 Ft.	6,100 Lbs.
80 Ft.	7,100 Lbs.



# Liftcrane Boom Capacities

Meets  
**ANSI B30.5**  
Requirements

**Boom No. 82 or 22EL**  
**149,600 Lb. Counterweight**  
**Rating Over End of Blocked Crawlers**  
**No Travel - Limited Swing**

## 999 SERIES 1

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>70 Ft. BOOM</b>			
16	82.8	77.2	451,100 *b
17	82.0	77.1	426,600 *b
18	81.1	76.9	404,600 *b
19	80.3	76.7	384,700 *b
20	79.5	76.5	366,500 *b
22	77.8	76.0	334,800 *b
24	76.1	75.5	308,000 *b
26	74.4	74.9	285,000 *
28	72.7	74.2	265,000 *
30	70.9	73.5	247,600 *
32	69.2	72.7	228,100
34	67.4	71.8	205,800
36	65.6	70.9	187,200
38	63.7	69.8	171,600
40	61.9	68.7	158,200
42	60.0	67.5	146,500
44	58.0	66.2	136,400
46	56.0	64.8	127,400
48	54.0	63.4	119,500
50	51.9	61.7	112,300
55	46.3	57.1	97,400
60	40.1	51.4	85,600
65	32.9	44.2	75,900
70	23.7	34.1	67,900
<b>80 Ft. BOOM</b>			
17	83.0	87.2	425,900 *b
18	82.3	87.0	403,900 *b
19	81.5	86.9	384,000 *b
20	80.8	86.7	365,900 *b
22	79.3	86.3	334,200 *b
24	77.9	85.8	307,300 *b
26	76.4	85.3	284,300 *
28	74.9	84.7	264,400 *
30	73.4	84.1	247,000 *
32	71.9	83.4	228,500
34	70.4	82.7	206,100
36	68.8	81.9	187,500
38	67.3	81.0	171,800
40	65.7	80.0	158,300
42	64.1	79.0	146,700
44	62.4	78.0	136,500
46	60.8	76.8	127,500
48	59.1	75.6	119,600
50	57.4	74.3	112,400
55	52.9	70.6	97,500
60	48.2	66.2	85,600
65	43.0	61.0	76,000
70	37.3	54.8	68,000
75	30.6	46.9	61,300
80	22.0	36.0	55,400

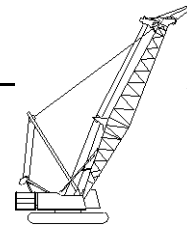
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>90 Ft. BOOM</b>			
19	82.5	97.0	383,500 *b
20	81.8	96.8	365,400 *b
22	80.5	96.5	333,700 *b
24	79.2	96.1	306,900 *b
26	77.9	95.6	283,900 *
28	76.6	95.1	264,000 *
30	75.3	94.6	246,600 *
32	74.0	94.0	228,900
34	72.6	93.3	206,400
36	71.3	92.6	187,800
38	69.9	91.8	172,000
40	68.6	91.0	158,500
42	67.2	90.1	146,900
44	65.8	89.2	136,700
46	64.3	88.2	127,700
48	62.9	87.2	119,700
50	61.4	86.0	112,500
55	57.7	82.9	97,500
60	53.8	79.3	85,700
65	49.6	75.2	76,100
70	45.2	70.4	68,100
75	40.4	64.7	61,400
80	35.0	57.9	55,600
85	28.7	49.4	50,600
90	20.7	37.7	46,200
<b>100 Ft. BOOM</b>			
20	82.7	107.0	365,200 *b
22	81.5	106.6	333,500 *b
24	80.3	106.3	306,700 *b
26	79.2	105.9	283,700 *
28	78.0	105.4	263,800 *
30	76.8	104.9	246,400 *
32	75.6	104.4	229,200
34	74.4	103.8	206,700
36	73.2	103.2	188,100
38	72.0	102.5	172,300
40	70.8	101.8	158,800
42	69.6	101.0	147,100
44	68.3	100.2	136,800
46	67.1	99.3	127,800
48	65.8	98.4	119,800
50	64.6	97.4	112,700
55	61.3	94.7	97,700
60	57.9	91.6	85,800
65	54.4	88.1	76,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>100 Ft. BOOM</b>			
70	50.8	84.1	68,200
75	46.9	79.5	61,500
80	42.7	74.3	55,800
85	38.2	68.1	50,800
90	33.1	60.8	46,500
95	27.2	51.7	42,600
100	19.5	39.4	39,200
<b>110 Ft. BOOM</b>			
22	82.3	116.8	332,900 *
24	81.2	116.4	306,100 *
26	80.2	116.1	283,200 *
28	79.1	115.7	263,300 *
30	78.0	115.2	245,800 *
32	77.0	114.7	229,400
34	75.9	114.2	206,900
36	74.8	113.6	188,100
38	73.7	113.0	172,300
40	72.6	112.4	158,800
42	71.5	111.7	147,000
44	70.4	110.9	136,800
46	69.3	110.2	127,700
48	68.2	109.3	119,700
50	67.0	108.5	112,500
55	64.1	106.1	97,500
60	61.2	103.4	85,700
65	58.1	100.3	76,000
70	55.0	96.8	68,100
75	51.7	93.0	61,300
80	48.2	88.6	55,600
85	44.5	83.6	50,600
90	40.6	77.9	46,300
95	36.3	71.4	42,500
100	31.5	63.6	39,100
105	25.8	54.0	36,000
110	18.6	40.9	33,200



# Liftcrane Boom Capacities

Meets  
ANSI B30.5  
Requirements



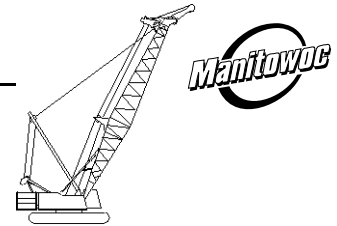
**Boom No. 82 or 22EL**  
**149,600 Lb. Counterweight**  
**Rating Over End of Blocked Crawlers**  
**No Travel - Limited Swing**

## 999 SERIES 1

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>120 Ft. BOOM</b>			
22	82.9	126.9	324,500 *
24	82.0	126.6	305,800 *
26	81.0	126.2	282,800 *
28	80.0	125.9	262,900 *
30	79.1	125.5	245,500 *
32	78.1	125.0	229,500
34	77.1	124.5	207,000
36	76.1	124.0	188,200
38	75.1	123.5	172,300
40	74.1	122.9	158,800
42	73.1	122.2	147,000
44	72.1	121.6	136,800
46	71.1	120.9	127,700
48	70.1	120.1	119,700
50	69.1	119.3	112,500
55	66.5	117.2	97,500
60	63.8	114.7	85,600
65	61.1	112.0	75,900
70	58.3	109.0	68,000
75	55.4	105.6	61,200
80	52.4	101.8	55,500
85	49.3	97.5	50,600
90	46.0	92.8	46,200
95	42.5	87.5	42,400
100	38.7	81.4	39,000
105	34.6	74.4	36,000
110	30.0	66.2	33,300
115	24.7	56.1	30,800
120	17.7	42.4	28,500
<b>130 Ft. BOOM</b>			
24	82.6	136.7	295,000 *
26	81.7	136.4	282,600 *
28	80.8	136.0	262,700 *
30	79.9	135.7	245,200 *
32	79.0	135.3	229,700
34	78.1	134.8	207,100
36	77.2	134.3	188,300
38	76.3	133.8	172,400
40	75.4	133.3	158,900
42	74.5	132.7	147,100
44	73.5	132.1	136,800
46	72.6	131.5	127,800
48	71.7	130.8	119,700
50	70.7	130.1	112,500
55	68.4	128.1	97,500
60	66.0	125.9	85,600
65	63.5	123.4	75,900
70	61.0	120.7	67,900
75	58.4	117.6	61,200
80	55.8	114.3	55,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>130 Ft. BOOM</b>			
85	53.0	110.6	50,500
90	50.2	106.5	46,200
95	47.2	101.9	42,400
100	44.0	96.8	39,000
105	40.7	91.2	36,000
110	37.1	84.8	33,300
115	33.2	77.4	30,800
120	28.8	68.7	28,500
125	23.6	58.1	26,400
130	17.0	43.8	24,500
<b>140 Ft. BOOM</b>			
26	82.3	146.5	282,200 *
28	81.5	146.2	262,300 *
30	80.6	145.8	244,900 *
32	79.8	145.5	229,500 *
34	79.0	145.1	207,100
36	78.1	144.6	188,300
38	77.3	144.1	172,400
40	76.4	143.6	158,800
42	75.6	143.1	147,000
44	74.7	142.5	136,700
46	73.9	141.9	127,600
48	73.0	141.3	119,600
50	72.2	140.7	112,400
55	70.0	138.9	97,300
60	67.8	136.8	85,400
65	65.5	134.6	75,700
70	63.3	132.1	67,700
75	60.9	129.3	61,000
80	58.5	126.3	55,300
85	56.1	123.0	50,300
90	53.5	119.3	46,000
95	50.9	115.3	42,200
100	48.2	110.9	38,800
105	45.3	106.1	35,800
110	42.3	100.7	33,100
115	39.1	94.7	30,600
120	35.7	87.9	28,400
125	31.9	80.2	26,300
130	27.7	71.2	24,400
135	22.7	60.1	22,700
140	16.3	45.2	21,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>150 Ft. BOOM</b>			
26	82.8	156.6	265,500 *
28	82.0	156.3	261,400 *
30	81.3	156.0	244,300 *
32	80.5	155.6	228,900 *
34	79.7	155.3	207,100
36	78.9	154.8	188,200
38	78.2	154.4	172,300
40	77.4	153.9	158,700
42	76.6	153.5	146,900
44	75.8	152.9	136,500
46	75.0	152.4	127,400
48	74.2	151.8	119,400
50	73.4	151.2	112,100
55	71.4	149.5	97,000
60	69.4	147.6	85,100
65	67.3	145.6	75,400
70	65.2	143.3	67,400
75	63.0	140.8	60,700
80	60.9	138.0	54,900
85	58.6	135.0	49,900
90	56.3	131.7	45,600
95	54.0	128.1	41,800
100	51.6	124.2	38,400
105	49.1	119.9	35,400
110	46.4	115.2	32,700
115	43.7	110.1	30,200
120	40.8	104.4	28,000
125	37.7	98.1	26,000
130	34.4	91.0	24,100
135	30.8	82.9	22,400
140	26.7	73.5	20,700
145	21.9	62.0	19,200
150	15.7	46.5	17,800



# Liftcrane Boom Capacities

Meets  
**ANSI B30.5**  
Requirements

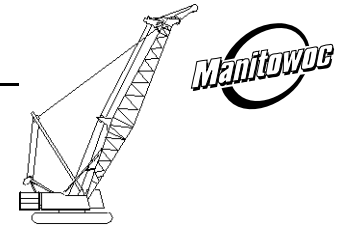
**Boom No. 82 or 22EL**  
**149,600 Lb. Counterweight**  
**Rating Over End of Blocked Crawlers**  
**No Travel - Limited Swing**

## 999 SERIES 1

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>160 Ft. BOOM</b>			
28	82.5	166.4	236,000 *
30	81.8	166.1	236,000 *
32	81.1	165.8	228,500 *
34	80.4	165.4	207,000
36	79.6	165.1	188,100
38	78.9	164.6	172,200
40	78.2	164.2	158,500
42	77.4	163.7	146,700
44	76.7	163.3	136,400
46	76.0	162.7	127,300
48	75.2	162.2	119,200
50	74.5	161.6	111,900
55	72.6	160.1	96,800
60	70.7	158.3	84,900
65	68.8	156.4	75,200
70	66.8	154.3	67,100
75	64.9	152.0	60,400
80	62.9	149.4	54,600
85	60.8	146.7	49,700
90	58.7	143.6	45,300
95	56.6	140.4	41,500
100	54.4	136.8	38,100
105	52.1	133.0	35,100
110	49.8	128.8	32,400
115	47.4	124.3	30,000
120	44.9	119.3	27,700
125	42.2	113.9	25,700
130	39.4	108.0	23,800
135	36.5	101.4	22,100
140	33.3	94.0	20,500
145	29.8	85.6	19,000
150	25.8	75.7	17,600
155	21.2	63.8	16,300
160	15.2	47.8	15,100
<b>170 Ft. BOOM</b>			
28	83.0	176.5	232,700 *
30	82.3	176.2	228,400 *
32	81.6	175.9	224,100 *
34	80.9	175.6	207,000
36	80.3	175.2	188,100
38	79.6	174.9	172,100
40	78.9	174.4	158,400
42	78.2	174.0	146,600
44	77.5	173.6	136,300
46	76.8	173.1	127,100
48	76.1	172.6	119,000
50	75.4	172.0	111,800
55	73.7	170.6	96,600
60	71.9	168.9	84,700
65	70.1	167.1	75,000
70	68.3	165.2	66,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>170 Ft. BOOM</b>			
75	66.4	163.0	60,200
80	64.6	160.6	54,400
85	62.7	158.1	49,400
90	60.8	155.3	45,100
95	58.8	152.3	41,300
100	56.8	149.1	37,900
105	54.7	145.6	34,900
110	52.6	141.8	32,200
115	50.4	137.7	29,700
120	48.2	133.3	27,500
125	45.9	128.5	25,500
130	43.4	123.3	23,600
135	40.9	117.6	21,900
140	38.2	111.4	20,300
145	35.3	104.5	18,800
150	32.2	96.8	17,400
155	28.8	88.1	16,200
160	25.0	77.9	15,000
165	20.5	65.6	13,800
<b>180 Ft. BOOM</b>			
30	82.7	186.3	206,500 *
32	82.1	186.0	206,500 *
34	81.4	185.7	206,500 *
36	80.8	185.4	188,000
38	80.2	185.0	172,000
40	79.5	184.6	158,300
42	78.9	184.2	146,400
44	78.2	183.8	136,100
46	77.6	183.4	126,900
48	76.9	182.9	118,800
50	76.2	182.4	111,600
55	74.6	181.0	96,400
60	72.9	179.5	84,400
65	71.2	177.8	74,700
70	69.5	175.9	66,600
75	67.8	173.9	59,900
80	66.1	171.7	54,100
85	64.3	169.3	49,100
90	62.5	166.8	44,800
95	60.7	164.0	41,000
100	58.9	161.0	37,600
105	57.0	157.8	34,600
110	55.0	154.3	31,900
115	53.0	150.6	29,400
120	51.0	146.6	27,200
125	48.9	142.3	25,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>180 Ft. BOOM</b>			
130	46.7	137.6	23,300
135	44.5	132.6	21,600
140	42.1	127.1	20,000
145	39.7	121.2	18,500
150	37.1	114.7	17,100
155	34.3	107.6	15,900
160	31.3	99.6	14,700
165	28.0	90.6	13,500
170	24.3	80.0	12,500
175	19.9	67.3	11,500
<b>190 Ft. BOOM</b>			
32	82.5	196.2	196,800 *
34	81.9	195.9	193,600 *
36	81.3	195.5	188,000
38	80.7	195.2	171,900
40	80.1	194.8	158,200
42	79.4	194.4	146,300
44	78.8	194.0	135,900
46	78.2	193.6	126,700
48	77.6	193.2	118,600
50	77.0	192.7	111,300
55	75.4	191.4	96,100
60	73.9	189.9	84,100
65	72.3	188.4	74,400
70	70.7	186.6	66,300
75	69.1	184.7	59,500
80	67.4	182.7	53,700
85	65.8	180.4	48,800
90	64.1	178.0	44,400
95	62.4	175.4	40,600
100	60.7	172.6	37,200
105	58.9	169.6	34,200
110	57.1	166.4	31,400
115	55.3	163.0	29,000
120	53.4	159.3	26,700
125	51.5	155.4	24,700
130	49.5	151.2	22,800
135	47.5	146.7	21,100
140	45.4	141.8	19,500
145	43.2	136.5	18,100
150	40.9	130.9	16,700
155	38.5	124.7	15,400
160	36.0	118.0	14,200
165	33.3	110.6	13,100
170	30.4	102.3	12,100
175	27.2	93.0	11,100
180	23.6	82.1	10,100
185	19.4	68.9	9,200



# Liftcrane Boom Capacities

Meets  
ANSI B30.5  
Requirements

Boom No. 82 or 22EL  
149,600 Lb. Counterweight  
Rating Over End of Blocked Crawlers  
No Travel - Limited Swing

## 999 SERIES 1

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>200 Ft. BOOM</b>			
32	82.9	206.3	177,000 *
34	82.3	206.0	177,000 *
36	81.7	205.7	177,000 *
38	81.1	205.3	171,700
40	80.6	205.0	158,000
42	80.0	204.6	146,100
44	79.4	204.2	135,700
46	78.8	203.8	126,500
48	78.2	203.4	118,300
50	77.6	203.0	111,100
55	76.2	201.7	95,800
60	74.7	200.4	83,800
65	73.2	198.9	74,000
70	71.7	197.2	66,000
75	70.2	195.4	59,200
80	68.6	193.5	53,400
85	67.1	191.4	48,400
90	65.5	189.1	44,000
95	63.9	186.7	40,200
100	62.3	184.1	36,800
105	60.6	181.3	33,800
110	59.0	178.3	31,100
115	57.3	175.1	28,600
120	55.5	171.7	26,400
125	53.8	168.1	24,300
130	52.0	164.2	22,500
135	50.1	160.1	20,800
140	48.2	155.6	19,200
145	46.2	150.9	17,700
150	44.2	145.8	16,300
155	42.1	140.4	15,100
160	39.8	134.5	13,900
165	37.5	128.1	12,800
170	35.1	121.1	11,700
175	32.4	113.4	10,700
180	29.6	104.9	9,800
185	26.5	95.3	8,900
190	23.0	84.1	8,100
195	18.9	70.6	7,300

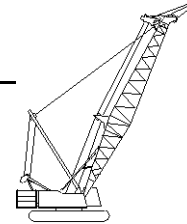
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>210 Ft. BOOM</b>			
34	82.7	216.1	171,300 *
36	82.1	215.8	169,200 *
38	81.6	215.5	166,900 *
40	81.0	215.1	157,800
42	80.5	214.8	145,900
44	79.9	214.4	135,500
46	79.4	214.0	126,300
48	78.8	213.6	118,100
50	78.2	213.2	110,800
55	76.8	212.0	95,600
60	75.4	210.8	83,500
65	74.0	209.3	73,800
70	72.6	207.8	65,700
75	71.1	206.1	58,900
80	69.7	204.2	53,100
85	68.2	202.2	48,100
90	66.7	200.1	43,700
95	65.2	197.8	39,900
100	63.7	195.4	36,500
105	62.2	192.7	33,500
110	60.6	189.9	30,800
115	59.0	187.0	28,300
120	57.4	183.8	26,100
125	55.8	180.4	24,000
130	54.1	176.8	22,100
135	52.4	173.0	20,400
140	50.6	168.9	18,800
145	48.8	164.6	17,400
150	46.9	160.0	16,000
155	45.0	155.1	14,800
160	43.0	149.8	13,600
165	41.0	144.1	12,500
170	38.8	138.0	11,400
175	36.6	131.4	10,400
180	34.2	124.2	9,500
185	31.6	116.3	8,600
190	28.9	107.5	7,800
195	25.8	97.5	7,000
200	22.4	86.0	6,200
205	18.4	72.1	5,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>220 Ft. BOOM</b>			
34	83.0	226.2	155,100 *
36	82.5	225.9	154,700 *
38	82.0	225.6	154,300 *
40	81.4	225.3	153,800 *
42	80.9	224.9	145,700
44	80.4	224.6	135,200
46	79.8	224.2	126,000
48	79.3	223.8	117,900
50	78.8	223.4	110,600
55	77.5	222.3	95,300
60	76.1	221.1	83,200
65	74.8	219.7	73,400
70	73.4	218.3	65,300
75	72.0	216.6	58,500
80	70.7	214.9	52,700
85	69.3	213.0	47,700
90	67.9	211.0	43,400
95	66.4	208.8	39,500
100	65.0	206.5	36,100
105	63.6	204.0	33,100
110	62.1	201.4	30,400
115	60.6	198.6	27,900
120	59.1	195.6	25,700
125	57.5	192.5	23,600
130	56.0	189.1	21,800
135	54.4	185.6	20,000
140	52.7	181.8	18,500
145	51.1	177.8	17,000
150	49.4	173.5	15,600
155	47.6	169.0	14,400
160	45.8	164.2	13,200
165	43.9	159.1	12,100
170	42.0	153.6	11,000
175	40.0	147.7	10,000
180	37.9	141.4	9,100
185	35.7	134.6	8,300
190	33.4	127.1	7,400
195	30.9	119.0	6,600
200	28.2	110.0	5,900
205	25.2	99.7	5,200
210	21.9	87.9	4,500



# Liftcrane Boom Capacities

Meets  
**ANSI B30.5**  
Requirements



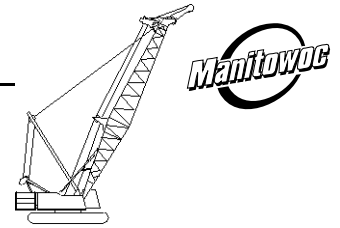
**Boom No. 82 or 22EL**  
**149,600 Lb. Counterweight**  
**Rating Over End of Blocked Crawlers**  
**No Travel - Limited Swing**

## 999 SERIES 1

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>230 Ft. BOOM</b>			
36	82.8	236.0	139,300 *
38	82.3	235.7	138,800 *
40	81.8	235.4	138,400 *
42	81.3	235.1	138,000 *
44	80.8	234.7	135,000
46	80.3	234.4	125,800
48	79.8	234.0	117,600
50	79.3	233.6	110,300
55	78.0	232.6	95,000
60	76.7	231.4	82,900
65	75.4	230.1	73,100
70	74.1	228.7	65,000
75	72.8	227.2	58,100
80	71.5	225.5	52,300
85	70.2	223.7	47,300
90	68.9	221.8	42,900
95	67.5	219.7	39,100
100	66.2	217.5	35,700
105	64.8	215.2	32,600
110	63.4	212.7	29,900
115	62.0	210.1	27,400
120	60.6	207.3	25,200
125	59.1	204.3	23,200
130	57.6	201.1	21,300
135	56.1	197.8	19,600
140	54.6	194.3	18,000
145	53.1	190.6	16,500
150	51.5	186.6	15,100
155	49.9	182.4	13,900
160	48.2	178.0	12,700
165	46.5	173.3	11,600
170	44.7	168.3	10,500
175	42.9	163.0	9,600
180	41.0	157.3	8,600
185	39.1	151.3	7,800
190	37.0	144.7	6,900
195	34.9	137.7	6,200
200	32.6	130.1	5,400
205	30.2	121.7	4,700
210	27.5	112.4	4,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>240 Ft. BOOM</b>			
38	82.6	245.8	126,300 *
40	82.2	245.5	125,900 *
42	81.7	245.2	125,500 *
44	81.2	244.9	125,100 *
46	80.7	244.6	124,600 *
48	80.2	244.2	117,300
50	79.7	243.8	110,000
55	78.5	242.8	94,600
60	77.3	241.7	82,500
65	76.1	240.5	72,700
70	74.8	239.1	64,600
75	73.6	237.6	57,800
80	72.3	236.1	51,900
85	71.1	234.4	46,900
90	69.8	232.5	42,500
95	68.5	230.6	38,700
100	67.2	228.5	35,300
105	65.9	226.3	32,200
110	64.6	223.9	29,500
115	63.3	221.4	27,000
120	61.9	218.7	24,800
125	60.5	215.9	22,700
130	59.2	213.0	20,900
135	57.7	209.8	19,100
140	56.3	206.5	17,600
145	54.9	203.0	16,100
150	53.4	199.3	14,700
155	51.9	195.4	13,500
160	50.3	191.3	12,300
165	48.7	187.0	11,200
170	47.1	182.4	10,100
175	45.4	177.5	9,100
180	43.7	172.3	8,200
185	41.9	166.8	7,300
190	40.1	161.0	6,500
195	38.2	154.7	5,700
200	36.2	148.0	5,000
205	34.1	140.8	4,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>250 Ft. BOOM</b>			
38	82.9	255.9	114,500 *
40	82.5	255.6	114,100 *
42	82.0	255.3	113,800 *
44	81.5	255.0	113,400 *
46	81.1	254.7	113,000 *
48	80.6	254.4	112,600 *
50	80.1	254.0	110,400
55	79.0	253.0	95,100
60	77.8	252.0	82,900
65	76.6	250.8	73,100
70	75.4	249.5	65,000
75	74.3	248.1	58,100
80	73.1	246.6	52,300
85	71.9	244.9	47,300
90	70.6	243.2	42,900
95	69.4	241.3	39,100
100	68.2	239.3	35,600
105	66.9	237.2	32,600
110	65.7	235.0	29,900
115	64.4	232.6	27,400
120	63.1	230.1	25,100
125	61.8	227.4	23,100
130	60.5	224.6	21,200
135	59.2	221.6	19,500
140	57.8	218.5	17,900
145	56.5	215.2	16,400
150	55.1	211.7	15,100
155	53.6	208.1	13,800
160	52.2	204.2	12,600
165	50.7	200.2	11,500
170	49.2	195.9	10,500
175	47.7	191.4	9,500
180	46.1	186.6	8,600
185	44.5	181.6	7,700
190	42.8	176.2	6,900
195	41.1	170.6	6,100
200	39.3	164.5	5,400
205	37.4	158.1	4,700
210	35.4	151.2	4,000



# Liftcrane Boom Capacities

Meets  
 ANSI B30.5  
 Requirements

Boom No. 82 or 22EL  
 149,600 Lb. Counterweight  
 Rating Over End of Blocked Crawlers  
 No Travel - Limited Swing

## 999 SERIES 1

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
-----------------------	----------------------	--------------------------------	----------------------------

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
-----------------------	----------------------	--------------------------------	----------------------------

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
-----------------------	----------------------	--------------------------------	----------------------------

**REFERENCE ONLY!**