

Liftcrane Boom Capacities

Boom No. 22E With Open Throat Top
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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. Capacities based on structural competence are denoted by an asterisk (*).

Upper boom point capacity for liftcrane service with single part whip line or combination of two single part lines is 29,500 Lbs. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

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. Refer to boom rigging **No. 196151** and Wire Rope Specification chart **No. 8391-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8392-A**.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

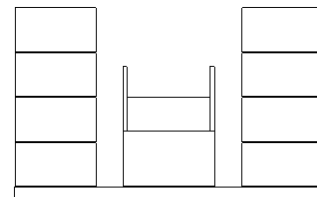
BOOM POINT ELEVATION: Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 28 Ft. 2 in. crawlers, 48 in. treads, 10 Ft. 3 in. retractable gantry, 30 Ft. live mast, 20 part boom hoist reeving, four 1-3/8 in. boom pendants, 184,600 Lb. crane counterweight and two 22,000 Lb. carbody counterweights.

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

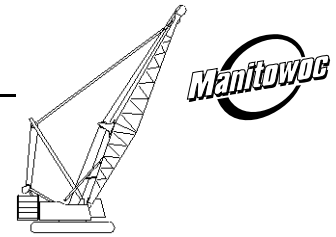
Auxiliary Drum Deduct
Deduct 4,000 Lbs. from boom capacities when boom butt is equipped with auxiliary drum.

Deduct From Capacities When Jib Is Attached	
Jib Length	Jib No. 123
30 Ft.	2,500 Lbs.
40 Ft.	3,100 Lbs.
50 Ft.	3,700 Lbs.
60 Ft.	4,400 Lbs.



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

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



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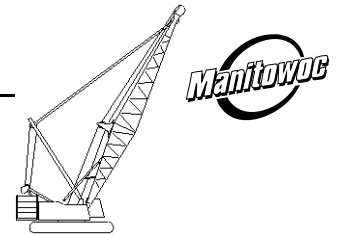
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**Boom No. 22E With Open Throat Top
 184,600 Lb. Crane Counterweight
 44,000 Lb. Carbody Counterweight
 360 Degree Rating**

999 SERIES 2

Maximum Boom And Jib Lengths Lifted Unassisted Without Auxiliary Drum In Boom Butt			
Over End Of Blocked Crawlers		Over Side Of Crawlers	
Boom Length	Jib No. 123	Boom Length	Jib No. 123
(a) 290 Ft.	—	(a) 260 Ft.	—
280 Ft.	—	250 Ft.	—
(b) 270 Ft.	30 Ft.	240 Ft.	50 Ft.
260 Ft.	60 Ft.	230 Ft.	60 Ft.
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 290 Ft. boom or over side of crawlers on 260 Ft. boom. (b) When boom catwalks are attached, machine must be equipped with optional lowerworks jacking cylinders.			

Maximum Boom and Jib Lengths Lifted Unassisted With Auxiliary Drum In Boom Butt			
Over End Of Blocked Crawlers		Over Side Of Crawlers	
Boom Length	Jib No. 123	Boom Length	Jib No. 123
(a) 280 Ft.	—	250 Ft.	—
270 Ft.	—	240 Ft.	40 Ft.
260 Ft.	40 Ft.	230 Ft.	60 Ft.
(b) 260 Ft.	50 Ft.		
250 Ft.	60 Ft.		
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 280 Ft. boom. (b) When boom catwalks are attached, 50 Ft. jib on 260 Ft. boom cannot be raised.			



Liftcrane Boom Capacities

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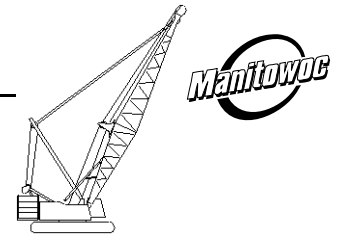
Boom No. 22E With Open Throat Top
184,600 Lb. Crane Counterweight
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999 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. BOOM			
15	81.8	77.4	460,000 *
16	81.0	77.2	434,600 *
17	80.1	77.0	410,800 *
18	79.3	76.9	389,300 *
19	78.5	76.7	370,000 *
20	77.6	76.4	352,400 *
22	75.9	76.0	321,600 *
24	74.3	75.4	295,600 *
26	72.5	74.8	273,300 *
28	70.8	74.2	254,000 *
30	69.1	73.5	237,200 *
32	67.3	72.7	218,300
34	65.5	71.8	199,100
36	63.7	70.8	183,000
38	61.9	69.8	169,100
40	60.0	68.7	157,000
42	58.1	67.5	146,500
44	56.1	66.2	137,200
46	54.1	64.8	128,900
48	52.1	63.3	121,500
50	50.0	61.7	114,800
55	44.4	57.1	100,700
60	38.2	51.4	89,400
65	31.0	44.1	80,200
70	21.8	34.0	72,400
80 Ft. BOOM			
17	81.4	87.2	410,100 *
18	80.6	87.0	388,700 *
19	79.9	86.8	369,300 *
20	79.2	86.7	351,800 *
22	77.7	86.2	321,000 *
24	76.3	85.8	295,000 *
26	74.8	85.3	272,700 *
28	73.3	84.7	253,400 *
30	71.8	84.1	236,500 *
32	70.3	83.4	218,400
34	68.7	82.6	199,200
36	67.2	81.8	183,000
38	65.6	80.9	169,100
40	64.1	80.0	157,000
42	62.5	79.0	146,400
44	60.8	77.9	137,100
46	59.2	76.8	128,800
48	57.5	75.5	121,400
50	55.8	74.2	114,700
55	51.3	70.5	100,600
60	46.6	66.2	89,300
65	41.4	61.0	80,100
70	35.7	54.7	72,300
75	29.0	46.8	65,700
80	20.4	35.9	60,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
18	81.7	97.1	378,000 *
19	81.1	97.0	368,600 *
20	80.4	96.8	351,000 *
22	79.1	96.4	320,300 *
24	77.8	96.0	294,200 *
26	76.5	95.6	272,000 *
28	75.2	95.1	252,700 *
30	73.9	94.5	235,800 *
32	72.5	93.9	218,300
34	71.2	93.3	199,100
36	69.9	92.6	182,900
38	68.5	91.8	168,900
40	67.1	91.0	156,800
42	65.7	90.1	146,300
44	64.3	89.2	136,900
46	62.9	88.2	128,600
48	61.5	87.1	121,200
50	60.0	86.0	114,500
55	56.3	82.9	100,400
60	52.3	79.3	89,100
65	48.2	75.2	79,800
70	43.8	70.3	72,100
75	38.9	64.6	65,500
80	33.6	57.8	59,900
85	27.3	49.3	54,900
90	19.2	37.6	50,600
100 Ft. BOOM			
19	82.0	107.1	364,000 *
20	81.4	106.9	350,600 *
22	80.2	106.6	319,800 *
24	79.0	106.2	293,800 *
26	77.9	105.8	271,500 *
28	76.7	105.4	252,200 *
30	75.5	104.9	235,300 *
32	74.3	104.4	218,400
34	73.1	103.8	199,200
36	71.9	103.1	182,900
38	70.7	102.5	168,900
40	69.5	101.7	156,800
42	68.3	101.0	146,200
44	67.0	100.2	136,900
46	65.8	99.3	128,600
48	64.5	98.4	121,100
50	63.3	97.4	114,400
55	60.0	94.7	100,300
60	56.6	91.6	88,900
65	53.1	88.1	79,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
70	49.5	84.1	71,900
75	45.6	79.5	65,300
80	41.4	74.2	59,700
85	36.9	68.1	54,800
90	31.8	60.7	50,500
95	25.8	51.7	46,700
100	18.2	39.3	43,200
110 Ft. BOOM			
22	81.1	116.7	314,400 *
24	80.1	116.4	292,900 *
26	79.0	116.0	270,700 *
28	77.9	115.6	251,400 *
30	76.9	115.2	234,500 *
32	75.8	114.7	218,300
34	74.7	114.2	199,000
36	73.6	113.6	182,700
38	72.5	113.0	168,700
40	71.4	112.4	156,500
42	70.3	111.7	145,900
44	69.2	110.9	136,500
46	68.1	110.1	128,200
48	67.0	109.3	120,800
50	65.9	108.4	114,100
55	63.0	106.0	99,900
60	60.0	103.3	88,500
65	56.9	100.3	79,200
70	53.8	96.8	71,500
75	50.5	92.9	64,900
80	47.0	88.5	59,300
85	43.3	83.6	54,400
90	39.4	77.9	50,100
95	35.1	71.3	46,300
100	30.3	63.5	42,900
105	24.6	53.9	39,900
110	17.3	40.9	37,100



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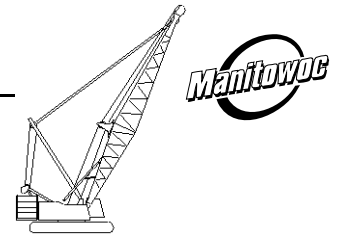
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184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

999 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
22	81.9	126.9	305,900 *
24	80.9	126.6	292,300 *
26	79.9	126.2	270,000 *
28	78.9	125.8	250,700 *
30	78.0	125.4	233,800 *
32	77.0	125.0	218,000
34	76.0	124.5	198,700
36	75.0	124.0	182,400
38	74.0	123.4	168,400
40	73.0	122.9	156,300
42	72.0	122.2	145,600
44	71.0	121.6	136,300
46	70.0	120.8	127,900
48	69.0	120.1	120,500
50	68.0	119.3	113,800
55	65.4	117.2	99,600
60	62.7	114.7	88,200
65	60.0	112.0	79,000
70	57.2	108.9	71,200
75	54.3	105.5	64,600
80	51.3	101.7	59,000
85	48.2	97.5	54,100
90	44.9	92.8	49,800
95	41.4	87.4	46,100
100	37.7	81.4	42,700
105	33.6	74.4	39,600
110	29.0	66.2	36,900
115	23.6	56.0	34,400
120	16.6	42.3	32,100
130 Ft. BOOM			
24	81.6	136.7	277,300 *
26	80.7	136.4	269,600 *
28	79.8	136.0	250,400 *
30	78.9	135.6	233,500 *
32	78.0	135.2	218,100
34	77.1	134.8	198,800
36	76.2	134.3	182,400
38	75.3	133.8	168,400
40	74.4	133.3	156,300
42	73.5	132.7	145,600
44	72.5	132.1	136,200
46	71.6	131.4	127,900
48	70.7	130.8	120,400
50	69.7	130.0	113,700
55	67.4	128.1	99,500
60	65.0	125.9	88,200
65	62.5	123.4	78,900
70	60.0	120.7	71,100
75	57.4	117.6	64,500
80	54.8	114.3	58,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
85	52.0	110.5	54,000
90	49.2	106.4	49,700
95	46.2	101.9	46,000
100	43.0	96.8	42,600
105	39.7	91.1	39,600
110	36.1	84.7	36,800
115	32.2	77.4	34,400
120	27.8	68.7	32,100
125	22.6	58.1	30,000
130	15.9	43.8	28,100
140 Ft. BOOM			
26	81.4	146.5	260,300 *
28	80.5	146.2	249,700 *
30	79.7	145.8	232,800 *
32	78.9	145.4	217,800
34	78.0	145.0	198,500
36	77.2	144.6	182,100
38	76.4	144.1	168,100
40	75.5	143.6	155,900
42	74.7	143.1	145,300
44	73.8	142.5	135,900
46	73.0	141.9	127,600
48	72.1	141.3	120,100
50	71.3	140.6	113,400
55	69.1	138.8	99,200
60	66.9	136.8	87,800
65	64.6	134.6	78,500
70	62.3	132.1	70,800
75	60.0	129.3	64,200
80	57.6	126.3	58,600
85	55.2	123.0	53,700
90	52.6	119.3	49,400
95	50.0	115.3	45,600
100	47.3	110.9	42,300
105	44.4	106.0	39,200
110	41.4	100.7	36,500
115	38.2	94.7	34,100
120	34.8	87.9	31,800
125	31.0	80.2	29,700
130	26.8	71.1	27,900
135	21.8	60.0	26,100
140	15.4	45.2	24,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
26	82.0	156.6	240,500 *
28	81.2	156.3	235,500 *
30	80.4	156.0	230,700 *
32	79.6	155.6	217,100 *
34	78.9	155.2	198,300
36	78.1	154.8	181,900
38	77.3	154.4	167,800
40	76.5	153.9	155,600
42	75.7	153.4	145,000
44	74.9	152.9	135,600
46	74.1	152.4	127,200
48	73.3	151.8	119,700
50	72.5	151.2	113,000
55	70.5	149.5	98,800
60	68.5	147.6	87,400
65	66.4	145.5	78,100
70	64.3	143.3	70,300
75	62.2	140.7	63,700
80	60.0	138.0	58,100
85	57.8	135.0	53,200
90	55.5	131.7	48,900
95	53.1	128.1	45,100
100	50.7	124.2	41,800
105	48.2	119.9	38,700
110	45.6	115.2	36,000
115	42.8	110.0	33,600
120	39.9	104.4	31,300
125	36.9	98.1	29,300
130	33.6	91.0	27,400
135	29.9	82.9	25,600
140	25.8	73.5	24,000
145	21.0	61.9	22,500



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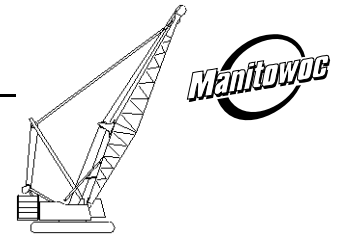
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184,600 Lb. Crane Counterweight
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999 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
28	81.7	166.4	225,000 *
30	81.0	166.1	220,500 *
32	80.3	165.8	216,100 *
34	79.6	165.4	197,900
36	78.8	165.0	181,500
38	78.1	164.6	167,500
40	77.4	164.2	155,300
42	76.6	163.7	144,600
44	75.9	163.2	135,200
46	75.2	162.7	126,800
48	74.4	162.2	119,300
50	73.7	161.6	112,600
55	71.8	160.1	98,400
60	69.9	158.3	87,000
65	68.0	156.4	77,700
70	66.0	154.3	69,900
75	64.1	151.9	63,300
80	62.0	149.4	57,700
85	60.0	146.6	52,800
90	57.9	143.6	48,500
95	55.8	140.4	44,700
100	53.6	136.8	41,400
105	51.3	133.0	38,300
110	49.0	128.8	35,600
115	46.6	124.3	33,200
120	44.0	119.3	30,900
125	41.4	113.9	28,900
130	38.6	107.9	27,000
135	35.7	101.3	25,300
140	32.5	93.9	23,700
145	29.0	85.5	22,200
150	25.0	75.7	20,800
155	20.4	63.7	19,400
170 Ft. BOOM			
30	81.5	176.2	208,300 *
32	80.9	175.9	204,500 *
34	80.2	175.6	197,700
36	79.5	175.2	181,300
38	78.8	174.8	167,200
40	78.1	174.4	155,000
42	77.4	174.0	144,400
44	76.7	173.5	135,000
46	76.0	173.1	126,600
48	75.3	172.5	119,100
50	74.7	172.0	112,400
55	72.9	170.5	98,100
60	71.1	168.9	86,700
65	69.3	167.1	77,400
70	67.5	165.2	69,600
75	65.7	163.0	63,000
80	63.8	160.6	57,400
85	61.9	158.1	52,500
90	60.0	155.3	48,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
95	58.0	152.3	44,400
100	56.0	149.0	41,100
105	54.0	145.5	38,100
110	51.9	141.8	35,400
115	49.7	137.7	32,900
120	47.4	133.3	30,700
125	45.1	128.5	28,600
130	42.7	123.3	26,700
135	40.1	117.6	25,000
140	37.4	111.4	23,400
145	34.6	104.5	21,900
150	31.5	96.8	20,500
155	28.1	88.1	19,200
160	24.2	77.9	18,000
165	19.7	65.5	16,900
180 Ft. BOOM			
30	82.0	186.3	197,700 *
32	81.4	186.0	194,200 *
34	80.7	185.7	190,800 *
36	80.1	185.4	181,000
38	79.4	185.0	166,900
40	78.8	184.6	154,700
42	78.1	184.2	144,000
44	77.5	183.8	134,600
46	76.8	183.3	126,200
48	76.2	182.9	118,700
50	75.5	182.4	112,000
55	73.9	181.0	97,700
60	72.2	179.5	86,300
65	70.5	177.8	77,000
70	68.8	175.9	69,200
75	67.1	173.9	62,600
80	65.4	171.7	57,000
85	63.6	169.3	52,100
90	61.8	166.7	47,800
95	60.0	164.0	44,000
100	58.1	161.0	40,700
105	56.3	157.7	37,600
110	54.3	154.3	34,900
115	52.3	150.5	32,500
120	50.3	146.5	30,200
125	48.2	142.2	28,200
130	46.0	137.6	26,300
135	43.8	132.6	24,600
140	41.4	127.1	23,000
145	38.9	121.2	21,500
150	36.3	114.7	20,100
155	33.6	107.6	18,900
160	30.6	99.6	17,600
165	27.3	90.5	16,500
170	23.6	80.0	15,400
175	19.2	67.2	14,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
32	81.8	196.1	181,000 *
34	81.2	195.8	178,100 *
36	80.6	195.5	175,200 *
38	80.0	195.2	166,600
40	79.4	194.8	154,400
42	78.8	194.4	143,700
44	78.2	194.0	134,300
46	77.5	193.6	125,900
48	76.9	193.1	118,300
50	76.3	192.7	111,600
55	74.7	191.4	97,300
60	73.2	189.9	85,900
65	71.6	188.3	76,500
70	70.0	186.6	68,800
75	68.4	184.7	62,200
80	66.8	182.6	56,500
85	65.1	180.4	51,600
90	63.4	178.0	47,300
95	61.7	175.4	43,500
100	60.0	172.6	40,200
105	58.2	169.6	37,100
110	56.5	166.4	34,400
115	54.6	163.0	32,000
120	52.8	159.3	29,700
125	50.8	155.4	27,700
130	48.9	151.2	25,800
135	46.8	146.6	24,100
140	44.7	141.8	22,500
145	42.5	136.5	21,000
150	40.3	130.8	19,600
155	37.9	124.7	18,300
160	35.3	118.0	17,100
165	32.6	110.5	16,000
170	29.7	102.3	14,900
175	26.5	92.9	13,900
180	22.9	82.1	13,000
185	18.7	68.9	12,100



Liftcrane Boom Capacities

Meets
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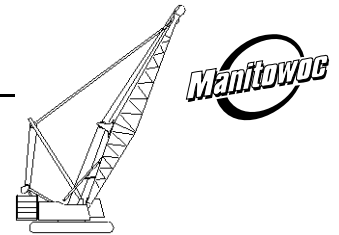
Boom No. 22E With Open Throat Top
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

999 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	81.7	206.0	168,000 *
36	81.1	205.7	165,400 *
38	80.5	205.3	162,800 *
40	79.9	205.0	154,000
42	79.3	204.6	143,300
44	78.8	204.2	133,800
46	78.2	203.8	125,400
48	77.6	203.4	117,900
50	77.0	202.9	111,200
55	75.5	201.7	96,900
60	74.0	200.4	85,500
65	72.5	198.9	76,100
70	71.0	197.2	68,300
75	69.5	195.4	61,700
80	68.0	193.5	56,100
85	66.4	191.4	51,200
90	64.8	189.1	46,900
95	63.3	186.7	43,100
100	61.6	184.1	39,700
105	60.0	181.3	36,700
110	58.3	178.3	34,000
115	56.6	175.1	31,500
120	54.9	171.7	29,300
125	53.1	168.1	27,200
130	51.3	164.2	25,400
135	49.5	160.1	23,600
140	47.5	155.6	22,000
145	45.6	150.9	20,500
150	43.5	145.8	19,200
155	41.4	140.4	17,900
160	39.2	134.5	16,700
165	36.9	128.1	15,600
170	34.4	121.1	14,500
175	31.8	113.4	13,500
180	29.0	104.9	12,600
185	25.8	95.2	11,700
190	22.3	84.1	10,800
195	18.2	70.5	10,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. BOOM			
36	81.5	215.8	157,000 *
38	81.0	215.5	154,800 *
40	80.4	215.1	152,600 *
42	79.9	214.8	143,000
44	79.3	214.4	133,500
46	78.7	214.0	125,100
48	78.2	213.6	117,600
50	77.6	213.2	110,900
55	76.2	212.0	96,600
60	74.8	210.7	85,100
65	73.4	209.3	75,800
70	72.0	207.8	68,000
75	70.5	206.1	61,400
80	69.1	204.2	55,700
85	67.6	202.2	50,800
90	66.1	200.1	46,500
95	64.6	197.8	42,700
100	63.1	195.4	39,400
105	61.6	192.7	36,300
110	60.0	189.9	33,600
115	58.4	187.0	31,200
120	56.8	183.8	28,900
125	55.2	180.4	26,900
130	53.5	176.8	25,000
135	51.8	173.0	23,300
140	50.0	168.9	21,700
145	48.2	164.6	20,200
150	46.3	160.0	18,800
155	44.4	155.0	17,600
160	42.4	149.8	16,400
165	40.4	144.1	15,200
170	38.2	138.0	14,200
175	36.0	131.4	13,200
180	33.6	124.2	12,300
185	31.0	116.2	11,400
190	28.2	107.4	10,500
195	25.2	97.5	9,700
200	21.8	86.0	9,000
205	17.8	72.1	8,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. BOOM			
36	81.9	225.9	148,800 *
38	81.4	225.6	146,700 *
40	80.8	225.3	144,600 *
42	80.3	224.9	142,600 *
44	79.8	224.6	133,100
46	79.3	224.2	124,700
48	78.7	223.8	117,200
50	78.2	223.4	110,400
55	76.9	222.3	96,100
60	75.5	221.1	84,700
65	74.2	219.7	75,300
70	72.8	218.2	67,500
75	71.4	216.6	60,900
80	70.1	214.9	55,300
85	68.7	213.0	50,400
90	67.3	211.0	46,100
95	65.9	208.8	42,300
100	64.4	206.5	38,900
105	63.0	204.0	35,900
110	61.5	201.4	33,200
115	60.0	198.6	30,700
120	58.5	195.6	28,500
125	56.9	192.5	26,400
130	55.4	189.1	24,600
135	53.8	185.6	22,800
140	52.1	181.8	21,200
145	50.5	177.8	19,800
150	48.8	173.5	18,400
155	47.0	169.0	17,100
160	45.2	164.2	15,900
165	43.3	159.1	14,800
170	41.4	153.6	13,700
175	39.4	147.7	12,700
180	37.3	141.4	11,800
185	35.1	134.6	10,900
190	32.8	127.1	10,100
195	30.3	119.0	9,300
200	27.6	109.9	8,600
205	24.6	99.7	7,800
210	21.3	87.9	7,100
215	17.3	73.6	6,500



Liftcrane Boom Capacities

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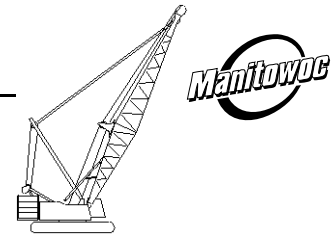
Boom No. 22E With Open Throat Top
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

999 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. BOOM			
38	81.8	235.7	135,000 *
40	81.2	235.4	134,200 *
42	80.7	235.1	132,400 *
44	80.2	234.7	130,600 *
46	79.7	234.4	124,400
48	79.2	234.0	116,900
50	78.7	233.6	110,100
55	77.4	232.6	95,800
60	76.2	231.4	84,300
65	74.9	230.1	74,900
70	73.6	228.7	67,100
75	72.3	227.2	60,500
80	71.0	225.5	54,800
85	69.6	223.7	49,900
90	68.3	221.8	45,600
95	67.0	219.7	41,800
100	65.6	217.5	38,400
105	64.2	215.2	35,400
110	62.8	212.7	32,700
115	61.4	210.1	30,200
120	60.0	207.3	28,000
125	58.6	204.3	25,900
130	57.1	201.1	24,000
135	55.6	197.8	22,300
140	54.1	194.3	20,700
145	52.5	190.6	19,200
150	50.9	186.6	17,900
155	49.3	182.4	16,600
160	47.6	178.0	15,400
165	45.9	173.3	14,300
170	44.2	168.3	13,200
175	42.3	163.0	12,200
180	40.5	157.3	11,300
185	38.5	151.2	10,400
190	36.5	144.7	9,600
195	34.3	137.7	8,800
200	32.0	130.0	8,000
205	29.6	121.6	7,300
210	27.0	112.4	6,600
215	24.1	101.9	6,000
220	20.8	89.8	5,300
225	17.0	75.2	4,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. BOOM			
40	81.6	245.5	122,500 *
42	81.1	245.2	122,100 *
44	80.6	244.9	121,700 *
46	80.2	244.5	121,300 *
48	79.7	244.2	116,500
50	79.2	243.8	109,700
55	78.0	242.8	95,400
60	76.8	241.7	83,900
65	75.5	240.4	74,500
70	74.3	239.1	66,700
75	73.0	237.6	60,100
80	71.8	236.0	54,400
85	70.5	234.3	49,500
90	69.3	232.5	45,200
95	68.0	230.6	41,400
100	66.7	228.5	38,000
105	65.4	226.2	35,000
110	64.1	223.9	32,300
115	62.7	221.4	29,800
120	61.4	218.7	27,500
125	60.0	215.9	25,500
130	58.6	212.9	23,600
135	57.2	209.8	21,900
140	55.8	206.5	20,300
145	54.3	203.0	18,800
150	52.8	199.3	17,400
155	51.3	195.4	16,200
160	49.8	191.3	15,000
165	48.2	187.0	13,800
170	46.6	182.4	12,800
175	44.9	177.5	11,800
180	43.2	172.3	10,900
185	41.4	166.8	10,000
190	39.6	161.0	9,200
195	37.7	154.7	8,400
200	35.7	148.0	7,600
205	33.6	140.7	6,900
210	31.3	132.9	6,200
215	29.0	124.3	5,600
220	26.4	114.7	5,000
225	23.6	104.0	4,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250 Ft. BOOM			
40	82.0	255.6	110,900 *
42	81.5	255.3	110,500 *
44	81.0	255.0	110,100 *
46	80.6	254.7	109,800 *
48	80.1	254.3	109,400 *
50	79.6	254.0	109,000 *
55	78.5	253.0	95,000
60	77.3	251.9	83,600
65	76.1	250.8	74,200
70	74.9	249.5	66,300
75	73.7	248.1	59,700
80	72.5	246.6	54,000
85	71.3	244.9	49,100
90	70.1	243.2	44,800
95	68.9	241.3	41,000
100	67.7	239.3	37,600
105	66.4	237.2	34,600
110	65.2	235.0	31,900
115	63.9	232.6	29,400
120	62.6	230.0	27,200
125	61.3	227.4	25,100
130	60.0	224.6	23,200
135	58.7	221.6	21,500
140	57.3	218.5	19,900
145	55.9	215.2	18,400
150	54.5	211.7	17,100
155	53.1	208.1	15,800
160	51.7	204.2	14,600
165	50.2	200.2	13,500
170	48.7	195.9	12,400
175	47.2	191.4	11,400
180	45.6	186.6	10,500
185	43.9	181.6	9,600
190	42.3	176.2	8,800
195	40.5	170.5	8,000
200	38.7	164.5	7,200
205	36.9	158.1	6,500
210	34.9	151.2	5,900
215	32.9	143.7	5,200
220	30.7	135.6	4,600
225	28.4	126.8	4,000



Liftcrane Boom Capacities

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Boom No. 22E With Open Throat Top
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

999 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. BOOM			
42	81.8	265.4	101,000 *
44	81.4	265.1	100,600 *
46	80.9	264.8	100,200 *
48	80.5	264.5	99,900 *
50	80.0	264.1	99,500 *
55	78.9	263.2	94,600
60	77.8	262.2	83,100
65	76.7	261.1	73,700
70	75.5	259.8	65,900
75	74.4	258.5	59,300
80	73.2	257.0	53,600
85	72.1	255.5	48,700
90	70.9	253.8	44,300
95	69.7	252.0	40,500
100	68.6	250.1	37,200
105	67.4	248.1	34,100
110	66.2	245.9	31,400
115	65.0	243.7	28,900
120	63.7	241.3	26,700
125	62.5	238.7	24,600
130	61.3	236.0	22,800
135	60.0	233.2	21,000
140	58.7	230.3	19,400
145	57.4	227.2	18,000
150	56.1	223.9	16,600
155	54.8	220.4	15,300
160	53.4	216.8	14,100
165	52.0	213.0	13,000
170	50.6	209.0	11,900
175	49.2	204.8	10,900
180	47.7	200.4	10,000
185	46.2	195.7	9,100
190	44.6	190.8	8,300
195	43.0	185.6	7,500
200	41.4	180.0	6,800
205	39.7	174.2	6,100
210	38.0	168.0	5,400
215	36.1	161.4	4,700
220	34.2	154.3	4,100
270 Ft. BOOM			
44	81.7	275.2	91,900 *
46	81.3	274.9	91,500 *
48	80.8	274.6	91,200 *
50	80.4	274.3	90,800 *
55	79.3	273.4	89,900 *
60	78.2	272.4	82,700
65	77.2	271.3	73,300
70	76.1	270.1	65,500
75	75.0	268.8	58,800
80	73.9	267.4	53,100
85	72.8	265.9	48,200
90	71.7	264.3	43,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270 Ft. BOOM			
95	70.5	262.6	40,000
100	69.4	260.8	36,700
105	68.3	258.9	33,600
110	67.1	256.8	30,900
115	66.0	254.6	28,400
120	64.8	252.4	26,200
125	63.6	249.9	24,100
130	62.4	247.4	22,200
135	61.2	244.7	20,500
140	60.0	241.9	18,900
145	58.8	238.9	17,400
150	57.5	235.8	16,000
155	56.3	232.6	14,800
160	55.0	229.1	13,600
165	53.7	225.6	12,400
170	52.3	221.8	11,400
175	51.0	217.8	10,400
180	49.6	213.7	9,500
185	48.2	209.3	8,600
190	46.7	204.7	7,800
195	45.3	199.9	7,000
200	43.8	194.8	6,200
205	42.2	189.5	5,500
210	40.6	183.8	4,800
215	38.9	177.8	4,200
280 Ft. BOOM			
44	82.0	285.3	83,200 *
46	81.6	285.1	82,900 *
48	81.2	284.7	82,600 *
50	80.8	284.4	82,300 *
55	79.7	283.6	81,400 *
60	78.7	282.6	80,500 *
65	77.6	281.6	72,800
70	76.6	280.4	65,000
75	75.5	279.2	58,300
80	74.5	277.8	52,600
85	73.4	276.4	47,700
90	72.3	274.9	43,400
95	71.3	273.2	39,600
100	70.2	271.5	36,200
105	69.1	269.6	33,100
110	68.0	267.6	30,400
115	66.9	265.6	27,900
120	65.8	263.4	25,700
125	64.6	261.1	23,600
130	63.5	258.6	21,700
135	62.3	256.1	20,000
140	61.2	253.4	18,400
145	60.0	250.6	16,900
150	58.8	247.6	15,600
155	57.6	244.5	14,300
160	56.4	241.3	13,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
280 Ft. BOOM			
165	55.2	237.9	12,000
170	53.9	234.3	10,900
175	52.6	230.6	9,900
180	51.3	226.6	9,000
185	50.0	222.5	8,100
190	48.6	218.2	7,300
195	47.3	213.7	6,500
200	45.9	209.0	5,700
205	44.4	204.0	5,000
210	42.9	198.8	4,400
290 Ft. BOOM			
46	81.9	295.2	75,900 *
48	81.5	294.9	75,600 *
50	81.1	294.6	75,300 *
55	80.1	293.7	74,500 *
60	79.1	292.8	73,600 *
65	78.1	291.8	72,400
70	77.0	290.7	64,600
75	76.0	289.5	57,900
80	75.0	288.2	52,200
85	74.0	286.8	47,300
90	73.0	285.3	43,000
95	71.9	283.8	39,200
100	70.9	282.1	35,800
105	69.8	280.3	32,700
110	68.8	278.4	30,000
115	67.7	276.4	27,500
120	66.6	274.3	25,300
125	65.6	272.1	23,200
130	64.5	269.7	21,300
135	63.4	267.3	19,600
140	62.3	264.7	18,000
145	61.1	262.0	16,500
150	60.0	259.2	15,100
155	58.9	256.3	13,900
160	57.7	253.2	12,700
165	56.5	249.9	11,500
170	55.3	246.6	10,500
175	54.1	243.0	9,500
180	52.9	239.3	8,600
185	51.6	235.4	7,700
190	50.4	231.4	6,900
195	49.1	227.2	6,100
200	47.7	222.7	5,300
205	46.4	218.1	4,600