

Liftcrane Boom Capacities

4000W

Boom No. 17 With Open Throat Top
75,900 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.

Maximum Boom Lengths Lifted Unassisted		
List	Over Front of Blocked Crawlers	Over Side of Extended Crawlers
	Boom Length	Boom Length
0 Degree	200 ft	180 ft
1 Degree	190 ft	180 ft
2 Degree	190 ft	180 ft
3 Degree	190 ft	180 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	295,100 *	255,000 *	214,300 *	167,300 *	16
17	77.2	65.6	272,500 *	240,400 *	214,000 *	167,100 *	17
18	76.2	65.4	253,000 *	223,200	198,600	167,000 *	18
19	75.2	65.1	228,200	202,900	182,300	165,100	19
20	74.2	64.8	207,100	186,000	168,400	153,500	20
22	72.2	64.2	174,700	159,100	145,900	134,400	22
24	70.2	63.5	150,700	138,900	128,500	119,400	24
26	68.1	62.8	132,400	123,100	114,800	107,400	26
28	66.1	61.9	117,900	110,300	103,600	97,400	28
30	64.0	61.0	106,100	99,900	94,200	89,100	30
32	61.8	60.0	96,400	91,200	86,400	82,000	32
34	59.6	58.9	88,200	83,800	79,700	75,900	34
36	57.4	57.6	81,200	77,400	73,900	70,600	36
38	55.1	56.3	75,200	71,900	68,900	66,000	38
40	52.7	54.8	69,900	67,100	64,400	61,900	40
45	46.5	50.6	59,400	57,300	55,300	53,400	45
50	39.4	45.2	51,300	49,800	48,300	46,900	50
55	31.2	38.2	45,100	43,900	42,800	41,800	55
60	20.1	27.8	40,000	39,200	38,400	37,700	60

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70.0 ft Boom							
16	79.9	76.0	294,100 *	232,800 *	199,600 *		16
17	79.0	75.8	271,500 *	228,800 *	196,700 *	160,000 *	17
18	78.2	75.6	252,100 *	218,900	192,100	159,800 *	18
19	77.3	75.4	227,900	199,300	176,600	158,100	19
20	76.5	75.2	206,800	182,800	163,400	147,300	20
22	74.8	74.7	174,300	156,600	141,900	129,400	22
24	73.1	74.1	150,300	136,800	125,300	115,300	24
26	71.4	73.4	131,900	121,300	112,000	103,800	26
28	69.7	72.7	117,400	108,800	101,100	94,300	28
30	67.9	72.0	105,600	98,500	92,100	86,300	30
32	66.1	71.1	95,900	89,900	84,400	79,500	32
34	64.3	70.2	87,700	82,600	77,900	73,600	34
36	62.5	69.2	80,700	76,300	72,200	68,500	36
38	60.6	68.1	74,600	70,800	67,300	64,000	38
40	58.7	66.9	69,400	66,000	62,900	60,000	40
45	53.8	63.6	58,800	56,300	54,000	51,800	45
50	48.6	59.6	50,700	48,900	47,100	45,400	50
55	42.8	54.7	44,400	43,000	41,600	40,300	55
60	36.4	48.7	39,400	38,300	37,200	36,100	60
65	28.8	40.8	35,200	34,400	33,500	32,700	65
70	18.6	29.5	31,700	31,100	30,500	29,900	70

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80.0 ft Boom							
16	81.1	86.1	277,100 *				16
17	80.4	86.0	271,100 *	209,600 *			17
18	79.7	85.8	251,600 *	206,300 *	175,500 *		18
19	78.9	85.6	227,700	196,000	171,400	151,100 *	19
20	78.2	85.4	206,700	179,900	158,900	141,800	20
22	76.8	85.0	174,100	154,400	138,400	125,000	22
24	75.3	84.5	150,100	135,000	122,400	111,600	24
26	73.8	83.9	131,700	119,800	109,600	100,700	26
28	72.3	83.3	117,200	107,500	99,100	91,700	28
30	70.8	82.6	105,400	97,400	90,300	84,000	30
32	69.3	81.9	95,600	88,900	82,900	77,500	32
34	67.7	81.1	87,400	81,700	76,500	71,800	34
36	66.2	80.3	80,400	75,500	70,900	66,800	36
38	64.6	79.4	74,400	70,100	66,100	62,500	38
40	63.0	78.4	69,100	65,300	61,800	58,600	40
45	58.9	75.6	58,500	55,700	53,000	50,600	45
50	54.6	72.3	50,500	48,300	46,300	44,300	50
55	50.1	68.5	44,200	42,500	40,900	39,300	55
60	45.2	63.9	39,100	37,700	36,500	35,200	60
65	39.9	58.5	34,900	33,900	32,800	31,800	65
70	34.0	51.8	31,500	30,600	29,700	28,900	70
75	26.9	43.3	28,500	27,800	27,100	26,500	75
80	17.4	31.0	26,000	25,400	24,900	24,400	80

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90.0 ft Boom							
16	82.1	96.2	250,700 *				16
17	81.5	96.1	246,100 *				17
18	80.8	95.9	241,700 *	189,500 *			18
19	80.2	95.8	227,600	186,700 *			19
20	79.5	95.6	206,500	177,200	154,600		20
22	78.2	95.2	173,900	152,300	135,000	120,900	22
24	76.9	94.8	149,900	133,300	119,600	108,200	24
26	75.6	94.3	131,500	118,300	107,300	97,800	26
28	74.3	93.8	117,000	106,200	97,100	89,200	28
30	73.0	93.2	105,200	96,300	88,600	81,800	30
32	71.7	92.5	95,400	87,900	81,300	75,500	32
34	70.3	91.8	87,200	80,800	75,100	70,000	34
36	68.9	91.1	80,200	74,600	69,700	65,200	36
38	67.6	90.3	74,100	69,300	65,000	61,000	38
40	66.2	89.4	68,800	64,600	60,800	57,300	40
45	62.7	87.1	58,200	55,100	52,100	49,400	45
50	59.0	84.3	50,200	47,700	45,500	43,300	50
55	55.2	81.0	43,900	41,900	40,100	38,400	55
60	51.2	77.3	38,800	37,300	35,800	34,400	60
65	47.0	73.0	34,600	33,400	32,200	31,000	65
70	42.5	67.9	31,200	30,100	29,100	28,100	70
75	37.6	62.0	28,200	27,300	26,500	25,700	75
80	32.0	54.8	25,700	24,900	24,300	23,600	80
85	25.4	45.6	23,400	22,900	22,300	21,800	85
90	16.4	32.5	21,500	21,100	20,600	20,200	90

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100.0 ft Boom							
18	81.8	106.1	231,300 *				18
19	81.2	105.9	227,200 *				19
20	80.6	105.8	206,200	169,700 *			20
22	79.4	105.4	173,600	150,000	131,600		22
24	78.3	105.0	149,600	131,400	116,800	104,700	24
26	77.1	104.6	131,100	116,700	104,800	94,800	26
28	75.9	104.1	116,500	104,800	94,900	86,500	28
30	74.7	103.6	104,700	95,000	86,700	79,500	30
32	73.5	103.0	94,900	86,700	79,600	73,400	32
34	72.3	102.4	86,700	79,700	73,500	68,100	34
36	71.1	101.7	79,700	73,600	68,200	63,500	36
38	69.9	101.0	73,600	68,300	63,600	59,300	38
40	68.7	100.3	68,300	63,700	59,500	55,700	40
45	65.6	98.2	57,700	54,200	51,000	48,100	45
50	62.4	95.7	49,600	46,900	44,400	42,100	50
55	59.1	92.9	43,300	41,200	39,100	37,300	55
60	55.7	89.7	38,200	36,500	34,800	33,300	60
65	52.2	86.1	34,100	32,600	31,300	30,000	65
70	48.4	81.9	30,600	29,400	28,200	27,100	70
75	44.5	77.2	27,600	26,600	25,600	24,700	75
80	40.2	71.7	25,000	24,200	23,400	22,600	80
85	35.6	65.3	22,800	22,100	21,400	20,800	85
90	30.3	57.6	20,900	20,300	19,700	19,200	90
95	24.0	47.8	19,200	18,700	18,200	17,800	95
100	15.6	33.9	17,700	17,300	16,900	16,500	100

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110.0 ft Boom							
19	82.0	116.0	215,900 *				19
20	81.5	115.9	206,000				20
22	80.4	115.6	173,300	147,900			22
24	79.3	115.2	149,300	129,700	114,100		24
26	78.3	114.8	130,800	115,200	102,600	92,100	26
28	77.2	114.4	116,200	103,500	93,000	84,200	28
30	76.1	113.9	104,400	93,800	85,000	77,400	30
32	75.1	113.4	94,600	85,700	78,100	71,500	32
34	74.0	112.8	86,400	78,700	72,200	66,400	34
36	72.9	112.2	79,300	72,700	67,000	61,900	36
38	71.8	111.6	73,300	67,500	62,400	57,900	38
40	70.7	110.9	68,000	62,900	58,400	54,400	40
45	67.9	109.0	57,300	53,500	50,100	46,900	45
50	65.1	106.9	49,300	46,300	43,600	41,100	50
55	62.2	104.4	43,000	40,600	38,400	36,400	55
60	59.2	101.6	37,900	35,900	34,100	32,500	60
65	56.1	98.4	33,700	32,100	30,600	29,200	65
70	52.9	94.8	30,200	28,900	27,600	26,400	70
75	49.6	90.8	27,200	26,100	25,000	24,000	75
80	46.1	86.3	24,700	23,700	22,800	21,900	80
85	42.3	81.2	22,500	21,700	20,900	20,100	85
90	38.3	75.3	20,500	19,800	19,200	18,500	90
95	33.9	68.4	18,800	18,200	17,600	17,100	95
100	28.9	60.2	17,300	16,800	16,300	15,800	100
105	22.9	49.9	15,900	15,500	15,100	14,700	105

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120.0 ft Boom							
22	81.2	125.7	173,100				22
24	80.2	125.4	149,000	128,000			24
26	79.3	125.0	130,500	113,800	100,400		26
28	78.3	124.6	115,900	102,300	91,200	81,900	28
30	77.3	124.2	104,100	92,700	83,300	75,400	30
32	76.3	123.7	94,300	84,700	76,600	69,700	32
34	75.4	123.2	86,000	77,800	70,800	64,800	34
36	74.4	122.7	79,000	71,900	65,800	60,400	36
38	73.4	122.1	73,000	66,700	61,300	56,600	38
40	72.4	121.5	67,700	62,200	57,400	53,100	40
45	69.9	119.8	57,000	52,900	49,200	45,900	45
50	67.3	117.8	48,900	45,700	42,800	40,100	50
55	64.7	115.6	42,600	40,000	37,700	35,500	55
60	62.0	113.1	37,500	35,400	33,500	31,700	60
65	59.3	110.2	33,300	31,600	30,000	28,500	65
70	56.4	107.1	29,900	28,400	27,000	25,700	70
75	53.5	103.6	26,900	25,600	24,500	23,300	75
80	50.5	99.7	24,300	23,300	22,300	21,300	80
85	47.3	95.3	22,100	21,200	20,300	19,500	85
90	44.0	90.4	20,200	19,400	18,600	17,900	90
95	40.4	84.9	18,500	17,800	17,100	16,500	95
100	36.6	78.7	16,900	16,300	15,800	15,200	100
105	32.4	71.4	15,600	15,000	14,500	14,100	105
110	27.6	62.7	14,300	13,900	13,500	13,000	110
115	21.9	51.9	13,200	12,800	12,500	12,100	115

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130.0 ft Boom							
22	81.9	135.8	172,800				22
24	81.0	135.5	148,700	126,200			24
26	80.1	135.2	130,200	112,300			26
28	79.2	134.8	115,600	100,900	89,200		28
30	78.3	134.4	103,700	91,500	81,600	73,300	30
32	77.4	134.0	93,900	83,600	75,100	67,800	32
34	76.5	133.5	85,600	76,800	69,400	63,000	34
36	75.6	133.0	78,600	70,900	64,400	58,800	36
38	74.7	132.5	72,500	65,800	60,100	55,000	38
40	73.8	131.9	67,200	61,300	56,200	51,700	40
45	71.5	130.4	56,500	52,100	48,100	44,600	45
50	69.1	128.6	48,400	45,000	41,800	39,000	50
55	66.7	126.5	42,100	39,300	36,800	34,500	55
60	64.3	124.3	37,000	34,700	32,600	30,700	60
65	61.8	121.7	32,800	30,900	29,200	27,500	65
70	59.3	118.9	29,300	27,700	26,200	24,800	70
75	56.7	115.8	26,300	25,000	23,700	22,500	75
80	54.0	112.3	23,800	22,600	21,500	20,400	80
85	51.3	108.5	21,500	20,500	19,600	18,700	85
90	48.4	104.3	19,600	18,700	17,900	17,100	90
95	45.4	99.6	17,900	17,100	16,400	15,700	95
100	42.2	94.4	16,300	15,700	15,000	14,400	100
105	38.8	88.5	15,000	14,400	13,800	13,300	105
110	35.1	81.9	13,700	13,200	12,700	12,200	110
115	31.1	74.2	12,600	12,200	11,700	11,300	115
120	26.5	65.1	11,600	11,200	10,800	10,500	120
125	21.0	53.8	10,700	10,300	10,000	9,700	125

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140.0 ft Boom							
24	81.6	145.6	148,400				24
26	80.8	145.3	129,900	110,800			26
28	80.0	145.0	115,200	99,700	87,400		28
30	79.2	144.6	103,300	90,400	80,000		30
32	78.3	144.2	93,500	82,600	73,600	66,100	32
34	77.5	143.8	85,200	75,900	68,100	61,500	34
36	76.6	143.3	78,200	70,100	63,200	57,400	36
38	75.8	142.8	72,100	65,000	58,900	53,700	38
40	75.0	142.3	66,800	60,500	55,100	50,400	40
45	72.8	140.9	56,100	51,400	47,200	43,500	45
50	70.7	139.2	48,000	44,300	41,000	38,100	50
55	68.5	137.4	41,700	38,700	36,000	33,600	55
60	66.3	135.3	36,600	34,200	31,900	29,900	60
65	64.0	132.9	32,400	30,400	28,500	26,800	65
70	61.7	130.4	28,900	27,200	25,600	24,100	70
75	59.4	127.6	25,900	24,500	23,100	21,800	75
80	57.0	124.5	23,400	22,100	20,900	19,800	80
85	54.5	121.1	21,100	20,000	19,000	18,000	85
90	51.9	117.3	19,200	18,200	17,300	16,500	90
95	49.3	113.2	17,500	16,600	15,800	15,100	95
100	46.5	108.7	15,900	15,200	14,500	13,800	100
105	43.6	103.7	14,600	13,900	13,300	12,700	105
110	40.6	98.2	13,300	12,700	12,200	11,600	110
115	37.3	92.0	12,200	11,700	11,200	10,700	115
120	33.8	85.0	11,200	10,700	10,300	9,900	120
125	29.9	76.9	10,300	9,900	9,500	9,100	125
130	25.5	67.4	9,400	9,100	8,700	8,400	130
135	20.3	55.6	8,600	8,300	8,000	7,700	135

Liftcrane Boom Capacities

4000W

Boom No. 17 With Open Throat Top
 75,900 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	129,500				26
28	80.7	155.1	114,900	98,400			28
30	79.9	154.8	103,000	89,300	78,400		30
32	79.1	154.4	93,200	81,600	72,200		32
34	78.3	154.0	84,900	75,000	66,800	59,900	34
36	77.6	153.6	77,800	69,200	62,100	56,000	36
38	76.8	153.1	71,800	64,200	57,900	52,400	38
40	76.0	152.6	66,500	59,800	54,100	49,200	40
45	74.0	151.3	55,800	50,700	46,400	42,500	45
50	72.0	149.8	47,700	43,700	40,300	37,100	50
55	70.0	148.0	41,300	38,200	35,300	32,800	55
60	67.9	146.1	36,200	33,600	31,300	29,100	60
65	65.9	144.0	32,000	29,900	27,900	26,100	65
70	63.8	141.6	28,500	26,700	25,000	23,400	70
75	61.6	139.1	25,500	24,000	22,500	21,200	75
80	59.4	136.2	23,000	21,600	20,400	19,200	80
85	57.2	133.1	20,800	19,600	18,500	17,400	85
90	54.9	129.8	18,800	17,800	16,800	15,900	90
95	52.5	126.1	17,100	16,200	15,300	14,500	95
100	50.0	122.1	15,600	14,700	14,000	13,200	100
105	47.5	117.7	14,200	13,500	12,800	12,100	105
110	44.9	112.9	12,900	12,300	11,700	11,100	110
115	42.1	107.6	11,800	11,200	10,700	10,200	115
120	39.1	101.8	10,800	10,300	9,800	9,300	120
125	36.0	95.3	9,900	9,400	9,000	8,500	125
130	32.6	88.0	9,000	8,600	8,200	7,800	130
135	28.9	79.6	8,200	7,900	7,500	7,200	135
140	24.6	69.7	7,500	7,200	6,900	6,600	140
145	19.6	57.3	6,800	6,500	6,300	6,000	145

Liftcrane Boom Capacities

4000W

Boom No.17 With Open Throat Top
 75,900 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	129,200				26
28	81.3	165.2	114,500				28
30	80.5	164.9	102,600	88,200			30
32	79.8	164.6	92,800	80,500	70,700		32
34	79.1	164.2	84,500	74,000	65,400		34
36	78.3	163.8	77,400	68,300	60,800	54,500	36
38	77.6	163.4	71,300	63,300	56,700	51,000	38
40	76.9	162.9	66,000	59,000	53,000	47,900	40
45	75.0	161.7	55,300	50,000	45,400	41,300	45
50	73.2	160.2	47,200	43,000	39,300	36,100	50
55	71.3	158.6	40,800	37,500	34,500	31,800	55
60	69.4	156.9	35,700	33,000	30,500	28,200	60
65	67.5	154.9	31,500	29,200	27,100	25,200	65
70	65.5	152.7	28,000	26,000	24,300	22,600	70
75	63.5	150.3	25,000	23,300	21,800	20,400	75
80	61.5	147.7	22,400	21,000	19,600	18,400	80
85	59.4	144.9	20,200	19,000	17,800	16,700	85
90	57.3	141.8	18,300	17,200	16,100	15,100	90
95	55.2	138.5	16,500	15,600	14,600	13,700	95
100	53.0	134.9	15,000	14,100	13,300	12,500	100
105	50.7	130.9	13,600	12,800	12,100	11,400	105
110	48.3	126.7	12,400	11,700	11,000	10,400	110
115	45.9	122.0	11,300	10,600	10,000	9,500	115
120	43.4	116.9	10,200	9,700	9,100	8,600	120
125	40.7	111.4	9,300	8,800	8,300	7,800	125
130	37.9	105.3	8,400	8,000	7,500	7,100	130
135	34.8	98.5	7,600	7,200	6,800	6,500	135
140	31.6	90.8	6,900	6,600	6,200	5,800	140
145	28.0	82.1	6,200	5,900	5,600	5,300	145
150	23.9	71.8	5,600	5,300	5,000	4,800	150
155	18.9	59.0	5,000	4,800	4,500	4,300	155

Liftcrane Boom Capacities

4000W

Boom No. 17 With Open Throat Top
 75,900 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	114,200				28
30	81.1	175.1	102,200				30
32	80.4	174.7	92,400	79,500			32
34	79.7	174.4	84,100	73,100	64,200		34
36	79.0	174.0	77,000	67,400	59,600	53,100	36
38	78.3	173.6	70,900	62,500	55,600	49,700	38
40	77.7	173.2	65,600	58,200	52,000	46,700	40
45	75.9	172.0	54,900	49,300	44,500	40,300	45
50	74.2	170.7	46,800	42,400	38,500	35,200	50
55	72.4	169.2	40,400	36,900	33,700	30,900	55
60	70.6	167.5	35,300	32,400	29,800	27,400	60
65	68.9	165.6	31,100	28,700	26,500	24,500	65
70	67.0	163.6	27,600	25,500	23,600	21,900	70
75	65.2	161.4	24,600	22,800	21,200	19,700	75
80	63.3	159.0	22,000	20,500	19,100	17,700	80
85	61.4	156.4	19,800	18,500	17,200	16,000	85
90	59.5	153.6	17,800	16,700	15,600	14,500	90
95	57.5	150.5	16,100	15,100	14,100	13,200	95
100	55.5	147.2	14,600	13,600	12,800	11,900	100
105	53.4	143.6	13,200	12,400	11,600	10,800	105
110	51.3	139.7	12,000	11,200	10,500	9,800	110
115	49.1	135.6	10,800	10,200	9,500	8,900	115
120	46.8	131.1	9,800	9,200	8,600	8,100	120
125	44.5	126.2	8,900	8,300	7,800	7,300	125
130	42.0	120.8	8,000	7,500	7,000	6,600	130
135	39.4	115.0	7,200	6,800	6,300	5,900	135
140	36.7	108.7	6,500	6,100	5,700	5,300	140
145	33.8	101.6	5,800	5,400	5,100	4,700	145
150	30.6	93.6	5,200	4,900	4,500	4,200	150
155	27.1	84.6	4,600	4,300	4,000		155
160	23.1	73.9	4,100				160

Liftcrane Boom Capacities

4000W

Boom No.17 With Open Throat Top
 75,900 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	101,900				30
32	80.9	184.9	92,000	78,500			32
34	80.3	184.5	83,700	72,200			34
36	79.7	184.2	76,700	66,600	58,500		36
38	79.0	183.8	70,500	61,700	54,500	48,500	38
40	78.4	183.4	65,200	57,400	51,000	45,500	40
45	76.7	182.3	54,500	48,600	43,600	39,300	45
50	75.1	181.0	46,400	41,800	37,800	34,200	50
55	73.4	179.6	40,000	36,300	33,000	30,100	55
60	71.8	178.1	34,900	31,800	29,100	26,700	60
65	70.1	176.3	30,700	28,100	25,800	23,700	65
70	68.4	174.4	27,200	25,000	23,000	21,200	70
75	66.7	172.4	24,200	22,300	20,600	19,000	75
80	64.9	170.1	21,600	20,000	18,500	17,100	80
85	63.1	167.7	19,400	18,000	16,700	15,400	85
90	61.3	165.0	17,400	16,200	15,000	13,900	90
95	59.5	162.2	15,700	14,600	13,600	12,600	95
100	57.6	159.1	14,200	13,200	12,200	11,400	100
105	55.7	155.9	12,800	11,900	11,100	10,300	105
110	53.8	152.3	11,500	10,700	10,000	9,300	110
115	51.8	148.5	10,400	9,700	9,000	8,400	115
120	49.7	144.4	9,400	8,700	8,100	7,500	120
125	47.6	140.1	8,500	7,900	7,300	6,800	125
130	45.4	135.3	7,600	7,100	6,500	6,000	130
135	43.1	130.2	6,800	6,300	5,800	5,400	135
140	40.8	124.6	6,100	5,600	5,200	4,800	140
145	38.3	118.6	5,400	5,000	4,600	4,200	145
150	35.6	111.9	4,800	4,400	4,000		150
155	32.8	104.6	4,200				155

Liftcrane Boom Capacities

4000W

Boom No. 17 With Open Throat Top
 75,900 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	101,500				30
32	81.4	195.0	91,600				32
34	80.8	194.7	83,300	71,200			34
36	80.2	194.3	76,200	65,700			36
38	79.6	194.0	70,100	60,900	53,400		38
40	79.0	193.6	64,800	56,600	49,900	43,400 *	40
45	77.4	192.6	54,000	47,900	42,600	38,200	45
50	75.9	191.4	45,900	41,100	36,900	33,300	50
55	74.3	190.0	39,500	35,600	32,200	29,200	55
60	72.8	188.6	34,400	31,200	28,300	25,800	60
65	71.2	186.9	30,200	27,500	25,100	22,900	65
70	69.6	185.1	26,700	24,400	22,300	20,400	70
75	67.9	183.2	23,700	21,700	19,900	18,300	75
80	66.3	181.1	21,100	19,400	17,800	16,400	80
85	64.7	178.8	18,900	17,400	16,000	14,700	85
90	63.0	176.4	16,900	15,600	14,400	13,200	90
95	61.3	173.7	15,200	14,000	12,900	11,900	95
100	59.5	170.9	13,600	12,600	11,600	10,700	100
105	57.8	167.8	12,200	11,300	10,400	9,600	105
110	56.0	164.6	11,000	10,200	9,400	8,600	110
115	54.1	161.1	9,900	9,100	8,400	7,700	115
120	52.2	157.3	8,800	8,200	7,500	6,900	120
125	50.3	153.3	7,900	7,300	6,700	6,100	125
130	48.3	149.0	7,000	6,500	5,900	5,400	130
135	46.3	144.4	6,300	5,700	5,200	4,700	135
140	44.1	139.4	5,500	5,000	4,600	4,100	140
145	41.9	134.1	4,800	4,400	4,000		145
150	39.6	128.3	4,200				150

Liftcrane Boom Capacities

4000W

Boom No.17 With Open Throat Top
 75,900 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
200.0 ft Boom			
32	81.9	205.1	91,200
34	81.3	204.8	82,900
36	80.7	204.5	75,800
38	80.1	204.1	69,700
40	79.5	203.8	64,400
45	78.1	202.8	53,600
50	76.6	201.7	45,500
55	75.1	200.4	39,100
60	73.6	199.0	34,000
65	72.1	197.5	29,800
70	70.6	195.8	26,200
75	69.1	193.9	23,200
80	67.6	192.0	20,700
85	66.0	189.8	18,400
90	64.4	187.5	16,500
95	62.8	185.0	14,700
100	61.2	182.4	13,200
105	59.6	179.5	11,800
110	57.9	176.5	10,600
115	56.2	173.2	9,400
120	54.4	169.8	8,400
125	52.7	166.1	7,500
130	50.8	162.1	6,600
135	49.0	157.9	5,800
140	47.0	153.4	5,100
145	45.0	148.6	4,400