

Liftcrane Boom Capacities

Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

999 SERIES 3

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 (*). Capacities indicated by (b) require 12,500 Lb. minimum weight.

Upper boom point capacity for liftcrane service with single part whip line is 29,500 Lbs. or 59,000 Lbs. with two part whip line. When boom butt mounted auxiliary drum is used, capacity with single part whip line is 20,000 Lbs. or 40,000 Lbs. with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

250 Ft. and 260 Ft. boom lengths require only the middle two sheaves in lower boom point. All other sheaves must be removed from lower boom point.

Note: 22L boom top **No. 196142** or **No. 417403** required for capacities greater than or equal to 462,500 Lbs.

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.

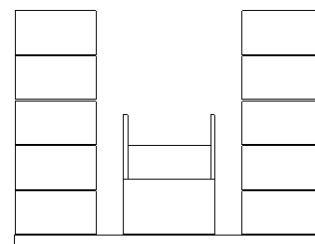
OPERATING CONDITIONS: Machine to operate on a firm uniformly supporting surface with gantry up and machine list not to exceed degrees noted. Refer to boom rigging **No. 195459** (No. 82) or **No. 195890** (No. 22EL) and Wire Rope Specification chart **No. 8223-A**. Crane operator judgment must be used 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.

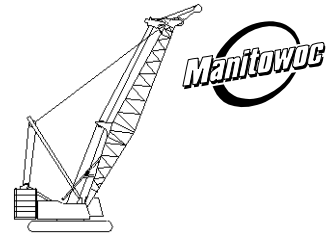
BOOM POINT ELEVATION: Boom point elevation is vertical distance from barge deck to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 28 Ft. 2 in. crawlers, 48 in. treads, 10 Ft. 3 in. retractable gantry, 30 Ft. live mast, 20 part boom hoist reeving, boom support straps or four 1-3/8 in. boom pendants, 219,600 Lb. crane counterweight, two 22,000 Lb. and two 18,000 Lb. carbody counterweights.

Maximum Boom Lengths Lifted Unassisted		
List	Over End of Blocked Crawlers	Over Side of Crawlers
	Boom Length	Boom Length
0 Degree	260 Ft.	260 Ft.
1 Degree	250 Ft.	250 Ft.
2 Degree	250 Ft.	250 Ft.
3 Degree	250 Ft.	250 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.		



219,600 Lb. Crane Counterweight
10 Side Boxes - 1 Center Box



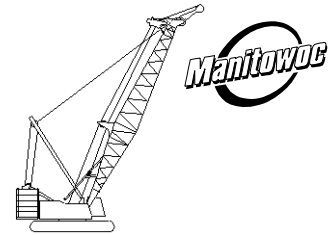
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Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
70 Ft. BOOM							
16	82.8	77.2	500,000 *b ¹				16
17	82.0	77.1	462,500 *b ¹	427,200 *b			17
18	81.1	76.9	438,700 *b	406,600 *b			18
19	80.3	76.7	417,100 *b	387,900 *b	362,200 *b		19
20	79.5	76.5	397,500 *b	370,800 *b	347,200 *b	308,700 *b	20
22	77.8	76.0	363,200 *b	340,600 *b	320,400 *b	279,400 *b	22
24	76.1	75.5	334,200 *b	314,800 *b	294,800 *b	255,000 *b	24
26	74.4	74.9	309,300 *	292,500 *	271,200 *	234,400 *	26
28	72.7	74.2	287,700 *	273,100 *	251,000 *	216,700 *	28
30	70.9	73.5	268,900 *	256,000 *	233,500 *	201,300 *	30
32	69.2	72.7	252,200 *	240,800 *	218,100 *	187,900 *	32
34	67.4	71.8	237,400 *	227,200 *	204,600 *	176,000 *	34
36	65.6	70.9	221,800	209,700	192,500 *	165,500 *	36
38	63.7	69.8	204,900	194,500	181,800 *	156,000 *	38
40	61.9	68.7	190,300	181,200	172,100 *	147,500 *	40
42	60.0	67.5	177,500	169,500	162,100	139,800 *	42
44	58.0	66.2	166,200	159,200	152,600	132,800 *	44
46	56.0	64.8	156,100	149,900	144,100	126,400 *	46
48	54.0	63.4	147,100	141,600	136,400	120,600 *	48
50	51.9	61.7	139,000	134,100	129,400	115,100 *	50
55	46.3	57.1	121,900	118,100	114,500	103,300 *	55
60	40.1	51.4	108,200	105,200	102,400	93,500 *	60
65	32.9	44.2	96,400 *	94,600	92,400	85,100 *	65
70	23.7	34.1	76,300 *	75,600 *	75,000 *	74,400 *	70

¹ See note on page 1.

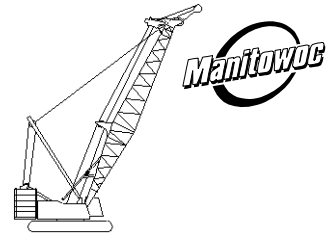


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80 Ft. BOOM							
17	83.0	87.2	447,700 *b				17
18	82.3	87.0	438,000 *b				18
19	81.5	86.9	416,400 *b	384,100 *b			19
20	80.8	86.7	396,900 *b	367,200 *b	340,300 *b		20
22	79.3	86.3	362,600 *b	337,500 *b	315,400 *b	278,900 *b	22
24	77.9	85.8	333,600 *b	312,000 *b	292,900 *b	254,500 *b	24
26	76.4	85.3	308,700 *	290,000 *	270,800 *	233,900 *	26
28	74.9	84.7	287,100 *	270,800 *	250,600 *	216,200 *	28
30	73.4	84.1	268,300 *	253,900 *	233,000 *	200,800 *	30
32	71.9	83.4	251,600 *	238,900 *	217,700 *	187,400 *	32
34	70.4	82.7	236,800 *	225,400 *	204,200 *	175,500 *	34
36	68.8	81.9	221,900	208,200	192,100 *	165,000 *	36
38	67.3	81.0	205,000	193,100	181,400 *	155,600 *	38
40	65.7	80.0	190,300	180,000	170,500	147,100 *	40
42	64.1	79.0	177,500	168,400	160,100	139,400 *	42
44	62.4	78.0	166,200	158,200	150,700	132,400 *	44
46	60.8	76.8	156,100	149,000	142,300	126,000 *	46
48	59.1	75.6	147,100	140,700	134,700	120,100 *	48
50	57.4	74.3	139,000	133,300	127,800	114,700 *	50
55	52.9	70.6	121,900	117,400	113,100	103,000 *	55
60	48.2	66.2	108,100	104,600	101,200	93,100 *	60
65	43.0	61.0	96,900	94,000	91,300	84,800 *	65
70	37.3	54.8	87,400	85,200	83,000	77,600 *	70
75	30.6	46.9	79,100 *	77,700	75,900	71,400 *	75
80	22.0	36.0	65,700 *	65,100 *	64,600 *	64,100 *	80

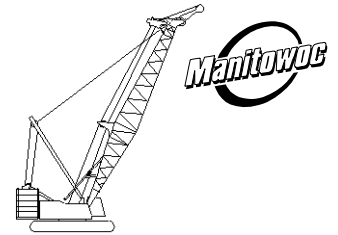


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Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
90 Ft. BOOM							
19	82.5	97.0	403,100 *b				19
20	81.8	96.8	396,400 *b	342,100 *b			20
22	80.5	96.5	362,100 *b	334,600 *b	296,200 *b		22
24	79.2	96.1	333,100 *b	309,500 *b	288,700 *b	254,200 *b	24
26	77.9	95.6	308,300 *	287,800 *	269,600 *	233,500 *	26
28	76.6	95.1	286,700 *	268,800 *	250,300 *	215,800 *	28
30	75.3	94.6	267,900 *	252,000 *	232,800 *	200,500 *	30
32	74.0	94.0	251,200 *	237,100 *	217,400 *	187,100 *	32
34	72.6	93.3	236,400 *	223,800 *	203,900 *	175,200 *	34
36	71.3	92.6	222,000	206,800	191,900 *	164,700 *	36
38	69.9	91.8	205,100	191,900	180,000	155,200 *	38
40	68.6	91.0	190,400	178,900	168,400	146,800 *	40
42	67.2	90.1	177,600	167,400	158,100	139,100 *	42
44	65.8	89.2	166,200	157,200	149,000	132,100 *	44
46	64.3	88.2	156,200	148,100	140,700	125,700 *	46
48	62.9	87.2	147,100	139,900	133,200	119,900 *	48
50	61.4	86.0	139,000	132,500	126,500	114,500 *	50
55	57.7	82.9	121,900	116,800	112,000	102,700 *	55
60	53.8	79.3	108,100	104,000	100,200	92,900 *	60
65	49.6	75.2	96,900	93,600	90,400	84,600 *	65
70	45.2	70.4	87,500	84,800	82,200	77,400 *	70
75	40.4	64.7	79,500	77,300	75,100	71,200 *	75
80	35.0	57.9	72,600	70,800	69,100	65,800 *	80
85	28.7	49.4	66,200 *	65,200	63,800	60,900 *	85
90	20.7	37.7	57,000 *	56,500 *	56,000 *	55,600 *	90

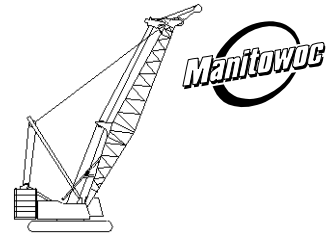


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100 Ft. BOOM							
20	82.7	107.0	385,900 *b				20
22	81.5	106.6	361,900 *b	325,300 *b			22
24	80.3	106.3	332,900 *b	307,200 *b	282,100 *b		24
26	79.2	105.9	308,000 *	285,700 *	266,200 *	233,400 *	26
28	78.0	105.4	286,500 *	267,000 *	249,700 *	215,700 *	28
30	76.8	104.9	267,700 *	250,400 *	232,600 *	200,300 *	30
32	75.6	104.4	251,000 *	235,700 *	217,300 *	186,900 *	32
34	74.4	103.8	236,200 *	222,400	203,800 *	175,100 *	34
36	73.2	103.2	222,200	205,400	190,700	164,500 *	36
38	72.0	102.5	205,200	190,700	177,800	155,100 *	38
40	70.8	101.8	190,500	177,800	166,500	146,600 *	40
42	69.6	101.0	177,700	166,500	156,400	139,000 *	42
44	68.3	100.2	166,300	156,400	147,400	132,000 *	44
46	67.1	99.3	156,300	147,400	139,300	125,600 *	46
48	65.8	98.4	147,200	139,200	131,900	119,700 *	48
50	64.6	97.4	139,100	131,900	125,200	114,400 *	50
55	61.3	94.7	121,900	116,300	111,000	102,600 *	55
60	57.9	91.6	108,200	103,600	99,300	92,800 *	60
65	54.4	88.1	96,900	93,200	89,700	84,500 *	65
70	50.8	84.1	87,500	84,500	81,500	77,400 *	70
75	46.9	79.5	79,600	77,000	74,500	71,200 *	75
80	42.7	74.3	72,700	70,600	68,500	65,800 *	80
85	38.2	68.1	66,800	65,000	63,300	61,000 *	85
90	33.1	60.8	61,600	60,100	58,600	56,700 *	90
95	27.2	51.7	56,300 *	55,600 *	54,500	52,800 *	95
100	19.5	39.4	48,700 *	48,300 *	47,900 *	47,500 *	100

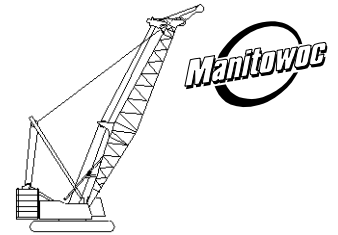


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110 Ft. BOOM							
22	82.3	116.8	353,700 *				22
24	81.2	116.4	332,400 *	288,000 *			24
26	80.2	116.1	307,500 *	283,400 *	243,000 *		26
28	79.1	115.7	286,000 *	264,900 *	237,800 *	208,900 *	28
30	78.0	115.2	267,100 *	248,500 *	232,000 *	199,900 *	30
32	77.0	114.7	250,500 *	233,900 *	216,900 *	186,500 *	32
34	75.9	114.2	235,700 *	220,700	202,500	174,600 *	34
36	74.8	113.6	222,100	203,900	188,100	164,100 *	36
38	73.7	113.0	205,100	189,300	175,500	154,700 *	38
40	72.6	112.4	190,400	176,600	164,300	146,200 *	40
42	71.5	111.7	177,500	165,300	154,400	138,500 *	42
44	70.4	110.9	166,200	155,300	145,600	131,500 *	44
46	69.3	110.2	156,100	146,400	137,600	125,200 *	46
48	68.2	109.3	147,100	138,300	130,400	119,300 *	48
50	67.0	108.5	138,900	131,000	123,800	113,900 *	50
55	64.1	106.1	121,700	115,500	109,700	102,200 *	55
60	61.2	103.4	108,000	102,900	98,200	92,400 *	60
65	58.1	100.3	96,700	92,600	88,700	84,100 *	65
70	55.0	96.8	87,300	83,900	80,600	77,000 *	70
75	51.7	93.0	79,400	76,500	73,700	70,800 *	75
80	48.2	88.6	72,500	70,100	67,700	65,400 *	80
85	44.5	83.6	66,600	64,500	62,500	60,600	85
90	40.6	77.9	61,400	59,600	57,900	56,200	90
95	36.3	71.4	56,800	55,300	53,800	52,400	95
100	31.5	63.6	52,700	51,400	50,100	48,900	100
105	25.8	54.0	47,900 *	47,300 *	46,800 *	45,800	105
110	18.6	40.9	41,600 *	41,200 *	40,900 *	40,500 *	110

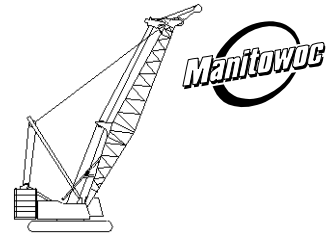


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120 Ft. BOOM							
22	82.9	126.9	324,500 *				22
24	82.0	126.6	324,500 *	278,100 *			24
26	81.0	126.2	307,200 *	274,300 *	234,500 *		26
28	80.0	125.9	285,700 *	263,000 *	229,900 *	200,800 *	28
30	79.1	125.5	266,800 *	246,800 *	225,400 *	197,300 *	30
32	78.1	125.0	250,200 *	232,300 *	215,900	186,200 *	32
34	77.1	124.5	235,400 *	219,000	199,700	174,400 *	34
36	76.1	124.0	222,100	202,400	185,600	163,800 *	36
38	75.1	123.5	205,100	188,000	173,200	154,400 *	38
40	74.1	122.9	190,400	175,400	162,300	145,900 *	40
42	73.1	122.2	177,500	164,300	152,600	138,300 *	42
44	72.1	121.6	166,100	154,400	143,900	131,300 *	44
46	71.1	120.9	156,000	145,500	136,100	124,900 *	46
48	70.1	120.1	147,000	137,500	129,000	119,100 *	48
50	69.1	119.3	138,800	130,300	122,500	113,700 *	50
55	66.5	117.2	121,600	114,800	108,600	102,000 *	55
60	63.8	114.7	107,900	102,400	97,200	92,200 *	60
65	61.1	112.0	96,600	92,000	87,800	83,800	65
70	58.3	109.0	87,200	83,400	79,800	76,500	70
75	55.4	105.6	79,200	76,000	73,000	70,100	75
80	52.4	101.8	72,400	69,700	67,100	64,600	80
85	49.3	97.5	66,500	64,100	61,900	59,700	85
90	46.0	92.8	61,300	59,300	57,300	55,500	90
95	42.5	87.5	56,700	54,900	53,300	51,600	95
100	38.7	81.4	52,600	51,100	49,600	48,200	100
105	34.6	74.4	48,900	47,600	46,400	45,100	105
110	30.0	66.2	45,600	44,500	43,400	42,400	110
115	24.7	56.1	41,100 *	40,600 *	40,200 *	39,700 *	115
120	17.7	42.4	35,800 *	35,400 *	35,100 *	34,800 *	120

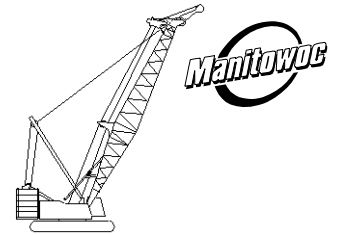


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130 Ft. BOOM							
24	82.6	136.7	295,000 *				24
26	81.7	136.4	295,000 *	245,300 *			26
28	80.8	136.0	285,400 *	240,100 *	202,900 *		28
30	79.9	135.7	266,500 *	235,100 *	199,200 *	173,200 *	30
32	79.0	135.3	249,900 *	230,200 *	195,500 *	170,300 *	32
34	78.1	134.8	235,100 *	217,500	192,000 *	167,500 *	34
36	77.2	134.3	221,900 *	201,100	183,200	163,600 *	36
38	76.3	133.8	205,100	186,800	171,100	154,200 *	38
40	75.4	133.3	190,400	174,300	160,400	145,700 *	40
42	74.5	132.7	177,500	163,300	150,900	138,000 *	42
44	73.5	132.1	166,100	153,500	142,300	131,100 *	44
46	72.6	131.5	156,000	144,700	134,600	124,700 *	46
48	71.7	130.8	146,900	136,700	127,600	118,800 *	48
50	70.7	130.1	138,800	129,500	121,300	113,500 *	50
55	68.4	128.1	121,600	114,200	107,600	101,500	55
60	66.0	125.9	107,800	101,800	96,400	91,300	60
65	63.5	123.4	96,500	91,600	87,000	82,800	65
70	61.0	120.7	87,100	83,000	79,100	75,500	70
75	58.4	117.6	79,200	75,700	72,400	69,200	75
80	55.8	114.3	72,300	69,300	66,500	63,800	80
85	53.0	110.6	66,400	63,800	61,400	59,000	85
90	50.2	106.5	61,200	59,000	56,800	54,800	90
95	47.2	101.9	56,600	54,700	52,800	51,000	95
100	44.0	96.8	52,500	50,800	49,200	47,600	100
105	40.7	91.2	48,900	47,400	45,900	44,500	105
110	37.1	84.8	45,600	44,300	43,000	41,800	110
115	33.2	77.4	42,600	41,400	40,300	39,300	115
120	28.8	68.7	39,800	38,800	37,900	37,000	120
125	23.6	58.1	35,500 *	35,100 *	34,700 *	34,300 *	125
130	17.0	43.8	30,900 *	30,600 *	30,300 *	30,100 *	130

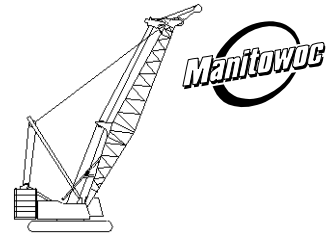


Liftcrane Boom Capacities

Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

999 SERIES 3

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
140 Ft. BOOM							
26	82.3	146.5	295,000 *				26
28	81.5	146.2	285,000 *	232,700 *			28
30	80.6	145.8	266,200 *	227,700 *	192,700 *		30
32	79.8	145.5	249,500 *	222,900 *	189,400 *	164,200 *	32
34	79.0	145.1	234,800 *	215,800 *	185,800 *	161,700 *	34
36	78.1	144.6	221,600 *	199,600 *	180,800 *	159,200 *	36
38	77.3	144.1	205,000 *	185,500 *	168,900 *	153,900 *	38
40	76.4	143.6	190,200 *	173,100 *	158,400 *	145,400 *	40
42	75.6	143.1	177,300 *	162,200 *	149,100 *	137,600 *	42
44	74.7	142.5	165,900 *	152,500 *	140,700 *	130,300 *	44
46	73.9	141.9	155,800 *	143,700 *	133,100 *	123,700 *	46
48	73.0	141.3	146,800 *	135,900 *	126,200 *	117,600 *	48
50	72.2	140.7	138,600 *	128,700 *	119,900 *	112,000 *	50
55	70.0	138.9	121,400 *	113,500 *	106,400 *	100,000 *	55
60	67.8	136.8	107,600 *	101,200 *	95,400 *	90,000 *	60
65	65.5	134.6	96,300 *	91,000 *	86,100 *	81,600 *	65
70	63.3	132.1	86,900 *	82,400 *	78,300 *	74,500 *	70
75	60.9	129.3	78,900 *	75,200 *	71,600 *	68,300 *	75
80	58.5	126.3	72,100 *	68,900 *	65,800 *	62,900 *	80
85	56.1	123.0	66,200 *	63,400 *	60,700 *	58,200 *	85
90	53.5	119.3	61,000 *	58,500 *	56,200 *	54,000 *	90
95	50.9	115.3	56,400 *	54,300 *	52,200 *	50,300 *	95
100	48.2	110.9	52,300 *	50,400 *	48,600 *	46,900 *	100
105	45.3	106.1	48,700 *	47,000 *	45,400 *	43,900 *	105
110	42.3	100.7	45,400 *	43,900 *	42,500 *	41,100 *	110
115	39.1	94.7	42,400 *	41,100 *	39,800 *	38,600 *	115
120	35.7	87.9	39,600 *	38,500 *	37,400 *	36,300 *	120
125	31.9	80.2	37,100 *	36,100 *	35,200 *	34,200 *	125
130	27.7	71.2	34,400 *	33,900 *	33,100 *	32,300 *	130
135	22.7	60.1	30,600 *	30,200 *	29,800 *	29,500 *	135
140	16.3	45.2	26,500 *	26,300 *	26,000 *	25,800 *	140

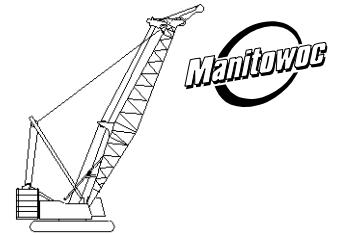


Liftcrane Boom Capacities

Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating

999 SERIES 3

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							
26	82.8	156.6	265,500 *				26
28	82.0	156.3	261,400 *	206,800 *			28
30	81.3	156.0	255,600 *	203,000 *			30
32	80.5	155.6	248,900 *	199,200 *	166,800 *		32
34	79.7	155.3	234,200 *	195,600 *	164,100 *	141,600 *	34
36	78.9	154.8	221,000 *	192,000 *	161,500 *	139,500 *	36
38	78.2	154.4	204,800	184,100	158,900 *	137,400 *	38
40	77.4	153.9	190,000	171,800	156,300 *	135,400 *	40
42	76.6	153.5	177,100	161,000	147,200	133,400 *	42
44	75.8	152.9	165,700	151,300	138,900	128,100	44
46	75.0	152.4	155,500	142,700	131,500	121,600	46
48	74.2	151.8	146,500	134,900	124,700	115,700	48
50	73.4	151.2	138,300	127,800	118,500	110,200	50
55	71.4	149.5	121,000	112,700	105,200	98,400	55
60	69.4	147.6	107,200	100,400	94,200	88,600	60
65	67.3	145.6	95,900	90,300	85,100	80,300	65
70	65.2	143.3	86,500	81,800	77,400	73,300	70
75	63.0	140.8	78,500	74,500	70,700	67,200	75
80	60.9	138.0	71,700	68,200	64,900	61,900	80
85	58.6	135.0	65,800	62,700	59,900	57,200	85
90	56.3	131.7	60,600	57,900	55,400	53,100	90
95	54.0	128.1	56,000	53,700	51,500	49,400	95
100	51.6	124.2	51,900	49,900	47,900	46,000	100
105	49.1	119.9	48,300	46,400	44,700	43,000	105
110	46.4	115.2	45,000	43,300	41,800	40,300	110
115	43.7	110.1	42,000	40,500	39,100	37,800	115
120	40.8	104.4	39,200	38,000	36,700	35,500	120
125	37.7	98.1	36,800	35,600	34,500	33,400	125
130	34.4	91.0	34,500	33,500	32,500	31,500	130
135	30.8	82.9	32,300	31,500	30,600	29,700	135
140	26.7	73.5	29,300 *	28,900 *	28,400 *	28,000 *	140
145	21.9	62.0	26,000 *	25,700 *	25,300 *	25,000 *	145
150	15.7	46.5	22,400 *	22,200 *	22,000 *	21,800 *	150

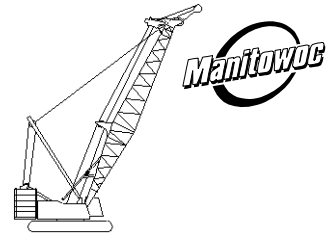


Liftcrane Boom Capacities

Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

999 SERIES 3

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	82.5	166.4	236,000 *				28
30	81.8	166.1	236,000 *	194,300 *			30
32	81.1	165.8	236,000 *	190,700 *			32
34	80.4	165.4	233,800 *	187,200 *	157,300 *		34
36	79.6	165.1	220,600 *	183,800 *	154,800 *	132,000 *	36
38	78.9	164.6	204,600	180,400 *	152,200 *	131,900 *	38
40	78.2	164.2	189,800	170,600	149,700 *	129,900 *	40
42	77.4	163.7	176,900	159,800	145,400	127,900 *	42
44	76.7	163.3	165,500	150,300	137,300	126,000 *	44
46	76.0	162.7	155,300	141,700	129,900	119,600	46
48	75.2	162.2	146,200	133,900	123,200	113,800	48
50	74.5	161.6	138,000	126,900	117,100	108,500	50
55	72.6	160.1	120,800	111,900	104,000	96,900	55
60	70.7	158.3	107,000	99,700	93,200	87,300	60
65	68.8	156.4	95,700	89,600	84,200	79,100	65
70	66.8	154.3	86,200	81,200	76,500	72,200	70
75	64.9	152.0	78,300	73,900	69,900	66,200	75
80	62.9	149.4	71,400	67,700	64,200	61,000	80
85	60.8	146.7	65,500	62,200	59,200	56,300	85
90	58.7	143.6	60,300	57,400	54,800	52,200	90
95	56.6	140.4	55,700	53,200	50,800	48,600	95
100	54.4	136.8	51,600	49,400	47,300	45,300	100
105	52.1	133.0	48,000	46,000	44,100	42,300	105
110	49.8	128.8	44,700	42,900	41,200	39,600	110
115	47.4	124.3	41,700	40,100	38,600	37,100	115
120	44.9	119.3	39,000	37,500	36,200	34,900	120
125	42.2	113.9	36,500	35,200	34,000	32,800	125
130	39.4	108.0	34,200	33,100	32,000	30,900	130
135	36.5	101.4	32,100	31,100	30,100	29,100	135
140	33.3	94.0	30,100	29,200	28,300	27,500	140
145	29.8	85.6	28,000 *	27,500 *	26,700	26,000	145
150	25.8	75.7	25,100 *	24,700 *	24,300 *	23,900 *	150
155	21.2	63.8	22,100 *	21,800 *	21,500 *	21,300 *	155
160	15.2	47.8	18,900 *	18,700 *	18,500 *	18,400 *	160

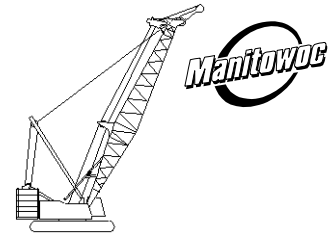


Liftcrane Boom Capacities

Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating

999 SERIES 3

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 Ft. BOOM							
28	83.0	176.5	232,700 *				28
30	82.3	176.2	228,400 *				30
32	81.6	175.9	224,100 *	175,900 *			32
34	80.9	175.6	219,800 *	173,100 *	143,700 *		34
36	80.3	175.2	215,700 *	170,300 *	141,600 *		36
38	79.6	174.9	204,500	167,500 *	139,600 *	114,900 *	38
40	78.9	174.4	189,700	164,800 *	137,600 *	114,800 *	40
42	78.2	174.0	176,700	158,800	135,600 *	114,700 *	42
44	77.5	173.6	165,300	149,300	133,600 *	114,600 *	44
46	76.8	173.1	155,100	140,800	128,400	113,500 *	46
48	76.1	172.6	146,000	133,100	121,900	112,000 *	48
50	75.4	172.0	137,900	126,100	115,900	106,900	50
55	73.7	170.6	120,600	111,200	102,900	95,500	55
60	71.9	168.9	106,800	99,100	92,200	86,000	60
65	70.1	167.1	95,400	89,100	83,300	78,100	65
70	68.3	165.2	86,000	80,600	75,700	71,200	70
75	66.4	163.0	78,000	73,400	69,200	65,300	75
80	64.6	160.6	71,200	67,200	63,500	60,100	80
85	62.7	158.1	65,200	61,800	58,600	55,600	85
90	60.8	155.3	60,000	57,000	54,200	51,500	90
95	58.8	152.3	55,400	52,800	50,300	47,900	95
100	56.8	149.1	51,400	49,000	46,800	44,600	100
105	54.7	145.6	47,700	45,600	43,600	41,700	105
110	52.6	141.8	44,400	42,500	40,700	39,000	110
115	50.4	137.7	41,400	39,700	38,100	36,600	115
120	48.2	133.3	38,700	37,200	35,700	34,300	120
125	45.9	128.5	36,200	34,900	33,500	32,300	125
130	43.4	123.3	34,000	32,700	31,500	30,400	130
135	40.9	117.6	31,800	30,700	29,600	28,600	135
140	38.2	111.4	29,900	28,900	27,900	27,000	140
145	35.3	104.5	28,100	27,200	26,300	25,400	145
150	32.2	96.8	26,400	25,600	24,800	24,000	150
155	28.8	88.1	24,000 *	23,500 *	23,100 *	22,700 *	155
160	25.0	77.9	21,400 *	21,000 *	20,700 *	20,400 *	160
165	20.5	65.6	18,800 *	18,500 *	18,200 *	18,000 *	165

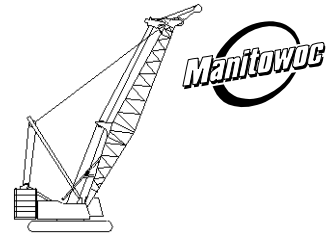


Liftcrane Boom Capacities

Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

999 SERIES 3

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 Ft. BOOM							
30	82.7	186.3	206,500 *				30
32	82.1	186.0	206,500 *				32
34	81.4	185.7	206,500 *	164,600 *			34
36	80.8	185.4	204,700 *	161,900 *	126,900 *		36
38	80.2	185.0	200,800 *	159,300 *	126,700 *		38
40	79.5	184.6	189,400	156,700 *	126,600 *	100,600 *	40
42	78.9	184.2	176,500	154,100 *	126,400 *	100,500 *	42
44	78.2	183.8	165,000	148,200	126,300 *	100,400 *	44
46	77.6	183.4	154,900	139,800	125,300 *	100,300 *	46
48	76.9	182.9	145,800	132,100	120,400	100,200 *	48
50	76.2	182.4	137,600	125,200	114,500	100,100 *	50
55	74.6	181.0	120,300	110,400	101,700	94,100	55
60	72.9	179.5	106,500	98,400	91,200	84,800	60
65	71.2	177.8	95,100	88,400	82,400	76,900	65
70	69.5	175.9	85,700	80,000	74,900	70,200	70
75	67.8	173.9	77,700	72,800	68,400	64,300	75
80	66.1	171.7	70,800	66,700	62,800	59,200	80
85	64.3	169.3	64,900	61,200	57,900	54,700	85
90	62.5	166.8	59,700	56,500	53,500	50,700	90
95	60.7	164.0	55,100	52,300	49,600	47,100	95
100	58.9	161.0	51,000	48,500	46,100	43,900	100
105	57.0	157.8	47,400	45,100	43,000	41,000	105
110	55.0	154.3	44,100	42,100	40,100	38,300	110
115	53.0	150.6	41,100	39,300	37,500	35,900	115
120	51.0	146.6	38,400	36,700	35,200	33,700	120
125	48.9	142.3	35,900	34,400	33,000	31,600	125
130	46.7	137.6	33,600	32,300	31,000	29,700	130
135	44.5	132.6	31,500	30,300	29,100	28,000	135
140	42.1	127.1	29,600	28,500	27,400	26,400	140
145	39.7	121.2	27,800	26,800	25,800	24,800	145
150	37.1	114.7	26,100	25,200	24,300	23,400	150
155	34.3	107.6	24,500	23,700	22,900	22,100	155
160	31.3	99.6	22,700 *	22,200 *	21,600	20,900	160
165	28.0	90.6	20,300 *	19,900 *	19,500 *	19,100 *	165
170	24.3	80.0	18,000 *	17,700 *	17,400 *	17,100 *	170
175	19.9	67.3	15,700 *	15,400 *	15,200 *	14,900 *	175

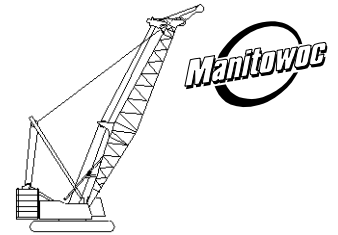


Liftcrane Boom Capacities

Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating

999 SERIES 3

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 Ft. BOOM							
32	82.5	196.2	196,800 *				32
34	81.9	195.9	193,600 *	148,500 *			34
36	81.3	195.5	190,500 *	148,200 *			36
38	80.7	195.2	184,500 *	146,300 *	111,600 *		38
40	80.1	194.8	177,000 *	144,200 *	111,500 *		40
42	79.4	194.4	170,300 *	142,100 *	111,300 *	87,900 *	42
44	78.8	194.0	164,200 *	140,000 *	111,100 *	87,800 *	44
46	78.2	193.6	154,600	138,000 *	111,000 *	87,700 *	46
48	77.6	193.2	145,500	131,200	110,800 *	87,600 *	48
50	77.0	192.7	137,300	124,300	110,700 *	87,500 *	50
55	75.4	191.4	120,000	109,600	100,500	87,300 *	55
60	73.9	189.9	106,100	97,600	90,100	83,400	60
65	72.3	188.4	94,800	87,700	81,400	75,700	65
70	70.7	186.6	85,300	79,300	73,900	69,000	70
75	69.1	184.7	77,300	72,200	67,500	63,300	75
80	67.4	182.7	70,400	66,000	62,000	58,200	80
85	65.8	180.4	64,500	60,600	57,100	53,800	85
90	64.1	178.0	59,300	55,900	52,700	49,800	90
95	62.4	175.4	54,700	51,700	48,900	46,300	95
100	60.7	172.6	50,600	47,900	45,400	43,100	100
105	58.9	169.6	46,900	44,500	42,300	40,200	105
110	57.1	166.4	43,600	41,500	39,400	37,500	110
115	55.3	163.0	40,600	38,700	36,900	35,100	115
120	53.4	159.3	37,900	36,200	34,500	32,900	120
125	51.5	155.4	35,400	33,900	32,300	30,900	125
130	49.5	151.2	33,200	31,700	30,300	29,000	130
135	47.5	146.7	31,100	29,700	28,500	27,300	135
140	45.4	141.8	29,100	27,900	26,800	25,700	140
145	43.2	136.5	27,300	26,200	25,200	24,100	145
150	40.9	130.9	25,700	24,700	23,700	22,700	150
155	38.5	124.7	24,100	23,200	22,300	21,400	155
160	36.0	118.0	22,600	21,800	21,000	20,200	160
165	33.3	110.6	21,300	20,500	19,800	19,000	165
170	30.4	102.3	19,100 *	18,700 *	18,200 *	17,800 *	170
175	27.2	93.0	17,000 *	16,700 *	16,300 *	16,000 *	175
180	23.6	82.1	15,000 *	14,700 *	14,400 *	14,100 *	180
185	19.4	68.9	12,800 *	12,600 *	12,400 *	12,100 *	185

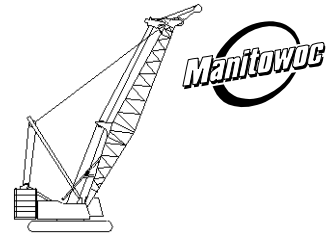


Liftcrane Boom Capacities

Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

999 SERIES 3

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 Ft. BOOM							
32	82.9	206.3	177,000 *				32
34	82.3	206.0	177,000 *				34
36	81.7	205.7	177,000 *	132,100 *			36
38	81.1	205.3	176,400 *	131,900 *			38
40	80.6	205.0	172,200 *	131,700 *	98,800 *		40
42	80.0	204.6	165,600 *	131,400 *	98,600 *	77,500 *	42
44	79.4	204.2	159,600 *	131,200 *	98,500 *	77,400 *	44
46	78.8	203.8	154,100 *	130,300 *	98,400 *	77,300 *	46
48	78.2	203.4	145,200	128,400 *	98,200 *	77,200 *	48
50	77.6	203.0	137,000	123,400	98,100 *	77,100 *	50
55	76.2	201.7	119,600	108,800	97,700 *	76,900 *	55
60	74.7	200.4	105,800	96,900	89,100	76,600 *	60
65	73.2	198.9	94,400	87,000	80,400	74,500	65
70	71.7	197.2	84,900	78,700	73,100	68,000	70
75	70.2	195.4	76,900	71,600	66,700	62,300	75
80	68.6	193.5	70,100	65,400	61,200	57,300	80
85	67.1	191.4	64,100	60,100	56,300	52,900	85
90	65.5	189.1	58,900	55,300	52,000	49,000	90
95	63.9	186.7	54,300	51,100	48,200	45,500	95
100	62.3	184.1	50,200	47,400	44,800	42,300	100
105	60.6	181.3	46,500	44,000	41,700	39,400	105
110	59.0	178.3	43,200	41,000	38,800	36,800	110
115	57.3	175.1	40,300	38,200	36,300	34,400	115
120	55.5	171.7	37,500	35,700	33,900	32,200	120
125	53.8	168.1	35,100	33,400	31,800	30,200	125
130	52.0	164.2	32,800	31,200	29,800	28,400	130
135	50.1	160.1	30,700	29,300	27,900	26,600	135
140	48.2	155.6	28,700	27,500	26,200	25,000	140
145	46.2	150.9	26,900	25,800	24,600	23,500	145
150	44.2	145.8	25,300	24,200	23,200	22,100	150
155	42.1	140.4	23,700	22,700	21,800	20,800	155
160	39.8	134.5	22,300	21,300	20,500	19,600	160
165	37.5	128.1	20,900	20,100	19,200	18,500	165
170	35.1	121.1	19,600	18,800	18,100	17,400	170
175	32.4	113.4	17,800 *	17,300 *	16,900 *	16,400	175
180	29.6	104.9	15,900 *	15,500 *	15,100 *	14,700 *	180
185	26.5	95.3	14,000 *	13,700 *	13,300 *	13,000 *	185
190	23.0	84.1	12,100 *	11,800 *	11,600 *	11,300 *	190
195	18.9	70.6	10,200 *	10,000 *	9,700 *	9,500 *	195

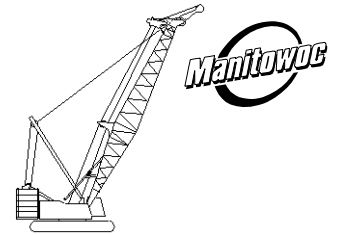


Liftcrane Boom Capacities

Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating

999 SERIES 3

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 Ft. BOOM							
34	82.7	216.1	171,300 *				34
36	82.1	215.8	169,200 *				36
38	81.6	215.5	166,900 *	117,900 *			38
40	81.0	215.1	164,500 *	117,600 *	87,700 *		40
42	80.5	214.8	160,800 *	117,400 *	87,600 *		42
44	79.9	214.4	155,000 *	117,200 *	87,400 *	68,200 *	44
46	79.4	214.0	149,600 *	116,900 *	87,300 *	68,100 *	46
48	78.8	213.6	144,800 *	116,700 *	87,100 *	68,000 *	48
50	78.2	213.2	136,700	116,400 *	87,000 *	67,900 *	50
55	76.8	212.0	119,400	108,000	86,600 *	67,700 *	55
60	75.4	210.8	105,500	96,200	86,200 *	67,400 *	60
65	74.0	209.3	94,100	86,400	79,500	67,200 *	65
70	72.6	207.8	84,600	78,100	72,200	66,900 *	70
75	71.1	206.1	76,600	71,000	65,900	61,400	75
80	69.7	204.2	69,800	64,900	60,500	56,400	80
85	68.2	202.2	63,800	59,500	55,700	52,100	85
90	66.7	200.1	58,600	54,800	51,400	48,200	90
95	65.2	197.8	54,000	50,700	47,600	44,700	95
100	63.7	195.4	49,900	46,900	44,200	41,600	100
105	62.2	192.7	46,200	43,600	41,100	38,800	105
110	60.6	189.9	42,900	40,500	38,300	36,200	110
115	59.0	187.0	39,900	37,800	35,700	33,800	115
120	57.4	183.8	37,200	35,200	33,400	31,600	120
125	55.8	180.4	34,700	32,900	31,200	29,600	125
130	54.1	176.8	32,400	30,800	29,300	27,800	130
135	52.4	173.0	30,400	28,900	27,400	26,100	135
140	50.6	168.9	28,400	27,000	25,700	24,500	140
145	48.8	164.6	26,600	25,400	24,200	23,000	145
150	46.9	160.0	24,900	23,800	22,700	21,600	150
155	45.0	155.1	23,400	22,300	21,300	20,300	155
160	43.0	149.8	21,900	21,000	20,000	19,100	160
165	41.0	144.1	20,600	19,700	18,800	17,900	165
170	38.8	138.0	19,300	18,500	17,700	16,900	170
175	36.6	131.4	18,100	17,300	16,600	15,900	175
180	34.2	124.2	16,500 *	16,000 *	15,500 *	14,900	180
185	31.6	116.3	14,700 *	14,300 *	13,900 *	13,500 *	185
190	28.9	107.5	13,000 *	12,600 *	12,300 *	11,900 *	190
195	25.8	97.5	11,300 *	11,000 *	10,700 *	10,400 *	195
200	22.4	86.0	9,600 *	9,300 *	9,100 *	8,800 *	200
205	18.4	72.1	7,800 *	7,600 *	7,400 *	7,200 *	205

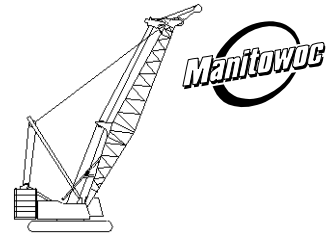


Liftcrane Boom Capacities

Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

999 SERIES 3

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
220 Ft. BOOM							
34	83.0	226.2	155,100 *				34
36	82.5	225.9	154,700 *				36
38	82.0	225.6	154,300 *	105,900 *			38
40	81.4	225.3	153,800 *	105,700 *			40
42	80.9	224.9	153,200 *	105,500 *	78,100 *		42
44	80.4	224.6	150,500 *	105,300 *	78,000 *		44
46	79.8	224.2	145,300 *	105,000 *	77,800 *	60,200 *	46
48	79.3	223.8	140,500 *	104,800 *	77,700 *	60,100 *	48
50	78.8	223.4	136,100 *	104,600 *	77,600 *	60,000 *	50
55	77.5	222.3	119,000	103,900 *	77,200 *	59,800 *	55
60	76.1	221.1	105,100	95,400	76,900 *	59,600 *	60
65	74.8	219.7	93,800	85,700	76,500 *	59,400 *	65
70	73.4	218.3	84,300	77,400	71,400	59,100 *	70
75	72.0	216.6	76,300	70,400	65,100	58,900 *	75
80	70.7	214.9	69,400	64,300	59,700	55,500	80
85	69.3	213.0	63,400	59,000	54,900	51,200	85
90	67.9	211.0	58,200	54,300	50,700	47,400	90
95	66.4	208.8	53,600	50,100	46,900	43,900	95
100	65.0	206.5	49,500	46,400	43,500	40,800	100
105	63.6	204.0	45,800	43,000	40,400	38,000	105
110	62.1	201.4	42,500	40,000	37,700	35,500	110
115	60.6	198.6	39,500	37,300	35,100	33,100	115
120	59.1	195.6	36,800	34,700	32,800	31,000	120
125	57.5	192.5	34,300	32,400	30,700	29,000	125
130	56.0	189.1	32,100	30,300	28,700	27,100	130
135	54.4	185.6	30,000	28,400	26,900	25,400	135
140	52.7	181.8	28,000	26,600	25,200	23,900	140
145	51.1	177.8	26,200	24,900	23,600	22,400	145
150	49.4	173.5	24,500	23,300	22,100	21,000	150
155	47.6	169.0	23,000	21,900	20,800	19,700	155
160	45.8	164.2	21,500	20,500	19,500	18,500	160
165	43.9	159.1	20,200	19,200	18,300	17,400	165
170	42.0	153.6	18,900	18,000	17,100	16,300	170
175	40.0	147.7	17,700	16,900	16,100	15,300	175
180	37.9	141.4	16,600	15,800	15,000	14,300	180
185	35.7	134.6	15,100 *	14,600 *	14,100 *	13,400	185
190	33.4	127.1	13,500 *	13,000 *	12,500 *	12,100 *	190
195	30.9	119.0	11,900 *	11,400 *	11,100 *	10,700 *	195
200	28.2	110.0	10,300 *	9,900 *	9,600 *	9,300 *	200
205	25.2	99.7	8,700 *	8,400 *	8,100 *	7,900 *	205
210	21.9	87.9	7,200 *	6,900 *	6,700 *	6,500 *	210
215	17.9	73.7	5,500 *	5,300 *	5,200 *	5,000 *	215

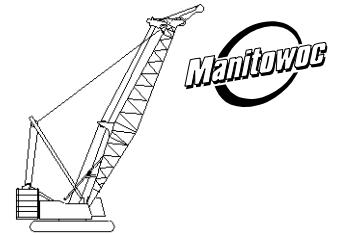


Liftcrane Boom Capacities

Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating

999 SERIES 3

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
230 Ft. BOOM							
36	82.8	236.0	139,300 *				36
38	82.3	235.7	138,800 *				38
40	81.8	235.4	138,400 *	94,500 *			40
42	81.3	235.1	138,000 *	94,300 *			42
44	80.8	234.7	137,500 *	94,100 *	69,100 *		44
46	80.3	234.4	137,100 *	93,900 *	69,000 *		46
48	79.8	234.0	135,800 *	93,700 *	68,800 *	52,700 *	48
50	79.3	233.6	132,500 *	93,400 *	68,700 *	52,600 *	50
55	78.0	232.6	118,700	92,900 *	68,400 *	52,400 *	55
60	76.7	231.4	104,700	92,300 *	68,000 *	52,200 *	60
65	75.4	230.1	93,300	84,900	67,700 *	52,000 *	65
70	74.1	228.7	83,800	76,700	67,300 *	51,800 *	70
75	72.8	227.2	75,800	69,700	64,200	51,500 *	75
80	71.5	225.5	68,900	63,600	58,900	51,300 *	80
85	70.2	223.7	63,000	58,300	54,100	50,300	85
90	68.9	221.8	57,700	53,600	49,900	46,500	90
95	67.5	219.7	53,100	49,500	46,200	43,100	95
100	66.2	217.5	49,000	45,800	42,800	40,000	100
105	64.8	215.2	45,300	42,400	39,700	37,200	105
110	63.4	212.7	42,000	39,400	37,000	34,700	110
115	62.0	210.1	39,000	36,700	34,400	32,300	115
120	60.6	207.3	36,300	34,200	32,100	30,200	120
125	59.1	204.3	33,800	31,900	30,000	28,200	125
130	57.6	201.1	31,600	29,700	28,000	26,400	130
135	56.1	197.8	29,500	27,800	26,200	24,700	135
140	54.6	194.3	27,500	26,000	24,500	23,100	140
145	53.1	190.6	25,700	24,300	23,000	21,700	145
150	51.5	186.6	24,000	22,700	21,500	20,300	150
155	49.9	182.4	22,500	21,300	20,100	19,000	155
160	48.2	178.0	21,000	19,900	18,800	17,800	160
165	46.5	173.3	19,700	18,600	17,600	16,700	165
170	44.7	168.3	18,400	17,400	16,500	15,600	170
175	42.9	163.0	17,200	16,300	15,400	14,600	175
180	41.0	157.3	16,100	15,200	14,400	13,700	180
185	39.1	151.3	15,000	14,200	13,500	12,800	185
190	37.0	144.7	13,600 *	13,000 *	12,500 *	11,900	190
195	34.9	137.7	12,000 *	11,500 *	11,100 *	10,600 *	195
200	32.6	130.1	10,500 *	10,100 *	9,700 *	9,300 *	200
205	30.2	121.7	9,000 *	8,700 *	8,300 *	8,000 *	205
210	27.5	112.4	7,600 *	7,300 *	7,000 *	6,700 *	210
215	24.6	101.9	6,200 *	5,900 *	5,600 *	5,400 *	215
220	21.4	89.8	4,700 *	4,500 *	4,300 *	4,100 *	220

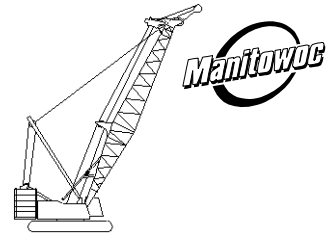


Liftcrane Boom Capacities

Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

999 SERIES 3

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
240 Ft. BOOM							
38	82.6	245.8	126,300 *				38
40	82.2	245.5	125,900 *				40
42	81.7	245.2	125,500 *	85,000 *			42
44	81.2	244.9	125,100 *	84,800 *			44
46	80.7	244.6	124,600 *	84,600 *	61,600 *		46
48	80.2	244.2	124,200 *	84,400 *	61,500 *		48
50	79.7	243.8	123,700 *	84,200 *	61,300 *	46,500 *	50
55	78.5	242.8	118,300	83,700 *	61,000 *	46,300 *	55
60	77.3	241.7	104,400	83,100 *	60,700 *	46,100 *	60
65	76.1	240.5	93,000	82,500 *	60,400 *	45,900 *	65
70	74.8	239.1	83,500	76,000	60,000 *	45,700 *	70
75	73.6	237.6	75,400	69,100	59,700 *	45,400 *	75
80	72.3	236.1	68,500	63,000	58,100	45,200 *	80
85	71.1	234.4	62,500	57,700	53,400	45,000 *	85
90	69.8	232.5	57,300	53,100	49,200	44,800 *	90
95	68.5	230.6	52,700	48,900	45,500	42,300	95
100	67.2	228.5	48,600	45,200	42,100	39,200	100
105	65.9	226.3	44,900	41,900	39,100	36,500	105
110	64.6	223.9	41,600	38,900	36,300	33,900	110
115	63.3	221.4	38,600	36,100	33,800	31,600	115
120	61.9	218.7	35,900	33,600	31,500	29,500	120
125	60.5	215.9	33,400	31,300	29,400	27,600	125
130	59.2	213.0	31,100	29,200	27,400	25,800	130
135	57.7	209.8	29,000	27,300	25,600	24,100	135
140	56.3	206.5	27,100	25,500	24,000	22,500	140
145	54.9	203.0	25,300	23,800	22,400	21,100	145
150	53.4	199.3	23,600	22,200	20,900	19,700	150
155	51.9	195.4	22,100	20,800	19,600	18,400	155
160	50.3	191.3	20,600	19,400	18,300	17,200	160
165	48.7	187.0	19,200	18,100	17,100	16,100	165
170	47.1	182.4	18,000	16,900	16,000	15,000	170
175	45.4	177.5	16,800	15,800	14,900	14,000	175
180	43.7	172.3	15,600	14,700	13,900	13,100	180
185	41.9	166.8	14,600	13,700	12,900	12,200	185
190	40.1	161.0	13,500	12,800	12,000	11,300	190
195	38.2	154.7	12,100 *	11,600 *	11,000 *	10,500	195
200	36.2	148.0	10,700 *	10,200 *	9,700 *	9,200 *	200
205	34.1	140.8	9,300 *	8,800 *	8,400 *	8,000 *	205
210	31.9	132.9	7,900 *	7,500 *	7,100 *	6,800 *	210
215	29.5	124.3	6,600 *	6,200 *	5,900 *	5,600 *	215
220	26.9	114.7	5,300 *	4,900 *	4,700 *	4,400 *	220

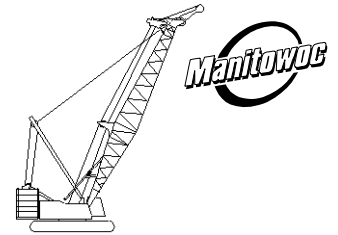


Liftcrane Boom Capacities

Boom No. 82 or 22EL
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

999 SERIES 3

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
250 Ft. BOOM							
38	82.9	255.9	114,500 *				38
40	82.5	255.6	114,100 *				40
42	82.0	255.3	113,800 *	76,900 *			42
44	81.5	255.0	113,400 *	76,700 *			44
46	81.1	254.7	113,000 *	76,500 *			46
48	80.6	254.4	112,600 *	76,300 *	55,300 *		48
50	80.1	254.0	112,200 *	76,100 *	55,100 *		50
55	79.0	253.0	111,100 *	75,600 *	54,900 *	41,300 *	55
60	77.8	252.0	104,700	75,100 *	54,600 *	41,100 *	60
65	76.6	250.8	93,300	74,500 *	54,300 *	40,900 *	65
70	75.4	249.5	83,800	74,000 *	53,900 *	40,700 *	70
75	74.3	248.1	75,800	69,200	53,600 *	40,500 *	75
80	73.1	246.6	68,900	63,200	53,300 *	40,300 *	80
85	71.9	244.9	62,900	57,900	53,000 *	40,100 *	85
90	70.6	243.2	57,700	53,200	49,200	39,900 *	90
95	69.4	241.3	53,000	49,100	45,500	39,700 *	95
100	68.2	239.3	48,900	45,400	42,200	39,200	100
105	66.9	237.2	45,300	42,100	39,200	36,500	105
110	65.7	235.0	42,000	39,100	36,500	34,000	110
115	64.4	232.6	39,000	36,400	34,000	31,700	115
120	63.1	230.1	36,200	33,900	31,700	29,600	120
125	61.8	227.4	33,700	31,600	29,600	27,700	125
130	60.5	224.6	31,500	29,500	27,600	25,900	130
135	59.2	221.6	29,400	27,500	25,800	24,200	135
140	57.8	218.5	27,400	25,700	24,200	22,700	140
145	56.5	215.2	25,600	24,100	22,600	21,200	145
150	55.1	211.7	24,000	22,500	21,200	19,900	150
155	53.6	208.1	22,400	21,100	19,800	18,600	155
160	52.2	204.2	20,900	19,700	18,500	17,400	160
165	50.7	200.2	19,600	18,400	17,300	16,300	165
170	49.2	195.9	18,300	17,200	16,200	15,200	170
175	47.7	191.4	17,100	16,100	15,200	14,200	175
180	46.1	186.6	16,000	15,000	14,200	13,300	180
185	44.5	181.6	14,900	14,000	13,200	12,400	185
190	42.8	176.2	13,900	13,100	12,300	11,500	190
195	41.1	170.6	12,900	12,200	11,500	10,700	195
200	39.3	164.5	11,800 *	11,200 *	10,600	10,000	200
205	37.4	158.1	10,400 *	9,900 *	9,400 *	8,900 *	205
210	35.4	151.2	9,100 *	8,600 *	8,200 *	7,700 *	210
215	33.4	143.7	7,800 *	7,400 *	7,000 *	6,600 *	215
220	31.2	135.7	6,500 *	6,200 *	5,800 *	5,500 *	220
225	28.9	126.8	5,300 *	5,000 *	4,700 *	4,400 *	225
230	26.4	117.1	4,100 *				230



Liftcrane Boom Capacities

Boom No. 82 or 22EL
 219,600 Lb. Crane Counterweight
 80,000 Lb. Carbody Counterweight
 Crawler Machine on a Barge
 0 Degree thru 3 Degree Machine List
 No Travel - 360 Degree Rating

999 SERIES 3

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
260 Ft. BOOM			
40	82.8	265.7	104,300 *
42	82.3	265.4	103,900 *
44	81.9	265.1	103,600 *
46	81.4	264.8	103,200 *
48	81.0	264.5	102,800 *
50	80.5	264.2	102,400 *
55	79.4	263.2	101,400 *
60	78.3	262.2	100,300 *
65	77.2	261.1	92,900
70	76.0	259.8	83,400
75	74.9	258.5	75,400
80	73.7	257.0	68,500
85	72.6	255.5	62,500
90	71.4	253.8	57,300
95	70.2	252.0	52,600
100	69.1	250.1	48,500
105	67.9	248.1	44,800
110	66.7	245.9	41,500
115	65.5	243.7	38,500
120	64.2	241.3	35,800
125	63.0	238.7	33,300
130	61.8	236.1	31,000
135	60.5	233.2	28,900
140	59.2	230.3	27,000
145	57.9	227.2	25,200
150	56.6	223.9	23,500
155	55.3	220.4	22,000
160	53.9	216.8	20,500
165	52.5	213.0	19,200
170	51.1	209.0	17,900
175	49.7	204.8	16,700
180	48.2	200.4	15,500
185	46.7	195.7	14,500
190	45.1	190.8	13,500
195	43.5	185.6	12,500
200	41.9	180.1	11,600
205	40.2	174.2	10,400 *
210	38.5	168.0	9,100 *
215	36.6	161.4	7,800 *
220	34.7	154.3	6,600 *
225	32.7	146.7	5,400 *
230	30.6	138.4	4,300 *