

Liftcrane Boom Capacities

4000W

**Boom No. 17 With Open Throat Top
104,400 lb Counterweight
24 ft Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Static Machine List
No Travel - 360 Degree Rating**

LIFTING CAPACITIES: Lifting capacities are for a crawler machine when operating on a barge. Machine shall be positively secured to prevent shifting. 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 28,300 lb (20,000 lb when rear auxiliary drum is used). 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 on a firm uniformly supporting surface with crawlers fully extended, gantry up and machine list not to exceed degrees noted. Refer to boom rigging **No. 43160, No. 43314, No. 43991 or No. 48202** and Wire Rope Specification chart **No. 5308**.

Crane operator judgement 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 service manual for operating guidelines.

Operating Radius: Operating radius is horizontal distance from axis of rotation at barge deck 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 barge deck to centerline of boom point shaft

MACHINE EQUIPMENT: Machine equipped with 24 ft extendible crawlers, 48 in. treads, 15 ft retractable gantry, 10 or 12 part boom hoist reeving, two 2 in. boom pendants, first counterweight equals 40,100 lb, second counterweight equals 35,800 lb, third counterweight equals 28,500 lb.

Maximum Boom Lengths Lifted Unassisted		
List	Over Front of Blocked Crawlers	Over Side of Extended Crawlers
	Boom Length	Boom Length
0 Degree	220 ft	210 ft
1 Degree	210 ft	200 ft
2 Degree	210 ft	200 ft
3 Degree	210 ft	200 ft
Load block, hook and weight ball on barge deck at start. Jib is not to be used on crawler machine while operating on a barge.		

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60.0 ft Boom							
16	78.1	65.8	300,000 *	255,000 *	214,300 *	167,300 *	16
17	77.2	65.6	299,700 *	250,500 *	214,000 *	167,100 *	17
18	76.2	65.4	284,800 *	246,300 *	213,800 *	167,000 *	18
19	75.2	65.1	267,800 *	242,100 *	212,100 *	166,800 *	19
20	74.2	64.8	251,700 *	227,800	206,500	166,700 *	20
22	72.2	64.2	214,100	195,200	179,100	165,300	22
24	70.2	63.5	185,000	170,500	158,000	147,000	24
26	68.1	62.8	162,700	151,300	141,200	132,300	26
28	66.1	61.9	145,000	135,800	127,600	120,200	28
30	64.0	61.0	130,700	123,100	116,200	110,000	30
32	61.8	60.0	118,900	112,500	106,700	101,400	32
34	59.6	58.9	108,900	103,400	98,500	94,000	34
36	57.4	57.6	100,400	95,700	91,500	87,500	36
38	55.1	56.3	93,100	89,000	85,300	81,800	38
40	52.7	54.8	86,700	83,100	79,900	76,800	40
45	46.5	50.6	73,800	71,200	68,800	66,600	45
50	39.4	45.2	64,100	62,100	60,300	58,600	50
55	31.2	38.2	56,400	54,900	53,600	52,400	55
60	20.1	27.8	50,300	49,200	48,300	47,400	60

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70.0 ft Boom							
16	79.9	76.0	287,400 *	232,800 *	199,600 *		16
17	79.0	75.8	279,800 *	228,800 *	196,700 *	160,000 *	17
18	78.2	75.6	273,600 *	225,100 *	193,800 *	159,800 *	18
19	77.3	75.4	259,800 *	221,400 *	191,000 *	159,600 *	19
20	76.5	75.2	244,400 *	217,900 *	188,400 *	159,400 *	20
22	74.8	74.7	213,700	192,200	174,400	159,000 *	22
24	73.1	74.1	184,600	168,100	154,100	142,100	24
26	71.4	73.4	162,200	149,200	137,900	128,100	26
28	69.7	72.7	144,500	134,000	124,700	116,500	28
30	67.9	72.0	130,200	121,400	113,700	106,800	30
32	66.1	71.1	118,300	111,000	104,400	98,500	32
34	64.3	70.2	108,400	102,100	96,500	91,300	34
36	62.5	69.2	99,900	94,400	89,600	85,100	36
38	60.6	68.1	92,500	87,800	83,500	79,600	38
40	58.7	66.9	86,100	82,000	78,200	74,700	40
45	53.8	63.6	73,200	70,100	67,300	64,700	45
50	48.6	59.6	63,400	61,100	58,900	56,900	50
55	42.8	54.7	55,800	53,900	52,300	50,700	55
60	36.4	48.7	49,600	48,200	46,900	45,600	60
65	28.8	40.8	44,600	43,400	42,400	41,500	65
70	18.6	29.5	40,300	39,500	38,700	38,000	70

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80.0 ft Boom							
16	81.1	86.1	259,400 *				16
17	80.4	86.0	252,400 *	209,600 *			17
18	79.7	85.8	245,800 *	206,300 *	175,500 *		18
19	78.9	85.6	239,600 *	203,100 *	173,100 *	151,100 *	19
20	78.2	85.4	232,100 *	200,000 *	170,800 *	149,300 *	20
22	76.8	85.0	212,800 *	189,600	166,400 *	145,800 *	22
24	75.3	84.5	184,400	166,000	150,700	137,700	24
26	73.8	83.9	162,000	147,400	135,100	124,400	26
28	72.3	83.3	144,300	132,500	122,300	113,300	28
30	70.8	82.6	130,000	120,100	111,600	104,000	30
32	69.3	81.9	118,100	109,800	102,500	96,000	32
34	67.7	81.1	108,100	101,000	94,800	89,100	34
36	66.2	80.3	99,600	93,500	88,000	83,100	36
38	64.6	79.4	92,200	86,900	82,100	77,800	38
40	63.0	78.4	85,800	81,100	76,900	73,100	40
45	58.9	75.6	72,900	69,400	66,300	63,300	45
50	54.6	72.3	63,200	60,400	58,000	55,700	50
55	50.1	68.5	55,500	53,300	51,400	49,600	55
60	45.2	63.9	49,300	47,600	46,000	44,600	60
65	39.9	58.5	44,300	42,900	41,600	40,400	65
70	34.0	51.8	40,000	38,900	37,900	36,900	70
75	26.9	43.3	36,400	35,500	34,700	33,900	75
80	17.4	31.0	33,400	32,600	32,000	31,400	80

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90.0 ft Boom							
16	82.1	96.2	248,000 *				16
17	81.5	96.1	241,200 *				17
18	80.8	95.9	234,700 *	189,500 *			18
19	80.2	95.8	227,000 *	186,700 *			19
20	79.5	95.6	221,500 *	184,100 *	155,600 *		20
22	78.2	95.2	208,000 *	179,000 *	151,800 *	132,000 *	22
24	76.9	94.8	184,200	163,900	147,400	129,200 *	24
26	75.6	94.3	161,800	145,700	132,300	120,900	26
28	74.3	93.8	144,100	131,000	119,900	110,300	28
30	73.0	93.2	129,700	118,900	109,600	101,400	30
32	71.7	92.5	117,800	108,700	100,700	93,700	32
34	70.3	91.8	107,900	100,000	93,200	87,100	34
36	68.9	91.1	99,300	92,600	86,600	81,200	36
38	67.6	90.3	92,000	86,100	80,800	76,100	38
40	66.2	89.4	85,600	80,400	75,700	71,500	40
45	62.7	87.1	72,700	68,700	65,200	62,000	45
50	59.0	84.3	62,900	59,800	57,100	54,500	50
55	55.2	81.0	55,200	52,800	50,600	48,500	55
60	51.2	77.3	49,100	47,100	45,300	43,600	60
65	47.0	73.0	44,000	42,300	40,900	39,500	65
70	42.5	67.9	39,700	38,400	37,200	36,000	70
75	37.6	62.0	36,100	35,000	34,000	33,000	75
80	32.0	54.8	33,100	32,100	31,300	30,500	80
85	25.4	45.6	30,400	29,600	28,900	28,300	85
90	16.4	32.5	28,000	27,400	26,900	26,400	90

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100.0 ft Boom							
18	81.8	106.1	224,500 *				18
19	81.2	105.9	218,500 *				19
20	80.6	105.8	213,100 *	169,700 *			20
22	79.4	105.4	202,900 *	165,200 *	138,800 *		22
24	78.3	105.0	183,600 *	160,900 *	135,600 *	117,400 *	24
26	77.1	104.6	161,400	143,800	129,400	115,000 *	26
28	75.9	104.1	143,700	129,400	117,400	107,200	28
30	74.7	103.6	129,300	117,400	107,300	98,600	30
32	73.5	103.0	117,400	107,300	98,800	91,200	32
34	72.3	102.4	107,400	98,800	91,400	84,800	34
36	71.1	101.7	98,800	91,400	84,900	79,100	36
38	69.9	101.0	91,500	85,000	79,300	74,100	38
40	68.7	100.3	85,100	79,300	74,300	69,700	40
45	65.6	98.2	72,100	67,800	63,900	60,400	45
50	62.4	95.7	62,300	58,900	55,900	53,100	50
55	59.1	92.9	54,600	51,900	49,500	47,200	55
60	55.7	89.7	48,500	46,300	44,300	42,400	60
65	52.2	86.1	43,400	41,500	39,900	38,400	65
70	48.4	81.9	39,100	37,600	36,200	34,900	70
75	44.5	77.2	35,500	34,200	33,100	32,000	75
80	40.2	71.7	32,400	31,300	30,400	29,400	80
85	35.6	65.3	29,800	28,800	28,000	27,200	85
90	30.3	57.6	27,400	26,600	25,900	25,200	90
95	24.0	47.8	25,300	24,600	24,100	23,500	95
100	15.6	33.9	23,500	22,900	22,500	22,000	100

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110.0 ft Boom							
19	82.0	116.0	212,500 *				19
20	81.5	115.9	207,100 *				20
22	80.4	115.6	197,000 *	152,700 *			22
24	79.3	115.2	179,300 *	149,000 *	124,500 *		24
26	78.3	114.8	161,100	142,100	122,000 *	105,100 *	26
28	77.2	114.4	143,300	127,900	115,100	103,200 *	28
30	76.1	113.9	129,000	116,100	105,300	96,200	30
32	75.1	113.4	117,000	106,200	97,000	89,000	32
34	74.0	112.8	107,000	97,700	89,800	82,800	34
36	72.9	112.2	98,500	90,400	83,500	77,300	36
38	71.8	111.6	91,100	84,100	77,900	72,500	38
40	70.7	110.9	84,700	78,500	73,000	68,200	40
45	67.9	109.0	71,800	67,100	62,900	59,100	45
50	65.1	106.9	62,000	58,300	55,000	52,000	50
55	62.2	104.4	54,300	51,300	48,700	46,200	55
60	59.2	101.6	48,100	45,700	43,500	41,500	60
65	56.1	98.4	43,000	41,000	39,200	37,500	65
70	52.9	94.8	38,800	37,100	35,600	34,100	70
75	49.6	90.8	35,200	33,700	32,400	31,200	75
80	46.1	86.3	32,100	30,800	29,700	28,700	80
85	42.3	81.2	29,400	28,300	27,400	26,400	85
90	38.3	75.3	27,000	26,100	25,300	24,500	90
95	33.9	68.4	24,900	24,100	23,400	22,800	95
100	28.9	60.2	23,100	22,400	21,800	21,200	100
105	22.9	49.9	21,400	20,800	20,300	19,800	105

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120.0 ft Boom							
22	81.2	125.7	187,700 *				22
24	80.2	125.4	176,200 *	136,700 *			24
26	79.3	125.0	160,600 *	133,100 *	112,500 *		26
28	78.3	124.6	143,000	126,400	110,300 *	94,800 *	28
30	77.3	124.2	128,600	114,800	103,400	93,100 *	30
32	76.3	123.7	116,700	105,000	95,300	86,900	32
34	75.4	123.2	106,700	96,700	88,200	80,900	34
36	74.4	122.7	98,200	89,500	82,100	75,600	36
38	73.4	122.1	90,800	83,200	76,700	70,900	38
40	72.4	121.5	84,400	77,700	71,800	66,700	40
45	69.9	119.8	71,400	66,300	61,900	57,900	45
50	67.3	117.8	61,600	57,600	54,100	50,900	50
55	64.7	115.6	53,900	50,700	47,900	45,300	55
60	62.0	113.1	47,700	45,100	42,800	40,600	60
65	59.3	110.2	42,700	40,500	38,500	36,700	65
70	56.4	107.1	38,400	36,600	34,900	33,300	70
75	53.5	103.6	34,800	33,200	31,800	30,500	75
80	50.5	99.7	31,700	30,300	29,100	28,000	80
85	47.3	95.3	29,000	27,800	26,800	25,800	85
90	44.0	90.4	26,700	25,600	24,700	23,800	90
95	40.4	84.9	24,600	23,600	22,900	22,100	95
100	36.6	78.7	22,700	21,900	21,200	20,500	100
105	32.4	71.4	21,000	20,300	19,700	19,200	105
110	27.6	62.7	19,500	18,900	18,400	17,900	110
115	21.9	51.9	18,200	17,600	17,200	16,800	115

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130.0 ft Boom							
22	81.9	135.8	181,300 *				22
24	81.0	135.5	172,500 *	128,700 *			24
26	80.1	135.2	157,100 *	126,000 *			26
28	79.2	134.8	142,600	123,300 *	102,100 *		28
30	78.3	134.4	128,200	113,400	100,200 *	85,700 *	30
32	77.4	134.0	116,300	103,800	93,500	84,300 *	32
34	76.5	133.5	106,300	95,500	86,600	78,900	34
36	75.6	133.0	97,700	88,400	80,500	73,800	36
38	74.7	132.5	90,300	82,200	75,200	69,200	38
40	73.8	131.9	83,900	76,700	70,500	65,100	40
45	71.5	130.4	70,900	65,500	60,700	56,500	45
50	69.1	128.6	61,100	56,800	53,100	49,700	50
55	66.7	126.5	53,400	50,000	46,900	44,100	55
60	64.3	124.3	47,200	44,400	41,900	39,500	60
65	61.8	121.7	42,100	39,700	37,600	35,700	65
70	59.3	118.9	37,900	35,800	34,100	32,400	70
75	56.7	115.8	34,200	32,500	31,000	29,500	75
80	54.0	112.3	31,100	29,600	28,300	27,100	80
85	51.3	108.5	28,400	27,100	26,000	24,900	85
90	48.4	104.3	26,100	24,900	23,900	23,000	90
95	45.4	99.6	24,000	23,000	22,100	21,200	95
100	42.2	94.4	22,100	21,200	20,400	19,700	100
105	38.8	88.5	20,500	19,700	19,000	18,300	105
110	35.1	81.9	18,900	18,200	17,600	17,100	110
115	31.1	74.2	17,600	17,000	16,400	15,900	115
120	26.5	65.1	16,300	15,800	15,300	14,900	120
125	21.0	53.8	15,200	14,700	14,400	14,000	125

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140.0 ft Boom							
24	81.6	145.6	162,500 *				24
26	80.8	145.3	154,800 *	117,000 *			26
28	80.0	145.0	142,200 *	114,600 *	94,400 *		28
30	79.2	144.6	127,900	112,100	92,700 *		30
32	78.3	144.2	115,900	102,600	91,100 *	77,700 *	32
34	77.5	143.8	105,900	94,500	85,000	76,500 *	34
36	76.6	143.3	97,300	87,400	79,200	72,100	36
38	75.8	142.8	89,900	81,300	74,000	67,600	38
40	75.0	142.3	83,500	75,900	69,300	63,600	40
45	72.8	140.9	70,500	64,700	59,700	55,200	45
50	70.7	139.2	60,700	56,200	52,200	48,600	50
55	68.5	137.4	53,000	49,300	46,100	43,200	55
60	66.3	135.3	46,800	43,800	41,100	38,700	60
65	64.0	132.9	41,700	39,200	36,900	34,900	65
70	61.7	130.4	37,500	35,300	33,400	31,600	70
75	59.4	127.6	33,800	32,000	30,400	28,800	75
80	57.0	124.5	30,700	29,100	27,700	26,400	80
85	54.5	121.1	28,000	26,600	25,400	24,200	85
90	51.9	117.3	25,700	24,400	23,300	22,300	90
95	49.3	113.2	23,600	22,500	21,500	20,600	95
100	46.5	108.7	21,700	20,700	19,900	19,100	100
105	43.6	103.7	20,000	19,200	18,400	17,700	105
110	40.6	98.2	18,500	17,800	17,100	16,400	110
115	37.3	92.0	17,200	16,500	15,900	15,300	115
120	33.8	85.0	15,900	15,300	14,800	14,300	120
125	29.9	76.9	14,800	14,200	13,800	13,300	125
130	25.5	67.4	13,800	13,300	12,900	12,500	130
135	20.3	55.6	12,800	12,400	12,000	11,700	135

Liftcrane Boom Capacities

4000W

Boom No. 17 With Open Throat Top
 104,400 lb Counterweight
 24 ft Crawlers Extended
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Static Machine List
 No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
150.0 ft Boom							
26	81.4	155.4	148,800 *				26
28	80.7	155.1	139,600 *	104,600 *			28
30	79.9	154.8	127,500	102,300 *	85,800 *		30
32	79.1	154.4	115,600	100,100 *	84,100 *		32
34	78.3	154.0	105,500	93,500	82,500 *	70,900 *	34
36	77.6	153.6	97,000	86,500	77,800	69,900 *	36
38	76.8	153.1	89,600	80,400	72,700	66,100	38
40	76.0	152.6	83,100	75,000	68,200	62,200	40
45	74.0	151.3	70,200	64,000	58,700	54,100	45
50	72.0	149.8	60,300	55,500	51,300	47,500	50
55	70.0	148.0	52,600	48,700	45,300	42,200	55
60	67.9	146.1	46,400	43,200	40,400	37,800	60
65	65.9	144.0	41,300	38,600	36,300	34,100	65
70	63.8	141.6	37,100	34,800	32,800	30,900	70
75	61.6	139.1	33,500	31,500	29,700	28,100	75
80	59.4	136.2	30,300	28,600	27,100	25,700	80
85	57.2	133.1	27,600	26,100	24,800	23,600	85
90	54.9	129.8	25,300	23,900	22,800	21,700	90
95	52.5	126.1	23,200	22,000	21,000	20,000	95
100	50.0	122.1	21,300	20,300	19,300	18,500	100
105	47.5	117.7	19,700	18,700	17,900	17,100	105
110	44.9	112.9	18,100	17,300	16,600	15,900	110
115	42.1	107.6	16,800	16,000	15,400	14,700	115
120	39.1	101.8	15,500	14,800	14,300	13,700	120
125	36.0	95.3	14,400	13,800	13,300	12,700	125
130	32.6	88.0	13,400	12,800	12,300	11,900	130
135	28.9	79.6	12,400	11,900	11,500	11,100	135
140	24.6	69.7	11,500	11,100	10,700	10,400	140
145	19.6	57.3	10,700	10,300	10,000	9,700	145

Liftcrane Boom Capacities

4000W

Boom No.17 With Open Throat Top
 104,400 lb Counterweight
 24 ft Crawlers Extended
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Static Machine List
 No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
160.0 ft Boom							
26	82.0	165.5	139,500 *				26
28	81.3	165.2	133,500 *				28
30	80.5	164.9	126,100 *	96,700 *			30
32	79.8	164.6	115,200	94,600 *	78,800 *		32
34	79.1	164.2	105,100	92,400	77,500 *		34
36	78.3	163.8	96,500	85,500	76,300 *	64,500 *	36
38	77.6	163.4	89,100	79,400	71,400	63,600 *	38
40	76.9	162.9	82,700	74,100	66,900	60,700	40
45	75.0	161.7	69,700	63,200	57,600	52,800	45
50	73.2	160.2	59,800	54,700	50,300	46,400	50
55	71.3	158.6	52,100	48,000	44,400	41,200	55
60	69.4	156.9	45,900	42,500	39,500	36,800	60
65	67.5	154.9	40,800	38,000	35,400	33,100	65
70	65.5	152.7	36,500	34,100	32,000	30,000	70
75	63.5	150.3	32,900	30,800	29,000	27,200	75
80	61.5	147.7	29,800	28,000	26,400	24,900	80
85	59.4	144.9	27,100	25,500	24,100	22,700	85
90	57.3	141.8	24,700	23,300	22,100	20,900	90
95	55.2	138.5	22,600	21,400	20,300	19,200	95
100	53.0	134.9	20,800	19,600	18,600	17,700	100
105	50.7	130.9	19,100	18,100	17,200	16,300	105
110	48.3	126.7	17,600	16,700	15,900	15,100	110
115	45.9	122.0	16,200	15,400	14,700	14,000	115
120	43.4	116.9	15,000	14,200	13,600	13,000	120
125	40.7	111.4	13,800	13,100	12,600	12,000	125
130	37.9	105.3	12,800	12,200	11,600	11,100	130
135	34.8	98.5	11,800	11,300	10,800	10,300	135
140	31.6	90.8	11,000	10,400	10,000	9,600	140
145	28.0	82.1	10,100	9,700	9,300	8,900	145
150	23.9	71.8	9,400	8,900	8,600	8,300	150
155	18.9	59.0	8,700	8,300	8,000	7,700	155

Liftcrane Boom Capacities

4000W

Boom No. 17 With Open Throat Top
 104,400 lb Counterweight
 24 ft Crawlers Extended
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Static Machine List
 No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
170.0 ft Boom							
28	81.8	175.4	127,400 *				28
30	81.1	175.1	122,100 *				30
32	80.4	174.7	114,800	88,600 *			32
34	79.7	174.4	104,700	86,700 *	71,700 *		34
36	79.0	174.0	96,200	84,500	70,700 *	58,300 *	36
38	78.3	173.6	88,700	78,500	69,600 *	58,100 *	38
40	77.7	173.2	82,300	73,300	65,800	57,900 *	40
45	75.9	172.0	69,300	62,400	56,600	51,600	45
50	74.2	170.7	59,400	54,000	49,400	45,300	50
55	72.4	169.2	51,700	47,400	43,600	40,200	55
60	70.6	167.5	45,500	41,900	38,800	35,900	60
65	68.9	165.6	40,400	37,400	34,700	32,300	65
70	67.0	163.6	36,100	33,600	31,300	29,200	70
75	65.2	161.4	32,500	30,300	28,300	26,500	75
80	63.3	159.0	29,400	27,500	25,700	24,200	80
85	61.4	156.4	26,700	25,000	23,500	22,100	85
90	59.5	153.6	24,300	22,800	21,500	20,200	90
95	57.5	150.5	22,200	20,900	19,700	18,600	95
100	55.5	147.2	20,300	19,100	18,100	17,100	100
105	53.4	143.6	18,700	17,600	16,600	15,700	105
110	51.3	139.7	17,200	16,200	15,300	14,500	110
115	49.1	135.6	15,800	14,900	14,100	13,400	115
120	46.8	131.1	14,600	13,700	13,000	12,400	120
125	44.5	126.2	13,400	12,700	12,000	11,400	125
130	42.0	120.8	12,400	11,700	11,100	10,600	130
135	39.4	115.0	11,400	10,800	10,300	9,800	135
140	36.7	108.7	10,500	10,000	9,500	9,000	140
145	33.8	101.6	9,700	9,200	8,800	8,300	145
150	30.6	93.6	8,900	8,500	8,100	7,700	150
155	27.1	84.6	8,200	7,800	7,500	7,100	155
160	23.1	73.9	7,600	7,200	6,900	6,600	160
165	18.4	60.7	6,900	6,600	6,300	6,100	165

Liftcrane Boom Capacities

4000W

Boom No.17 With Open Throat Top
 104,400 lb Counterweight
 24 ft Crawlers Extended
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Static Machine List
 No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
180.0 ft Boom							
30	81.6	185.2	115,000 *				30
32	80.9	184.9	110,200 *	80,800 *			32
34	80.3	184.5	104,400	79,200 *			34
36	79.7	184.2	95,800	77,700 *	64,100 *		36
38	79.0	183.8	88,400	76,300 *	63,200 *	50,300 *	38
40	78.4	183.4	81,900	72,400	62,200 *	50,200 *	40
45	76.7	182.3	68,900	61,700	55,600	49,800 *	45
50	75.1	181.0	59,000	53,400	48,600	44,300	50
55	73.4	179.6	51,300	46,700	42,800	39,300	55
60	71.8	178.1	45,100	41,300	38,000	35,100	60
65	70.1	176.3	40,000	36,800	34,100	31,500	65
70	68.4	174.4	35,700	33,000	30,600	28,500	70
75	66.7	172.4	32,100	29,800	27,700	25,800	75
80	64.9	170.1	29,000	26,900	25,200	23,500	80
85	63.1	167.7	26,300	24,500	22,900	21,400	85
90	61.3	165.0	23,900	22,300	20,900	19,600	90
95	59.5	162.2	21,800	20,400	19,100	18,000	95
100	57.6	159.1	19,900	18,700	17,500	16,500	100
105	55.7	155.9	18,300	17,100	16,100	15,200	105
110	53.8	152.3	16,800	15,700	14,800	13,900	110
115	51.8	148.5	15,400	14,400	13,600	12,800	115
120	49.7	144.4	14,100	13,300	12,500	11,800	120
125	47.6	140.1	13,000	12,200	11,500	10,900	125
130	45.4	135.3	12,000	11,200	10,600	10,000	130
135	43.1	130.2	11,000	10,300	9,800	9,200	135
140	40.8	124.6	10,100	9,500	9,000	8,500	140
145	38.3	118.6	9,300	8,700	8,300	7,800	145
150	35.6	111.9	8,500	8,000	7,600	7,200	150
155	32.8	104.6	7,800	7,300	6,900	6,600	155
160	29.7	96.3	7,200	6,700	6,400	6,000	160
165	26.3	86.9	6,500	6,100	5,800	5,500	165
170	22.5	75.9	5,900	5,600	5,300	5,000	170
175	17.9	62.3	5,100 *	4,700 *	4,600 *		175

Liftcrane Boom Capacities

4000W

Boom No. 17 With Open Throat Top
 104,400 lb Counterweight
 24 ft Crawlers Extended
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Static Machine List
 No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
190.0 ft Boom							
30	82.0	195.3	107,100 *				30
32	81.4	195.0	103,800 *				32
34	80.8	194.7	99,700 *	74,100 *			34
36	80.2	194.3	95,400	72,700 *			36
38	79.6	194.0	87,900	71,300 *	55,700 *		38
40	79.0	193.6	81,500	69,900 *	55,500 *	43,400 *	40
45	77.4	192.6	68,400	60,900	54,600	43,000 *	45
50	75.9	191.4	58,600	52,600	47,600	42,600 *	50
55	74.3	190.0	50,800	46,000	41,900	38,300	55
60	72.8	188.6	44,600	40,600	37,200	34,200	60
65	71.2	186.9	39,500	36,200	33,300	30,600	65
70	69.6	185.1	35,200	32,400	29,900	27,600	70
75	67.9	183.2	31,600	29,100	27,000	25,000	75
80	66.3	181.1	28,500	26,300	24,400	22,700	80
85	64.7	178.8	25,700	23,900	22,200	20,700	85
90	63.0	176.4	23,400	21,700	20,200	18,900	90
95	61.3	173.7	21,300	19,800	18,500	17,200	95
100	59.5	170.9	19,400	18,100	16,900	15,800	100
105	57.8	167.8	17,700	16,500	15,400	14,400	105
110	56.0	164.6	16,200	15,100	14,100	13,200	110
115	54.1	161.1	14,800	13,800	13,000	12,100	115
120	52.2	157.3	13,600	12,700	11,900	11,100	120
125	50.3	153.3	12,500	11,600	10,900	10,200	125
130	48.3	149.0	11,400	10,600	10,000	9,300	130
135	46.3	144.4	10,400	9,700	9,100	8,500	135
140	44.1	139.4	9,600	8,900	8,300	7,800	140
145	41.9	134.1	8,700	8,100	7,600	7,100	145
150	39.6	128.3	8,000	7,400	6,900	6,500	150
155	37.2	122.0	7,300	6,700	6,300	5,900	155
160	34.6	115.1	6,600	6,100	5,700	5,300	160
165	31.9	107.5	6,000	5,500	5,200	4,800	165
170	28.9	98.9	5,400	5,000	4,600	4,300	170
175	25.6	89.2	4,800	4,500	4,200		175
180	21.9	77.9	4,300	4,000			180

Liftcrane Boom Capacities

4000W

Boom No.17 With Open Throat Top
 104,400 lb Counterweight
 24 ft Crawlers Extended
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Static Machine List
 No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
200.0 ft Boom							
32	81.9	205.1	93,600 *				32
34	81.3	204.8	90,900 *				34
36	80.7	204.5	87,400 *	65,400 *			36
38	80.1	204.1	85,100 *	65,100 *			38
40	79.5	203.8	81,100	64,500 *	48,200 *		40
45	78.1	202.8	68,000	60,100	47,700 *	37,000 *	45
50	76.6	201.7	58,100	51,900	46,700	36,700 *	50
55	75.1	200.4	50,400	45,400	41,100	36,400 *	55
60	73.6	199.0	44,200	40,000	36,500	33,300	60
65	72.1	197.5	39,100	35,600	32,600	29,800	65
70	70.6	195.8	34,800	31,800	29,200	26,900	70
75	69.1	193.9	31,100	28,600	26,300	24,300	75
80	67.6	192.0	28,000	25,800	23,800	22,000	80
85	66.0	189.8	25,300	23,300	21,600	20,000	85
90	64.4	187.5	22,900	21,200	19,600	18,200	90
95	62.8	185.0	20,800	19,300	17,900	16,600	95
100	61.2	182.4	19,000	17,500	16,300	15,200	100
105	59.6	179.5	17,300	16,000	14,900	13,800	105
110	57.9	176.5	15,800	14,600	13,600	12,700	110
115	56.2	173.2	14,400	13,300	12,400	11,600	115
120	54.4	169.8	13,200	12,200	11,400	10,600	120
125	52.7	166.1	12,000	11,100	10,400	9,600	125
130	50.8	162.1	11,000	10,100	9,500	8,800	130
135	49.0	157.9	10,000	9,200	8,600	8,000	135
140	47.0	153.4	9,100	8,400	7,800	7,300	140
145	45.0	148.6	8,300	7,600	7,100	6,600	145
150	43.0	143.4	7,500	6,900	6,400	5,900	150
155	40.8	137.9	6,800	6,300	5,800	5,400	155
160	38.6	131.8	6,200	5,600	5,200	4,800	160
165	36.2	125.3	5,500	5,000	4,700	4,300	165
170	33.7	118.2	4,900	4,500	4,100		170
175	31.1	110.3	4,400	4,000			175

Liftcrane Boom Capacities

4000W

Boom No. 17 With Open Throat Top
 104,400 lb Counterweight
 24 ft Crawlers Extended
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Static Machine List
 No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
210.0 ft Boom							
34	81.7	214.9	84,700 *				34
36	81.1	214.6	81,300 *				36
38	80.6	214.3	78,300 *	57,600 *			38
40	80.0	213.9	75,400 *	57,300 *	42,200 *		40
45	78.6	213.0	67,600	56,500 *	41,800 *	32,000 *	45
50	77.3	211.9	57,700	51,300	41,300 *	31,700 *	50
55	75.9	210.7	50,000	44,800	40,300	31,400 *	55
60	74.4	209.4	43,800	39,500	35,700	31,100 *	60
65	73.0	207.9	38,600	35,000	31,900	29,100	65
70	71.6	206.4	34,400	31,300	28,600	26,100	70
75	70.1	204.6	30,700	28,100	25,700	23,600	75
80	68.7	202.7	27,600	25,300	23,200	21,400	80
85	67.2	200.7	24,900	22,800	21,000	19,400	85
90	65.7	198.5	22,500	20,700	19,100	17,600	90
95	64.2	196.2	20,400	18,800	17,300	16,000	95
100	62.7	193.7	18,500	17,100	15,800	14,600	100
105	61.1	191.0	16,900	15,500	14,400	13,300	105
110	59.6	188.2	15,300	14,100	13,100	12,100	110
115	58.0	185.2	14,000	12,900	11,900	11,000	115
120	56.4	181.9	12,700	11,700	10,800	10,000	120
125	54.7	178.5	11,600	10,700	9,900	9,100	125
130	53.0	174.9	10,500	9,700	8,900	8,200	130
135	51.3	171.0	9,600	8,800	8,100	7,500	135
140	49.5	166.8	8,700	8,000	7,300	6,700	140
145	47.7	162.4	7,900	7,200	6,600	6,100	145
150	45.8	157.7	7,100	6,500	5,900	5,400	150
155	43.9	152.7	6,400	5,800	5,300	4,800	155
160	41.9	147.3	5,700	5,200	4,700	4,300	160
165	39.8	141.5	5,100	4,600	4,200		165
170	37.6	135.3	4,500	4,000			170
175	35.3	128.5	4,000				175

Liftcrane Boom Capacities

4000W

Boom No.17 With Open Throat Top
 104,400 lb Counterweight
 24 ft Crawlers Extended
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Static Machine List
 No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
220.0 ft Boom			
38	81.0	224.4	71,200 *
40	80.5	224.1	68,900 *
45	79.2	223.2	63,300 *
50	77.8	222.2	57,300
55	76.5	221.0	49,500
60	75.2	219.8	43,300
65	73.8	218.4	38,200
70	72.5	216.9	33,900
75	71.1	215.2	30,200
80	69.7	213.4	27,100
85	68.3	211.5	24,400
90	66.9	209.4	22,000
95	65.5	207.2	19,900
100	64.0	204.9	18,000
105	62.6	202.4	16,300
110	61.1	199.7	14,800
115	59.6	196.9	13,400
120	58.1	193.8	12,200
125	56.5	190.6	11,000
130	55.0	187.2	10,000
135	53.3	183.6	9,000
140	51.7	179.8	8,100
145	50.0	175.7	7,300
150	48.3	171.4	6,600
155	46.5	166.8	5,800
160	44.7	161.9	5,200
165	42.8	156.7	4,200 *