

Liftcrane Boom Capacities

3900W SERIES 2

Boom No. 9A With Open Throat Top
84,600 Lb. Counterweight
24 Ft. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree 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 22,500 Lbs. (20,000 Lbs. on first three layers, 14,000 Lbs. thereafter 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 in a level position 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. 49501** and

Wire Rope Specification chart **No. 6437-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 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, 16 Ft. retractable gantry, 10 or 12 part boom hoist reeving, four 1-1/4 in. boom pendants, 1st counterweight = 43,000 Lbs., 2nd counterweight = 30,000 Lbs. and 3rd counterweight = 11,600 Lbs.

Maximum Boom Lengths Lifted Unassisted		
List	Over End of Blocked Crawlers	Over Side of Extended Crawlers
	Boom Length	Boom Length
0 Degree	200 Ft.	200 Ft.
1 Degree	200 Ft.	200 Ft.
2 Degree	180 Ft.	180 Ft.
3 Degree	160 Ft.	160 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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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
60 Ft. Boom							
15	79.4	65.8	280,000 *	255,100 *	222,900 *		15
16	78.5	65.6	267,800 *	243,100 *	213,600 *		16
17	77.5	65.4	254,600 *	232,100 *	205,100 *	186,700 *	17
18	76.5	65.2	242,500 *	222,000 *	197,200 *	180,100 *	18
19	75.5	64.9	231,600 *	212,800 *	189,900 *	174,000 *	19
20	74.5	64.7	213,300	204,200 *	183,100 *	168,300 *	20
22	72.5	64.1	181,900	180,600	170,800 *	157,900 *	22
24	70.5	63.4	158,300	157,200	155,900	148,700 *	24
26	68.5	62.7	140,100	139,100	137,900	136,700	26
28	66.4	61.8	125,500	124,600	123,500	122,500	28
30	64.3	60.9	113,500	112,700	111,800	110,800	30
32	62.2	59.9	103,600	102,800	102,000	101,100	32
34	60.0	58.8	95,200	94,500	93,700	92,900	34
36	57.8	57.6	88,000	87,300	86,600	85,800	36
38	55.5	56.3	81,700	81,100	80,400	79,700	38
40	53.1	54.9	76,300	75,700	75,100	74,400	40
45	46.9	50.7	65,200	64,700	64,200	63,600	45
50	39.9	45.4	56,800	56,400	55,900	55,400	50
55	31.8	38.5	50,200	49,800	49,400	48,900	55
60	21.0	28.4	44,800	44,500	44,100	43,700	60
70 Ft. Boom							
15	81.0	76.0	273,700 *	241,400 *			15
16	80.1	75.8	266,700 *	238,100 *			16
17	79.3	75.6	253,500 *	227,800 *	197,700 *		17
18	78.5	75.4	241,500 *	218,000 *	190,300 *		18
19	77.6	75.2	230,500 *	209,000 *	183,300 *	166,000 *	19
20	76.8	75.0	213,000	200,600 *	176,900 *	160,800 *	20
22	75.1	74.5	181,500	180,200	165,300 *	151,100 *	22
24	73.4	73.9	158,000	156,800	155,100 *	142,500 *	24
26	71.7	73.3	139,700	138,700	137,500	134,800 *	26
28	69.9	72.6	125,100	124,100	123,100	122,000	28
30	68.2	71.8	113,100	112,300	111,300	110,400	30
32	66.4	71.0	103,200	102,400	101,500	100,700	32
34	64.6	70.1	94,700	94,000	93,200	92,400	34
36	62.8	69.1	87,500	86,900	86,100	85,400	36
38	60.9	68.0	81,300	80,700	80,000	79,300	38
40	59.1	66.9	75,800	75,300	74,600	74,000	40
45	54.1	63.6	64,800	64,300	63,700	63,100	45
50	48.9	59.6	56,300	55,900	55,400	54,900	50
55	43.2	54.8	49,700	49,300	48,900	48,400	55
60	36.9	48.9	44,300	44,000	43,600	43,200	60
65	29.4	41.2	39,900	39,600	39,300	38,900	65
70	19.5	30.2	36,200	35,900	35,600	35,300	70

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80 Ft. Boom							
16	81.4	85.9	248,100 *				16
17	80.6	85.8	243,300 *	214,700 *			17
18	79.9	85.6	238,700 *	211,900 *			18
19	79.2	85.4	229,900 *	205,600 *	176,500 *		19
20	78.5	85.2	212,800	197,500 *	171,400 *		20
22	77.0	84.8	181,300	180,000	160,400 *	145,100 *	22
24	75.5	84.3	157,800	156,600	150,600 *	137,000 *	24
26	74.0	83.8	139,500	138,400	137,300	129,800 *	26
28	72.5	83.2	124,800	123,900	122,900	121,700 *	28
30	71.0	82.5	112,900	112,000	111,100	110,100	30
32	69.5	81.8	102,900	102,100	101,300	100,400	32
34	68.0	81.0	94,500	93,800	93,000	92,200	34
36	66.4	80.2	87,300	86,600	85,900	85,100	36
38	64.8	79.3	81,000	80,400	79,700	79,000	38
40	63.3	78.3	75,600	75,000	74,300	73,700	40
45	59.2	75.5	64,500	64,000	63,400	62,900	45
50	54.9	72.3	56,000	55,600	55,100	54,600	50
55	50.4	68.5	49,400	49,000	48,600	48,100	55
60	45.6	64.0	44,100	43,700	43,300	42,900	60
65	40.3	58.6	39,600	39,300	39,000	38,600	65
70	34.4	52.1	35,900	35,600	35,300	35,000	70
75	27.4	43.7	32,800	32,500	32,200	31,900	75
80	18.2	31.8	30,100	29,800	29,500	29,200	80
90 Ft. Boom							
18	81.1	95.8	227,200 *				18
19	80.4	95.6	223,100 *	191,800 *			19
20	79.8	95.4	212,500	189,600 *			20
22	78.5	95.0	181,000	179,700	155,400 *		22
24	77.2	94.6	157,400	156,200	146,100 *	131,600 *	24
26	75.9	94.1	139,100	138,000	136,900	123,900 *	26
28	74.5	93.6	124,400	123,500	122,500	116,500 *	28
30	73.2	93.0	112,500	111,600	110,700	109,700	30
32	71.9	92.4	102,500	101,700	100,900	100,000	32
34	70.5	91.7	94,100	93,400	92,600	91,700	34
36	69.2	91.0	86,800	86,200	85,400	84,700	36
38	67.8	90.2	80,600	80,000	79,300	78,600	38
40	66.4	89.3	75,100	74,500	73,900	73,200	40
45	62.9	87.0	64,000	63,500	63,000	62,400	45
50	59.3	84.2	55,600	55,100	54,700	54,200	50
55	55.5	81.0	48,900	48,500	48,100	47,700	55
60	51.5	77.3	43,600	43,200	42,800	42,400	60
65	47.3	73.0	39,200	38,800	38,500	38,100	65
70	42.8	68.0	35,500	35,100	34,800	34,500	70
75	37.9	62.2	32,300	32,000	31,700	31,400	75
80	32.4	55.1	29,600	29,300	29,000	28,800	80
85	25.8	46.1	27,200	27,000	26,700	26,500	85
90	17.1	33.4	25,200	24,900	24,700	24,400	90



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100 Ft. Boom							
19	81.4	105.7	195,000 *				19
20	80.8	105.6	191,900 *	174,500 *			20
22	79.6	105.2	181,000	170,800 *			22
24	78.5	104.8	157,400	156,200	130,000 *		24
26	77.3	104.4	139,000	138,000	127,100 *	112,500 *	26
28	76.1	103.9	124,400	123,500	122,400	110,200 *	28
30	74.9	103.4	112,400	111,600	110,600	105,900 *	30
32	73.7	102.9	102,500	101,700	100,800	99,900	32
34	72.5	102.2	94,000	93,300	92,500	91,700	34
36	71.3	101.6	86,800	86,100	85,400	84,600	36
38	70.1	100.9	80,500	79,900	79,200	78,500	38
40	68.9	100.1	75,100	74,500	73,900	73,200	40
45	65.8	98.1	64,000	63,500	62,900	62,400	45
50	62.6	95.6	55,500	55,100	54,600	54,100	50
55	59.3	92.9	48,900	48,500	48,100	47,600	55
60	55.9	89.7	43,500	43,200	42,800	42,400	60
65	52.4	86.1	39,100	38,800	38,400	38,100	65
70	48.7	82.0	35,400	35,100	34,800	34,400	70
75	44.8	77.3	32,300	32,000	31,700	31,400	75
80	40.5	71.8	29,500	29,300	29,000	28,700	80
85	35.9	65.5	27,200	26,900	26,700	26,400	85
90	30.7	57.9	25,100	24,900	24,600	24,400	90
95	24.5	48.3	23,300	23,100	22,800	22,600	95
100	16.3	34.9	21,600	21,400	21,200	21,000	100

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110 Ft. Boom							
22	80.6	115.4	177,000 *	157,300 *			22
24	79.5	115.0	157,100	154,200 *			24
26	78.5	114.6	138,700	137,700	121,300 *		26
28	77.4	114.2	124,100	123,100	118,600 *	105,300 *	28
30	76.3	113.7	112,100	111,200	110,300	101,700 *	30
32	75.3	113.2	102,100	101,300	100,400	96,400 *	32
34	74.2	112.7	93,600	92,900	92,100	91,300	34
36	73.1	112.1	86,400	85,800	85,000	84,200	36
38	72.0	111.5	80,200	79,500	78,800	78,100	38
40	70.9	110.8	74,700	74,100	73,400	72,800	40
45	68.1	108.9	63,600	63,100	62,500	61,900	45
50	65.3	106.8	55,100	54,700	54,200	53,700	50
55	62.4	104.3	48,500	48,100	47,600	47,200	55
60	59.4	101.5	43,100	42,700	42,400	41,900	60
65	56.3	98.4	38,700	38,300	38,000	37,600	65
70	53.1	94.9	35,000	34,700	34,300	34,000	70
75	49.8	90.9	31,800	31,500	31,200	30,900	75
80	46.3	86.4	29,100	28,800	28,500	28,300	80
85	42.6	81.3	26,700	26,500	26,200	25,900	85
90	38.6	75.4	24,700	24,400	24,200	23,900	90
95	34.2	68.7	22,800	22,600	22,400	22,100	95
100	29.2	60.6	21,200	21,000	20,800	20,500	100
105	23.3	50.4	19,700	19,500	19,300	19,100	105
110	15.5	36.2	18,400	18,200	18,000	17,800	110



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120 Ft. Boom							
22	81.4	125.5	170,200 *				22
24	80.4	125.2	156,800	143,400 *			24
26	79.4	124.8	138,400	137,400	116,600 *		26
28	78.5	124.4	123,700	122,800	114,000 *		28
30	77.5	124.0	111,800	110,900	110,000	97,800 *	30
32	76.5	123.5	101,800	101,000	100,100	92,800 *	32
34	75.5	123.0	93,300	92,600	91,800	88,200 *	34
36	74.5	122.5	86,100	85,400	84,700	83,900	36
38	73.5	121.9	79,800	79,200	78,500	77,800	38
40	72.5	121.3	74,300	73,800	73,100	72,400	40
45	70.0	119.6	63,200	62,700	62,200	61,600	45
50	67.5	117.7	54,800	54,300	53,800	53,300	50
55	64.8	115.5	48,100	47,700	47,300	46,800	55
60	62.2	113.0	42,800	42,400	42,000	41,600	60
65	59.4	110.2	38,300	38,000	37,600	37,300	65
70	56.6	107.1	34,600	34,300	34,000	33,600	70
75	53.7	103.6	31,500	31,200	30,900	30,600	75
80	50.7	99.7	28,700	28,500	28,200	27,900	80
85	47.5	95.4	26,400	26,100	25,900	25,600	85
90	44.2	90.5	24,300	24,100	23,800	23,600	90
95	40.7	85.1	22,500	22,200	22,000	21,800	95
100	36.9	78.9	20,800	20,600	20,400	20,200	100
105	32.7	71.7	19,300	19,100	18,900	18,700	105
110	28.0	63.1	18,000	17,800	17,600	17,400	110
115	22.3	52.5	16,800	16,600	16,500	16,300	115

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130 Ft. Boom							
24	81.2	135.3	154,800 *				24
26	80.3	135.0	137,900	130,000 *			26
28	79.4	134.6	123,200	122,300	106,500 *		28
30	78.5	134.2	111,200	110,400	104,600 *		30
32	77.6	133.8	101,200	100,400	99,600	89,000 *	32
34	76.7	133.3	92,800	92,000	91,200	84,700 *	34
36	75.7	132.9	85,500	84,800	84,100	80,700 *	36
38	74.8	132.3	79,200	78,600	77,900	77,100 *	38
40	73.9	131.8	73,800	73,200	72,500	71,800	40
45	71.6	130.2	62,600	62,100	61,600	61,000	45
50	69.3	128.4	54,200	53,700	53,200	52,700	50
55	66.9	126.4	47,500	47,100	46,700	46,200	55
60	64.5	124.2	42,100	41,800	41,400	41,000	60
65	62.0	121.7	37,700	37,400	37,000	36,600	65
70	59.5	118.9	34,000	33,700	33,300	33,000	70
75	56.9	115.8	30,800	30,500	30,200	29,900	75
80	54.2	112.3	28,100	27,800	27,500	27,200	80
85	51.5	108.5	25,700	25,500	25,200	24,900	85
90	48.6	104.3	23,600	23,400	23,200	22,900	90
95	45.6	99.7	21,800	21,600	21,300	21,100	95
100	42.4	94.5	20,200	19,900	19,700	19,500	100
105	39.0	88.7	18,700	18,500	18,300	18,100	105
110	35.4	82.1	17,400	17,200	17,000	16,800	110
115	31.4	74.5	16,200	16,000	15,800	15,600	115
120	26.8	65.5	15,100	14,900	14,700	14,500	120
125	21.4	54.4	14,100	13,900	13,700	13,500	125

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140 Ft. Boom							
26	81.0	145.1	135,300 *	117,600 *			26
28	80.1	144.8	123,200	115,500 *			28
30	79.3	144.4	111,200	110,300	86,900 *		30
32	78.5	144.0	101,200	100,400	85,400 *		32
34	77.6	143.6	92,700	92,000	83,900 *	72,800 *	34
36	76.8	143.1	85,500	84,800	82,500 *	71,600 *	36
38	75.9	142.7	79,200	78,600	77,900	70,500 *	38
40	75.1	142.1	73,700	73,100	72,500	69,400 *	40
45	73.0	140.7	62,600	62,100	61,500	61,000	45
50	70.8	139.1	54,100	53,700	53,200	52,700	50
55	68.6	137.2	47,500	47,100	46,600	46,200	55
60	66.4	135.2	42,100	41,700	41,300	40,900	60
65	64.2	132.9	37,700	37,300	37,000	36,600	65
70	61.9	130.3	33,900	33,600	33,300	33,000	70
75	59.5	127.5	30,800	30,500	30,200	29,900	75
80	57.1	124.4	28,100	27,800	27,500	27,200	80
85	54.6	121.0	25,700	25,400	25,200	24,900	85
90	52.1	117.3	23,600	23,400	23,100	22,900	90
95	49.5	113.2	21,800	21,600	21,300	21,100	95
100	46.7	108.8	20,100	19,900	19,700	19,500	100
105	43.8	103.8	18,700	18,500	18,300	18,000	105
110	40.8	98.3	17,300	17,200	17,000	16,700	110
115	37.5	92.2	16,100	16,000	15,800	15,600	115
120	34.0	85.2	15,000	14,900	14,700	14,500	120
125	30.2	77.3	14,000	13,900	13,700	13,500	125
130	25.8	67.9	13,100	13,000	12,800	12,600	130
135	20.7	56.2	12,300	12,100	12,000	11,800	135

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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 Ft. Boom							
28	80.8	154.9	122,800	109,200 *			28
30	80.0	154.6	110,800	107,200 *			30
32	79.2	154.2	100,800	100,000	80,700 *		32
34	78.5	153.8	92,400	91,600	79,300 *		34
36	77.7	153.4	85,100	84,400	77,900 *	67,900 *	36
38	76.9	153.0	78,800	78,200	76,600 *	66,700 *	38
40	76.1	152.5	73,300	72,700	72,100	65,700 *	40
45	74.1	151.1	62,200	61,700	61,100	60,500	45
50	72.1	149.6	53,700	53,300	52,800	52,300	50
55	70.1	147.9	47,100	46,600	46,200	45,800	55
60	68.1	146.0	41,700	41,300	40,900	40,500	60
65	66.0	143.9	37,200	36,900	36,500	36,200	65
70	63.9	141.6	33,500	33,200	32,900	32,500	70
75	61.7	139.0	30,300	30,100	29,800	29,400	75
80	59.6	136.2	27,600	27,400	27,100	26,800	80
85	57.3	133.1	25,200	25,000	24,700	24,500	85
90	55.0	129.8	23,200	22,900	22,700	22,400	90
95	52.7	126.1	21,300	21,100	20,900	20,600	95
100	50.2	122.1	19,700	19,500	19,300	19,000	100
105	47.7	117.8	18,200	18,000	17,800	17,600	105
110	45.0	113.0	16,900	16,700	16,500	16,300	110
115	42.3	107.7	15,700	15,500	15,300	15,100	115
120	39.3	102.0	14,600	14,400	14,200	14,000	120
125	36.2	95.5	13,600	13,400	13,200	13,100	125
130	32.9	88.2	12,700	12,500	12,300	12,200	130
135	29.2	79.9	11,800	11,700	11,500	11,300	135
140	25.0	70.1	11,000	10,900	10,700	10,600	140
145	19.9	58.0	10,300	10,200	10,000	9,900	145



Liftcrane Boom Capacities

3900W SERIES 2

Boom No. 9A With Open Throat Top
 84,600 Lb. Counterweight
 24 Ft. Crawlers Extended
 Crawler Machine on a Barge
 0 Degree thru 3 Degree 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 Ft. Boom							
28	81.4	165.0	117,900 *				28
30	80.6	164.7	110,500	97,900 *			30
32	79.9	164.4	100,500	97,500 *			32
34	79.2	164.0	92,000	91,300	75,500 *		34
36	78.5	163.6	84,700	84,100	74,100 *		36
38	77.7	163.2	78,500	77,800	72,800 *	62,300 *	38
40	77.0	162.8	73,000	72,400	71,500 *	62,100 *	40
45	75.2	161.5	61,800	61,300	60,800	60,000 *	45
50	73.3	160.1	53,400	52,900	52,400	51,900	50
55	71.4	158.5	46,700	46,300	45,800	45,400	55
60	69.5	156.7	41,300	40,900	40,500	40,100	60
65	67.6	154.8	36,900	36,500	36,200	35,800	65
70	65.6	152.6	33,100	32,800	32,500	32,100	70
75	63.7	150.2	30,000	29,700	29,400	29,100	75
80	61.6	147.7	27,200	27,000	26,700	26,400	80
85	59.6	144.8	24,900	24,600	24,300	24,100	85
90	57.5	141.8	22,800	22,500	22,300	22,000	90
95	55.3	138.5	20,900	20,700	20,500	20,200	95
100	53.1	134.9	19,300	19,100	18,900	18,600	100
105	50.9	130.9	17,800	17,600	17,400	17,200	105
110	48.5	126.7	16,500	16,300	16,100	15,900	110
115	46.1	122.1	15,300	15,100	14,900	14,700	115
120	43.5	117.1	14,200	14,000	13,800	13,700	120
125	40.9	111.5	13,200	13,000	12,900	12,700	125
130	38.0	105.5	12,300	12,100	11,900	11,800	130
135	35.0	98.7	11,400	11,300	11,100	10,900	135
140	31.8	91.1	10,600	10,500	10,300	10,200	140
145	28.2	82.5	9,900	9,800	9,600	9,500	145
150	24.1	72.3	9,200	9,100	9,000	8,800	150
155	19.3	59.8	8,600	8,500	8,300	8,200	155

Liftcrane Boom Capacities

3900W SERIES 2

Boom No. 9A With Open Throat Top
84,600 Lb. Counterweight
24 Ft. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree 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	Oper. Radius Feet
170 Ft. Boom						
30	81.2	174.9	108,200 *			30
32	80.5	174.5	100,100	86,600 *		32
34	79.8	174.2	91,600	86,200 *		34
36	79.2	173.8	84,300	83,700	65,400 *	36
38	78.5	173.4	78,100	77,400	65,100 *	38
40	77.8	173.0	72,600	72,000	64,900 *	40
45	76.0	171.8	61,400	60,900	60,300	45
50	74.3	170.5	52,900	52,500	52,000	50
55	72.5	169.0	46,200	45,800	45,400	55
60	70.8	167.4	40,800	40,500	40,100	60
65	69.0	165.5	36,400	36,100	35,700	65
70	67.2	163.5	32,700	32,400	32,000	70
75	65.3	161.3	29,500	29,200	28,900	75
80	63.4	158.9	26,800	26,500	26,200	80
85	61.5	156.3	24,400	24,100	23,900	85
90	59.6	153.5	22,300	22,100	21,800	90
95	57.6	150.4	20,500	20,200	20,000	95
100	55.6	147.2	18,800	18,600	18,400	100
105	53.6	143.6	17,400	17,200	16,900	105
110	51.4	139.8	16,000	15,800	15,600	110
115	49.2	135.6	14,800	14,600	14,400	115
120	47.0	131.1	13,700	13,500	13,400	120
125	44.6	126.3	12,700	12,500	12,400	125
130	42.2	121.0	11,800	11,600	11,500	130
135	39.6	115.2	10,900	10,800	10,600	135
140	36.9	108.9	10,200	10,000	9,900	140
145	34.0	101.8	9,400	9,300	9,100	145
150	30.8	93.9	8,800	8,600	8,500	150
155	27.3	85.0	8,100	8,000	7,900	155
160	23.4	74.4	7,500	7,400	7,300	160
165	18.7	61.4	7,000	6,900	6,700	165
170	12.5	43.5	6,500	6,400	6,200	170

Liftcrane Boom Capacities

3900W SERIES 2

Boom No. 9A With Open Throat Top
84,600 Lb. Counterweight
24 Ft. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree 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	Oper. Radius Feet
180 Ft. Boom						
32	81.1	184.7	96,000 *			32
34	80.4	184.3	91,400	70,300 *		34
36	79.8	184.0	84,200	70,000 *		36
38	79.1	183.6	77,900	69,700 *	52,600 *	38
40	78.5	183.2	72,400	69,400 *	52,400 *	40
45	76.8	182.1	61,200	60,700	52,000 *	45
50	75.2	180.9	52,800	52,300	51,500 *	50
55	73.5	179.5	46,100	45,700	45,200	55
60	71.9	177.9	40,700	40,300	39,900	60
65	70.2	176.2	36,200	35,900	35,500	65
70	68.5	174.3	32,500	32,200	31,900	70
75	66.8	172.3	29,300	29,100	28,800	75
80	65.0	170.0	26,600	26,300	26,100	80
85	63.3	167.6	24,200	24,000	23,700	85
90	61.5	165.0	22,200	21,900	21,700	90
95	59.6	162.2	20,300	20,100	19,900	95
100	57.8	159.1	18,700	18,500	18,200	100
105	55.9	155.8	17,200	17,000	16,800	105
110	53.9	152.3	15,900	15,700	15,500	110
115	51.9	148.6	14,700	14,500	14,300	115
120	49.9	144.5	13,600	13,400	13,200	120
125	47.8	140.1	12,600	12,400	12,200	125
130	45.6	135.4	11,600	11,500	11,300	130
135	43.3	130.3	10,800	10,600	10,500	135
140	40.9	124.8	10,000	9,900	9,700	140
145	38.4	118.7	9,300	9,100	9,000	145
150	35.8	112.1	8,600	8,500	8,300	150
155	33.0	104.8	8,000	7,800	7,700	155
160	29.9	96.7	7,400	7,300	7,100	160
165	26.6	87.3	6,800	6,700	6,600	165
170	22.7	76.5	6,300	6,200	6,100	170
175	18.2	63.1	5,800	5,700	5,600	175
180	12.1	44.6	5,400	5,300	5,100	180

Liftcrane Boom Capacities

3900W SERIES 2

Boom No. 9A With Open Throat Top
84,600 Lb. Counterweight
24 Ft. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree 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
190 Ft. Boom				
34	80.9	194.5	88,500 *	63,300 *
36	80.3	194.1	83,800	63,000 *
38	79.7	193.8	77,500	62,700 *
40	79.1	193.4	72,000	62,400 *
45	77.5	192.4	60,800	60,300
50	76.0	191.2	52,400	51,900
55	74.4	189.9	45,700	45,300
60	72.9	188.4	40,300	39,900
65	71.3	186.8	35,800	35,500
70	69.7	185.0	32,100	31,800
75	68.1	183.1	28,900	28,600
80	66.4	181.0	26,200	25,900
85	64.8	178.7	23,800	23,600
90	63.1	176.3	21,700	21,500
95	61.4	173.6	19,900	19,700
100	59.7	170.8	18,200	18,000
105	57.9	167.8	16,800	16,600
110	56.1	164.5	15,400	15,200
115	54.3	161.1	14,200	14,000
120	52.4	157.3	13,100	13,000
125	50.4	153.3	12,100	12,000
130	48.5	149.1	11,200	11,000
135	46.4	144.5	10,300	10,200
140	44.3	139.5	9,600	9,400
145	42.1	134.2	8,800	8,700
150	39.8	128.4	8,200	8,000
155	37.4	122.2	7,500	7,400
160	34.8	115.3	6,900	6,800
165	32.1	107.7	6,400	6,300
170	29.1	99.3	5,900	5,800
175	25.8	89.7	5,400	5,300
180	22.1	78.4	4,900	4,800
185	17.7	64.6	4,500	4,400
190	11.8	45.6	4,100	4,000

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds
200 Ft. Boom				
34	81.4	204.6	81,300 *	
36	80.8	204.3	79,800 *	56,600 *
38	80.2	203.9	77,200	56,300 *
40	79.6	203.6	71,600	56,100 *
45	78.2	202.6	60,500	55,400 *
50	76.7	201.5	52,000	51,500
55	75.2	200.2	45,300	44,900
60	73.7	198.9	39,900	39,500
65	72.2	197.3	35,400	35,100
70	70.7	195.7	31,700	31,400
75	69.2	193.8	28,500	28,200
80	67.7	191.9	25,800	25,500
85	66.1	189.7	23,400	23,200
90	64.5	187.4	21,300	21,100
95	62.9	185.0	19,500	19,300
100	61.3	182.3	17,800	17,600
105	59.7	179.5	16,400	16,200
110	58.0	176.5	15,000	14,800
115	56.3	173.2	13,800	13,600
120	54.5	169.8	12,700	12,600
125	52.8	166.1	11,700	11,600
130	50.9	162.2	10,800	10,600
135	49.1	158.0	10,000	9,800
140	47.2	153.5	9,200	9,000
145	45.2	148.7	8,400	8,300
150	43.1	143.5	7,800	7,600
155	41.0	138.0	7,100	7,000
160	38.7	132.0	6,500	6,400
165	36.4	125.5	6,000	5,900
170	33.9	118.4	5,500	5,400
175	31.2	110.6	5,000	4,900
180	28.4	101.8	4,500	4,400
185	25.2	91.9	4,100	4,000
190	21.6	80.4	3,700	3,600
195	17.3	66.2	3,300	3,200