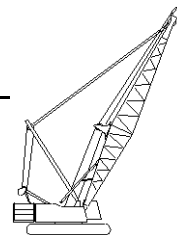




Liftcrane Boom Capacities

Boom No. 22E With Light Tapered Top
149,600 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements



999 SERIES 1

LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. 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.

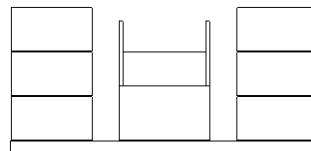
BOOM POINT ELEVATION: Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

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 and 149,600 Lb. counterweight.

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) 280 Ft.	(a) 260 Ft.
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 280 Ft. boom and cannot be lifted over side of crawlers on 260 Ft. boom.	



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

Liftcrane Boom Capacities

Boom No. 22E With Light Tapered Top
149,600 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements



999 SERIES 1

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	246,300
28	77.9	115.7	217,900
30	76.9	115.3	195,200
32	75.8	114.8	176,700
34	74.7	114.3	161,200
36	73.6	113.7	148,100
38	72.5	113.1	136,800
40	71.4	112.4	127,100
42	70.3	111.7	118,600
44	69.2	111.0	111,100
46	68.1	110.2	104,400
48	67.0	109.4	98,400
50	65.9	108.5	93,000
55	63.0	106.1	81,600
60	60.0	103.4	72,500
65	56.9	100.3	65,100
70	53.8	96.9	58,800
75	50.5	93.0	53,600
80	47.0	88.6	49,000
85	43.3	83.7	45,100
90	39.4	78.0	41,700
95	35.1	71.4	38,600
100	30.3	63.6	35,900
105	24.6	54.0	33,400
110	17.3	40.9	31,200

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	246,800
28	78.9	125.9	218,300
30	78.0	125.5	195,500
32	77.0	125.1	176,800
34	76.0	124.6	161,200
36	75.0	124.1	148,100
38	74.0	123.5	136,800
40	73.0	122.9	127,000
42	72.0	122.3	118,500
44	71.0	121.6	110,900
46	70.0	120.9	104,200
48	69.0	120.2	98,200
50	68.0	119.4	92,800
55	65.4	117.2	81,400
60	62.7	114.8	72,200
65	60.0	112.1	64,700
70	57.2	109.0	58,500
75	54.3	105.6	53,200
80	51.3	101.8	48,600
85	48.2	97.6	44,700
90	44.9	92.8	41,200
95	41.4	87.5	38,200
100	37.7	81.5	35,500
105	33.6	74.5	33,000
110	29.0	66.2	30,800
115	23.6	56.1	28,800
120	16.6	42.4	26,900

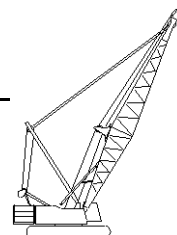
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130.0 ft			
26	80.7	136.4	246,800
28	79.8	136.1	218,200
30	78.9	135.7	195,300
32	78.0	135.3	176,600
34	77.1	134.9	161,000
36	76.2	134.4	147,900
38	75.3	133.9	136,500
40	74.4	133.4	126,700
42	73.5	132.8	118,200
44	72.5	132.2	110,600
46	71.6	131.5	103,900
48	70.7	130.8	97,800
50	69.7	130.1	92,400
55	67.4	128.1	81,000
60	65.0	125.9	71,800
65	62.5	123.5	64,300
70	60.0	120.7	58,000
75	57.4	117.7	52,700
80	54.8	114.3	48,200
85	52.0	110.6	44,300
90	49.2	106.5	40,800
95	46.2	102.0	37,700
100	43.0	96.9	35,000
105	39.7	91.2	32,600
110	36.1	84.8	30,400
115	32.2	77.4	28,400
120	27.8	68.8	26,500
125	22.6	58.2	24,800
130	15.9	43.8	23,300



Liftcrane Boom Capacities

Boom No. 22E With Light Tapered Top
149,600 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements



999 SERIES 1

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140.0 ft			
28	80.5	146.2	218,000
30	79.7	145.9	195,100
32	78.9	145.5	176,400
34	78.0	145.1	160,800
36	77.2	144.7	147,600
38	76.4	144.2	136,200
40	75.5	143.7	126,400
42	74.7	143.2	117,900
44	73.8	142.6	110,300
46	73.0	142.0	103,500
48	72.1	141.4	97,500
50	71.3	140.7	92,100
55	69.1	138.9	80,600
60	66.9	136.9	71,500
65	64.6	134.6	64,000
70	62.3	132.1	57,700
75	60.0	129.4	52,400
80	57.6	126.4	47,900
85	55.2	123.0	43,900
90	52.6	119.4	40,400
95	50.0	115.4	37,400
100	47.3	111.0	34,700
105	44.4	106.1	32,200
110	41.4	100.8	30,000
115	38.2	94.8	28,000
120	34.8	88.0	26,200
125	31.0	80.3	24,600
130	26.8	71.2	23,000
135	21.8	60.1	21,600
140	15.4	45.2	20,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150.0 ft			
30	80.4	156.1	194,900
32	79.6	155.7	176,200
34	78.9	155.3	160,500
36	78.1	154.9	147,300
38	77.3	154.5	136,000
40	76.5	154.0	126,100
42	75.7	153.5	117,500
44	74.9	153.0	109,900
46	74.1	152.4	103,200
48	73.3	151.9	97,100
50	72.5	151.2	91,700
55	70.5	149.6	80,200
60	68.5	147.7	71,000
65	66.4	145.6	63,500
70	64.3	143.3	57,200
75	62.2	140.8	51,900
80	60.0	138.1	47,400
85	57.8	135.0	43,400
90	55.5	131.7	40,000
95	53.1	128.1	36,900
100	50.7	124.2	34,200
105	48.2	119.9	31,700
110	45.6	115.3	29,500
115	42.8	110.1	27,600
120	39.9	104.4	25,700
125	36.9	98.2	24,100
130	33.6	91.1	22,500
135	29.9	83.0	21,100
140	25.8	73.5	19,800
145	21.0	62.0	18,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160.0 ft			
30	81.0	166.2	194,600
32	80.3	165.9	175,900
34	79.6	165.5	160,200
36	78.8	165.1	147,000
38	78.1	164.7	135,600
40	77.4	164.3	125,800
42	76.6	163.8	117,200
44	75.9	163.3	109,600
46	75.2	162.8	102,800
48	74.4	162.3	96,800
50	73.7	161.7	91,300
55	71.8	160.1	79,800
60	69.9	158.4	70,600
65	68.0	156.5	63,100
70	66.0	154.4	56,800
75	64.1	152.0	51,500
80	62.0	149.5	47,000
85	60.0	146.7	43,000
90	57.9	143.7	39,600
95	55.8	140.4	36,500
100	53.6	136.9	33,800
105	51.3	133.1	31,300
110	49.0	128.9	29,100
115	46.6	124.3	27,200
120	44.0	119.4	25,300
125	41.4	114.0	23,700
130	38.6	108.0	22,200
135	35.7	101.4	20,800
140	32.5	94.0	19,500
145	29.0	85.6	18,200
150	25.0	75.8	17,100
155	20.4	63.8	16,000

Liftcrane Boom Capacities

Boom No. 22E With Light Tapered Top
149,600 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements



999 SERIES 1

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170.0 ft			
32	80.9	176.0	175,700
34	80.2	175.7	160,000
36	79.5	175.3	146,800
38	78.8	174.9	135,400
40	78.1	174.5	125,600
42	77.4	174.1	116,900
44	76.7	173.6	109,300
46	76.0	173.1	102,600
48	75.3	172.6	96,500
50	74.7	172.1	91,100
55	72.9	170.6	79,600
60	71.1	169.0	70,400
65	69.3	167.2	62,900
70	67.5	165.2	56,600
75	65.7	163.1	51,300
80	63.8	160.7	46,700
85	61.9	158.1	42,700
90	60.0	155.4	39,300
95	58.0	152.4	36,200
100	56.0	149.1	33,500
105	54.0	145.6	31,100
110	51.9	141.8	28,900
115	49.7	137.8	26,900
120	47.4	133.4	25,100
125	45.1	128.6	23,400
130	42.7	123.4	21,900
135	40.1	117.7	20,500
140	37.4	111.5	19,200
145	34.6	104.6	18,000
150	31.5	96.9	16,900
155	28.1	88.2	15,800
160	24.2	78.0	14,800
165	19.7	65.6	13,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180.0 ft			
34	80.7	185.8	159,700
36	80.1	185.5	146,400
38	79.4	185.1	135,000
40	78.8	184.7	125,200
42	78.1	184.3	116,600
44	77.5	183.9	109,000
46	76.8	183.4	102,200
48	76.2	182.9	96,100
50	75.5	182.4	90,700
55	73.9	181.1	79,200
60	72.2	179.5	70,000
65	70.5	177.9	62,400
70	68.8	176.0	56,200
75	67.1	174.0	50,800
80	65.4	171.8	46,300
85	63.6	169.4	42,300
90	61.8	166.8	38,900
95	60.0	164.0	35,800
100	58.1	161.0	33,100
105	56.3	157.8	30,700
110	54.3	154.4	28,500
115	52.3	150.6	26,500
120	50.3	146.6	24,700
125	48.2	142.3	23,000
130	46.0	137.7	21,500
135	43.8	132.6	20,100
140	41.4	127.2	18,800
145	38.9	121.3	17,600
150	36.3	114.8	16,500
155	33.6	107.7	15,400
160	30.6	99.7	14,500
165	27.3	90.6	13,500
170	23.6	80.1	12,700
175	19.2	67.3	11,800

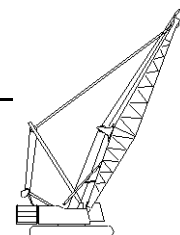
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190.0 ft			
36	80.6	195.6	146,200
38	80.0	195.3	134,800
40	79.4	194.9	124,900
42	78.8	194.5	116,300
44	78.2	194.1	108,600
46	77.5	193.7	101,800
48	76.9	193.2	95,800
50	76.3	192.7	90,300
55	74.7	191.4	78,800
60	73.2	190.0	69,600
65	71.6	188.4	62,000
70	70.0	186.7	55,700
75	68.4	184.8	50,400
80	66.8	182.7	45,800
85	65.1	180.5	41,800
90	63.4	178.1	38,400
95	61.7	175.5	35,300
100	60.0	172.7	32,600
105	58.2	169.7	30,100
110	56.5	166.5	28,000
115	54.6	163.1	26,000
120	52.8	159.4	24,200
125	50.8	155.5	22,500
130	48.9	151.2	21,000
135	46.8	146.7	19,600
140	44.7	141.8	18,300
145	42.5	136.6	17,100
150	40.3	130.9	16,000
155	37.9	124.8	14,900
160	35.3	118.0	13,900
165	32.6	110.6	13,000
170	29.7	102.3	12,200
175	26.5	93.0	11,300
180	22.9	82.1	10,600
185	18.7	69.0	9,800



Liftcrane Boom Capacities

Boom No. 22E With Light Tapered Top
149,600 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements



999 SERIES 1

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200.0 ft			
38	80.5	205.4	134,400
40	79.9	205.1	124,500
42	79.3	204.7	115,900
44	78.8	204.3	108,200
46	78.2	203.9	101,400
48	77.6	203.5	95,400
50	77.0	203.0	89,900
55	75.5	201.8	78,400
60	74.0	200.4	69,100
65	72.5	198.9	61,600
70	71.0	197.3	55,300
75	69.5	195.5	49,900
80	68.0	193.6	45,400
85	66.4	191.4	41,400
90	64.8	189.2	37,900
95	63.3	186.8	34,900
100	61.6	184.1	32,100
105	60.0	181.4	29,700
110	58.3	178.4	27,500
115	56.6	175.2	25,500
120	54.9	171.8	23,700
125	53.1	168.1	22,100
130	51.3	164.3	20,500
135	49.5	160.1	19,100
140	47.5	155.7	17,800
145	45.6	151.0	16,600
150	43.5	145.9	15,500
155	41.4	140.4	14,500
160	39.2	134.5	13,500
165	36.9	128.1	12,600
170	34.4	121.2	11,700
175	31.8	113.5	10,900
180	29.0	105.0	10,200
185	25.8	95.3	9,400
190	22.3	84.1	8,700
195	18.2	70.6	8,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210.0 ft			
38	81.0	215.5	134,200
40	80.4	215.2	124,300
42	79.9	214.9	115,700
44	79.3	214.5	108,000
46	78.7	214.1	101,200
48	78.2	213.7	95,100
50	77.6	213.3	89,700
55	76.2	212.1	78,100
60	74.8	210.8	68,800
65	73.4	209.4	61,300
70	72.0	207.8	55,000
75	70.5	206.1	49,600
80	69.1	204.3	45,000
85	67.6	202.3	41,100
90	66.1	200.2	37,600
95	64.6	197.9	34,500
100	63.1	195.4	31,800
105	61.6	192.8	29,300
110	60.0	190.0	27,100
115	58.4	187.0	25,100
120	56.8	183.9	23,300
125	55.2	180.5	21,700
130	53.5	176.9	20,200
135	51.8	173.1	18,800
140	50.0	169.0	17,500
145	48.2	164.7	16,300
150	46.3	160.1	15,100
155	44.4	155.1	14,100
160	42.4	149.8	13,100
165	40.4	144.2	12,200
170	38.2	138.1	11,400
175	36.0	131.4	10,600
180	33.6	124.2	9,800
185	31.0	116.3	9,100
190	28.2	107.5	8,400
195	25.2	97.6	7,700
200	21.8	86.1	7,100
205	17.8	72.2	6,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220.0 ft			
40	80.8	225.4	123,800
42	80.3	225.0	115,100
44	79.8	224.7	107,500
46	79.3	224.3	100,700
48	78.7	223.9	94,600
50	78.2	223.5	89,100
55	76.9	222.4	77,600
60	75.5	221.2	68,300
65	74.2	219.8	60,800
70	72.8	218.3	54,500
75	71.4	216.7	49,100
80	70.1	215.0	44,600
85	68.7	213.1	40,600
90	67.3	211.1	37,100
95	65.9	208.9	34,000
100	64.4	206.6	31,300
105	63.0	204.1	28,900
110	61.5	201.5	26,700
115	60.0	198.7	24,700
120	58.5	195.7	22,900
125	56.9	192.5	21,200
130	55.4	189.2	19,700
135	53.8	185.6	18,300
140	52.1	181.9	17,000
145	50.5	177.9	15,800
150	48.8	173.6	14,700
155	47.0	169.1	13,700
160	45.2	164.3	12,700
165	43.3	159.1	11,800
170	41.4	153.7	10,900
175	39.4	147.8	10,100
180	37.3	141.5	9,400
185	35.1	134.6	8,700
190	32.8	127.2	8,000
195	30.3	119.1	7,300
200	27.6	110.0	6,700
205	24.6	99.8	6,100
210	21.3	88.0	5,600
215	17.3	73.7	5,000

Liftcrane Boom Capacities

Boom No. 22E With Light Tapered Top
149,600 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements



999 SERIES 1

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230.0 ft			
42	80.7	235.1	114,800
44	80.2	234.8	107,200
46	79.7	234.5	100,400
48	79.2	234.1	94,300
50	78.7	233.7	88,800
55	77.4	232.6	77,200
60	76.2	231.5	67,900
65	74.9	230.2	60,400
70	73.6	228.8	54,000
75	72.3	227.2	48,700
80	71.0	225.6	44,100
85	69.6	223.8	40,100
90	68.3	221.9	36,600
95	67.0	219.8	33,600
100	65.6	217.6	30,800
105	64.2	215.3	28,400
110	62.8	212.8	26,200
115	61.4	210.1	24,200
120	60.0	207.3	22,400
125	58.6	204.4	20,700
130	57.1	201.2	19,200
135	55.6	197.9	17,800
140	54.1	194.4	16,500
145	52.5	190.6	15,300
150	50.9	186.7	14,200
155	49.3	182.5	13,100
160	47.6	178.1	12,200
165	45.9	173.4	11,300
170	44.2	168.4	10,400
175	42.3	163.1	9,600
180	40.5	157.4	8,900
185	38.5	151.3	8,100
190	36.5	144.8	7,500
195	34.3	137.8	6,800
200	32.0	130.1	6,200
205	29.6	121.7	5,600
210	27.0	112.4	5,100
215	24.1	102.0	4,500
220	20.8	89.8	4,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240.0 ft			
44	80.6	245.0	106,800
46	80.2	244.6	99,900
48	79.7	244.3	93,800
50	79.2	243.9	88,400
55	78.0	242.9	76,800
60	76.8	241.8	67,500
65	75.5	240.5	59,900
70	74.3	239.2	53,600
75	73.0	237.7	48,200
80	71.8	236.1	43,600
85	70.5	234.4	39,600
90	69.3	232.6	36,200
95	68.0	230.6	33,100
100	66.7	228.5	30,400
105	65.4	226.3	27,900
110	64.1	224.0	25,700
115	62.7	221.4	23,700
120	61.4	218.8	21,900
125	60.0	216.0	20,200
130	58.6	213.0	18,700
135	57.2	209.9	17,300
140	55.8	206.6	16,000
145	54.3	203.1	14,800
150	52.8	199.4	13,700
155	51.3	195.5	12,700
160	49.8	191.4	11,700
165	48.2	187.0	10,800
170	46.6	182.4	9,900
175	44.9	177.6	9,100
180	43.2	172.4	8,400
185	41.4	166.9	7,700
190	39.6	161.0	7,000
195	37.7	154.8	6,400
200	35.7	148.1	5,700
205	33.6	140.8	5,200
210	31.3	132.9	4,600
215	29.0	124.3	4,100

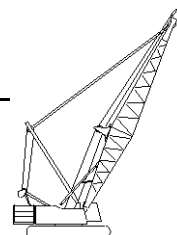
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250.0 ft			
44	81.0	255.1	106,600
46	80.6	254.8	99,700
48	80.1	254.4	93,600
50	79.6	254.1	88,100
55	78.5	253.1	76,500
60	77.3	252.0	67,200
65	76.1	250.8	59,600
70	74.9	249.6	53,300
75	73.7	248.1	47,900
80	72.5	246.6	43,300
85	71.3	245.0	39,400
90	70.1	243.2	35,900
95	68.9	241.4	32,800
100	67.7	239.4	30,100
105	66.4	237.3	27,600
110	65.2	235.0	25,400
115	63.9	232.6	23,400
120	62.6	230.1	21,600
125	61.3	227.5	19,900
130	60.0	224.6	18,400
135	58.7	221.7	17,000
140	57.3	218.6	15,700
145	55.9	215.3	14,500
150	54.5	211.8	13,400
155	53.1	208.1	12,400
160	51.7	204.3	11,400
165	50.2	200.2	10,500
170	48.7	196.0	9,600
175	47.2	191.4	8,800
180	45.6	186.7	8,100
185	43.9	181.6	7,400
190	42.3	176.3	6,700
195	40.5	170.6	6,100
200	38.7	164.6	5,400
205	36.9	158.1	4,900
210	34.9	151.2	4,300



Liftcrane Boom Capacities

Boom No. 22E With Light Tapered Top
149,600 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements



999 SERIES 1

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260.0 ft			
46	80.9	264.9	99,300
48	80.5	264.6	93,200
50	80.0	264.2	87,700
55	78.9	263.3	76,100
60	77.8	262.3	66,800
65	76.7	261.1	59,200
70	75.5	259.9	52,800
75	74.4	258.5	47,500
80	73.2	257.1	42,900
85	72.1	255.5	38,900
90	70.9	253.9	35,400
95	69.7	252.1	32,300
100	68.6	250.2	29,600
105	67.4	248.1	27,100
110	66.2	246.0	24,900
115	65.0	243.7	22,900
120	63.7	241.3	21,100
125	62.5	238.8	19,500
130	61.3	236.1	17,900
135	60.0	233.3	16,500
140	58.7	230.4	15,200
145	57.4	227.2	14,000
150	56.1	224.0	12,900
155	54.8	220.5	11,900
160	53.4	216.9	10,900
165	52.0	213.1	10,000
170	50.6	209.1	9,200
175	49.2	204.9	8,400
180	47.7	200.4	7,600
185	46.2	195.8	6,900
190	44.6	190.8	6,200
195	43.0	185.6	5,600
200	41.4	180.1	5,000
205	39.7	174.3	4,400

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	87,300
55	79.3	273.5	75,700
60	78.2	272.5	66,400
65	77.2	271.4	58,800
70	76.1	270.2	52,400
75	75.0	268.9	47,000
80	73.9	267.5	42,400
85	72.8	266.0	38,400
90	71.7	264.4	34,900
95	70.5	262.7	31,800
100	69.4	260.9	29,100
105	68.3	259.0	26,600
110	67.1	256.9	24,400
115	66.0	254.7	22,400
120	64.8	252.4	20,600
125	63.6	250.0	18,900
130	62.4	247.5	17,400
135	61.2	244.8	16,000
140	60.0	242.0	14,700
145	58.8	239.0	13,500
150	57.5	235.9	12,400
155	56.3	232.6	11,400
160	55.0	229.2	10,400
165	53.7	225.6	9,500
170	52.3	221.9	8,600
175	51.0	217.9	7,800
180	49.6	213.8	7,100
185	48.2	209.4	6,400
190	46.7	204.8	5,700
195	45.3	200.0	5,000
200	43.8	194.9	4,400

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	75,200
60	78.7	282.7	65,900
65	77.6	281.6	58,300
70	76.6	280.5	51,900
75	75.5	279.3	46,600
80	74.5	277.9	41,900
85	73.4	276.5	37,900
90	72.3	274.9	34,400
95	71.3	273.3	31,400
100	70.2	271.5	28,600
105	69.1	269.7	26,200
110	68.0	267.7	23,900
115	66.9	265.6	21,900
120	65.8	263.4	20,100
125	64.6	261.1	18,500
130	63.5	258.7	16,900
135	62.3	256.1	15,500
140	61.2	253.4	14,200
145	60.0	250.6	13,000
150	58.8	247.7	11,900
155	57.6	244.6	10,900
160	56.4	241.3	9,900
165	55.2	237.9	9,000
170	53.9	234.4	8,100
175	52.6	230.6	7,300
180	51.3	226.7	6,600
185	50.0	222.6	5,900
190	48.6	218.3	5,200
195	47.3	213.8	4,600