

Liftcrane Boom Capacities

Boom No. 82 or 22EL
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

Meets
ANSI B30.5
Requirements

999 SERIES 2

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. thru 290 Ft. boom lengths require only the middle two sheaves in lower boom point. All other sheaves must be removed from lower boom point.

Note: 22L boom top **No. 196142** or **No. 417403** required for capacities greater than or equal to 462,500 Lbs.

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.

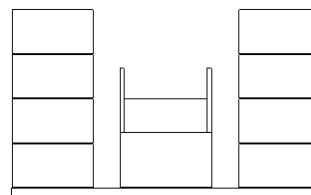
OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with gantry up. Drive and idler tumblers must be properly blocked so that centerline of tumblers becomes tipping fulcrum. Swing is limited to that sector shown on Operating Range Diagram **No. 8224-A**. 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, 184,600 Lb. crane counterweight and two 22,000 Lb. carbody counterweights.

Maximum Boom and Jib Lengths Lifted Unassisted Over End of Blocked Crawlers	
WITHOUT BOOM CATWALKS	
Boom Length	Jib No. 134
(a) 290 Ft.	—
280 Ft.	—
270 Ft.	—
260 Ft.	50 Ft.
250 Ft.	80 Ft.
WITH BOOM CATWALKS	
Boom Length	Jib No. 134
(a) 280 Ft.	—
270 Ft.	—
260 Ft.	40 Ft.
250 Ft.	70 Ft.
240 Ft.	80 Ft.
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used.	



184,600 Lb. Crane Counterweight
8 Side Boxes - 1 Center Box

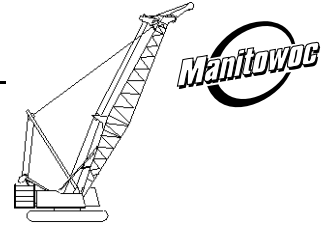
Boom Catwalks Deduct

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

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.

Consult jib chart for jib capacities.

Upper boom point cannot be used when jib is attached.



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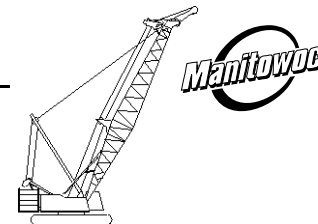
999 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. BOOM			
16	82.8	77.2	470,100 * ^{b 1}
17	82.0	77.1	444,600 * ^b
18	81.1	76.9	421,600 * ^b
19	80.3	76.7	400,900 * ^b
20	79.5	76.5	382,000 * ^b
22	77.8	76.0	349,000 * ^b
24	76.1	75.5	321,100 * ^b
26	74.4	74.9	297,100 *
28	72.7	74.2	276,400 *
30	70.9	73.5	258,200 *
32	69.2	72.7	242,200 *
34	67.4	71.8	227,900 *
36	65.6	70.9	215,200 *
38	63.7	69.8	203,700 *
40	61.9	68.7	193,300 *
42	60.0	67.5	183,800 *
44	58.0	66.2	171,700 *
46	56.0	64.8	160,700 *
48	54.0	63.4	150,800 *
50	51.9	61.7	142,000 *
55	46.3	57.1	123,600 *
60	40.1	51.4	109,100 *
65	32.9	44.2	96,400 *
70	23.7	34.1	76,300 *
80 Ft. BOOM			
17	83.0	87.2	443,900 * ^b
18	82.3	87.0	421,000 * ^b
19	81.5	86.9	400,200 * ^b
20	80.8	86.7	381,400 * ^b
22	79.3	86.3	348,400 * ^b
24	77.9	85.8	320,400 * ^b
26	76.4	85.3	296,500 *
28	74.9	84.7	275,800 *
30	73.4	84.1	257,600 *
32	71.9	83.4	241,600 *
34	70.4	82.7	227,400 *
36	68.8	81.9	214,600 *
38	67.3	81.0	203,100 *
40	65.7	80.0	192,800 *
42	64.1	79.0	183,300 *
44	62.4	78.0	171,800 *
46	60.8	76.8	160,800 *
48	59.1	75.6	150,900 *
50	57.4	74.3	142,100 *
55	52.9	70.6	123,700 *
60	48.2	66.2	109,100 *
65	43.0	61.0	97,300 *
70	37.3	54.8	87,500 *
75	30.6	46.9	79,100 *
80	22.0	36.0	65,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
19	82.5	97.0	399,800 * ^b
20	81.8	96.8	380,900 * ^b
22	80.5	96.5	347,900 * ^b
24	79.2	96.1	320,000 * ^b
26	77.9	95.6	296,100 *
28	76.6	95.1	275,400 *
30	75.3	94.6	257,200 *
32	74.0	94.0	241,200 *
34	72.6	93.3	227,000 *
36	71.3	92.6	214,200 *
38	69.9	91.8	202,800 *
40	68.6	91.0	192,400 *
42	67.2	90.1	182,900 *
44	65.8	89.2	172,000 *
46	64.3	88.2	160,900 *
48	62.9	87.2	151,000 *
50	61.4	86.0	142,200 *
55	57.7	82.9	123,800 *
60	53.8	79.3	109,200 *
65	49.6	75.2	97,300 *
70	45.2	70.4	87,500 *
75	40.4	64.7	79,300 *
80	35.0	57.9	72,200 *
85	28.7	49.4	66,000 *
90	20.7	37.7	57,000 *
100 Ft. BOOM			
20	82.7	107.0	380,700 * ^b
22	81.5	106.6	347,700 * ^b
24	80.3	106.3	319,800 * ^b
26	79.2	105.9	295,900 *
28	78.0	105.4	275,200 *
30	76.8	104.9	257,000 *
32	75.6	104.4	241,000 *
34	74.4	103.8	226,800 *
36	73.2	103.2	214,000 *
38	72.0	102.5	202,600 *
40	70.8	101.8	192,200 *
42	69.6	101.0	182,800 *
44	68.3	100.2	172,200 *
46	67.1	99.3	161,100 *
48	65.8	98.4	151,200 *
50	64.6	97.4	142,400 *
55	61.3	94.7	123,900 *
60	57.9	91.6	109,300 *
65	54.4	88.1	97,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
70	50.8	84.1	87,700
75	46.9	79.5	79,400
80	42.7	74.3	72,300
85	38.2	68.1	66,200
90	33.1	60.8	60,900
95	27.2	51.7	56,200
100	19.5	39.4	48,700 *
110 Ft. BOOM			
22	82.3	116.8	347,100 *
24	81.2	116.4	319,300 *
26	80.2	116.1	295,300 *
28	79.1	115.7	274,600 *
30	78.0	115.2	256,500 *
32	77.0	114.7	240,500 *
34	75.9	114.2	226,300 *
36	74.8	113.6	213,500 *
38	73.7	113.0	202,100 *
40	72.6	112.4	191,700 *
42	71.5	111.7	182,300 *
44	70.4	110.9	172,100
46	69.3	110.2	161,000
48	68.2	109.3	151,100
50	67.0	108.5	142,300
55	64.1	106.1	123,800
60	61.2	103.4	109,200
65	58.1	100.3	97,300
70	55.0	96.8	87,500
75	51.7	93.0	79,200
80	48.2	88.6	72,200
85	44.5	83.6	66,100
90	40.6	77.9	60,700
95	36.3	71.4	56,000
100	31.5	63.6	51,900
105	25.8	54.0	47,900 *
110	18.6	40.9	41,600 *

¹ See note on page 1.



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Meets
ANSI B30.5
Requirements

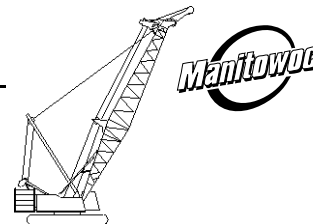
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184,600 Lb. Crane Counterweight
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No Travel - Limited Swing

999 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
22	82.9	126.9	324,500 *
24	82.0	126.6	318,900 *
26	81.0	126.2	295,000 *
28	80.0	125.9	274,300 *
30	79.1	125.5	256,200 *
32	78.1	125.0	240,200 *
34	77.1	124.5	226,000 *
36	76.1	124.0	213,200 *
38	75.1	123.5	201,800 *
40	74.1	122.9	191,400 *
42	73.1	122.2	182,000 *
44	72.1	121.6	172,100
46	71.1	120.9	161,000
48	70.1	120.1	151,100
50	69.1	119.3	142,200
55	66.5	117.2	123,700
60	63.8	114.7	109,100
65	61.1	112.0	97,200
70	58.3	109.0	87,400
75	55.4	105.6	79,100
80	52.4	101.8	72,100
85	49.3	97.5	66,000
90	46.0	92.8	60,700
95	42.5	87.5	56,000
100	38.7	81.4	51,800
105	34.6	74.4	48,100
110	30.0	66.2	44,700
115	24.7	56.1	41,100 *
120	17.7	42.4	35,800 *
130 Ft. BOOM			
24	82.6	136.7	295,000 *
26	81.7	136.4	294,700 *
28	80.8	136.0	274,000 *
30	79.9	135.7	255,900 *
32	79.0	135.3	239,900 *
34	78.1	134.8	225,700 *
36	77.2	134.3	213,000 *
38	76.3	133.8	201,500 *
40	75.4	133.3	191,100 *
42	74.5	132.7	181,700 *
44	73.5	132.1	172,100
46	72.6	131.5	161,000
48	71.7	130.8	151,100
50	70.7	130.1	142,200
55	68.4	128.1	123,700
60	66.0	125.9	109,000
65	63.5	123.4	97,200
70	61.0	120.7	87,300
75	58.4	117.6	79,100
80	55.8	114.3	72,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
85	53.0	110.6	65,900
90	50.2	106.5	60,600
95	47.2	101.9	55,900
100	44.0	96.8	51,800
105	40.7	91.2	48,100
110	37.1	84.8	44,700
115	33.2	77.4	41,700
120	28.8	68.7	38,900
125	23.6	58.1	35,500 *
130	17.0	43.8	30,900 *
140 Ft. BOOM			
26	82.3	146.5	294,400 *
28	81.5	146.2	273,600 *
30	80.6	145.8	255,500 *
32	79.8	145.5	239,500 *
34	79.0	145.1	225,300 *
36	78.1	144.6	212,600 *
38	77.3	144.1	201,100 *
40	76.4	143.6	190,800 *
42	75.6	143.1	181,400 *
44	74.7	142.5	172,100
46	73.9	141.9	160,900
48	73.0	141.3	151,000
50	72.2	140.7	142,100
55	70.0	138.9	123,500
60	67.8	136.8	108,900
65	65.5	134.6	97,000
70	63.3	132.1	87,200
75	60.9	129.3	78,900
80	58.5	126.3	71,800
85	56.1	123.0	65,700
90	53.5	119.3	60,400
95	50.9	115.3	55,700
100	48.2	110.9	51,600
105	45.3	106.1	47,900
110	42.3	100.7	44,500
115	39.1	94.7	41,500
120	35.7	87.9	38,800
125	31.9	80.2	36,300
130	27.7	71.2	34,000
140	16.3	45.2	26,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
26	82.8	156.6	265,500 *
28	82.0	156.3	261,400 *
30	81.3	156.0	254,900 *
32	80.5	155.6	238,900 *
34	79.7	155.3	224,700 *
36	78.9	154.8	212,000 *
38	78.2	154.4	200,600 *
40	77.4	153.9	190,200 *
42	76.6	153.5	180,800 *
44	75.8	152.9	171,900
46	75.0	152.4	160,700
48	74.2	151.8	150,700
50	73.4	151.2	141,900
55	71.4	149.5	123,300
60	69.4	147.6	108,600
65	67.3	145.6	96,700
70	65.2	143.3	86,800
75	63.0	140.8	78,500
80	60.9	138.0	71,500
85	58.6	135.0	65,400
90	56.3	131.7	60,000
95	54.0	128.1	55,400
100	51.6	124.2	51,200
105	49.1	119.9	47,500
110	46.4	115.2	44,200
115	43.7	110.1	41,200
120	40.8	104.4	38,400
125	37.7	98.1	35,900
130	34.4	91.0	33,600
135	30.8	82.9	31,500
140	26.7	73.5	29,300 *
145	21.9	62.0	26,000 *
150	15.7	46.5	22,400 *



Liftcrane Boom Capacities

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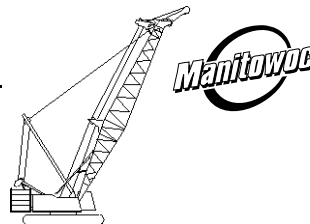
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999 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
28	82.5	166.4	236,000 *
30	81.8	166.1	236,000 *
32	81.1	165.8	236,000 *
34	80.4	165.4	224,300 *
36	79.6	165.1	211,600 *
38	78.9	164.6	200,100 *
40	78.2	164.2	189,800 *
42	77.4	163.7	180,400 *
44	76.7	163.3	171,700
46	76.0	162.7	160,500
48	75.2	162.2	150,600
50	74.5	161.6	141,700
55	72.6	160.1	123,100
60	70.7	158.3	108,300
65	68.8	156.4	96,400
70	66.8	154.3	86,600
75	64.9	152.0	78,300
80	62.9	149.4	71,200
85	60.8	146.7	65,100
90	58.7	143.6	59,800
95	56.6	140.4	55,100
100	54.4	136.8	50,900
105	52.1	133.0	47,200
110	49.8	128.8	43,900
115	47.4	124.3	40,900
120	44.9	119.3	38,100
125	42.2	113.9	35,600
130	39.4	108.0	33,300
135	36.5	101.4	31,200
140	33.3	94.0	29,300
145	29.8	85.6	27,500
150	25.8	75.7	25,100 *
155	21.2	63.8	22,100 *
160	15.2	47.8	18,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
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	219,800 *
36	80.3	175.2	211,200 *
38	79.6	174.9	199,800 *
40	78.9	174.4	189,400 *
42	78.2	174.0	180,000 *
44	77.5	173.6	171,400 *
46	76.8	173.1	160,400
48	76.1	172.6	150,400
50	75.4	172.0	141,500
55	73.7	170.6	122,900
60	71.9	168.9	108,200
65	70.1	167.1	96,200
70	68.3	165.2	86,400
75	66.4	163.0	78,100
80	64.6	160.6	71,000
85	62.7	158.1	64,900
90	60.8	155.3	59,500
95	58.8	152.3	54,900
100	56.8	149.1	50,700
105	54.7	145.6	47,000
110	52.6	141.8	43,700
115	50.4	137.7	40,600
120	48.2	133.3	37,900
125	45.9	128.5	35,400
130	43.4	123.3	33,100
135	40.9	117.6	31,000
140	38.2	111.4	29,100
145	35.3	104.5	27,300
150	32.2	96.8	25,600
155	28.8	88.1	24,000 *
160	25.0	77.9	21,400 *
165	20.5	65.6	18,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
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	204,700 *
38	80.2	185.0	199,300 *
40	79.5	184.6	189,000 *
42	78.9	184.2	179,600 *
44	78.2	183.8	171,000 *
46	77.6	183.4	160,200
48	76.9	182.9	150,200
50	76.2	182.4	141,300
55	74.6	181.0	122,600
60	72.9	179.5	107,900
65	71.2	177.8	95,900
70	69.5	175.9	86,100
75	67.8	173.9	77,800
80	66.1	171.7	70,700
85	64.3	169.3	64,600
90	62.5	166.8	59,200
95	60.7	164.0	54,500
100	58.9	161.0	50,400
105	57.0	157.8	46,700
110	55.0	154.3	43,300
115	53.0	150.6	40,300
120	51.0	146.6	37,600
125	48.9	142.3	35,100
130	46.7	137.6	32,800
135	44.5	132.6	30,700
140	42.1	127.1	28,800
145	39.7	121.2	27,000
150	37.1	114.7	25,300
155	34.3	107.6	23,700
160	31.3	99.6	22,300
165	28.0	90.6	20,300 *
170	24.3	80.0	18,000 *
175	19.9	67.3	15,700 *



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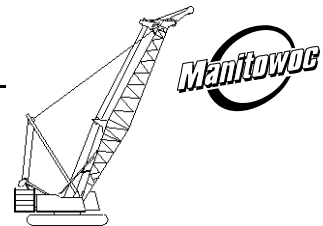
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190 Ft. BOOM			
32	82.5	196.2	196,800 *
34	81.9	195.9	193,600 *
36	81.3	195.5	190,500 *
38	80.7	195.2	184,500 *
40	80.1	194.8	177,000 *
42	79.4	194.4	170,300 *
44	78.8	194.0	164,200 *
46	78.2	193.6	158,700 *
48	77.6	193.2	150,000
50	77.0	192.7	141,100
55	75.4	191.4	122,400
60	73.9	189.9	107,600
65	72.3	188.4	95,600
70	70.7	186.6	85,700
75	69.1	184.7	77,400
80	67.4	182.7	70,300
85	65.8	180.4	64,200
90	64.1	178.0	58,800
95	62.4	175.4	54,100
100	60.7	172.6	50,000
105	58.9	169.6	46,200
110	57.1	166.4	42,900
115	55.3	163.0	39,900
120	53.4	159.3	37,200
125	51.5	155.4	34,700
130	49.5	151.2	32,400
135	47.5	146.7	30,300
140	45.4	141.8	28,300
145	43.2	136.5	26,500
150	40.9	130.9	24,800
155	38.5	124.7	23,300
160	36.0	118.0	21,800
165	33.3	110.6	20,500
170	30.4	102.3	19,100 *
175	27.2	93.0	17,000 *
180	23.6	82.1	15,000 *
185	19.4	68.9	12,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
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	176,400 *
40	80.6	205.0	172,200 *
42	80.0	204.6	165,600 *
44	79.4	204.2	159,600 *
46	78.8	203.8	154,100 *
48	78.2	203.4	149,200 *
50	77.6	203.0	140,800
55	76.2	201.7	122,100
60	74.7	200.4	107,300
65	73.2	198.9	95,300
70	71.7	197.2	85,400
75	70.2	195.4	77,100
80	68.6	193.5	69,900
85	67.1	191.4	63,800
90	65.5	189.1	58,500
95	63.9	186.7	53,800
100	62.3	184.1	49,600
105	60.6	181.3	45,900
110	59.0	178.3	42,500
115	57.3	175.1	39,500
120	55.5	171.7	36,800
125	53.8	168.1	34,300
130	52.0	164.2	32,000
135	50.1	160.1	29,900
140	48.2	155.6	27,900
145	46.2	150.9	26,100
150	44.2	145.8	24,500
155	42.1	140.4	22,900
160	39.8	134.5	21,500
165	37.5	128.1	20,100
170	35.1	121.1	18,800
175	32.4	113.4	17,600
180	29.6	104.9	15,900 *
185	26.5	95.3	14,000 *
190	23.0	84.1	12,100 *
195	18.9	70.6	10,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. BOOM			
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	164,500 *
42	80.5	214.8	160,800 *
44	79.9	214.4	155,000 *
46	79.4	214.0	149,600 *
48	78.8	213.6	144,800 *
50	78.2	213.2	140,300 *
55	76.8	212.0	121,800
60	75.4	210.8	107,000
65	74.0	209.3	95,000
70	72.6	207.8	85,100
75	71.1	206.1	76,800
80	69.7	204.2	69,700
85	68.2	202.2	63,500
90	66.7	200.1	58,200
95	65.2	197.8	53,500
100	63.7	195.4	49,300
105	62.2	192.7	45,600
110	60.6	189.9	42,200
115	59.0	187.0	39,200
120	57.4	183.8	36,500
125	55.8	180.4	34,000
130	54.1	176.8	31,700
135	52.4	173.0	29,600
140	50.6	168.9	27,600
145	48.8	164.6	25,800
150	46.9	160.0	24,200
155	45.0	155.1	22,600
160	43.0	149.8	21,200
165	41.0	144.1	19,800
170	38.8	138.0	18,500
175	36.6	131.4	17,300
180	34.2	124.2	16,200
185	31.6	116.3	14,700 *
190	28.9	107.5	13,000 *
195	25.8	97.5	11,300 *
200	22.4	86.0	9,600 *
205	18.4	72.1	7,800 *



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

Boom No. 82 or 22EL
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

999 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. BOOM			
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	153,200 *
44	80.4	224.6	150,500 *
46	79.8	224.2	145,300 *
48	79.3	223.8	140,500 *
50	78.8	223.4	136,100 *
55	77.5	222.3	121,500
60	76.1	221.1	106,700
65	74.8	219.7	94,700
70	73.4	218.3	84,800
75	72.0	216.6	76,400
80	70.7	214.9	69,300
85	69.3	213.0	63,100
90	67.9	211.0	57,800
95	66.4	208.8	53,100
100	65.0	206.5	48,900
105	63.6	204.0	45,200
110	62.1	201.4	41,800
115	60.6	198.6	38,800
120	59.1	195.6	36,100
125	57.5	192.5	33,600
130	56.0	189.1	31,300
135	54.4	185.6	29,200
140	52.7	181.8	27,200
145	51.1	177.8	25,400
150	49.4	173.5	23,800
155	47.6	169.0	22,200
160	45.8	164.2	20,800
165	43.9	159.1	19,400
170	42.0	153.6	18,100
175	40.0	147.7	16,900
180	37.9	141.4	15,800
185	35.7	134.6	14,700
190	33.4	127.1	13,500 *
195	30.9	119.0	11,900 *
200	28.2	110.0	10,300 *
205	25.2	99.7	8,700 *
210	21.9	87.9	7,200 *
215	17.9	73.7	5,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. BOOM			
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	137,500 *
46	80.3	234.4	137,100 *
48	79.8	234.0	135,800 *
50	79.3	233.6	132,500 *
55	78.0	232.6	121,200
60	76.7	231.4	106,400
65	75.4	230.1	94,300
70	74.1	228.7	84,400
75	72.8	227.2	76,000
80	71.5	225.5	68,900
85	70.2	223.7	62,700
90	68.9	221.8	57,400
95	67.5	219.7	52,600
100	66.2	217.5	48,500
105	64.8	215.2	44,700
110	63.4	212.7	41,400
115	62.0	210.1	38,400
120	60.6	207.3	35,600
125	59.1	204.3	33,100
130	57.6	201.1	30,800
135	56.1	197.8	28,700
140	54.6	194.3	26,800
145	53.1	190.6	25,000
150	51.5	186.6	23,300
155	49.9	182.4	21,700
160	48.2	178.0	20,300
165	46.5	173.3	18,900
170	44.7	168.3	17,600
175	42.9	163.0	16,400
180	41.0	157.3	15,300
185	39.1	151.3	14,300
190	37.0	144.7	13,200
195	34.9	137.7	12,000 *
200	32.6	130.1	10,500 *
205	30.2	121.7	9,000 *
210	27.5	112.4	7,600 *
215	24.6	101.9	6,200 *
220	21.4	89.8	4,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. BOOM			
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	124,200 *
50	79.7	243.8	123,700 *
55	78.5	242.8	119,500 *
60	77.3	241.7	106,000
65	76.1	240.5	94,000
70	74.8	239.1	84,000
75	73.6	237.6	75,600
80	72.3	236.1	68,500
85	71.1	234.4	62,300
90	69.8	232.5	57,000
95	68.5	230.6	52,200
100	67.2	228.5	48,100
105	65.9	226.3	44,300
110	64.6	223.9	41,000
115	63.3	221.4	37,900
120	61.9	218.7	35,200
125	60.5	215.9	32,700
130	59.2	213.0	30,400
135	57.7	209.8	28,300
140	56.3	206.5	26,300
145	54.9	203.0	24,500
150	53.4	199.3	22,900
155	51.9	195.4	21,300
160	50.3	191.3	19,900
165	48.7	187.0	18,500
170	47.1	182.4	17,200
175	45.4	177.5	16,000
180	43.7	172.3	14,900
185	41.9	166.8	13,800
190	40.1	161.0	12,800
195	38.2	154.7	11,900
200	36.2	148.0	10,700 *
205	34.1	140.8	9,300 *
210	31.9	132.9	7,900 *
220	26.9	114.7	5,300 *



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

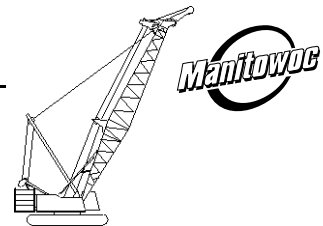
Boom No. 82 or 22EL
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing

999 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250 Ft. BOOM			
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	112,200 *
55	79.0	253.0	111,100 *
60	77.8	252.0	106,400
65	76.6	250.8	94,400
70	75.4	249.5	84,400
75	74.3	248.1	76,000
80	73.1	246.6	68,900
85	71.9	244.9	62,700
90	70.6	243.2	57,300
95	69.4	241.3	52,600
100	68.2	239.3	48,400
105	66.9	237.2	44,700
110	65.7	235.0	41,300
115	64.4	232.6	38,300
120	63.1	230.1	35,500
125	61.8	227.4	33,000
130	60.5	224.6	30,700
135	59.2	221.6	28,600
140	57.8	218.5	26,700
145	56.5	215.2	24,900
150	55.1	211.7	23,200
155	53.6	208.1	21,700
160	52.2	204.2	20,200
165	50.7	200.2	18,900
170	49.2	195.9	17,600
175	47.7	191.4	16,400
180	46.1	186.6	15,300
185	44.5	181.6	14,200
190	42.8	176.2	13,200
195	41.1	170.6	12,200
200	39.3	164.5	11,300
205	37.4	158.1	10,400 *
210	35.4	151.2	9,100 *
215	33.4	143.7	7,800 *
220	31.2	135.7	6,500 *
225	28.9	126.8	5,300 *
230	26.4	117.1	4,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. BOOM			
40	82.8	265.7	104,300 *
42	82.3	265.4	103,900 *
44	81.9	265.1	103,600 *
46	81.4	264.8	103,200 *
48	81.0	264.5	102,800 *
50	80.5	264.2	102,400 *
55	79.4	263.2	101,400 *
60	78.3	262.2	100,300 *
65	77.2	261.1	94,000
70	76.0	259.8	84,000
75	74.9	258.5	75,600
80	73.7	257.0	68,500
85	72.6	255.5	62,300
90	71.4	253.8	56,900
95	70.2	252.0	52,200
100	69.1	250.1	48,000
105	67.9	248.1	44,300
110	66.7	245.9	40,900
115	65.5	243.7	37,900
120	64.2	241.3	35,100
125	63.0	238.7	32,600
130	61.8	236.1	30,300
135	60.5	233.2	28,200
140	59.2	230.3	26,300
145	57.9	227.2	24,500
150	56.6	223.9	22,800
155	55.3	220.4	21,200
160	53.9	216.8	19,800
165	52.5	213.0	18,400
170	51.1	209.0	17,100
175	49.7	204.8	16,000
180	48.2	200.4	14,800
185	46.7	195.7	13,800
190	45.1	190.8	12,800
195	43.5	185.6	11,800
200	41.9	180.1	10,900
205	40.2	174.2	10,100
210	38.5	168.0	9,100 *
215	36.6	161.4	7,800 *
220	34.7	154.3	6,600 *
225	32.7	146.7	5,400 *
230	30.6	138.4	4,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270 Ft. BOOM			
40	83.0	275.8	95,100 *
42	82.6	275.5	94,800 *
44	82.2	275.2	94,400 *
46	81.7	274.9	94,100 *
48	81.3	274.6	93,700 *
50	80.9	274.3	93,300 *
55	79.8	273.4	92,400 *
60	78.7	272.4	91,400 *
65	77.6	271.3	90,300 *
70	76.5	270.1	83,600
75	75.5	268.8	75,200
80	74.4	267.5	68,100
85	73.2	266.0	61,900
90	72.1	264.4	56,500
95	71.0	262.6	51,800
100	69.9	260.8	47,600
105	68.7	258.9	43,800
110	67.6	256.8	40,400
115	66.4	254.7	37,400
120	65.3	252.4	34,600
125	64.1	249.9	32,100
130	62.9	247.4	29,800
135	61.7	244.7	27,700
140	60.5	241.9	25,800
145	59.2	238.9	24,000
150	58.0	235.8	22,300
155	56.7	232.6	20,700
160	55.4	229.2	19,300
165	54.1	225.6	17,900
170	52.8	221.8	16,600
175	51.5	217.8	15,400
180	50.1	213.7	14,300
185	48.7	209.3	13,300
190	47.2	204.7	12,300
195	45.8	199.9	11,300
200	44.2	194.8	10,400
205	42.7	189.5	9,500
210	41.1	183.8	8,700
215	39.4	177.8	7,600 *
220	37.7	171.4	6,400 *
225	35.9	164.6	5,300 *
230	34.0	157.3	4,200 *



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

Boom No. 82 or 22EL

184,600 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

Rating Over End of Blocked Crawlers

No Travel - Limited Swing

999 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
280 Ft. BOOM			
42	82.9	285.6	85,800 *
44	82.5	285.3	85,500 *
46	82.0	285.1	85,200 *
48	81.6	284.8	84,800 *
50	81.2	284.4	84,500 *
55	80.2	283.6	83,600 *
60	79.1	282.6	82,700 *
65	78.1	281.6	81,800 *
70	77.0	280.4	80,800 *
75	76.0	279.2	74,800
80	74.9	277.8	67,700
85	73.9	276.4	61,500
90	72.8	274.9	56,100
95	71.7	273.2	51,300
100	70.6	271.5	47,100
105	69.5	269.6	43,400
110	68.4	267.6	40,000
115	67.3	265.6	37,000
120	66.2	263.4	34,200
125	65.1	261.1	31,700
130	63.9	258.6	29,400
135	62.8	256.1	27,300
140	61.6	253.4	25,300
145	60.5	250.6	23,500
150	59.3	247.6	21,800
155	58.1	244.5	20,300
160	56.8	241.3	18,800
165	55.6	237.9	17,500
170	54.4	234.3	16,200
175	53.1	230.6	15,000
180	51.8	226.7	13,900
185	50.5	222.6	12,800
190	49.1	218.3	11,800
195	47.7	213.8	10,900
200	46.3	209.0	10,000
205	44.9	204.0	9,100
210	43.4	198.8	8,300
215	41.9	193.3	7,500 *
220	40.3	187.5	6,300 *
230	37.0	174.7	4,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
290 Ft. BOOM			
44	82.7	295.4	78,200 *
46	82.3	295.2	77,900 *
48	81.9	294.9	77,600 *
50	81.5	294.6	77,200 *
55	80.5	293.7	76,400 *
60	79.5	292.8	75,500 *
65	78.5	291.8	74,600 *
70	77.5	290.7	73,700 *
75	76.5	289.5	72,700 *
80	75.5	288.2	67,300
85	74.4	286.8	61,100
90	73.4	285.3	55,700
95	72.4	283.8	50,900
100	71.3	282.1	46,700
105	70.3	280.3	43,000
110	69.2	278.4	39,600
115	68.2	276.4	36,600
120	67.1	274.3	33,800
125	66.0	272.1	31,300
130	64.9	269.8	29,000
135	63.8	267.3	26,900
140	62.7	264.7	24,900
145	61.6	262.0	23,100
150	60.4	259.2	21,400
155	59.3	256.3	19,900
160	58.1	253.2	18,400
165	57.0	249.9	17,100
170	55.8	246.6	15,800
175	54.6	243.0	14,600
180	53.3	239.3	13,500
185	52.1	235.5	12,400
190	50.8	231.4	11,400
195	49.5	227.2	10,400
200	48.2	222.7	9,500
205	46.8	218.1	8,700
210	45.5	213.2	7,900
215	44.0	208.1	7,100
220	42.6	202.7	6,200 *
225	41.1	197.0	5,000 *
230	39.6	191.0	4,000 *