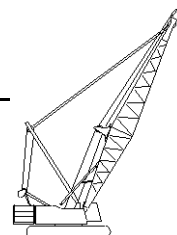




Liftcrane Boom Capacities

Boom No. 22E With Light Tapered 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 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. 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, 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. 8995-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.

WITH OR WITHOUT BOOM CATWALKS

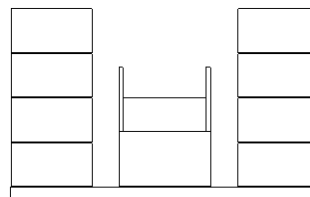
Maximum Boom Lengths Lifted Unassisted
With or Without Auxiliary Drum in Boom Butt

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.

Auxiliary Drum Deduct

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



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
360 Degree Rating

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	221,500
34	74.7	114.3	202,300
36	73.6	113.7	186,000
38	72.5	113.1	172,100
40	71.4	112.4	160,000
42	70.3	111.7	149,400
44	69.2	111.0	140,100
46	68.1	110.2	131,800
48	67.0	109.4	124,300
50	65.9	108.5	117,700
55	63.0	106.1	103,500
60	60.0	103.4	92,200
65	56.9	100.3	83,000
70	53.8	96.9	75,300
75	50.5	93.0	68,700
80	47.0	88.6	63,100
85	43.3	83.7	58,300
90	39.4	78.0	54,000
95	35.1	71.4	50,200
100	30.3	63.6	46,800
105	24.6	54.0	43,800
110	17.3	40.9	41,000

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	221,600
34	76.0	124.6	202,300
36	75.0	124.1	186,000
38	74.0	123.5	172,000
40	73.0	122.9	159,900
42	72.0	122.3	149,300
44	71.0	121.6	139,900
46	70.0	120.9	131,600
48	69.0	120.2	124,200
50	68.0	119.4	117,400
55	65.4	117.2	103,300
60	62.7	114.8	91,900
65	60.0	112.1	82,700
70	57.2	109.0	74,900
75	54.3	105.6	68,400
80	51.3	101.8	62,700
85	48.2	97.6	57,800
90	44.9	92.8	53,600
95	41.4	87.5	49,800
100	37.7	81.5	46,400
105	33.6	74.5	43,400
110	29.0	66.2	40,700
115	23.6	56.1	38,200
120	16.6	42.4	35,900

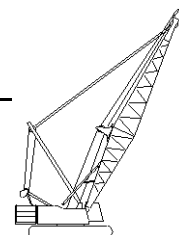
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130.0 ft			
26	80.7	136.4	265,500 *
28	79.8	136.1	254,900 *
30	78.9	135.7	238,000 *
32	78.0	135.3	221,500
34	77.1	134.9	202,100
36	76.2	134.4	185,800
38	75.3	133.9	171,800
40	74.4	133.4	159,600
42	73.5	132.8	149,000
44	72.5	132.2	139,600
46	71.6	131.5	131,300
48	70.7	130.8	123,800
50	69.7	130.1	117,100
55	67.4	128.1	102,900
60	65.0	125.9	91,500
65	62.5	123.5	82,200
70	60.0	120.7	74,500
75	57.4	117.7	67,900
80	54.8	114.3	62,300
85	52.0	110.6	57,400
90	49.2	106.5	53,100
95	46.2	102.0	49,300
100	43.0	96.9	46,000
105	39.7	91.2	43,000
110	36.1	84.8	40,200
115	32.2	77.4	37,800
120	27.8	68.8	35,500
125	22.6	58.2	33,400
130	15.9	43.8	31,500



Liftcrane Boom Capacities

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

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	221,200
34	78.0	145.1	201,900
36	77.2	144.7	185,500
38	76.4	144.2	171,500
40	75.5	143.7	159,300
42	74.7	143.2	148,700
44	73.8	142.6	139,300
46	73.0	142.0	130,900
48	72.1	141.4	123,500
50	71.3	140.7	116,800
55	69.1	138.9	102,600
60	66.9	136.9	91,200
65	64.6	134.6	81,900
70	62.3	132.1	74,100
75	60.0	129.4	67,600
80	57.6	126.4	61,900
85	55.2	123.0	57,100
90	52.6	119.4	52,800
95	50.0	115.4	49,000
100	47.3	111.0	45,600
105	44.4	106.1	42,600
110	41.4	100.8	39,900
115	38.2	94.8	37,400
120	34.8	88.0	35,200
125	31.0	80.3	33,100
130	26.8	71.2	31,200
135	21.8	60.1	29,500
140	15.4	45.2	27,800

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	221,000
34	78.9	155.3	201,600
36	78.1	154.9	185,200
38	77.3	154.5	171,200
40	76.5	154.0	159,000
42	75.7	153.5	148,400
44	74.9	153.0	138,900
46	74.1	152.4	130,600
48	73.3	151.9	123,100
50	72.5	151.2	116,400
55	70.5	149.6	102,100
60	68.5	147.7	90,800
65	66.4	145.6	81,400
70	64.3	143.3	73,700
75	62.2	140.8	67,100
80	60.0	138.1	61,500
85	57.8	135.0	56,600
90	55.5	131.7	52,300
95	53.1	128.1	48,500
100	50.7	124.2	45,100
105	48.2	119.9	42,100
110	45.6	115.3	39,400
115	42.8	110.1	36,900
120	39.9	104.4	34,700
125	36.9	98.2	32,600
130	33.6	91.1	30,800
135	29.9	83.0	29,000
140	25.8	73.5	27,400
145	21.0	62.0	25,900

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	201,300
36	78.8	165.1	184,900
38	78.1	164.7	170,800
40	77.4	164.3	158,700
42	76.6	163.8	148,000
44	75.9	163.3	138,600
46	75.2	162.8	130,200
48	74.4	162.3	122,700
50	73.7	161.7	116,000
55	71.8	160.1	101,800
60	69.9	158.4	90,400
65	68.0	156.5	81,000
70	66.0	154.4	73,300
75	64.1	152.0	66,700
80	62.0	149.5	61,100
85	60.0	146.7	56,200
90	57.9	143.7	51,900
95	55.8	140.4	48,100
100	53.6	136.9	44,700
105	51.3	133.1	41,700
110	49.0	128.9	39,000
115	46.6	124.3	36,600
120	44.0	119.4	34,300
125	41.4	114.0	32,300
130	38.6	108.0	30,400
135	35.7	101.4	28,600
140	32.5	94.0	27,000
145	29.0	85.6	25,500
150	25.0	75.8	24,100
155	20.4	63.8	22,800

Liftcrane Boom Capacities

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

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	184,700
38	78.8	174.9	170,600
40	78.1	174.5	158,400
42	77.4	174.1	147,800
44	76.7	173.6	138,300
46	76.0	173.1	130,000
48	75.3	172.6	122,500
50	74.7	172.1	115,700
55	72.9	170.6	101,500
60	71.1	169.0	90,100
65	69.3	167.2	80,800
70	67.5	165.2	73,000
75	65.7	163.1	66,400
80	63.8	160.7	60,800
85	61.9	158.1	55,900
90	60.0	155.4	51,600
95	58.0	152.4	47,800
100	56.0	149.1	44,500
105	54.0	145.6	41,500
110	51.9	141.8	38,700
115	49.7	137.8	36,300
120	47.4	133.4	34,100
125	45.1	128.6	32,000
130	42.7	123.4	30,100
135	40.1	117.7	28,400
140	37.4	111.5	26,800
145	34.6	104.6	25,300
150	31.5	96.9	23,900
155	28.1	88.2	22,600
160	24.2	78.0	21,400
165	19.7	65.6	20,300

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	184,400
38	79.4	185.1	170,300
40	78.8	184.7	158,100
42	78.1	184.3	147,400
44	77.5	183.9	138,000
46	76.8	183.4	129,600
48	76.2	182.9	122,100
50	75.5	182.4	115,300
55	73.9	181.1	101,100
60	72.2	179.5	89,700
65	70.5	177.9	80,400
70	68.8	176.0	72,600
75	67.1	174.0	66,000
80	65.4	171.8	60,400
85	63.6	169.4	55,500
90	61.8	166.8	51,200
95	60.0	164.0	47,400
100	58.1	161.0	44,100
105	56.3	157.8	41,000
110	54.3	154.4	38,300
115	52.3	150.6	35,900
120	50.3	146.6	33,600
125	48.2	142.3	31,600
130	46.0	137.7	29,700
135	43.8	132.6	28,000
140	41.4	127.2	26,400
145	38.9	121.3	24,900
150	36.3	114.8	23,500
155	33.6	107.7	22,200
160	30.6	99.7	21,000
165	27.3	90.6	19,900
170	23.6	80.1	18,800
175	19.2	67.3	17,800

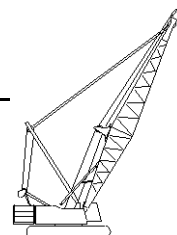
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190.0 ft			
36	80.6	195.6	173,300 *
38	80.0	195.3	170,000
40	79.4	194.9	157,800
42	78.8	194.5	147,100
44	78.2	194.1	137,600
46	77.5	193.7	129,200
48	76.9	193.2	121,700
50	76.3	192.7	115,000
55	74.7	191.4	100,700
60	73.2	190.0	89,300
65	71.6	188.4	79,900
70	70.0	186.7	72,100
75	68.4	184.8	65,600
80	66.8	182.7	59,900
85	65.1	180.5	55,000
90	63.4	178.1	50,700
95	61.7	175.5	46,900
100	60.0	172.7	43,500
105	58.2	169.7	40,500
110	56.5	166.5	37,800
115	54.6	163.1	35,400
120	52.8	159.4	33,100
125	50.8	155.5	31,100
130	48.9	151.2	29,200
135	46.8	146.7	27,500
140	44.7	141.8	25,900
145	42.5	136.6	24,400
150	40.3	130.9	23,000
155	37.9	124.8	21,700
160	35.3	118.0	20,500
165	32.6	110.6	19,400
170	29.7	102.3	18,300
175	26.5	93.0	17,300
180	22.9	82.1	16,400
185	18.7	69.0	15,500



Liftcrane Boom Capacities

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

Meets
ANSI B30.5
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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	157,400
42	79.3	204.7	146,700
44	78.8	204.3	137,200
46	78.2	203.9	128,800
48	77.6	203.5	121,300
50	77.0	203.0	114,600
55	75.5	201.8	100,300
60	74.0	200.4	88,900
65	72.5	198.9	79,500
70	71.0	197.3	71,700
75	69.5	195.5	65,100
80	68.0	193.6	59,500
85	66.4	191.4	54,600
90	64.8	189.2	50,300
95	63.3	186.8	46,500
100	61.6	184.1	43,100
105	60.0	181.4	40,100
110	58.3	178.4	37,400
115	56.6	175.2	34,900
120	54.9	171.8	32,700
125	53.1	168.1	30,600
130	51.3	164.3	28,800
135	49.5	160.1	27,000
140	47.5	155.7	25,400
145	45.6	151.0	23,900
150	43.5	145.9	22,600
155	41.4	140.4	21,300
160	39.2	134.5	20,100
165	36.9	128.1	19,000
170	34.4	121.2	17,900
175	31.8	113.5	16,900
180	29.0	105.0	16,000
185	25.8	95.3	15,100
190	22.3	84.1	14,200
195	18.2	70.6	13,400

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	146,500
44	79.3	214.5	137,000
46	78.7	214.1	128,600
48	78.2	213.7	121,100
50	77.6	213.3	114,300
55	76.2	212.1	100,000
60	74.8	210.8	88,600
65	73.4	209.4	79,200
70	72.0	207.8	71,400
75	70.5	206.1	64,800
80	69.1	204.3	59,100
85	67.6	202.3	54,200
90	66.1	200.2	49,900
95	64.6	197.9	46,100
100	63.1	195.4	42,700
105	61.6	192.8	39,700
110	60.0	190.0	37,000
115	58.4	187.0	34,500
120	56.8	183.9	32,300
125	55.2	180.5	30,200
130	53.5	176.9	28,400
135	51.8	173.1	26,600
140	50.0	169.0	25,000
145	48.2	164.7	23,600
150	46.3	160.1	22,200
155	44.4	155.1	20,900
160	42.4	149.8	19,700
165	40.4	144.2	18,600
170	38.2	138.1	17,500
175	36.0	131.4	16,500
180	33.6	124.2	15,600
185	31.0	116.3	14,700
190	28.2	107.5	13,900
195	25.2	97.6	13,100
200	21.8	86.1	12,300
205	17.8	72.2	11,600

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	136,500
46	79.3	224.3	128,100
48	78.7	223.9	120,600
50	78.2	223.5	113,800
55	76.9	222.4	99,500
60	75.5	221.2	88,100
65	74.2	219.8	78,700
70	72.8	218.3	70,900
75	71.4	216.7	64,300
80	70.1	215.0	58,600
85	68.7	213.1	53,700
90	67.3	211.1	49,400
95	65.9	208.9	45,700
100	64.4	206.6	42,300
105	63.0	204.1	39,300
110	61.5	201.5	36,500
115	60.0	198.7	34,100
120	58.5	195.7	31,900
125	56.9	192.5	29,800
130	55.4	189.2	27,900
135	53.8	185.6	26,200
140	52.1	181.9	24,600
145	50.5	177.9	23,100
150	48.8	173.6	21,800
155	47.0	169.1	20,500
160	45.2	164.3	19,300
165	43.3	159.1	18,200
170	41.4	153.7	17,100
175	39.4	147.8	16,100
180	37.3	141.5	15,200
185	35.1	134.6	14,300
190	32.8	127.2	13,500
195	30.3	119.1	12,700
200	27.6	110.0	11,900
205	24.6	99.8	11,200
210	21.3	88.0	10,500
215	17.3	73.7	9,900

Liftcrane Boom Capacities

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

Meets
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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	127,800
48	79.2	234.1	120,200
50	78.7	233.7	113,400
55	77.4	232.6	99,100
60	76.2	231.5	87,700
65	74.9	230.2	78,300
70	73.6	228.8	70,500
75	72.3	227.2	63,900
80	71.0	225.6	58,200
85	69.6	223.8	53,300
90	68.3	221.9	49,000
95	67.0	219.8	45,200
100	65.6	217.6	41,800
105	64.2	215.3	38,800
110	62.8	212.8	36,000
115	61.4	210.1	33,600
120	60.0	207.3	31,300
125	58.6	204.4	29,300
130	57.1	201.2	27,400
135	55.6	197.9	25,700
140	54.1	194.4	24,100
145	52.5	190.6	22,600
150	50.9	186.7	21,200
155	49.3	182.5	19,900
160	47.6	178.1	18,800
165	45.9	173.4	17,600
170	44.2	168.4	16,600
175	42.3	163.1	15,600
180	40.5	157.4	14,700
185	38.5	151.3	13,800
190	36.5	144.8	12,900
195	34.3	137.8	12,100
200	32.0	130.1	11,400
205	29.6	121.7	10,700
210	27.0	112.4	10,000
215	24.1	102.0	9,300
220	20.8	89.8	8,700
225	17.0	75.2	8,100

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	113,000
55	78.0	242.9	98,700
60	76.8	241.8	87,200
65	75.5	240.5	77,800
70	74.3	239.2	70,000
75	73.0	237.7	63,400
80	71.8	236.1	57,700
85	70.5	234.4	52,800
90	69.3	232.6	48,500
95	68.0	230.6	44,700
100	66.7	228.5	41,300
105	65.4	226.3	38,300
110	64.1	224.0	35,600
115	62.7	221.4	33,100
120	61.4	218.8	30,900
125	60.0	216.0	28,800
130	58.6	213.0	26,900
135	57.2	209.9	25,200
140	55.8	206.6	23,600
145	54.3	203.1	22,100
150	52.8	199.4	20,800
155	51.3	195.5	19,500
160	49.8	191.4	18,300
165	48.2	187.0	17,200
170	46.6	182.4	16,100
175	44.9	177.6	15,100
180	43.2	172.4	14,200
185	41.4	166.9	13,300
190	39.6	161.0	12,500
195	37.7	154.8	11,700
200	35.7	148.1	10,900
205	33.6	140.8	10,200
210	31.3	132.9	9,500
215	29.0	124.3	8,900
220	26.4	114.8	8,300
225	23.6	104.1	7,700
230	20.4	91.7	7,100
235	16.6	76.7	6,600

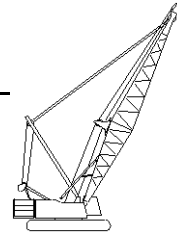
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250.0 ft			
44	81.0	255.1	109,300 *
46	80.6	254.8	108,900 *
48	80.1	254.4	108,500 *
50	79.6	254.1	108,100 *
55	78.5	253.1	98,400
60	77.3	252.0	87,000
65	76.1	250.8	77,600
70	74.9	249.6	69,700
75	73.7	248.1	63,100
80	72.5	246.6	57,400
85	71.3	245.0	52,500
90	70.1	243.2	48,200
95	68.9	241.4	44,400
100	67.7	239.4	41,000
105	66.4	237.3	38,000
110	65.2	235.0	35,300
115	63.9	232.6	32,800
120	62.6	230.1	30,600
125	61.3	227.5	28,500
130	60.0	224.6	26,600
135	58.7	221.7	24,900
140	57.3	218.6	23,300
145	55.9	215.3	21,800
150	54.5	211.8	20,500
155	53.1	208.1	19,200
160	51.7	204.3	18,000
165	50.2	200.2	16,900
170	48.7	196.0	15,800
175	47.2	191.4	14,800
180	45.6	186.7	13,900
185	43.9	181.6	13,000
190	42.3	176.3	12,200
195	40.5	170.6	11,400
200	38.7	164.6	10,600
205	36.9	158.1	9,900
210	34.9	151.2	9,300
215	32.9	143.8	8,600
220	30.7	135.7	8,000
225	28.4	126.9	7,400
230	25.8	117.1	6,800
235	23.1	106.1	6,300
240	19.9	93.4	5,800
245	16.3	78.2	5,300



Liftcrane Boom Capacities

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

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	98,000
60	77.8	262.3	86,500
65	76.7	261.1	77,100
70	75.5	259.9	69,300
75	74.4	258.5	62,700
80	73.2	257.1	57,000
85	72.1	255.5	52,100
90	70.9	253.9	47,700
95	69.7	252.1	43,900
100	68.6	250.2	40,600
105	67.4	248.1	37,500
110	66.2	246.0	34,800
115	65.0	243.7	32,300
120	63.7	241.3	30,100
125	62.5	238.8	28,000
130	61.3	236.1	26,200
135	60.0	233.3	24,400
140	58.7	230.4	22,800
145	57.4	227.2	21,400
150	56.1	224.0	20,000
155	54.8	220.5	18,700
160	53.4	216.9	17,500
165	52.0	213.1	16,400
170	50.6	209.1	15,300
175	49.2	204.9	14,300
180	47.7	200.4	13,400
185	46.2	195.8	12,500
190	44.6	190.8	11,700
195	43.0	185.6	10,900
200	41.4	180.1	10,200
205	39.7	174.3	9,500
210	38.0	168.1	8,800
215	36.1	161.4	8,100
220	34.2	154.4	7,500
225	32.2	146.7	6,900
230	30.1	138.4	6,400
235	27.8	129.4	5,800
240	25.3	119.4	5,300
245	22.6	108.2	4,800
250	19.6	95.2	4,300

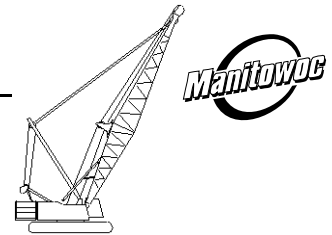
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270.0 ft			
48	80.8	274.7	91,300 *
50	80.4	274.4	90,900 *
55	79.3	273.5	90,000 *
60	78.2	272.5	86,100
65	77.2	271.4	76,700
70	76.1	270.2	68,900
75	75.0	268.9	62,200
80	73.9	267.5	56,500
85	72.8	266.0	51,600
90	71.7	264.4	47,300
95	70.5	262.7	43,400
100	69.4	260.9	40,100
105	68.3	259.0	37,000
110	67.1	256.9	34,300
115	66.0	254.7	31,800
120	64.8	252.4	29,600
125	63.6	250.0	27,500
130	62.4	247.5	25,600
135	61.2	244.8	23,900
140	60.0	242.0	22,300
145	58.8	239.0	20,800
150	57.5	235.9	19,400
155	56.3	232.6	18,200
160	55.0	229.2	17,000
165	53.7	225.6	15,800
170	52.3	221.9	14,800
175	51.0	217.9	13,800
180	49.6	213.8	12,900
185	48.2	209.4	12,000
190	46.7	204.8	11,200
195	45.3	200.0	10,400
200	43.8	194.9	9,600
205	42.2	189.5	8,900
210	40.6	183.9	8,200
215	38.9	177.9	7,600
220	37.2	171.5	7,000
225	35.4	164.7	6,400
230	33.6	157.4	5,800
235	31.6	149.6	5,300
240	29.5	141.1	4,800
245	27.3	131.8	4,300

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	76,200
70	76.6	280.5	68,400
75	75.5	279.3	61,700
80	74.5	277.9	56,000
85	73.4	276.5	51,100
90	72.3	274.9	46,800
95	71.3	273.3	43,000
100	70.2	271.5	39,600
105	69.1	269.7	36,500
110	68.0	267.7	33,800
115	66.9	265.6	31,300
120	65.8	263.4	29,100
125	64.6	261.1	27,000
130	63.5	258.7	25,100
135	62.3	256.1	23,400
140	61.2	253.4	21,800
145	60.0	250.6	20,300
150	58.8	247.7	19,000
155	57.6	244.6	17,700
160	56.4	241.3	16,500
165	55.2	237.9	15,400
170	53.9	234.4	14,300
175	52.6	230.6	13,300
180	51.3	226.7	12,400
185	50.0	222.6	11,500
190	48.6	218.3	10,700
195	47.3	213.8	9,900
200	45.9	209.1	9,100
205	44.4	204.1	8,400
210	42.9	198.9	7,800
215	41.4	193.4	7,100
220	39.8	187.5	6,500
225	38.2	181.4	5,900
230	36.5	174.8	5,400
235	34.8	167.8	4,800
240	32.9	160.4	4,300

Liftcrane Boom Capacities

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

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	68,000
75	76.0	289.6	61,300
80	75.0	288.3	55,600
85	74.0	286.9	50,700
90	73.0	285.4	46,400
95	71.9	283.8	42,600
100	70.9	282.1	39,200
105	69.8	280.4	36,100
110	68.8	278.5	33,400
115	67.7	276.5	30,900
120	66.6	274.4	28,700
125	65.6	272.2	26,600
130	64.5	269.8	24,700
135	63.4	267.4	23,000
140	62.3	264.8	21,400
145	61.1	262.1	19,900
150	60.0	259.3	18,500
155	58.9	256.3	17,300
160	57.7	253.2	16,100
165	56.5	250.0	14,900
170	55.3	246.6	13,900
175	54.1	243.1	12,900
180	52.9	239.4	12,000
185	51.6	235.5	11,100
190	50.4	231.5	10,300
195	49.1	227.2	9,500
200	47.7	222.8	8,700
205	46.4	218.1	8,000
210	45.0	213.3	7,400
215	43.6	208.1	6,700
220	42.2	202.8	6,100
225	40.7	197.1	5,500
230	39.1	191.1	5,000
235	37.5	184.8	4,400

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	60,900
80	75.5	298.6	55,200
85	74.5	297.3	50,200
90	73.5	295.9	45,900
95	72.5	294.3	42,100
100	71.5	292.7	38,700
105	70.5	291.0	35,700
110	69.5	289.2	32,900
115	68.5	287.2	30,400
120	67.5	285.2	28,200
125	66.4	283.1	26,100
130	65.4	280.9	24,300
135	64.3	278.5	22,500
140	63.3	276.1	20,900
145	62.2	273.5	19,400
150	61.1	270.8	18,100
155	60.0	268.0	16,800
160	58.9	265.0	15,600
165	57.8	261.9	14,500
170	56.6	258.7	13,400
175	55.5	255.3	12,400
180	54.3	251.8	11,500
185	53.1	248.1	10,600
190	51.9	244.3	9,800
195	50.7	240.3	9,000
200	49.5	236.1	8,200
205	48.2	231.8	7,500
210	46.9	227.2	6,900
215	45.6	222.4	6,200
220	44.2	217.4	5,600
225	42.8	212.1	5,000
230	41.4	206.6	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	54,700
85	75.0	307.6	49,800
90	74.1	306.3	45,400
95	73.1	304.8	41,600
100	72.2	303.2	38,200
105	71.2	301.6	35,200
110	70.2	299.8	32,400
115	69.2	298.0	29,900
120	68.2	296.0	27,700
125	67.2	294.0	25,600
130	66.2	291.8	23,700
135	65.2	289.6	22,000
140	64.2	287.2	20,400
145	63.2	284.7	18,900
150	62.1	282.1	17,500
155	61.1	279.4	16,200
160	60.0	276.6	15,000
165	58.9	273.7	13,900
170	57.8	270.6	12,900
175	56.7	267.4	11,900
180	55.6	264.0	10,900
185	54.5	260.5	10,100
190	53.4	256.9	9,200
195	52.2	253.1	8,400
200	51.0	249.1	7,700
205	49.8	245.0	7,000
210	48.6	240.7	6,300
215	47.4	236.2	5,700
220	46.1	231.5	5,100
225	44.8	226.6	4,500