

Liftcrane Boom Capacities

222 SERIES B 222EX SERIES B

Boom No. 222 With Open Throat Top
63,300 Lb. Crane Counterweight
14,000 Lb. Crawler Frame 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 crane counterweight = 28,500 Lbs., 2nd crane counterweight = 10,000 Lbs., 3rd crane counterweight = 24,800 Lbs. and four 3,500 Lb. crawler frame counterweights.

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 *	122,100 *	86,900 *	66,200 *	15
16	71.8	43.3	139,000 *	114,400 *	86,900 *	66,200 *	16
17	70.3	43.0	130,800 *	107,500 *	86,900 *	66,200 *	17
18	68.8	42.6	121,600 *	101,500 *	82,800 *	66,200 *	18
19	67.2	42.2	114,100 *	96,000 *	78,300 *	66,200 *	19
20	65.6	41.7	106,500 *	91,200 *	74,300 *	65,600 *	20
22	62.4	40.7	94,700 *	82,700 *	67,300 *	59,400 *	22
24	59.1	39.6	84,000 *	75,700 *	61,500 *	54,200 *	24
26	55.7	38.3	75,100	69,700 *	56,600 *	49,900 *	26
28	52.1	36.8	67,600	64,200 *	52,400 *	46,100 *	28
30	48.4	35.1	61,200 *	58,000 *	48,800 *	42,800 *	30
32	44.4	33.2	55,900 *	52,500 *	45,600 *	40,000 *	32
34	40.1	30.9	50,200 *	47,500 *	42,700 *	37,500 *	34
36	35.4	28.3	44,900 *	42,800 *	40,200 *	35,300 *	36
38	30.0	25.1	39,900 *	38,200 *	37,800 *	33,200 *	38
40	23.5	21.1	35,400 *	35,200 *	34,300 *	31,400 *	40
50 Ft. Boom							
11	81.4	54.8	197,200 *				11
12	80.2	54.7	185,200 *	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 *	118,500 *	83,400 *	64,000 *	15
16	75.5	53.8	138,200 *	114,200 *	83,400 *	64,000 *	16
17	74.4	53.5	127,900 *	107,400 *	83,400 *	64,000 *	17
18	73.2	53.2	119,100 *	101,300 *	82,600 *	64,000 *	18
19	72.0	52.9	112,300 *	95,900 *	78,100 *	64,000 *	19
20	70.7	52.5	105,400 *	91,000 *	74,100 *	64,000 *	20
22	68.3	51.8	94,600 *	82,600 *	67,100 *	59,200 *	22
24	65.8	50.9	84,200	75,500 *	61,300 *	54,000 *	24
26	63.2	49.9	75,000	69,600 *	56,400 *	49,600 *	26
28	60.6	48.9	67,500	64,500 *	52,200 *	45,900 *	28
30	58.0	47.6	61,300	59,100	48,600 *	42,600 *	30
32	55.2	46.3	56,200	54,300	45,400 *	39,800 *	32
34	52.3	44.8	51,800	50,200	42,500 *	37,300 *	34
36	49.4	43.2	48,000	46,700	40,000 *	35,000 *	36
38	46.3	41.3	44,700	43,600	37,800 *	33,000 *	38
40	43.0	39.3	41,800	40,900	35,800 *	31,200 *	40
45	33.6	32.8	35,400 *	33,500 *	31,500 *	27,400 *	45
50	20.9	23.0	27,100 *	26,600 *	26,400 *	24,400 *	50

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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							
12	81.9	64.8	173,800 *				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 *	107,200 *	79,200 *	61,400 *	17
18	76.0	63.6	115,700 *	101,200 *	79,200 *	61,400 *	18
19	75.0	63.3	108,300 *	95,700 *	77,900 *	61,300 *	19
20	74.1	63.0	101,800 *	90,800 *	73,900 *	61,300 *	20
22	72.1	62.4	91,800 *	82,400 *	66,900 *	58,900 *	22
24	70.0	61.7	82,800 *	75,400 *	61,100 *	53,700 *	24
26	68.0	60.9	74,800 *	69,400 *	56,200 *	49,400 *	26
28	65.9	60.1	67,300 *	64,000 *	52,000 *	45,600 *	28
30	63.8	59.1	61,200 *	58,400 *	48,300 *	42,400 *	30
32	61.6	58.1	56,000 *	53,700 *	45,100 *	39,500 *	32
34	59.4	56.9	51,600 *	49,700 *	42,300 *	37,000 *	34
36	57.2	55.7	47,800 *	46,200 *	39,800 *	34,800 *	36
38	54.9	54.3	44,500 *	43,100 *	37,600 *	32,800 *	38
40	52.5	52.8	41,600 *	40,400 *	35,600 *	31,000 *	40
45	46.1	48.5	35,800 *	34,800 *	31,300 *	27,200 *	45
50	39.0	43.0	31,200 *	30,500 *	27,900 *	24,100 *	50
55	30.6	35.7	27,200 *	25,900 *	25,100 *	21,600 *	55
60	19.0	24.7	21,400 *	20,600 *	20,700 *	19,500 *	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	104,400 *	95,600 *	74,600 *	58,500 *	19
20	76.4	73.4	98,900 *	90,700 *	73,700 *	58,500 *	20
22	74.7	72.9	88,700 *	82,000 *	66,800 *	58,400 *	22
24	73.0	72.3	80,100 *	74,700 *	61,000 *	53,600 *	24
26	71.3	71.6	74,000 *	68,600 *	56,000 *	49,200 *	26
28	69.5	70.9	67,200 *	63,300 *	51,800 *	45,400 *	28
30	67.8	70.1	61,000 *	57,800 *	48,200 *	42,200 *	30
32	66.0	69.2	55,900 *	53,200 *	45,000 *	39,400 *	32
34	64.2	68.3	51,500 *	49,200 *	42,200 *	36,800 *	34
36	62.3	67.3	47,700 *	45,700 *	39,700 *	34,600 *	36
38	60.5	66.2	44,400 *	42,700 *	37,400 *	32,600 *	38
40	58.6	65.0	41,500 *	40,000 *	35,400 *	30,800 *	40
45	53.6	61.6	35,600 *	34,500 *	31,200 *	27,000 *	45
50	48.3	57.5	31,100 *	30,200 *	27,700 *	24,000 *	50
55	42.5	52.5	27,500 *	26,800 *	24,900 *	21,500 *	55
60	36.0	46.3	24,600 *	24,100 *	22,600 *	19,400 *	60
65	28.3	38.3	21,700 *	20,800 *	20,600 *	17,700 *	65
70	17.6	26.3	17,800 *	16,800 *	16,700 *	16,100 *	70



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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
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	95,800 *	86,100 *	69,700 *	55,200 *	20
22	76.6	83.2	85,500 *	79,100 *	66,500 *	55,100 *	22
24	75.2	82.7	78,400 *	72,100 *	60,700 *	53,300 *	24
26	73.7	82.1	71,400 *	66,200 *	55,800 *	48,900 *	26
28	72.2	81.5	65,600 *	61,200 *	51,600 *	45,200 *	28
30	70.7	80.8	60,600 *	57,000 *	48,000 *	41,900 *	30
32	69.1	80.1	55,700	52,600	44,800 *	39,100 *	32
34	67.6	79.3	51,300	48,600	41,900 *	36,600 *	34
36	66.0	78.4	47,500	45,200	39,400 *	34,300 *	36
38	64.4	77.5	44,200	42,200	37,200 *	32,400 *	38
40	62.8	76.5	41,300	39,500	35,200 *	30,600 *	40
45	58.7	73.7	35,400	34,100	30,900 *	26,800 *	45
50	54.4	70.3	30,900	29,800	27,500 *	23,700 *	50
55	49.9	66.4	27,300	26,500	24,700 *	21,200 *	55
60	45.0	61.8	24,400	23,700	22,400 *	19,200 *	60
65	39.6	56.2	22,000	21,400	20,400 *	17,400 *	65
70	33.6	49.4	19,900	19,500	18,700 *	15,900 *	70
75	26.4	40.7	18,000 *	16,900 *	16,700 *	14,600 *	75
80	16.4	27.7	14,500 *	13,700 *	13,700 *	13,400 *	80



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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	82,700 *	75,900 *	62,800 *	52,000 *	22
24	76.8	93.0	75,900 *	69,200 *	60,500 *	51,800 *	24
26	75.5	92.5	69,200 *	63,700 *	55,600 *	48,700 *	26
28	74.2	92.0	63,500 *	58,900 *	51,400 *	45,000 *	28
30	72.9	91.4	59,200 *	54,900 *	47,800 *	41,700 *	30
32	71.5	90.7	55,600	51,300 *	44,600 *	38,900 *	32
34	70.2	90.0	51,100	48,100	41,800 *	36,400 *	34
36	68.8	89.3	47,300	44,800	39,300 *	34,200 *	36
38	67.5	88.4	44,000	41,800	37,000 *	32,200 *	38
40	66.1	87.6	41,100	39,100	35,000 *	30,400 *	40
45	62.5	85.1	35,300	33,700	30,800 *	26,600 *	45
50	58.9	82.3	30,700	29,500	27,300 *	23,500 *	50
55	55.1	79.0	27,100	26,200	24,600 *	21,100 *	55
60	51.1	75.2	24,200	23,400	22,200 *	19,000 *	60
65	46.8	70.9	21,800	21,200	20,300 *	17,200 *	65
70	42.3	65.7	19,800	19,200	18,600 *	15,700 *	70
75	37.3	59.7	18,100	17,600	17,100 *	14,400 *	75
80	31.6	52.3	16,600	16,100	15,800	13,300 *	80
85	24.8	42.9	14,800 *	13,900 *	13,800 *	12,200 *	85
90	15.5	29.1	12,000 *	11,400 *	11,400 *	11,200 *	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	80,300 *	69,900 *	56,800 *		22
24	78.2	103.3	73,700 *	67,400 *	56,000 *	47,200 *	24
26	77.0	102.8	67,100 *	61,900 *	55,200 *	46,600 *	26
28	75.8	102.3	61,600 *	57,300 *	51,300 *	44,800 *	28
30	74.6	101.8	58,100 *	53,300 *	47,600 *	41,600 *	30
32	73.5	101.2	53,900 *	49,900 *	44,400 *	38,700 *	32
34	72.3	100.6	50,300 *	46,800 *	41,600 *	36,200 *	34
36	71.0	99.9	47,100 *	44,100 *	39,100 *	34,000 *	36
38	69.8	99.2	43,900 *	41,400 *	36,900 *	32,000 *	38
40	68.6	98.4	41,000 *	38,800 *	34,900 *	30,200 *	40
45	65.5	96.3	35,100 *	33,400 *	30,600 *	26,400 *	45
50	62.3	93.8	30,600 *	29,200 *	27,200 *	23,400 *	50
55	59.0	91.0	27,000 *	25,900 *	24,400 *	20,900 *	55
60	55.6	87.7	24,000 *	23,200 *	22,100 *	18,800 *	60
65	52.0	84.1	21,600 *	20,900 *	20,100 *	17,100 *	65
70	48.3	79.8	19,700 *	19,000 *	18,400 *	15,600 *	70
75	44.3	75.0	18,000 *	17,400 *	16,800 *	14,300 *	75
80	40.0	69.5	16,500 *	15,900 *	15,500 *	13,100 *	80
85	35.3	62.9	15,200 *	14,700 *	14,300 *	12,100 *	85
90	29.9	55.1	14,000 *	13,400 *	13,200 *	11,200 *	90
95	23.5	45.0	12,200 *	11,600 *	11,500 *	10,400 *	95
100	14.7	30.4	10,000 *	9,800 *	9,600 *	9,300 *	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	71,700 *	62,800 *	51,000 *		24
26	78.2	113.1	65,200 *	59,700 *	50,300 *	42,300 *	26
28	77.1	112.6	59,800 *	55,300 *	49,600 *	41,800 *	28
30	76.1	112.1	56,400 *	51,500 *	47,400 *	41,300 *	30
32	75.0	111.6	52,300 *	48,100 *	44,200 *	38,500 *	32
34	73.9	111.0	48,800 *	45,200 *	41,400 *	36,000 *	34
36	72.8	110.4	45,700 *	42,600 *	38,900 *	33,800 *	36
38	71.7	109.8	43,000 *	40,300 *	36,700 *	31,800 *	38
40	70.6	109.1	40,500 *	38,200 *	34,700 *	30,000 *	40
45	67.8	107.2	35,000	33,100	30,400 *	26,200 *	45
50	65.0	105.0	30,400	28,900	27,000 *	23,200 *	50
55	62.1	102.5	26,800	25,600	24,200 *	20,700 *	55
60	59.1	99.6	23,900	22,900	21,900	18,600 *	60
65	56.0	96.4	21,400	20,600	19,800	16,900 *	65
70	52.8	92.8	19,500	18,700	18,000	15,400 *	70
75	49.4	88.8	17,800	17,100	16,500	14,100 *	75
80	45.9	84.2	16,300	15,700	15,200	12,900 *	80
85	42.1	79.0	15,000	14,400	14,000	11,900 *	85
90	38.1	73.0	13,800	13,300	13,000	11,000 *	90
95	33.6	66.0	12,800	12,400	12,000	10,200 *	95
100	28.5	57.6	11,700 *	11,100 *	11,000 *	9,500 *	100
105	22.4	47.1	10,100 *	9,600 *	9,500 *	8,800 *	105
110	14.0	31.7	8,300 *	8,200 *	8,200 *	7,700 *	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	63,300 *	56,100 *	44,600 *		26
28	78.2	122.9	59,000 *	54,100 *	44,400 *	35,600 *	28
30	77.3	122.4	54,700 *	50,300 *	44,300 *	35,500 *	30
32	76.3	121.9	50,700 *	47,000 *	43,500 *	35,400 *	32
34	75.3	121.4	47,200 *	44,100 *	41,000 *	35,300 *	34
36	74.3	120.9	44,200 *	41,500 *	38,700 *	33,500 *	36
38	73.3	120.3	41,500 *	39,200 *	36,400 *	31,500 *	38
40	72.3	119.7	39,300 *	37,100 *	34,400 *	29,700 *	40
45	69.8	117.9	34,700	32,700	30,200 *	25,900 *	45
50	67.2	115.9	30,200	28,600	26,800 *	22,900 *	50
55	64.6	113.7	26,600	25,300	23,900	20,400 *	55
60	61.9	111.1	23,600	22,600	21,500	18,300 *	60
65	59.2	108.3	21,200	20,300	19,400	16,600 *	65
70	56.3	105.1	19,300	18,400	17,600	15,100 *	70
75	53.4	101.6	17,600	16,800	16,100	13,800 *	75
80	50.4	97.6	16,100	15,400	14,800	12,600 *	80
85	47.2	93.2	14,800	14,100	13,600	11,600 *	85
90	43.8	88.3	13,600	13,000	12,600	10,700 *	90
95	40.2	82.7	12,600	12,100	11,700	9,900 *	95
100	36.4	76.3	11,700	11,200	10,900	9,200 *	100
105	32.1	68.9	10,800 *	10,400 *	10,100	8,600 *	105
110	27.3	60.1	9,600 *	9,100 *	9,000 *	8,000 *	110
115	21.4	49.0	8,300 *	7,800 *	7,800 *	7,400 *	115
120	13.4	32.8	6,700 *	6,700 *	6,700 *	6,200 *	120

Liftcrane Boom Capacities

222 SERIES B 222EX SERIES B

Boom No. 222 With Open Throat Top
63,300 Lb. Crane Counterweight
14,000 Lb. Crawler Frame 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	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	57,800 *	48,900 *	37,100 *		28
30	78.2	132.7	53,300 *	48,600 *	37,000 *	29,500 *	30
32	77.3	132.2	49,300 *	45,400 *	36,900 *	29,400 *	32
34	76.4	131.7	45,900 *	42,600 *	36,800 *	29,300 *	34
36	75.5	131.2	43,000 *	40,100 *	36,700 *	29,300 *	36
38	74.6	130.7	40,300 *	37,900 *	35,400 *	29,200 *	38
40	73.7	130.1	39,200 *	35,900 *	33,600 *	29,100 *	40
45	71.4	128.5	34,100 *	31,700 *	29,900 *	25,700 *	45
50	69.0	126.7	30,000	28,200	26,500	22,700 *	50
55	66.7	124.7	26,400	24,900	23,500	20,200 *	55
60	64.2	122.4	23,400	22,300	21,100	18,100 *	60
65	61.8	119.8	21,000	20,000	19,000	16,400 *	65
70	59.2	117.0	19,100	18,100	17,300	14,900 *	70
75	56.6	113.8	17,400	16,500	15,800	13,600 *	75
80	53.9	110.3	15,900	15,100	14,500	12,400 *	80
85	51.1	106.5	14,600	13,900	13,300	11,400 *	85
90	48.3	102.2	13,400	12,800	12,300	10,500 *	90
95	45.2	97.5	12,400	11,800	11,400	9,700 *	95
100	42.0	92.2	11,500	10,900	10,600	9,000 *	100
105	38.6	86.3	10,700	10,200	9,800	8,400 *	105
110	34.9	79.5	9,900 *	9,500	9,200	7,800 *	110
115	30.8	71.7	8,900 *	8,500 *	8,400 *	7,200 *	115
120	26.2	62.5	7,900 *	7,500 *	7,400 *	6,700 *	120
125	20.6	50.8	6,800 *	6,400 *	6,300 *	6,200 *	125
130	12.8	34.0	5,400 *	5,400 *	5,400 *	5,400 *	130



Liftcrane Boom Capacities

222 SERIES B 222EX SERIES B

Boom No. 222 With Open Throat Top
63,300 Lb. Crane Counterweight
14,000 Lb. Crawler Frame 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	56,500 *	41,500 *	31,300 *	28
30	79.1	142.9	52,000 *	41,300 *	31,200 *	30
32	78.3	142.5	48,100 *	41,200 *	31,100 *	32
34	77.4	142.0	44,700 *	41,000 *	31,000 *	34
36	76.6	141.6	41,800 *	38,900 *	30,900 *	36
38	75.7	141.1	39,200 *	36,700 *	30,800 *	38
40	74.9	140.5	38,100 *	34,800 *	30,700 *	40
45	72.8	139.1	33,100 *	30,700 *	28,700 *	45
50	70.6	137.4	29,100 *	27,400 *	25,800 *	50
55	68.4	135.5	26,000 *	24,600 *	23,100 *	55
60	66.2	133.4	23,200	22,000	20,700	60
65	63.9	131.1	20,800	19,800	18,700	65
70	61.6	128.5	18,900	17,900	17,000	70
75	59.3	125.6	17,200	16,300	15,500	75
80	56.9	122.5	15,700	14,900	14,200	80
85	54.4	119.1	14,400	13,700	13,100	85
90	51.8	115.3	13,200	12,600	12,000	90
95	49.2	111.1	12,200	11,600	11,100	95
100	46.4	106.6	11,300	10,700	10,300	100
105	43.5	101.5	10,500	10,000	9,600	105
110	40.4	95.9	9,800	9,200	8,900	110
115	37.1	89.7	9,000 *	8,600	8,300	115
120	33.6	82.6	8,100 *	7,900 *	7,700 *	120
125	29.7	74.4	7,300 *	7,000 *	6,900 *	125
130	25.2	64.7	6,400 *	6,100 *	6,000 *	130
135	19.8	52.6	5,400 *	5,100 *	5,100 *	135
140	12.4	35.1	4,300 *	4,300 *	4,300 *	140

Liftcrane Boom Capacities

Boom No. 222 With Open Throat Top
63,300 Lb. Crane Counterweight
14,000 Lb. Crawler Frame 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 SERIES B 222EX SERIES B

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds
150 Ft. Boom				
26	81.4	153.7	55,600 *	
28	80.6	153.4	55,300 *	35,300 *
30	79.8	153.0	50,800 *	35,100 *
32	79.1	152.7	46,900 *	35,000 *
34	78.3	152.3	43,600 *	34,800 *
36	77.5	151.8	40,700 *	34,600 *
38	76.7	151.4	39,100 *	34,500 *
40	75.9	150.9	37,100 *	34,100 *
45	73.9	149.5	32,100 *	30,000 *
50	71.9	148.0	28,200 *	26,700 *
55	69.9	146.2	25,100 *	24,000 *
60	67.9	144.3	22,500 *	21,700 *
65	65.8	142.1	20,400 *	19,500 *
70	63.7	139.7	18,700	17,600
75	61.5	137.1	17,000	16,000
80	59.3	134.3	15,500	14,600
85	57.1	131.2	14,200	13,400
90	54.8	127.8	13,000	12,300
95	52.4	124.1	12,000	11,400
100	49.9	120.0	11,100	10,500
105	47.4	115.6	10,300	9,700
110	44.7	110.8	9,600	9,000
115	41.9	105.4	8,900 *	8,400
120	39.0	99.5	8,100 *	7,800
125	35.8	93.0	7,300 *	7,100 *
130	32.4	85.5	6,600 *	6,400 *
135	28.6	77.0	5,800 *	5,600 *
140	24.3	66.9	5,100 *	4,800 *
145	19.1	54.3	4,300 *	4,100 *
150	11.9	36.1	3,300 *	

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	45,700 *	30,000 *
34	79.0	162.5	42,400 *	29,800 *
36	78.3	162.1	39,600 *	29,700 *
38	77.6	161.6	38,300 *	29,500 *
40	76.8	161.2	36,000 *	29,400 *
45	75.0	159.9	31,100 *	29,000 *
50	73.1	158.5	27,200 *	25,800 *
55	71.2	156.8	24,200 *	23,200 *
60	69.3	155.0	21,600 *	20,900 *
65	67.4	153.0	19,500 *	19,000 *
70	65.4	150.8	18,500	17,300
75	63.5	148.4	16,800	15,700
80	61.4	145.8	15,300	14,300
85	59.4	142.9	14,000	13,100
90	57.3	139.8	12,800	12,000
95	55.1	136.5	11,800	11,100
100	52.9	132.8	10,900	10,200
105	50.6	128.9	10,100 *	9,400
110	48.2	124.6	9,200 *	8,700
115	45.8	119.9	8,500 *	8,100
120	43.2	114.8	7,700 *	7,500
125	40.5	109.2	7,000 *	6,900 *
130	37.7	103.0	6,400 *	6,300 *
135	34.6	96.1	5,700 *	5,600 *
140	31.3	88.4	5,100 *	5,000 *
145	27.7	79.5	4,500 *	4,300 *
150	23.5	69.0	3,800 *	3,600 *
155	18.5	55.9	3,100 *	



Liftcrane Boom Capacities

Boom No. 222 With Open Throat Top
 63,300 Lb. Crane Counterweight
 14,000 Lb. Crawler Frame 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 SERIES B 222EX SERIES B

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	37,400 *
40	77.6	171.4	35,000 *
45	75.9	170.2	30,200 *
50	74.1	168.9	26,400 *
55	72.4	167.4	23,400 *
60	70.6	165.7	20,900 *
65	68.8	163.8	19,400 *
70	67.0	161.8	18,000 *
75	65.1	159.5	16,300 *
80	63.3	157.1	14,900 *
85	61.3	154.5	13,600 *
90	59.4	151.6	12,400 *
95	57.4	148.5	11,400 *
100	55.4	145.2	10,500 *
105	53.3	141.6	9,600 *
110	51.2	137.7	8,800 *
115	49.0	133.5	8,100 *
120	46.7	128.9	7,400 *
125	44.3	124.0	6,800 *
130	41.9	118.7	6,100 *
135	39.3	112.8	5,600 *
140	36.5	106.3	5,000 *
145	33.6	99.2	4,500 *
150	30.4	91.1	3,900 *
155	26.9	81.9	3,400 *

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	29,400 *
50	75.0	179.3	25,600 *
55	73.4	177.8	22,700 *
60	71.7	176.3	20,200 *
65	70.0	174.5	19,300 *
70	68.3	172.6	17,300 *
75	66.6	170.5	15,700 *
80	64.8	168.2	14,300 *
85	63.1	165.8	13,000 *
90	61.3	163.1	11,900 *
95	59.4	160.3	10,900 *
100	57.6	157.2	10,000 *
105	55.7	153.9	9,100 *
110	53.7	150.3	8,400 *
115	51.7	146.5	7,700 *
120	49.6	142.4	7,000 *
125	47.5	138.0	6,400 *
130	45.3	133.2	5,800 *
135	43.0	128.0	5,300 *
140	40.6	122.4	4,800 *
145	38.1	116.3	4,300 *
150	35.5	109.6	3,800 *
155	32.6	102.1	3,300 *