

Liftcrane Boom Capacities

Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
22 Ft. 4 in. 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 with crawlers extended 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 is 20,000 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 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. 193744** or **No. 910557** and Wire Rope

Specification chart **No. 9071-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 22 Ft. 4 in. extendible crawlers, 36 in. treads, 15 Ft. 6 in. retractable gantry, 10 part boom hoist reeving, two 1-1/4 in. boom pendants, 1st counterweight = 28,500 Lb. and 2nd counterweight = 24,800 Lb. counterweight.

Maximum Boom Lengths Lifted Unassisted		
List	Over End of Blocked Crawlers	Over Side of Extended Crawlers
	Boom Length	Boom Length
0 Degree	180 Ft.	180 Ft.
1 Degree	160 Ft.	160 Ft.
2 Degree	140 Ft.	140 Ft.
3 Degree	130 Ft.	130 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
40 Ft. BOOM							
10	80.7	44.9	200,000 *	125,600 *			10
11	79.2	44.7	200,000 *	125,600 *	86,900 *		11
12	77.8	44.5	185,300 *	125,600 *	86,900 *	66,200 *	12
13	76.3	44.2	171,100 *	125,600 *	86,900 *	66,200 *	13
14	74.8	44.0	158,800 *	125,600 *	86,900 *	66,200 *	14
15	73.3	43.7	148,200 *	118,600 *	86,900 *	66,200 *	15
16	71.8	43.3	137,400	111,100 *	86,900 *	66,200 *	16
17	70.3	43.0	123,200	104,400 *	83,600 *	66,200 *	17
18	68.8	42.6	111,600	98,500 *	78,800 *	66,200 *	18
19	67.2	42.2	101,900	93,300 *	74,500 *	64,900 *	19
20	65.6	41.7	93,800	88,500 *	70,700 *	61,500 *	20
22	62.4	40.7	80,800	79,700	64,100 *	55,700 *	22
24	59.1	39.6	71,000	70,400	58,500 *	50,800 *	24
26	55.7	38.3	63,100	63,000	53,900 *	46,700 *	26
28	52.1	36.8	56,900	56,800	49,800 *	43,200 *	28
30	48.4	35.1	51,600	51,400	46,400 *	40,100 *	30
32	44.4	33.2	47,300	47,000	43,300 *	37,400 *	32
34	40.1	30.9	43,600	43,400	40,600 *	35,100 *	34
36	35.4	28.3	40,300	40,000	38,200 *	33,000 *	36
38	30.0	25.1	37,600	37,400	36,100 *	31,100 *	38
40	23.5	21.1	35,100	35,000	34,200 *	29,400 *	40
50 Ft. BOOM							
11	81.4	54.8	197,200 *				11
12	80.2	54.7	184,500 *	118,500 *			12
13	79.1	54.5	170,900 *	118,500 *	83,400 *		13
14	77.9	54.3	158,700 *	118,500 *	83,400 *	64,000 *	14
15	76.7	54.0	148,100 *	118,400 *	83,400 *	64,000 *	15
16	75.5	53.8	137,400	110,900 *	83,400 *	64,000 *	16
17	74.4	53.5	123,200	104,300 *	83,400 *	64,000 *	17
18	73.2	53.2	111,600	98,400 *	78,600 *	64,000 *	18
19	72.0	52.9	101,900	93,100 *	74,300 *	64,000 *	19
20	70.7	52.5	93,800	88,400 *	70,500 *	61,300 *	20
22	68.3	51.8	80,800	78,600	63,900 *	55,400 *	22
24	65.8	50.9	70,900	69,500	58,300 *	50,600 *	24
26	63.2	49.9	63,000	62,200	53,600 *	46,500 *	26
28	60.6	48.9	56,800	56,200	49,600 *	42,900 *	28
30	58.0	47.6	51,500	51,300	46,200 *	39,900 *	30
32	55.2	46.3	47,200	47,100	43,100 *	37,200 *	32
34	52.3	44.8	43,400	43,300	40,400 *	34,800 *	34
36	49.4	43.2	40,200	40,100	38,000 *	32,700 *	36
38	46.3	41.3	37,500	37,400	35,900 *	30,900 *	38
40	43.0	39.3	35,000	34,900	34,000 *	29,200 *	40
45	33.6	32.8	30,000	29,900	29,700	25,600 *	45
50	20.9	23.0	26,200	26,200	26,200	22,700 *	50



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60 Ft. BOOM							
12	81.9	64.8	173,600 *				12
13	80.9	64.6	169,900 *	110,800 *			13
14	79.9	64.5	155,900 *	110,700 *	79,200 *		14
15	79.0	64.3	142,600 *	110,700 *	79,200 *	61,400 *	15
16	78.0	64.1	132,600 *	110,700 *	79,200 *	61,400 *	16
17	77.0	63.8	122,900 *	104,100 *	79,200 *	61,400 *	17
18	76.0	63.6	111,500	98,200 *	78,400 *	61,400 *	18
19	75.0	63.3	101,800	92,900 *	74,100 *	61,300 *	19
20	74.1	63.0	93,700	88,200 *	70,300 *	61,000 *	20
22	72.1	62.4	80,600	77,500	63,600 *	55,200 *	22
24	70.0	61.7	70,800	68,600	58,100 *	50,300 *	24
26	68.0	60.9	62,900	61,400	53,400 *	46,200 *	26
28	65.9	60.1	56,600	55,600	49,400 *	42,700 *	28
30	63.8	59.1	51,400	50,700	45,900 *	39,600 *	30
32	61.6	58.1	47,000	46,500	42,900 *	37,000 *	32
34	59.4	56.9	43,300	43,000	40,200 *	34,600 *	34
36	57.2	55.7	40,000	39,800	37,800 *	32,500 *	36
38	54.9	54.3	37,300	37,100	35,700 *	30,600 *	38
40	52.5	52.8	34,800	34,600	33,600	28,900 *	40
45	46.1	48.5	29,800	29,600	29,100	25,400 *	45
50	39.0	43.0	26,000	25,800	25,500	22,500 *	50
55	30.6	35.7	22,900	22,800	22,700	20,100 *	55
60	19.0	24.7	20,500	20,500	20,500	18,200 *	60
70 Ft. BOOM							
14	81.4	74.6	149,900 *				14
15	80.6	74.5	138,400 *	101,000 *			15
16	79.7	74.3	127,500 *	99,800 *	74,800 *		16
17	78.9	74.1	118,700 *	98,600 *	74,700 *	58,600 *	17
18	78.1	73.9	111,400 *	97,500 *	74,700 *	58,500 *	18
19	77.2	73.6	101,700	92,800 *	74,000 *	58,500 *	19
20	76.4	73.4	93,600	87,800	70,100 *	58,500 *	20
22	74.7	72.9	80,500	76,500	63,500 *	55,000 *	22
24	73.0	72.3	70,700	67,800	58,000 *	50,100 *	24
26	71.3	71.6	62,800	60,700	53,300 *	46,000 *	26
28	69.5	70.9	56,500	55,000	49,300 *	42,500 *	28
30	67.8	70.1	51,300	50,200	45,800 *	39,500 *	30
32	66.0	69.2	46,900	46,100	42,700 *	36,800 *	32
34	64.2	68.3	43,100	42,600	40,100 *	34,400 *	34
36	62.3	67.3	39,900	39,500	37,600	32,300 *	36
38	60.5	66.2	37,200	36,900	35,200	30,500 *	38
40	58.6	65.0	34,700	34,500	33,000	28,800 *	40
45	53.6	61.6	29,700	29,500	28,600	25,200 *	45
50	48.3	57.5	25,900	25,700	25,100	22,300 *	50
55	42.5	52.5	22,800	22,600	22,300	20,000 *	55
60	36.0	46.3	20,300	20,200	20,100	18,100 *	60
65	28.3	38.3	18,300	18,200	18,200	16,400 *	65
70	17.6	26.3	16,600	16,600	16,600	15,000 *	70



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80 Ft. BOOM							
15	81.8	84.6	133,500 *				15
16	81.0	84.4	122,900 *	89,800 *			16
17	80.3	84.3	115,200 *	88,900 *			17
18	79.6	84.1	107,400 *	87,900 *	69,900 *		18
19	78.8	83.9	100,600 *	87,000 *	69,800 *	55,300 *	19
20	78.1	83.7	93,500	86,100 *	69,700 *	55,200 *	20
22	76.6	83.2	80,400	75,500	63,200 *	54,700 *	22
24	75.2	82.7	70,500	66,900	57,700 *	49,900 *	24
26	73.7	82.1	62,600	60,000	53,000 *	45,800 *	26
28	72.2	81.5	56,400	54,300	49,000 *	42,200 *	28
30	70.7	80.8	51,100	49,600	45,500 *	39,200 *	30
32	69.1	80.1	46,700	45,500	42,500 *	36,500 *	32
34	67.6	79.3	42,900	42,100	39,600	34,200 *	34
36	66.0	78.4	39,700	39,100	36,900	32,100 *	36
38	64.4	77.5	37,000	36,400	34,500	30,200 *	38
40	62.8	76.5	34,500	34,100	32,400	28,500 *	40
45	58.7	73.7	29,500	29,300	28,000	24,900 *	45
50	54.4	70.3	25,600	25,400	24,600	22,100 *	50
55	49.9	66.4	22,600	22,400	21,900	19,700 *	55
60	45.0	61.8	20,100	19,900	19,600	17,800 *	60
65	39.6	56.2	18,100	17,900	17,700	16,100 *	65
70	33.6	49.4	16,400	16,300	16,100	14,700 *	70
75	26.4	40.7	14,900	14,800	14,800	13,500 *	75
80	16.4	27.7	13,700	13,600	13,600	12,400 *	80
90 Ft. BOOM							
17	81.4	94.4	111,700 *				17
18	80.7	94.2	104,000 *	80,000 *			18
19	80.1	94.1	98,700 *	79,200 *			19
20	79.5	93.9	92,700 *	78,400 *	63,800 *		20
22	78.2	93.5	80,200	74,500	62,800 *	52,000 *	22
24	76.8	93.0	70,300	66,100	57,500 *	49,700 *	24
26	75.5	92.5	62,500	59,300	52,900 *	45,600 *	26
28	74.2	92.0	56,200	53,700	48,800 *	42,000 *	28
30	72.9	91.4	50,900	49,000	45,400 *	39,000 *	30
32	71.5	90.7	46,500	45,000	41,900	36,300 *	32
34	70.2	90.0	42,800	41,600	38,900	34,000 *	34
36	68.8	89.3	39,500	38,600	36,300	31,900 *	36
38	67.5	88.4	36,800	36,000	33,900	30,000 *	38
40	66.1	87.6	34,400	33,700	31,900	28,300 *	40
45	62.5	85.1	29,300	29,000	27,600	24,700 *	45
50	58.9	82.3	25,500	25,300	24,200	21,900 *	50
55	55.1	79.0	22,400	22,200	21,500	19,600 *	55
60	51.1	75.2	19,900	19,700	19,200	17,600 *	60
65	46.8	70.9	18,000	17,800	17,400	16,000 *	65
70	42.3	65.7	16,300	16,100	15,800	14,500 *	70
75	37.3	59.7	14,800	14,600	14,400	13,300 *	75
80	31.6	52.3	13,500	13,400	13,300	12,200 *	80
85	24.8	42.9	12,400	12,300	12,200	11,300 *	85
90	15.5	29.1	11,400	11,300	11,300	10,400 *	90



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100 Ft. BOOM							
18	81.7	104.4	101,100 *				18
19	81.1	104.2	95,900 *				19
20	80.5	104.0	90,100 *	71,200 *			20
22	79.4	103.7	80,100	69,900 *	56,800 *		22
24	78.2	103.3	70,200	65,300	56,000 *	47,200 *	24
26	77.0	102.8	62,300	58,600	52,700 *	45,400 *	26
28	75.8	102.3	56,100	53,100	48,500	41,900 *	28
30	74.6	101.8	50,800	48,500	44,600	38,800 *	30
32	73.5	101.2	46,400	44,600	41,200	36,100 *	32
34	72.3	100.6	42,600	41,200	38,300	33,800 *	34
36	71.0	99.9	39,400	38,300	35,700	31,700 *	36
38	69.8	99.2	36,700	35,700	33,400	29,800 *	38
40	68.6	98.4	34,200	33,400	31,400	28,100 *	40
45	65.5	96.3	29,200	28,700	27,100	24,600 *	45
50	62.3	93.8	25,300	25,000	23,800	21,700 *	50
55	59.0	91.0	22,300	22,100	21,100	19,400 *	55
60	55.6	87.7	19,800	19,700	18,900	17,400 *	60
65	52.0	84.1	17,900	17,800	17,100	15,800 *	65
70	48.3	79.8	16,100	16,000	15,500	14,400 *	70
75	44.3	75.0	14,700	14,600	14,200	13,200 *	75
80	40.0	69.5	13,400	13,300	13,000	12,100 *	80
85	35.3	62.9	12,300	12,200	12,000	11,100 *	85
90	29.9	55.1	11,300	11,200	11,100	10,300 *	90
95	23.5	45.0	10,500	10,400	10,300	9,500 *	95
100	14.7	30.4	9,700	9,600	9,500	8,800 *	100



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110 Ft. BOOM							
19	81.9	114.3	93,500 *				19
20	81.4	114.2	87,800 *				20
22	80.3	113.8	78,800 *	63,800 *			22
24	79.3	113.5	70,000	62,800 *	51,000 *		24
26	78.2	113.1	62,100	57,900	50,300 *	42,300 *	26
28	77.1	112.6	55,900	52,500	47,600	41,600 *	28
30	76.1	112.1	50,600	48,000	43,800	38,600 *	30
32	75.0	111.6	46,200	44,100	40,500	35,900 *	32
34	73.9	111.0	42,500	40,700	37,600	33,600 *	34
36	72.8	110.4	39,400	37,800	35,100	31,500 *	36
38	71.7	109.8	36,500	35,300	32,800	29,600 *	38
40	70.6	109.1	34,100	33,000	30,800	27,900 *	40
45	67.8	107.2	29,000	28,400	26,700	24,400 *	45
50	65.0	105.0	25,200	24,700	23,400	21,500 *	50
55	62.1	102.5	22,100	21,800	20,700	19,200 *	55
60	59.1	99.6	19,600	19,400	18,600	17,200 *	60
65	56.0	96.4	17,700	17,500	16,700	15,600 *	65
70	52.8	92.8	16,000	15,800	15,200	14,200 *	70
75	49.4	88.8	14,500	14,400	13,800	13,000 *	75
80	45.9	84.2	13,200	13,100	12,700	11,900 *	80
85	42.1	79.0	12,100	12,000	11,700	10,900 *	85
90	38.1	73.0	11,100	11,000	10,800	10,100 *	90
95	33.6	66.0	10,300	10,200	10,000	9,300 *	95
100	28.5	57.6	9,500	9,400	9,200	8,700 *	100
105	22.4	47.1	8,800	8,700	8,600	8,000 *	105
110	14.0	31.7	8,200	8,100	8,000	7,500 *	110



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120 Ft. BOOM							
22	81.1	124.0	77,500 *				22
24	80.2	123.6	69,700 *	57,100 *			24
26	79.2	123.3	62,000	56,100 *	44,600 *		26
28	78.2	122.9	55,700	51,900	44,400 *	35,600 *	28
30	77.3	122.4	50,500	47,400	42,900	35,500 *	30
32	76.3	121.9	46,000	43,600	39,700	35,400 *	32
34	75.3	121.4	42,300	40,300	36,900	33,300 *	34
36	74.3	120.9	39,200	37,400	34,400	31,200 *	36
38	73.3	120.3	36,300	34,900	32,200	29,300 *	38
40	72.3	119.7	33,900	32,600	30,300	27,700 *	40
45	69.8	117.9	28,800	28,000	26,200	24,100 *	45
50	67.2	115.9	24,900	24,400	22,900	21,200 *	50
55	64.6	113.7	21,900	21,500	20,300	18,900 *	55
60	61.9	111.1	19,500	19,200	18,200	17,000 *	60
65	59.2	108.3	17,500	17,200	16,400	15,300 *	65
70	56.3	105.1	15,700	15,500	14,800	13,900 *	70
75	53.4	101.6	14,300	14,100	13,500	12,700 *	75
80	50.4	97.6	13,000	12,900	12,300	11,600 *	80
85	47.2	93.2	11,900	11,800	11,300	10,700 *	85
90	43.8	88.3	10,900	10,800	10,400	9,800 *	90
95	40.2	82.7	10,000	9,900	9,600	9,100 *	95
100	36.4	76.3	9,300	9,200	8,900	8,400 *	100
105	32.1	68.9	8,600	8,500	8,300	7,800 *	105
110	27.3	60.1	7,900	7,800	7,700	7,200 *	110
115	21.4	49.0	7,400	7,300	7,100	6,700 *	115
120	13.4	32.8	6,700 *	6,700 *	6,700 *	6,200 *	120



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 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
130 Ft. BOOM							
22	81.8	134.1	75,700 *				22
24	80.9	133.8	68,000 *	49,300 *			24
26	80.0	133.4	61,800	49,100 *	37,300 *		26
28	79.1	133.1	55,500	48,900 *	37,100 *		28
30	78.2	132.7	50,200	46,800	37,000 *	29,500 *	30
32	77.3	132.2	45,800	43,100	36,900 *	29,400 *	32
34	76.4	131.7	42,100	39,800	36,200	29,300 *	34
36	75.5	131.2	39,000	37,000	33,800	29,300 *	36
38	74.6	130.7	36,100	34,400	31,600	29,100 *	38
40	73.7	130.1	33,700	32,200	29,700	27,400 *	40
45	71.4	128.5	28,600	27,600	25,700	23,900 *	45
50	69.0	126.7	24,700	24,100	22,500	21,000 *	50
55	66.7	124.7	21,700	21,200	19,900	18,700 *	55
60	64.2	122.4	19,300	18,900	17,800	16,800 *	60
65	61.8	119.8	17,300	16,900	16,000	15,100 *	65
70	59.2	117.0	15,500	15,300	14,500	13,700 *	70
75	56.6	113.8	14,100	13,800	13,200	12,500 *	75
80	53.9	110.3	12,800	12,600	12,000	11,400 *	80
85	51.1	106.5	11,700	11,500	11,000	10,500 *	85
90	48.3	102.2	10,700	10,600	10,100	9,600 *	90
95	45.2	97.5	9,800	9,700	9,300	8,900 *	95
100	42.0	92.2	9,100	9,000	8,600	8,200 *	100
105	38.6	86.3	8,400	8,300	8,000	7,600 *	105
110	34.9	79.5	7,800	7,700	7,400	7,000 *	110
115	30.8	71.7	7,200	7,100	6,900	6,500 *	115
120	26.2	62.5	6,700	6,600	6,400	6,000 *	120
125	20.6	50.8	6,200	6,100	5,900	5,600 *	125
130	12.8	34.0	5,400 *	5,400 *	5,400 *	5,200 *	130



222
222EX

Liftcrane Boom Capacities

Boom No. 222 With Open Throat Top
 53,300 Lb. Counterweight
 22 Ft. 4 in. 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
140 Ft. BOOM						
24	81.6	143.9	65,400 *			24
26	80.8	143.6	60,400 *	41,700 *		26
28	79.9	143.2	55,400	41,500 *	31,300 *	28
30	79.1	142.9	50,100	41,300 *	31,200 *	30
32	78.3	142.5	45,700	41,200 *	31,100 *	32
34	77.4	142.0	41,900	39,400	31,000 *	34
36	76.6	141.6	38,800	36,600	30,900 *	36
38	75.7	141.1	36,000	34,100	30,800 *	38
40	74.9	140.5	33,500	31,900	29,200	40
45	72.8	139.1	28,400	27,300	25,300	45
50	70.6	137.4	24,500	23,800	22,100	50
55	68.4	135.5	21,500	20,900	19,600	55
60	66.2	133.4	19,200	18,600	17,500	60
65	63.9	131.1	17,100	16,700	15,700	65
70	61.6	128.5	15,400	15,000	14,200	70
75	59.3	125.6	13,900	13,600	12,900	75
80	56.9	122.5	12,600	12,400	11,800	80
85	54.4	119.1	11,500	11,300	10,800	85
90	51.8	115.3	10,500	10,400	9,900	90
95	49.2	111.1	9,700	9,500	9,100	95
100	46.4	106.6	8,900	8,800	8,400	100
105	43.5	101.5	8,200	8,100	7,700	105
110	40.4	95.9	7,600	7,500	7,200	110
115	37.1	89.7	7,000	6,900	6,600	115
120	33.6	82.6	6,500	6,400	6,200	120
125	29.7	74.4	6,000	5,900	5,700	125
130	25.2	64.7	5,600	5,500	5,300	130
135	19.8	52.6	5,200	5,100	4,900	135
140	12.4	35.1	4,300 *	4,300 *	4,300 *	140



Liftcrane Boom Capacities

222

222EX

Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
22 Ft. 4 in. 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	Oper. Radius Feet
150 Ft. BOOM					
26	81.4	153.7	55,600 *		26
28	80.6	153.4	55,200	35,300 *	28
30	79.8	153.0	49,900	35,100 *	30
32	79.1	152.7	45,500	35,000 *	32
34	78.3	152.3	41,700	34,800 *	34
36	77.5	151.8	38,600	34,600 *	36
38	76.7	151.4	35,800	33,700	38
40	75.9	150.9	33,300	31,500	40
45	73.9	149.5	28,200	27,000	45
50	71.9	148.0	24,300	23,500	50
55	69.9	146.2	21,300	20,600	55
60	67.9	144.3	19,000	18,300	60
65	65.8	142.1	16,900	16,400	65
70	63.7	139.7	15,200	14,800	70
75	61.5	137.1	13,700	13,300	75
80	59.3	134.3	12,400	12,100	80
85	57.1	131.2	11,300	11,100	85
90	54.8	127.8	10,300	10,100	90
95	52.4	124.1	9,500	9,300	95
100	49.9	120.0	8,700	8,500	100
105	47.4	115.6	8,000	7,800	105
110	44.7	110.8	7,400	7,200	110
115	41.9	105.4	6,800	6,600	115
120	39.0	99.5	6,300	6,100	120
125	35.8	93.0	5,800	5,700	125
130	32.4	85.5	5,400	5,200	130
135	28.6	77.0	5,000	4,800	135
140	24.3	66.9	4,600	4,500	140
145	19.1	54.3	4,300 *	4,100	145
150	11.9	36.1	3,300 *	3,300 *	150

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds
160 Ft. BOOM				
26	81.9	163.8	47,900 *	
28	81.2	163.5	47,500 *	
30	80.5	163.2	46,700 *	30,100 *
32	79.7	162.8	45,300	30,000 *
34	79.0	162.5	41,500	29,800 *
36	78.3	162.1	38,400	29,700 *
38	77.6	161.6	35,600	29,500 *
40	76.8	161.2	33,100	29,400 *
45	75.0	159.9	28,000	26,600
50	73.1	158.5	24,100	23,100
55	71.2	156.8	21,000	20,300
60	69.3	155.0	18,800	18,000
65	67.4	153.0	16,700	16,100
70	65.4	150.8	15,000	14,500
75	63.5	148.4	13,500	13,100
80	61.4	145.8	12,200	11,800
85	59.4	142.9	11,100	10,800
90	57.3	139.8	10,100	9,800
95	55.1	136.5	9,200	9,000
100	52.9	132.8	8,500	8,200
105	50.6	128.9	7,800	7,600
110	48.2	124.6	7,100	6,900
115	45.8	119.9	6,600	6,400
120	43.2	114.8	6,100	5,900
125	40.5	109.2	5,600	5,400
130	37.7	103.0	5,100	5,000
135	34.6	96.1	4,700	4,600
140	31.3	88.4	4,400	4,300
145	27.7	79.5	4,000	3,900
150	23.5	69.0	3,700	3,500
155	18.5	55.9	3,100 *	3,100 *



Liftcrane Boom Capacities

Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
22 Ft. 4 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

222
222EX

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
170 Ft. BOOM			
28	81.7	173.6	40,400 *
30	81.0	173.3	39,700 *
32	80.4	173.0	39,300 *
34	79.7	172.6	38,700 *
36	79.0	172.3	38,200 *
38	78.3	171.9	35,400
40	77.6	171.4	32,900
45	75.9	170.2	27,800
50	74.1	168.9	23,900
55	72.4	167.4	20,800
60	70.6	165.7	18,500
65	68.8	163.8	16,500
70	67.0	161.8	14,700
75	65.1	159.5	13,300
80	63.3	157.1	12,000
85	61.3	154.5	10,900
90	59.4	151.6	9,900
95	57.4	148.5	9,000
100	55.4	145.2	8,200
105	53.3	141.6	7,600
110	51.2	137.7	6,900
115	49.0	133.5	6,400
120	46.7	128.9	5,800
125	44.3	124.0	5,400
130	41.9	118.7	4,900
135	39.3	112.8	4,500
140	36.5	106.3	4,200
145	33.6	99.2	3,800
150	30.4	91.1	3,500
155	26.9	81.9	3,200

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
180 Ft. BOOM			
30	81.5	183.4	34,500 *
32	80.9	183.1	33,900 *
34	80.3	182.8	33,300 *
36	79.6	182.4	32,900 *
38	79.0	182.1	32,400 *
40	78.3	181.6	32,000 *
45	76.7	180.5	27,600
50	75.0	179.3	23,700
55	73.4	177.8	20,600
60	71.7	176.3	18,400
65	70.0	174.5	16,300
70	68.3	172.6	14,600
75	66.6	170.5	13,100
80	64.8	168.2	11,800
85	63.1	165.8	10,700
90	61.3	163.1	9,700
95	59.4	160.3	8,800
100	57.6	157.2	8,100
105	55.7	153.9	7,400
110	53.7	150.3	6,700
115	51.7	146.5	6,200
120	49.6	142.4	5,600
125	47.5	138.0	5,200
130	45.3	133.2	4,700
135	43.0	128.0	4,300
140	40.6	122.4	4,000
145	38.1	116.3	3,600
150	35.5	109.6	3,300
155	32.6	102.1	3,000