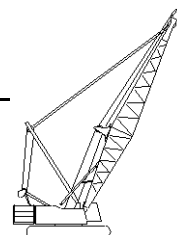




Liftcrane Boom Capacities

Boom No. 22E With Light Tapered Top
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 (*).

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 all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom 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. 81018714** and Wire Rope Specification chart **No. 8996-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, four 1-3/8 in. boom pendants, 184,600 Lb. crane counterweight and two 22,000 Lb. carbody counterweights.

Auxiliary Drum Deduct

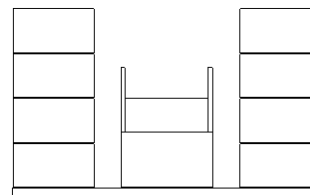
Deduct 900 Lbs. from boom capacities when boom butt is equipped with auxiliary drum.

WITH OR WITHOUT BOOM CATWALKS

Maximum Boom Lengths Lifted Unassisted
With or Without Auxiliary Drum in Boom Butt

Over End of Blocked Crawlers	Over Side of Crawlers
Boom Length	Boom Length
(a) 310 Ft.	(a) 290 Ft.

Load block, hook and weight ball on ground at start.
(a) Upper boom point cannot be used on 310 Ft. boom and cannot be lifted over side of crawlers on 290 Ft. boom.

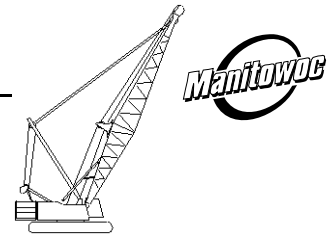


184,600 Lb. Crane Counterweight
8 Side Boxes - 1 Center Box

Liftcrane Boom Capacities

Boom No. 22E With Light Tapered Top
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

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110.0 ft			
24	80.1	116.5	265,500 *
26	79.0	116.1	265,500 *
28	77.9	115.7	256,400 *
30	76.9	115.3	239,600 *
32	75.8	114.8	224,700 *
34	74.7	114.3	211,500 *
36	73.6	113.7	199,700 *
38	72.5	113.1	189,000 *
40	71.4	112.4	179,400 *
42	70.3	111.7	170,700 *
44	69.2	111.0	162,700 *
46	68.1	110.2	155,400 *
48	67.0	109.4	148,600 *
50	65.9	108.5	142,400 *
55	63.0	106.1	127,300
60	60.0	103.4	113,000
65	56.9	100.3	101,400
70	53.8	96.9	91,700
75	50.5	93.0	83,700
80	47.0	88.6	76,700
85	43.3	83.7	70,800
90	39.4	78.0	65,600
95	35.1	71.4	61,000
100	30.3	63.6	56,900
105	24.6	54.0	53,300
110	17.3	40.9	48,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120.0 ft			
24	80.9	126.6	265,500 *
26	79.9	126.3	265,500 *
28	78.9	125.9	255,700 *
30	78.0	125.5	238,900 *
32	77.0	125.1	224,000 *
34	76.0	124.6	210,800 *
36	75.0	124.1	198,900 *
38	74.0	123.5	188,300 *
40	73.0	122.9	178,700 *
42	72.0	122.3	169,900 *
44	71.0	121.6	161,900 *
46	70.0	120.9	154,600 *
48	69.0	120.2	147,900 *
50	68.0	119.4	141,700 *
55	65.4	117.2	127,200
60	62.7	114.8	112,800
65	60.0	112.1	101,100
70	57.2	109.0	91,400
75	54.3	105.6	83,300
80	51.3	101.8	76,400
85	48.2	97.6	70,400
90	44.9	92.8	65,200
95	41.4	87.5	60,600
100	37.7	81.5	56,500
105	33.6	74.5	52,900
110	29.0	66.2	49,600
115	23.6	56.1	46,600
120	16.6	42.4	42,100 *

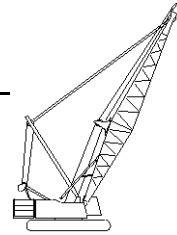
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130.0 ft			
26	80.7	136.4	265,500 *
28	79.8	136.1	254,900 *
30	78.9	135.7	238,000 *
32	78.0	135.3	223,100 *
34	77.1	134.9	209,900 *
36	76.2	134.4	198,100 *
38	75.3	133.9	187,500 *
40	74.4	133.4	177,800 *
42	73.5	132.8	169,100 *
44	72.5	132.2	161,100 *
46	71.6	131.5	153,800 *
48	70.7	130.8	147,000 *
50	69.7	130.1	140,800 *
55	67.4	128.1	126,800
60	65.0	125.9	112,400
65	62.5	123.5	100,700
70	60.0	120.7	91,100
75	57.4	117.7	82,900
80	54.8	114.3	76,000
85	52.0	110.6	70,000
90	49.2	106.5	64,800
95	46.2	102.0	60,200
100	43.0	96.9	56,100
105	39.7	91.2	52,500
110	36.1	84.8	49,200
115	32.2	77.4	46,200
120	27.8	68.8	43,500
125	22.6	58.2	41,000
130	15.9	43.8	36,900 *



Liftcrane Boom Capacities

Boom No. 22E With Light Tapered Top
 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

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140.0 ft			
28	80.5	146.2	251,600 *
30	79.7	145.9	237,300 *
32	78.9	145.5	222,500 *
34	78.0	145.1	209,200 *
36	77.2	144.7	197,400 *
38	76.4	144.2	186,800 *
40	75.5	143.7	177,200 *
42	74.7	143.2	168,400 *
44	73.8	142.6	160,500 *
46	73.0	142.0	153,100 *
48	72.1	141.4	146,400 *
50	71.3	140.7	140,200 *
55	69.1	138.9	126,500
60	66.9	136.9	112,100
65	64.6	134.6	100,400
70	62.3	132.1	90,700
75	60.0	129.4	82,600
80	57.6	126.4	75,700
85	55.2	123.0	69,700
90	52.6	119.4	64,500
95	50.0	115.4	59,900
100	47.3	111.0	55,800
105	44.4	106.1	52,200
110	41.4	100.8	48,900
115	38.2	94.8	45,900
120	34.8	88.0	43,200
125	31.0	80.3	40,800
130	26.8	71.2	38,500
135	21.8	60.1	36,400
140	15.4	45.2	32,500 *

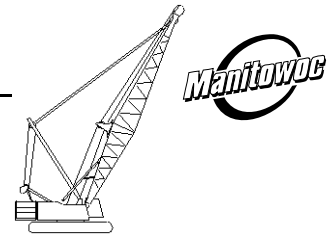
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150.0 ft			
30	80.4	156.1	227,300 *
32	79.6	155.7	221,600 *
34	78.9	155.3	208,400 *
36	78.1	154.9	196,600 *
38	77.3	154.5	185,900 *
40	76.5	154.0	176,300 *
42	75.7	153.5	167,600 *
44	74.9	153.0	159,600 *
46	74.1	152.4	152,300 *
48	73.3	151.9	145,600 *
50	72.5	151.2	139,400 *
55	70.5	149.6	125,700 *
60	68.5	147.7	111,700
65	66.4	145.6	100,000
70	64.3	143.3	90,300
75	62.2	140.8	82,200
80	60.0	138.1	75,200
85	57.8	135.0	69,200
90	55.5	131.7	64,000
95	53.1	128.1	59,400
100	50.7	124.2	55,300
105	48.2	119.9	51,700
110	45.6	115.3	48,400
115	42.8	110.1	45,500
120	39.9	104.4	42,800
125	36.9	98.2	40,300
130	33.6	91.1	38,100
135	29.9	83.0	36,000
140	25.8	73.5	34,100
145	21.0	62.0	32,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160.0 ft			
30	81.0	166.2	218,700 *
32	80.3	165.9	214,500 *
34	79.6	165.5	207,700 *
36	78.8	165.1	195,900 *
38	78.1	164.7	185,200 *
40	77.4	164.3	175,600 *
42	76.6	163.8	166,900 *
44	75.9	163.3	158,900 *
46	75.2	162.8	151,600 *
48	74.4	162.3	144,900 *
50	73.7	161.7	138,700 *
55	71.8	160.1	125,100 *
60	69.9	158.4	111,400
65	68.0	156.5	99,600
70	66.0	154.4	89,900
75	64.1	152.0	81,800
80	62.0	149.5	74,800
85	60.0	146.7	68,800
90	57.9	143.7	63,600
95	55.8	140.4	59,000
100	53.6	136.9	54,900
105	51.3	133.1	51,300
110	49.0	128.9	48,000
115	46.6	124.3	45,100
120	44.0	119.4	42,400
125	41.4	114.0	39,900
130	38.6	108.0	37,700
135	35.7	101.4	35,600
140	32.5	94.0	33,700
145	29.0	85.6	31,900
150	25.0	75.8	30,300
155	20.4	63.8	28,200 *

Liftcrane Boom Capacities

Boom No. 22E With Light Tapered Top
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

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170.0 ft			
32	80.9	176.0	201,800 *
34	80.2	175.7	198,300 *
36	79.5	175.3	194,900 *
38	78.8	174.9	184,700 *
40	78.1	174.5	175,100 *
42	77.4	174.1	166,400 *
44	76.7	173.6	158,400 *
46	76.0	173.1	151,100 *
48	75.3	172.6	144,400 *
50	74.7	172.1	138,200 *
55	72.9	170.6	124,600 *
60	71.1	169.0	111,100
65	69.3	167.2	99,400
70	67.5	165.2	89,700
75	65.7	163.1	81,500
80	63.8	160.7	74,600
85	61.9	158.1	68,600
90	60.0	155.4	63,400
95	58.0	152.4	58,800
100	56.0	149.1	54,700
105	54.0	145.6	51,000
110	51.9	141.8	47,800
115	49.7	137.8	44,800
120	47.4	133.4	42,100
125	45.1	128.6	39,700
130	42.7	123.4	37,500
135	40.1	117.7	35,400
140	37.4	111.5	33,500
145	34.6	104.6	31,700
150	31.5	96.9	30,100
155	28.1	88.2	28,600
160	24.2	78.0	27,100
165	19.7	65.6	24,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180.0 ft			
34	80.7	185.8	189,800 *
36	80.1	185.5	186,600 *
38	79.4	185.1	183,400 *
40	78.8	184.7	174,400 *
42	78.1	184.3	165,700 *
44	77.5	183.9	157,700 *
46	76.8	183.4	150,400 *
48	76.2	182.9	143,700 *
50	75.5	182.4	137,500 *
55	73.9	181.1	123,900 *
60	72.2	179.5	110,700
65	70.5	177.9	99,000
70	68.8	176.0	89,300
75	67.1	174.0	81,100
80	65.4	171.8	74,200
85	63.6	169.4	68,200
90	61.8	166.8	63,000
95	60.0	164.0	58,400
100	58.1	161.0	54,300
105	56.3	157.8	50,600
110	54.3	154.4	47,400
115	52.3	150.6	44,400
120	50.3	146.6	41,700
125	48.2	142.3	39,300
130	46.0	137.7	37,100
135	43.8	132.6	35,000
140	41.4	127.2	33,100
145	38.9	121.3	31,300
150	36.3	114.8	29,700
155	33.6	107.7	28,200
160	30.6	99.7	26,700
165	27.3	90.6	25,400
170	23.6	80.1	24,100 *
175	19.2	67.3	21,700 *

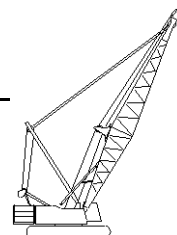
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190.0 ft			
36	80.6	195.6	173,300 *
38	80.0	195.3	170,600 *
40	79.4	194.9	167,900 *
42	78.8	194.5	164,800 *
44	78.2	194.1	156,900 *
46	77.5	193.7	149,600 *
48	76.9	193.2	142,900 *
50	76.3	192.7	136,700 *
55	74.7	191.4	123,100 *
60	73.2	190.0	110,400
65	71.6	188.4	98,600
70	70.0	186.7	88,900
75	68.4	184.8	80,700
80	66.8	182.7	73,700
85	65.1	180.5	67,700
90	63.4	178.1	62,500
95	61.7	175.5	57,900
100	60.0	172.7	53,800
105	58.2	169.7	50,200
110	56.5	166.5	46,900
115	54.6	163.1	43,900
120	52.8	159.4	41,200
125	50.8	155.5	38,800
130	48.9	151.2	36,600
135	46.8	146.7	34,500
140	44.7	141.8	32,600
145	42.5	136.6	30,800
150	40.3	130.9	29,200
155	37.9	124.8	27,700
160	35.3	118.0	26,200
165	32.6	110.6	24,900
170	29.7	102.3	23,700
175	26.5	93.0	22,500
180	22.9	82.1	20,800 *
185	18.7	69.0	18,700 *



Liftcrane Boom Capacities

Boom No. 22E With Light Tapered Top
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

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200.0 ft			
38	80.5	205.4	162,600 *
40	79.9	205.1	160,100 *
42	79.3	204.7	157,600 *
44	78.8	204.3	155,200 *
46	78.2	203.9	148,900 *
48	77.6	203.5	142,100 *
50	77.0	203.0	135,900 *
55	75.5	201.8	122,400 *
60	74.0	200.4	110,000
65	72.5	198.9	98,200
70	71.0	197.3	88,500
75	69.5	195.5	80,300
80	68.0	193.6	73,300
85	66.4	191.4	67,300
90	64.8	189.2	62,100
95	63.3	186.8	57,500
100	61.6	184.1	53,400
105	60.0	181.4	49,700
110	58.3	178.4	46,400
115	56.6	175.2	43,500
120	54.9	171.8	40,800
125	53.1	168.1	38,400
130	51.3	164.3	36,100
135	49.5	160.1	34,100
140	47.5	155.7	32,200
145	45.6	151.0	30,400
150	43.5	145.9	28,800
155	41.4	140.4	27,200
160	39.2	134.5	25,800
165	36.9	128.1	24,500
170	34.4	121.2	23,200
175	31.8	113.5	22,100
180	29.0	105.0	21,000
185	25.8	95.3	19,900 *
190	22.3	84.1	18,000 *
195	18.2	70.6	16,100 *

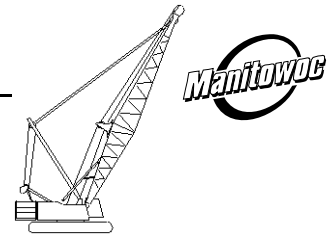
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210.0 ft			
38	81.0	215.5	154,800 *
40	80.4	215.2	152,500 *
42	79.9	214.9	150,100 *
44	79.3	214.5	147,800 *
46	78.7	214.1	145,600 *
48	78.2	213.7	141,600 *
50	77.6	213.3	135,400 *
55	76.2	212.1	121,800 *
60	74.8	210.8	109,700
65	73.4	209.4	97,900
70	72.0	207.8	88,200
75	70.5	206.1	80,000
80	69.1	204.3	73,000
85	67.6	202.3	67,000
90	66.1	200.2	61,700
95	64.6	197.9	57,100
100	63.1	195.4	53,000
105	61.6	192.8	49,400
110	60.0	190.0	46,100
115	58.4	187.0	43,100
120	56.8	183.9	40,400
125	55.2	180.5	38,000
130	53.5	176.9	35,700
135	51.8	173.1	33,700
140	50.0	169.0	31,800
145	48.2	164.7	30,000
150	46.3	160.1	28,400
155	44.4	155.1	26,900
160	42.4	149.8	25,400
165	40.4	144.2	24,100
170	38.2	138.1	22,900
175	36.0	131.4	21,700
180	33.6	124.2	20,600
185	31.0	116.3	19,500
190	28.2	107.5	18,600
195	25.2	97.6	17,200 *
200	21.8	86.1	15,400 *
205	17.8	72.2	13,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220.0 ft			
40	80.8	225.4	143,300 *
42	80.3	225.0	141,100 *
44	79.8	224.7	139,000 *
46	79.3	224.3	136,900 *
48	78.7	223.9	134,800 *
50	78.2	223.5	132,700 *
55	76.9	222.4	121,100 *
60	75.5	221.2	109,200
65	74.2	219.8	97,500
70	72.8	218.3	87,700
75	71.4	216.7	79,500
80	70.1	215.0	72,500
85	68.7	213.1	66,500
90	67.3	211.1	61,300
95	65.9	208.9	56,700
100	64.4	206.6	52,600
105	63.0	204.1	48,900
110	61.5	201.5	45,600
115	60.0	198.7	42,700
120	58.5	195.7	40,000
125	56.9	192.5	37,600
130	55.4	189.2	35,300
135	53.8	185.6	33,300
140	52.1	181.9	31,400
145	50.5	177.9	29,600
150	48.8	173.6	28,000
155	47.0	169.1	26,500
160	45.2	164.3	25,000
165	43.3	159.1	23,700
170	41.4	153.7	22,500
175	39.4	147.8	21,300
180	37.3	141.5	20,200
185	35.1	134.6	19,200
190	32.8	127.2	18,200
195	30.3	119.1	17,200
200	27.6	110.0	16,200 *
205	24.6	99.8	14,700 *
210	21.3	88.0	13,100 *
215	17.3	73.7	11,500 *

Liftcrane Boom Capacities

Boom No. 22E With Light Tapered Top
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

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230.0 ft			
42	80.7	235.1	131,800 *
44	80.2	234.8	131,200 *
46	79.7	234.5	129,400 *
48	79.2	234.1	127,600 *
50	78.7	233.7	125,700 *
55	77.4	232.6	120,200 *
60	76.2	231.5	108,800 *
65	74.9	230.2	97,100
70	73.6	228.8	87,300
75	72.3	227.2	79,100
80	71.0	225.6	72,100
85	69.6	223.8	66,100
90	68.3	221.9	60,800
95	67.0	219.8	56,200
100	65.6	217.6	52,100
105	64.2	215.3	48,400
110	62.8	212.8	45,200
115	61.4	210.1	42,200
120	60.0	207.3	39,500
125	58.6	204.4	37,100
130	57.1	201.2	34,800
135	55.6	197.9	32,700
140	54.1	194.4	30,800
145	52.5	190.6	29,100
150	50.9	186.7	27,500
155	49.3	182.5	25,900
160	47.6	178.1	24,500
165	45.9	173.4	23,200
170	44.2	168.4	21,900
175	42.3	163.1	20,800
180	40.5	157.4	19,700
185	38.5	151.3	18,600
190	36.5	144.8	17,700
195	34.3	137.8	16,700
200	32.0	130.1	15,800
205	29.6	121.7	15,000 *
210	27.0	112.4	13,600 *
215	24.1	102.0	12,100 *
220	20.8	89.8	10,700 *
225	17.0	75.2	9,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240.0 ft			
44	80.6	245.0	120,100 *
46	80.2	244.6	119,700 *
48	79.7	244.3	119,200 *
50	79.2	243.9	118,700 *
55	78.0	242.9	114,800 *
60	76.8	241.8	108,100 *
65	75.5	240.5	96,600
70	74.3	239.2	86,900
75	73.0	237.7	78,700
80	71.8	236.1	71,700
85	70.5	234.4	65,600
90	69.3	232.6	60,400
95	68.0	230.6	55,700
100	66.7	228.5	51,600
105	65.4	226.3	48,000
110	64.1	224.0	44,700
115	62.7	221.4	41,700
120	61.4	218.8	39,000
125	60.0	216.0	36,600
130	58.6	213.0	34,300
135	57.2	209.9	32,300
140	55.8	206.6	30,400
145	54.3	203.1	28,600
150	52.8	199.4	27,000
155	51.3	195.5	25,500
160	49.8	191.4	24,000
165	48.2	187.0	22,700
170	46.6	182.4	21,500
175	44.9	177.6	20,300
180	43.2	172.4	19,200
185	41.4	166.9	18,200
190	39.6	161.0	17,200
195	37.7	154.8	16,300
200	35.7	148.1	15,400
205	33.6	140.8	14,600
210	31.3	132.9	13,800
215	29.0	124.3	12,500 *
220	26.4	114.8	11,200 *
225	23.6	104.1	9,900 *
230	20.4	91.7	8,600 *
235	16.6	76.7	7,100 *

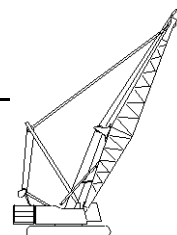
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250.0 ft			
44	81.0	255.1	109,300 *
46	80.6	254.8	108,900 *
48	80.1	254.4	108,500 *
50	79.6	254.1	108,100 *
55	78.5	253.1	107,000 *
60	77.3	252.0	103,300 *
65	76.1	250.8	96,400
70	74.9	249.6	86,600
75	73.7	248.1	78,400
80	72.5	246.6	71,400
85	71.3	245.0	65,400
90	70.1	243.2	60,100
95	68.9	241.4	55,500
100	67.7	239.4	51,400
105	66.4	237.3	47,700
110	65.2	235.0	44,400
115	63.9	232.6	41,500
120	62.6	230.1	38,800
125	61.3	227.5	36,300
130	60.0	224.6	34,100
135	58.7	221.7	32,000
140	57.3	218.6	30,100
145	55.9	215.3	28,300
150	54.5	211.8	26,700
155	53.1	208.1	25,200
160	51.7	204.3	23,800
165	50.2	200.2	22,400
170	48.7	196.0	21,200
175	47.2	191.4	20,000
180	45.6	186.7	18,900
185	43.9	181.6	17,900
190	42.3	176.3	16,900
195	40.5	170.6	16,000
200	38.7	164.6	15,100
205	36.9	158.1	14,300
210	34.9	151.2	13,500
215	32.9	143.8	12,700
220	30.7	135.7	11,600 *
225	28.4	126.9	10,400 *
230	25.8	117.1	9,200 *
235	23.1	106.1	8,000 *
240	19.9	93.4	6,800 *
245	16.3	78.2	5,500 *



Liftcrane Boom Capacities

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184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
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Meets
ANSI B30.5
Requirements



999 SERIES 2

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260.0 ft			
46	80.9	264.9	100,000 *
48	80.5	264.6	99,600 *
50	80.0	264.2	99,200 *
55	78.9	263.3	98,100 *
60	77.8	262.3	97,100 *
65	76.7	261.1	94,100 *
70	75.5	259.9	86,200
75	74.4	258.5	78,000
80	73.2	257.1	71,000
85	72.1	255.5	64,900
90	70.9	253.9	59,600
95	69.7	252.1	55,000
100	68.6	250.2	50,900
105	67.4	248.1	47,200
110	66.2	246.0	44,000
115	65.0	243.7	41,000
120	63.7	241.3	38,300
125	62.5	238.8	35,800
130	61.3	236.1	33,600
135	60.0	233.3	31,500
140	58.7	230.4	29,600
145	57.4	227.2	27,900
150	56.1	224.0	26,200
155	54.8	220.5	24,700
160	53.4	216.9	23,300
165	52.0	213.1	22,000
170	50.6	209.1	20,700
175	49.2	204.9	19,600
180	47.7	200.4	18,500
185	46.2	195.8	17,400
190	44.6	190.8	16,400
195	43.0	185.6	15,500
200	41.4	180.1	14,600
205	39.7	174.3	13,800
210	38.0	168.1	13,000
215	36.1	161.4	12,300
220	34.2	154.4	11,500
225	32.2	146.7	10,500 *
230	30.1	138.4	9,400 *
235	27.8	129.4	8,300 *
240	25.3	119.4	7,100 *
245	22.6	108.2	6,000 *
250	19.6	95.2	4,900 *

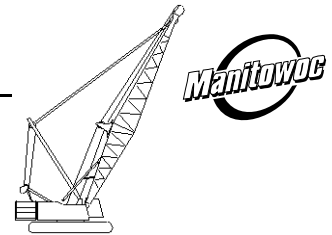
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270.0 ft			
48	80.8	274.7	91,300 *
50	80.4	274.4	90,900 *
55	79.3	273.5	90,000 *
60	78.2	272.5	89,000 *
65	77.2	271.4	88,000 *
70	76.1	270.2	85,500 *
75	75.0	268.9	77,600
80	73.9	267.5	70,500
85	72.8	266.0	64,500
90	71.7	264.4	59,200
95	70.5	262.7	54,600
100	69.4	260.9	50,400
105	68.3	259.0	46,800
110	67.1	256.9	43,500
115	66.0	254.7	40,500
120	64.8	252.4	37,800
125	63.6	250.0	35,300
130	62.4	247.5	33,100
135	61.2	244.8	31,000
140	60.0	242.0	29,100
145	58.8	239.0	27,300
150	57.5	235.9	25,700
155	56.3	232.6	24,200
160	55.0	229.2	22,800
165	53.7	225.6	21,400
170	52.3	221.9	20,200
175	51.0	217.9	19,000
180	49.6	213.8	17,900
185	48.2	209.4	16,900
190	46.7	204.8	15,900
195	45.3	200.0	15,000
200	43.8	194.9	14,100
205	42.2	189.5	13,300
210	40.6	183.9	12,500
215	38.9	177.9	11,700
220	37.2	171.5	11,000
225	35.4	164.7	10,300
230	33.6	157.4	9,300 *
235	31.6	149.6	8,200 *
240	29.5	141.1	7,100 *
245	27.3	131.8	6,100 *
250	24.9	121.6	5,100 *
255	22.2	110.1	4,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
280.0 ft			
50	80.8	284.5	82,800 *
55	79.7	283.6	81,900 *
60	78.7	282.7	81,000 *
65	77.6	281.6	80,100 *
70	76.6	280.5	78,200 *
75	75.5	279.3	75,800 *
80	74.5	277.9	70,100
85	73.4	276.5	64,000
90	72.3	274.9	58,700
95	71.3	273.3	54,100
100	70.2	271.5	50,000
105	69.1	269.7	46,300
110	68.0	267.7	43,000
115	66.9	265.6	40,000
120	65.8	263.4	37,300
125	64.6	261.1	34,900
130	63.5	258.7	32,600
135	62.3	256.1	30,500
140	61.2	253.4	28,600
145	60.0	250.6	26,900
150	58.8	247.7	25,200
155	57.6	244.6	23,700
160	56.4	241.3	22,300
165	55.2	237.9	21,000
170	53.9	234.4	19,700
175	52.6	230.6	18,500
180	51.3	226.7	17,400
185	50.0	222.6	16,400
190	48.6	218.3	15,400
195	47.3	213.8	14,500
200	45.9	209.1	13,600
205	44.4	204.1	12,800
210	42.9	198.9	12,000
215	41.4	193.4	11,200
220	39.8	187.5	10,500
225	38.2	181.4	9,800
230	36.5	174.8	9,200 *
235	34.8	167.8	8,100 *
240	32.9	160.4	7,100 *
245	31.0	152.4	6,100 *
250	29.0	143.7	5,100 *
255	26.8	134.2	4,200 *

Liftcrane Boom Capacities

Boom No. 22E With Light Tapered Top
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

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
290.0 ft			
55	80.1	293.8	75,300 *
60	79.1	292.9	74,400 *
65	78.1	291.9	73,300 *
70	77.0	290.8	71,100 *
75	76.0	289.6	69,100 *
80	75.0	288.3	67,200 *
85	74.0	286.9	63,600
90	73.0	285.4	58,300
95	71.9	283.8	53,700
100	70.9	282.1	49,600
105	69.8	280.4	45,900
110	68.8	278.5	42,600
115	67.7	276.5	39,600
120	66.6	274.4	36,900
125	65.6	272.2	34,500
130	64.5	269.8	32,200
135	63.4	267.4	30,100
140	62.3	264.8	28,200
145	61.1	262.1	26,500
150	60.0	259.3	24,800
155	58.9	256.3	23,300
160	57.7	253.2	21,900
165	56.5	250.0	20,500
170	55.3	246.6	19,300
175	54.1	243.1	18,100
180	52.9	239.4	17,000
185	51.6	235.5	16,000
190	50.4	231.5	15,000
195	49.1	227.2	14,100
200	47.7	222.8	13,200
205	46.4	218.1	12,400
210	45.0	213.3	11,600
215	43.6	208.1	10,800
220	42.2	202.8	10,100
225	40.7	197.1	9,400
230	39.1	191.1	8,800
235	37.5	184.8	8,100 *
240	35.9	178.1	7,100 *
245	34.1	170.9	6,100 *
250	32.3	163.3	5,200 *
255	30.5	155.1	4,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
300.0 ft			
55	80.4	304.0	69,300 *
60	79.4	303.1	68,400 *
65	78.5	302.1	66,600 *
70	77.5	301.0	64,600 *
75	76.5	299.9	62,700 *
80	75.5	298.6	61,000 *
85	74.5	297.3	59,300 *
90	73.5	295.9	57,800 *
95	72.5	294.3	53,200
100	71.5	292.7	49,100
105	70.5	291.0	45,400
110	69.5	289.2	42,100
115	68.5	287.2	39,200
120	67.5	285.2	36,400
125	66.4	283.1	34,000
130	65.4	280.9	31,700
135	64.3	278.5	29,700
140	63.3	276.1	27,700
145	62.2	273.5	26,000
150	61.1	270.8	24,300
155	60.0	268.0	22,800
160	58.9	265.0	21,400
165	57.8	261.9	20,100
170	56.6	258.7	18,800
175	55.5	255.3	17,700
180	54.3	251.8	16,600
185	53.1	248.1	15,500
190	51.9	244.3	14,500
195	50.7	240.3	13,600
200	49.5	236.1	12,700
205	48.2	231.8	11,900
210	46.9	227.2	11,100
215	45.6	222.4	10,400
220	44.2	217.4	9,600
225	42.8	212.1	9,000
230	41.4	206.6	8,300
235	39.9	200.8	7,500 *
240	38.4	194.6	6,500 *
245	36.9	188.1	5,500 *
250	35.2	181.3	4,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
310.0 ft			
55	80.7	314.1	63,600 *
60	79.8	313.2	62,300 *
65	78.8	312.3	60,300 *
70	77.9	311.3	58,400 *
75	76.9	310.1	56,700 *
80	76.0	308.9	55,000 *
85	75.0	307.6	53,500 *
90	74.1	306.3	52,100 *
95	73.1	304.8	50,700 *
100	72.2	303.2	48,600
105	71.2	301.6	45,000
110	70.2	299.8	41,700
115	69.2	298.0	38,700
120	68.2	296.0	36,000
125	67.2	294.0	33,500
130	66.2	291.8	31,200
135	65.2	289.6	29,200
140	64.2	287.2	27,200
145	63.2	284.7	25,500
150	62.1	282.1	23,800
155	61.1	279.4	22,300
160	60.0	276.6	20,900
165	58.9	273.7	19,600
170	57.8	270.6	18,300
175	56.7	267.4	17,100
180	55.6	264.0	16,000
185	54.5	260.5	15,000
190	53.4	256.9	14,000
195	52.2	253.1	13,100
200	51.0	249.1	12,200
205	49.8	245.0	11,400
210	48.6	240.7	10,600
215	47.4	236.2	9,800 *
220	46.1	231.5	8,700 *
225	44.8	226.6	7,600 *
230	43.5	221.4	6,500 *
235	42.1	216.0	5,500 *
240	40.7	210.3	4,500 *