

Liftcrane Boom Capacities

Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg 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 5 670 kg minimum weight.

Upper boom point capacity for liftcrane service with single part whip line is 13 380 kg or 26 760 kg with two part whip line. When boom butt mounted auxiliary drum is used, capacity with single part whip line is 9 070 kg or 18 140 kg with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

76.2m and 79.2m 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 219 900 kg.

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.

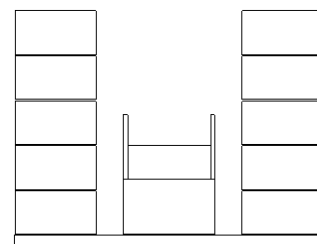
OPERATING CONDITIONS: Machine to operate on a firm uniformly supporting surface with gantry up and machine list not to exceed degrees noted. Refer to boom rigging **No. 195459** (No. 82) or **No. 195890** (No. 22EL) and Wire Rope Specification chart **No. 8223-A**. Crane operator judgment must be used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

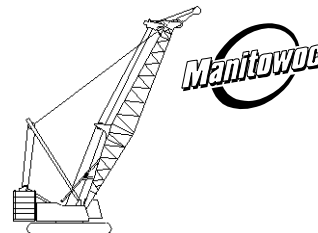
BOOM POINT ELEVATION: Boom point elevation is vertical distance from barge deck to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 8 585 mm crawlers, 1 219 mm treads, 3 124 mm retractable gantry, 9 144 mm live mast, 20 part boom hoist reeving, boom support straps or four 35 mm boom pendants, 99 610 kg crane counterweight, two 9 980 kg and two 8 165 kg carbody counterweights.

Maximum Boom Lengths Lifted Unassisted		
List	Over End of Blocked Crawlers	Over Side of Crawlers
	Boom Length	Boom Length
0 Degree	79.2m	79.2m
1 Degree	76.2m	76.2m
2 Degree	76.2m	76.2m
3 Degree	76.2m	76.2m
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.		



99 610 kg Crane Counterweight
10 Side Boxes - 1 Center Box



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Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
21.3m (70 Ft.) BOOM							
4.9	82.8	23.5	226 700 * ^{b 1}				4.9
5.0	82.5	23.5	219 900 * ^{b 1}				5.0
5.5	81.1	23.4	198 500 * ^b	184 000 * ^b			5.5
6.0	79.7	23.3	183 000 * ^b	170 500 * ^b	159 600 * ^b		6.0
7.0	77.0	23.1	158 000 * ^b	148 500 * ^b	139 600 * ^b	121 100 * ^b	7.0
8.0	74.2	22.8	139 000 *	131 500 *	121 800 *	105 200 *	8.0
9.0	71.3	22.5	123 800 *	117 800 *	107 600 *	92 800 *	9.0
10.0	68.4	22.1	111 500 *	106 600 *	96 300 *	82 900 *	10.0
11.0	65.5	21.6	100 200	94 700	87 000 *	74 800 *	11.0
12.0	62.5	21.1	88 200	83 900	79 400 *	68 000 *	12.0
13.0	59.3	20.5	78 700	75 200	72 000	62 300 *	13.0
14.0	56.1	19.8	70 900	68 100	65 400	57 400 *	14.0
15.0	52.7	19.0	64 400	62 100	59 900	53 100 *	15.0
16.0	49.1	18.1	58 900	56 900	55 100	49 300 *	16.0
18.0	41.3	16.0	50 100	48 700	47 300	43 100 *	18.0
20.0	31.9	13.2	42 800 *	42 000	41 100	38 000 *	20.0
24.4m (80 Ft.) BOOM							
5.2	83.0	26.6	203 000 * ^b				5.2
5.5	82.2	26.5	198 300 * ^b				5.5
6.0	81.0	26.4	182 700 * ^b	168 900 * ^b			6.0
7.0	78.6	26.2	157 800 * ^b	147 200 * ^b	137 900 * ^b	121 100 * ^b	7.0
8.0	76.2	26.0	138 700 *	130 300 *	121 600 *	105 000 *	8.0
9.0	73.8	25.7	123 500 *	116 800 *	107 400 *	92 600 *	9.0
10.0	71.3	25.3	111 300 *	105 800 *	96 100 *	82 700 *	10.0
11.0	68.8	24.9	100 300	94 100	86 900 *	74 600 *	11.0
12.0	66.2	24.5	88 300	83 400	78 900	67 800 *	12.0
13.0	63.5	24.0	78 700	74 800	71 100	62 100 *	13.0
14.0	60.9	23.4	70 900	67 700	64 600	57 200 *	14.0
15.0	58.1	22.8	64 400	61 700	59 100	52 900 *	15.0
16.0	55.2	22.1	58 900	56 600	54 400	49 200 *	16.0
18.0	49.1	20.4	50 100	48 400	46 800	43 000 *	18.0
20.0	42.4	18.4	43 300	42 100	40 900	38 000 *	20.0
22.0	34.5	15.7	37 900	37 000	36 100	33 900 *	22.0
24.0	24.5	11.9	31 500 *	31 100	30 700	29 900 *	24.0

¹ See note on page 1.

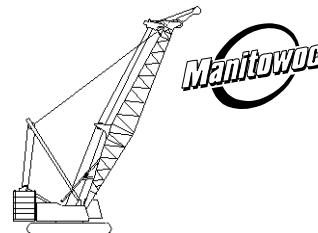


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Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
27.4m (90 Ft.) BOOM							
5.8	82.5	29.6	182 800 *b				5.8
6.0	82.0	29.5	180 700 *b				6.0
7.0	79.9	29.3	157 500 *b	147 200 *b	132 700 *b		7.0
8.0	77.8	29.1	138 500 *	129 400 *	121 200 *	104 800 *	8.0
9.0	75.6	28.9	123 400 *	116 000 *	107 300 *	92 400 *	9.0
10.0	73.4	28.6	111 100 *	105 000 *	96 000 *	82 600 *	10.0
11.0	71.2	28.2	100 300	93 400	86 800	74 500 *	11.0
12.0	69.0	27.8	88 300	82 900	78 000	67 700 *	12.0
13.0	66.7	27.4	78 800	74 300	70 300	62 000 *	13.0
14.0	64.4	26.9	70 900	67 300	63 900	57 100 *	14.0
15.0	62.0	26.4	64 400	61 300	58 500	52 800 *	15.0
16.0	59.6	25.8	58 900	56 300	53 900	49 100 *	16.0
18.0	54.5	24.4	50 100	48 100	46 300	42 900 *	18.0
20.0	49.1	22.7	43 300	41 900	40 500	37 900 *	20.0
22.0	43.2	20.7	38 000	36 900	35 800	33 800 *	22.0
24.0	36.4	18.2	33 600	32 800	31 900	30 400 *	24.0
26.0	28.3	14.9	29 800 *	29 300	28 700	27 400 *	26.0
30.5m (100 Ft.) BOOM							
6.1	82.7	32.6	175 000 *b				6.1
7.0	80.9	32.5	158 000 *b	143 500 *b			7.0
8.0	79.0	32.3	138 400 *	128 400 *	119 800 *	104 800 *	8.0
9.0	77.1	32.0	123 300 *	115 200 *	107 300 *	92 400 *	9.0
10.0	75.1	31.7	111 000 *	104 300	95 900 *	82 500 *	10.0
11.0	73.2	31.4	100 400	92 800	86 200	74 400 *	11.0
12.0	71.2	31.1	88 300	82 400	77 000	67 600 *	12.0
13.0	69.2	30.7	78 800	73 900	69 500	61 900 *	13.0
14.0	67.1	30.3	71 000	66 900	63 300	57 000 *	14.0
15.0	65.1	29.8	64 400	61 000	57 900	52 800 *	15.0
16.0	62.9	29.3	58 900	56 000	53 300	49 100 *	16.0
18.0	58.6	28.1	50 100	47 900	45 900	42 800 *	18.0
20.0	54.0	26.7	43 300	41 700	40 100	37 900 *	20.0
22.0	49.1	25.0	38 000	36 700	35 500	33 800 *	22.0
24.0	43.8	23.1	33 700	32 700	31 700	30 400 *	24.0
26.0	37.9	20.6	30 100	29 300	28 500	27 500 *	26.0
28.0	31.0	17.6	27 000	26 400	25 800	25 000 *	28.0
30.0	22.2	13.4	23 200 *	23 000 *	22 700	22 300 *	30.0



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Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
33.5m (110 Ft.) BOOM							
6.7	82.3	35.6	160 400 *				6.7
7.0	81.8	35.5	155 700 *				7.0
8.0	80.0	35.4	138 100 *	127 800 *	109 900 *		8.0
9.0	78.3	35.2	123 000 *	114 300 *	105 800 *	91 600 *	9.0
10.0	76.5	34.9	110 800 *	103 500	95 700	82 300 *	10.0
11.0	74.8	34.6	100 400	92 100	85 000	74 200 *	11.0
12.0	73.0	34.3	88 300	81 800	76 000	67 400 *	12.0
13.0	71.2	34.0	78 700	73 400	68 600	61 700 *	13.0
14.0	69.3	33.6	70 900	66 500	62 500	56 800 *	14.0
15.0	67.5	33.2	64 400	60 600	57 300	52 600 *	15.0
16.0	65.6	32.7	58 800	55 600	52 700	48 800 *	16.0
18.0	61.7	31.7	50 000	47 600	45 400	42 600 *	18.0
20.0	57.7	30.4	43 200	41 400	39 700	37 700 *	20.0
22.0	53.5	29.0	37 900	36 500	35 100	33 600 *	22.0
24.0	49.1	27.3	33 600	32 400	31 300	30 200 *	24.0
26.0	44.3	25.4	30 000	29 100	28 200	27 300	26.0
28.0	39.0	23.0	27 000	26 200	25 500	24 800	28.0
30.0	33.1	20.2	24 400	23 800	23 200	22 600	30.0
32.0	25.8	16.5	21 700	21 400	21 200	20 700	32.0
36.6m (120 Ft.) BOOM							
6.7	82.9	38.7	147 100 *				6.7
7.0	82.5	38.6	147 100 *				7.0
8.0	80.9	38.5	138 200 *	123 900 *	106 100 *		8.0
9.0	79.3	38.3	122 900 *	113 800 *	102 700 *	89 800 *	9.0
10.0	77.7	38.0	110 600 *	102 800	95 300	82 300 *	10.0
11.0	76.1	37.8	100 400	91 400	83 900	74 000 *	11.0
12.0	74.4	37.5	88 300	81 200	75 100	67 300 *	12.0
13.0	72.8	37.2	78 700	73 000	67 800	61 600 *	13.0
14.0	71.1	36.8	70 900	66 100	61 800	56 700 *	14.0
15.0	69.5	36.5	64 300	60 300	56 600	52 500 *	15.0
16.0	67.8	36.1	58 800	55 300	52 200	48 700 *	16.0
18.0	64.3	35.1	49 900	47 400	44 900	42 500 *	18.0
20.0	60.7	34.0	43 200	41 200	39 300	37 500	20.0
22.0	57.0	32.8	37 800	36 300	34 700	33 300	22.0
24.0	53.2	31.3	33 500	32 200	31 000	29 800	24.0
26.0	49.1	29.6	30 000	28 900	27 900	26 900	26.0
28.0	44.7	27.7	26 900	26 100	25 200	24 400	28.0
30.0	40.0	25.4	24 400	23 600	23 000	22 300	30.0
32.0	34.7	22.7	22 100	21 500	21 000	20 400	32.0
34.0	28.5	19.3	20 100	19 600	19 200	18 800	34.0
36.0	20.6	14.7	17 100 *	17 000 *	16 800 *	16 700 *	36.0

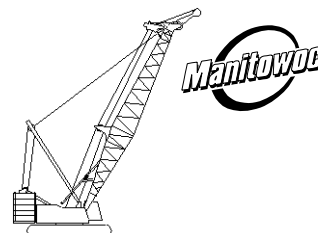


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Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
39.6m (130 Ft.) BOOM							
7.3	82.6	41.7	133 800 *				7.3
8.0	81.6	41.6	133 200 *	110 900 *			8.0
9.0	80.1	41.4	123 200 *	107 100 *	90 700 *		9.0
10.0	78.6	41.2	110 500 *	102 500	88 000 *	76 700 *	10.0
11.0	77.2	40.9	100 300	90 900	82 800	74 000 *	11.0
12.0	75.7	40.7	88 300	80 700	74 200	67 200 *	12.0
13.0	74.2	40.4	78 700	72 500	67 100	61 500 *	13.0
14.0	72.6	40.1	70 900	65 700	61 100	56 600 *	14.0
15.0	71.1	39.7	64 300	59 900	56 100	52 300 *	15.0
16.0	69.6	39.4	58 800	55 000	51 700	48 600	16.0
18.0	66.4	38.5	49 900	47 100	44 500	42 200	18.0
20.0	63.2	37.5	43 100	41 000	38 900	37 100	20.0
22.0	59.9	36.4	37 800	36 100	34 400	32 900	22.0
24.0	56.4	35.1	33 500	32 100	30 800	29 500	24.0
26.0	52.8	33.6	29 900	28 700	27 700	26 600	26.0
28.0	49.1	31.9	26 900	26 000	25 000	24 100	28.0
30.0	45.1	30.0	24 300	23 500	22 800	22 000	30.0
32.0	40.7	27.8	22 100	21 500	20 800	20 100	32.0
34.0	36.0	25.2	20 200	19 600	19 100	18 500	34.0
36.0	30.5	22.0	18 500	18 000	17 500	17 100	36.0
38.0	24.0	18.0	16 200	16 000	15 800	15 600	38.0
42.7m (140 Ft.) BOOM							
7.9	82.3	44.7	133 800 *				7.9
8.0	82.2	44.6	133 200 *				8.0
9.0	80.8	44.5	123 100 *	103 800 *			9.0
10.0	79.5	44.3	110 300 *	99 900	85 200 *	74 000 *	10.0
11.0	78.1	44.1	100 200	90 200	81 800	72 100 *	11.0
12.0	76.7	43.8	88 200	80 200	73 200	67 300 *	12.0
13.0	75.3	43.6	78 600	72 000	66 300	61 300	13.0
14.0	73.9	43.3	70 800	65 300	60 400	56 200	14.0
15.0	72.5	43.0	64 200	59 600	55 400	51 700	15.0
16.0	71.1	42.6	58 700	54 700	51 100	47 900	16.0
18.0	68.2	41.8	49 800	46 800	44 100	41 600	18.0
20.0	65.3	40.9	43 100	40 700	38 500	36 500	20.0
22.0	62.2	39.9	37 700	35 800	34 100	32 500	22.0
24.0	59.1	38.7	33 400	31 900	30 400	29 100	24.0
26.0	55.9	37.4	29 800	28 600	27 400	26 200	26.0
28.0	52.6	35.9	26 800	25 700	24 700	23 800	28.0
30.0	49.1	34.2	24 200	23 400	22 500	21 700	30.0
32.0	45.4	32.3	22 000	21 300	20 500	19 900	32.0
34.0	41.4	30.1	20 100	19 500	18 800	18 200	34.0
36.0	37.0	27.6	18 400	17 800	17 300	16 800	36.0
38.0	32.2	24.6	16 800	16 400	16 000	15 500	38.0
40.0	26.6	20.9	15 200 *	15 000 *	14 600	14 300	40.0
42.0	19.4	16.0	12 800 *	12 700 *	12 500 *	12 400 *	42.0



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45.7m (150 Ft.) BOOM							
7.9	82.8	47.7	120 400 *				7.9
8.0	82.7	47.7	120 100 *				8.0
9.0	81.4	47.6	116 600 *	92 400 *			9.0
10.0	80.2	47.4	110 600 *	89 600 *	75 100 *		10.0
11.0	78.9	47.2	99 900	86 900	73 200 *	63 200 *	11.0
12.0	77.6	47.0	88 200	79 800	71 200 *	61 600 *	12.0
13.0	76.3	46.7	78 500	71 500	65 500	59 800	13.0
14.0	75.0	46.4	70 600	64 800	59 700	55 200	14.0
15.0	73.7	46.2	64 100	59 100	54 800	50 900	15.0
16.0	72.4	45.8	58 500	54 300	50 500	47 100	16.0
18.0	69.7	45.1	49 600	46 400	43 500	40 900	18.0
20.0	67.0	44.3	42 900	40 400	38 100	35 900	20.0
22.0	64.3	43.3	37 500	35 500	33 700	31 900	22.0
24.0	61.4	42.3	33 200	31 600	30 000	28 600	24.0
26.0	58.5	41.1	29 600	28 200	27 000	25 800	26.0
28.0	55.5	39.7	26 600	25 500	24 400	23 400	28.0
30.0	52.3	38.2	24 100	23 100	22 200	21 300	30.0
32.0	49.1	36.5	21 900	21 000	20 200	19 500	32.0
34.0	45.6	34.6	19 900	19 200	18 500	17 900	34.0
36.0	41.9	32.5	18 200	17 600	17 000	16 400	36.0
38.0	37.9	30.0	16 700	16 200	15 700	15 200	38.0
40.0	33.6	27.2	15 300	14 900	14 500	14 000	40.0
42.0	28.6	23.7	13 900	13 600	13 300	13 000	42.0
44.0	22.6	19.4	11 900 *	11 800 *	11 600 *	11 500 *	44.0
48.8m (160 Ft.) BOOM							
8.5	82.5	50.7	107 000 *				8.5
9.0	82.0	50.7	107 000 *				9.0
10.0	80.8	50.5	106 600 *	85 800 *			10.0
11.0	79.6	50.3	99 700	83 300 *	70 100 *	59 800 *	11.0
12.0	78.4	50.1	88 100	79 000	68 200 *	59 300 *	12.0
13.0	77.2	49.9	78 400	71 000	64 900	57 700 *	13.0
14.0	76.0	49.6	70 500	64 400	59 000	54 300	14.0
15.0	74.8	49.3	64 000	58 700	54 100	50 100	15.0
16.0	73.5	49.0	58 400	53 900	49 900	46 400	16.0
18.0	71.1	48.4	49 500	46 100	43 100	40 300	18.0
20.0	68.5	47.6	42 800	40 100	37 700	35 400	20.0
22.0	66.0	46.7	37 400	35 300	33 300	31 500	22.0
24.0	63.4	45.7	33 100	31 300	29 700	28 200	24.0
26.0	60.7	44.6	29 500	28 000	26 700	25 400	26.0
28.0	57.9	43.4	26 500	25 200	24 100	23 000	28.0
30.0	55.1	42.1	23 900	22 900	21 900	21 000	30.0
32.0	52.1	40.5	21 700	20 800	20 000	19 100	32.0
34.0	49.1	38.8	19 800	19 000	18 300	17 600	34.0
36.0	45.8	37.0	18 100	17 400	16 800	16 100	36.0
38.0	42.4	34.8	16 600	16 000	15 400	14 900	38.0
40.0	38.7	32.4	15 200	14 700	14 200	13 800	40.0
42.0	34.7	29.7	14 000	13 600	13 100	12 700	42.0
44.0	30.2	26.4	12 800	12 500	12 100	11 800	44.0
46.0	25.0	22.5	11 100 *	10 900 *	10 800 *	10 600 *	46.0
48.0	18.5	17.3	9 300 *	9 200 *	9 000 *	9 000 *	48.0

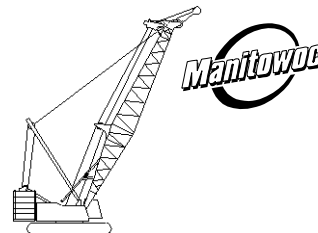


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999 SERIES 3

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
51.8m (170 Ft.) BOOM							
8.5	83.0	53.8	105 500 *				8.5
9.0	82.5	53.7	104 000 *				9.0
10.0	81.3	53.6	100 800 *	79 200 *			10.0
11.0	80.2	53.4	97 600	77 100 *	64 100 *		11.0
12.0	79.1	53.2	88 300	75 100 *	62 700 *	52 000 *	12.0
13.0	78.0	53.0	78 300	70 800	61 200 *	52 000 *	13.0
14.0	76.8	52.8	70 500	63 900	58 300	51 500 *	14.0
15.0	75.7	52.5	63 900	58 400	53 600	49 500	15.0
16.0	74.5	52.2	58 300	53 600	49 400	45 800	16.0
18.0	72.2	51.6	49 500	45 800	42 600	39 700	18.0
20.0	69.9	50.9	42 600	39 900	37 300	35 000	20.0
22.0	67.5	50.1	37 300	35 000	32 900	31 000	22.0
24.0	65.1	49.2	33 000	31 100	29 400	27 800	24.0
26.0	62.6	48.1	29 400	27 800	26 400	25 100	26.0
28.0	60.0	47.0	26 400	25 100	23 800	22 700	28.0
30.0	57.4	45.8	23 800	22 700	21 700	20 600	30.0
32.0	54.7	44.4	21 600	20 600	19 700	18 900	32.0
34.0	52.0	42.8	19 700	18 800	18 000	17 300	34.0
36.0	49.1	41.1	18 000	17 200	16 500	15 900	36.0
38.0	46.0	39.3	16 400	15 800	15 200	14 700	38.0
40.0	42.8	37.2	15 100	14 600	14 000	13 500	40.0
42.0	39.4	34.8	13 900	13 400	12 900	12 500	42.0
44.0	35.7	32.1	12 800	12 400	12 000	11 600	44.0
46.0	31.6	29.1	11 700	11 400	11 100	10 700	46.0
48.0	27.0	25.4	10 300 *	10 100 *	9 900 *	9 800 *	48.0
50.0	21.5	20.8	8 700 *	8 600 *	8 400 *	8 300 *	50.0



Liftcrane Boom Capacities

Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

999 SERIES 3

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
54.9m (180 Ft.) BOOM							
9.1	82.7	56.8	93 600 *				9.1
10.0	81.8	56.7	93 600 *				10.0
11.0	80.8	56.5	92 700 *	73 300 *	57 500 *		11.0
12.0	79.7	56.3	87 900	71 400 *	57 400 *		12.0
13.0	78.6	56.1	78 200	69 100	57 300 *	45 500 *	13.0
14.0	77.6	55.9	70 400	63 500	56 800 *	45 400 *	14.0
15.0	76.5	55.6	63 800	57 900	53 000	45 400 *	15.0
16.0	75.4	55.4	58 200	53 200	48 800	44 500	16.0
18.0	73.2	54.8	49 300	45 500	42 100	39 300	18.0
20.0	71.0	54.1	42 500	39 500	36 900	34 400	20.0
22.0	68.8	53.4	37 200	34 700	32 600	30 600	22.0
24.0	66.5	52.5	32 800	30 900	29 000	27 400	24.0
26.0	64.2	51.6	29 200	27 600	26 100	24 600	26.0
28.0	61.9	50.5	26 200	24 800	23 500	22 300	28.0
30.0	59.5	49.4	23 600	22 500	21 300	20 300	30.0
32.0	57.0	48.1	21 500	20 400	19 500	18 600	32.0
34.0	54.4	46.7	19 500	18 600	17 800	17 000	34.0
36.0	51.8	45.1	17 800	17 000	16 300	15 600	36.0
38.0	49.0	43.4	16 300	15 600	15 000	14 300	38.0
40.0	46.2	41.6	14 900	14 400	13 800	13 200	40.0
42.0	43.2	39.5	13 700	13 200	12 700	12 200	42.0
44.0	40.0	37.2	12 700	12 200	11 700	11 300	44.0
46.0	36.6	34.6	11 700	11 300	10 900	10 500	46.0
48.0	32.8	31.6	10 700	10 400	10 000	9 700	48.0
50.0	28.6	28.2	9 400 *	9 200 *	9 000	8 800	50.0
52.0	23.8	24.0	8 000 *	7 900 *	7 700 *	7 600 *	52.0

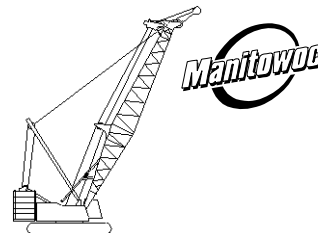


Liftcrane Boom Capacities

Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

999 SERIES 3

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
57.9m (190 Ft.) BOOM							
9.8	82.5	59.8	89 200 *				9.8
10.0	82.3	59.8	88 600 *				10.0
11.0	81.3	59.6	86 300 *	67 100 *			11.0
12.0	80.3	59.4	81 400 *	65 700 *	50 500 *		12.0
13.0	79.2	59.2	76 300 *	64 100 *	50 400 *	39 800 *	13.0
14.0	78.2	59.0	70 300	62 600 *	50 300 *	39 700 *	14.0
15.0	77.2	58.8	63 600	57 600	50 200 *	39 700 *	15.0
16.0	76.2	58.5	58 100	52 800	48 700	39 600 *	16.0
18.0	74.2	58.0	49 100	45 200	41 700	38 200	18.0
20.0	72.1	57.3	42 400	39 200	36 400	33 900	20.0
22.0	70.0	56.6	37 000	34 400	32 100	30 100	22.0
24.0	67.8	55.8	32 600	30 600	28 700	26 900	24.0
26.0	65.7	54.9	29 100	27 300	25 700	24 200	26.0
28.0	63.5	54.0	26 000	24 600	23 200	21 900	28.0
30.0	61.2	52.9	23 500	22 200	21 000	19 900	30.0
32.0	58.9	51.7	21 200	20 100	19 100	18 200	32.0
34.0	56.6	50.4	19 300	18 400	17 500	16 600	34.0
36.0	54.1	49.0	17 600	16 800	16 000	15 200	36.0
38.0	51.6	47.4	16 100	15 400	14 700	14 000	38.0
40.0	49.0	45.7	14 800	14 100	13 500	12 900	40.0
42.0	46.3	43.9	13 500	13 000	12 400	11 900	42.0
44.0	43.5	41.8	12 400	11 900	11 500	11 000	44.0
46.0	40.5	39.6	11 500	11 000	10 600	10 100	46.0
48.0	37.3	37.0	10 500	10 200	9 800	9 400	48.0
50.0	33.9	34.2	9 700	9 400	9 000	8 700	50.0
52.0	30.0	30.9	8 500 *	8 300 *	8 100 *	7 900 *	52.0
54.0	25.7	27.0	7 300 *	7 100 *	7 000 *	6 800 *	54.0
56.0	20.5	22.1	6 000 *	5 900 *	5 800 *	5 700 *	56.0



Liftcrane Boom Capacities

Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

999 SERIES 3

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
61.0m (200 Ft.) BOOM							
9.8	82.9	62.9	80 200 *				9.8
10.0	82.7	62.8	80 200 *				10.0
11.0	81.7	62.7	80 200 *	59 900 *			11.0
12.0	80.7	62.5	78 800 *	59 700 *			12.0
13.0	79.8	62.3	74 100 *	59 500 *	44 700 *	35 100 *	13.0
14.0	78.8	62.1	69 900 *	59 100 *	44 600 *	35 000 *	14.0
15.0	77.9	61.9	63 500	57 000	44 500 *	34 900 *	15.0
16.0	76.9	61.7	57 900	52 800	44 400 *	34 900 *	16.0
18.0	75.0	61.2	49 000	44 800	41 400	34 700 *	18.0
20.0	73.0	60.6	42 200	38 900	36 000	33 500	20.0
22.0	71.0	59.9	36 800	34 200	31 800	29 600	22.0
24.0	69.0	59.1	32 500	30 300	28 300	26 500	24.0
26.0	67.0	58.3	28 900	27 100	25 400	23 800	26.0
28.0	64.9	57.4	25 900	24 300	22 900	21 600	28.0
30.0	62.8	56.4	23 300	22 000	20 700	19 600	30.0
32.0	60.7	55.3	21 000	19 900	18 900	17 800	32.0
34.0	58.5	54.1	19 100	18 100	17 200	16 300	34.0
36.0	56.2	52.7	17 400	16 600	15 700	14 900	36.0
38.0	53.9	51.3	15 900	15 200	14 400	13 700	38.0
40.0	51.5	49.7	14 600	13 900	13 300	12 600	40.0
42.0	49.0	48.0	13 400	12 800	12 200	11 600	42.0
44.0	46.5	46.2	12 300	11 700	11 200	10 700	44.0
46.0	43.8	44.2	11 300	10 800	10 400	9 900	46.0
48.0	41.0	41.9	10 400	9 900	9 500	9 100	48.0
50.0	38.0	39.4	9 600	9 200	8 800	8 400	50.0
52.0	34.8	36.6	8 800	8 400	8 100	7 800	52.0
54.0	31.2	33.5	7 700 *	7 500 *	7 300 *	7 100	54.0
56.0	27.3	29.8	6 500 *	6 400 *	6 200 *	6 000 *	56.0
58.0	22.8	25.4	5 400 *	5 300 *	5 200 *	5 000 *	58.0

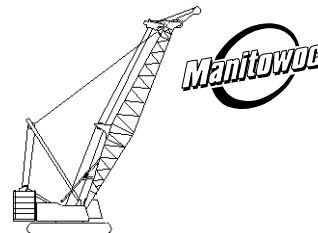


Liftcrane Boom Capacities

Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

999 SERIES 3

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
64.0m (210 Ft.) BOOM							
10.4	82.7	65.9	77 700 *				10.4
11.0	82.1	65.8	76 700 *				11.0
12.0	81.2	65.6	74 900 *	53 300 *			12.0
13.0	80.3	65.4	72 100 *	53 200 *	39 700 *		13.0
14.0	79.4	65.2	67 900 *	53 000 *	39 500 *	30 800 *	14.0
15.0	78.5	65.0	63 600	52 800 *	39 400 *	30 800 *	15.0
16.0	77.5	64.8	57 800	51 500	39 300 *	30 700 *	16.0
18.0	75.7	64.3	48 900	44 700	39 100 *	30 600 *	18.0
20.0	73.8	63.7	42 100	38 600	35 600	30 400 *	20.0
22.0	72.0	63.1	36 700	33 900	31 400	29 500	22.0
24.0	70.1	62.4	32 300	30 000	28 000	26 100	24.0
26.0	68.1	61.6	28 700	26 800	25 100	23 500	26.0
28.0	66.2	60.7	25 700	24 100	22 600	21 200	28.0
30.0	64.2	59.8	23 100	21 800	20 500	19 200	30.0
32.0	62.2	58.8	20 900	19 700	18 600	17 600	32.0
34.0	60.1	57.6	19 000	17 900	16 900	16 000	34.0
36.0	58.0	56.4	17 300	16 400	15 500	14 700	36.0
38.0	55.9	55.1	15 800	14 900	14 200	13 400	38.0
40.0	53.7	53.6	14 400	13 700	13 000	12 400	40.0
42.0	51.4	52.0	13 200	12 600	11 900	11 400	42.0
44.0	49.0	50.3	12 100	11 600	11 000	10 500	44.0
46.0	46.6	48.5	11 100	10 600	10 100	9 600	46.0
48.0	44.1	46.5	10 200	9 800	9 300	8 900	48.0
50.0	41.4	44.3	9 400	9 000	8 600	8 200	50.0
52.0	38.6	41.8	8 600	8 300	7 900	7 600	52.0
54.0	35.6	39.1	7 900	7 500	7 300	7 000	54.0
56.0	32.3	36.1	6 800 *	6 600 *	6 500 *	6 300	56.0
58.0	28.7	32.6	5 800 *	5 600 *	5 500 *	5 300 *	58.0
60.0	24.6	28.5	4 800 *	4 700 *	4 500 *	4 400 *	60.0
62.0	19.7	23.4	3 800 *	3 600 *	3 600 *	3 400 *	62.0



Liftcrane Boom Capacities

Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

999 SERIES 3

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
67.1m (220 Ft.) BOOM							
10.4	83.0	68.9	70 300 *				10.4
11.0	82.5	68.8	70 100 *				11.0
12.0	81.6	68.7	69 800 *	47 900 *			12.0
13.0	80.7	68.5	69 100 *	47 800 *	35 400 *		13.0
14.0	79.9	68.3	66 000 *	47 600 *	35 200 *		14.0
15.0	79.0	68.2	62 400 *	47 400 *	35 200 *	27 200 *	15.0
16.0	78.1	67.9	58 300	47 300 *	35 100 *	27 100 *	16.0
18.0	76.4	67.5	48 700	44 200	34 900 *	27 000 *	18.0
20.0	74.6	66.9	41 900	38 300	34 500	26 900 *	20.0
22.0	72.8	66.3	36 500	33 600	31 200	26 700 *	22.0
24.0	71.0	65.6	32 200	29 800	27 600	25 600	24.0
26.0	69.2	64.9	28 600	26 600	24 700	23 100	26.0
28.0	67.3	64.1	25 500	23 800	22 300	20 800	28.0
30.0	65.5	63.2	23 000	21 500	20 100	18 900	30.0
32.0	63.6	62.2	20 700	19 500	18 300	17 200	32.0
34.0	61.6	61.1	18 800	17 700	16 700	15 700	34.0
36.0	59.6	60.0	17 100	16 100	15 200	14 400	36.0
38.0	57.6	58.7	15 600	14 700	13 900	13 200	38.0
40.0	55.6	57.4	14 300	13 500	12 800	12 000	40.0
42.0	53.5	55.9	13 000	12 400	11 700	11 100	42.0
44.0	51.3	54.4	11 900	11 300	10 700	10 200	44.0
46.0	49.0	52.6	10 900	10 400	9 900	9 400	46.0
48.0	46.7	50.8	10 000	9 600	9 100	8 600	48.0
50.0	44.3	48.8	9 200	8 800	8 400	7 900	50.0
52.0	41.8	46.6	8 500	8 100	7 600	7 300	52.0
54.0	39.1	44.2	7 800	7 400	7 000	6 700	54.0
56.0	36.3	41.6	7 000	6 700	6 400	6 100	56.0
58.0	33.2	38.6	6 000 *	5 800 *	5 600 *	5 400 *	58.0
60.0	29.9	35.3	5 100 *	4 900 *	4 700 *	4 600 *	60.0
62.0	26.2	31.4	4 100 *	4 000 *	3 800 *	3 700 *	62.0
64.0	21.9	26.8	3 200 *	3 100 *	3 000 *	2 900 *	64.0

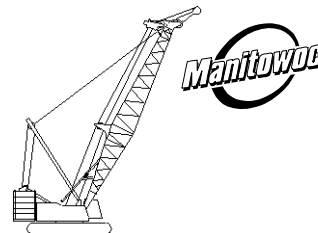


Liftcrane Boom Capacities

Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

999 SERIES 3

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
70.1m (230 Ft.) BOOM							
11.0	82.8	71.9	63 100 *				11.0
12.0	82.0	71.8	62 800 *				12.0
13.0	81.1	71.6	62 500 *	42 700 *			13.0
14.0	80.3	71.4	62 100 *	42 500 *	31 200 *		14.0
15.0	79.5	71.3	60 700 *	42 400 *	31 100 *	23 800 *	15.0
16.0	78.6	71.1	57 400	42 200 *	31 000 *	23 800 *	16.0
18.0	77.0	70.6	48 600	41 900 *	30 800 *	23 600 *	18.0
20.0	75.3	70.1	41 700	38 000	30 600 *	23 500 *	20.0
22.0	73.6	69.5	36 300	33 300	30 000	23 400 *	22.0
24.0	71.9	68.9	31 900	29 500	27 400	23 200 *	24.0
26.0	70.1	68.2	28 400	26 300	24 400	22 700	26.0
28.0	68.4	67.4	25 300	23 500	21 900	20 400	28.0
30.0	66.6	66.5	22 700	21 200	19 800	18 500	30.0
32.0	64.8	65.6	20 500	19 200	18 000	16 800	32.0
34.0	63.0	64.6	18 600	17 400	16 400	15 300	34.0
36.0	61.1	63.5	16 900	15 900	14 900	14 000	36.0
38.0	59.2	62.3	15 400	14 500	13 600	12 800	38.0
40.0	57.3	61.1	14 000	13 200	12 400	11 700	40.0
42.0	55.3	59.7	12 800	12 100	11 400	10 700	42.0
44.0	53.3	58.2	11 700	11 100	10 500	9 900	44.0
46.0	51.2	56.7	10 700	10 100	9 600	9 000	46.0
48.0	49.0	54.9	9 800	9 300	8 800	8 300	48.0
50.0	46.8	53.1	9 000	8 500	8 000	7 600	50.0
52.0	44.5	51.1	8 200	7 800	7 400	7 000	52.0
54.0	42.1	48.9	7 500	7 100	6 700	6 400	54.0
56.0	39.6	46.6	6 900	6 500	6 200	5 900	56.0
58.0	36.9	44.0	6 100 *	5 800 *	5 600 *	5 300	58.0
60.0	34.0	41.1	5 100 *	4 900 *	4 700 *	4 500 *	60.0
62.0	30.9	37.9	4 200 *	4 100 *	3 900 *	3 800 *	62.0
64.0	27.5	34.3	3 400 *	3 300 *	3 100 *	3 000 *	64.0
66.0	23.7	30.0	2 600 *	2 400 *	2 300 *	2 200 *	66.0



Liftcrane Boom Capacities

Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

999 SERIES 3

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
73.2m (240 Ft.) BOOM							
11.6	82.6	74.9	57 200 *				11.6
12.0	82.3	74.9	57 100 *				12.0
13.0	81.5	74.7	56 800 *	38 500 *			13.0
14.0	80.7	74.5	56 500 *	38 300 *			14.0
15.0	79.9	74.4	56 200 *	38 200 *	27 800 *		15.0
16.0	79.1	74.2	55 200	38 000 *	27 700 *	21 000 *	16.0
18.0	77.5	73.7	48 800	37 700 *	27 500 *	20 900 *	18.0
20.0	75.9	73.2	41 600	37 200	27 300 *	20 800 *	20.0
22.0	74.3	72.7	36 100	33 100	27 100 *	20 600 *	22.0
24.0	72.6	72.1	31 800	29 200	26 500	20 500 *	24.0
26.0	71.0	71.4	28 100	26 000	24 100	20 400 *	26.0
28.0	69.3	70.7	25 100	23 300	21 600	20 000	28.0
30.0	67.6	69.8	22 600	21 000	19 500	18 200	30.0
32.0	65.9	69.0	20 300	19 000	17 700	16 500	32.0
34.0	64.2	68.0	18 400	17 200	16 000	15 000	34.0
36.0	62.4	67.0	16 700	15 600	14 600	13 700	36.0
38.0	60.6	65.9	15 200	14 200	13 300	12 500	38.0
40.0	58.8	64.7	13 800	13 000	12 200	11 500	40.0
42.0	56.9	63.4	12 600	11 900	11 100	10 500	42.0
44.0	55.0	62.0	11 500	10 800	10 200	9 600	44.0
46.0	53.1	60.5	10 500	9 900	9 300	8 800	46.0
48.0	51.1	59.0	9 600	9 100	8 500	8 000	48.0
50.0	49.0	57.2	8 800	8 300	7 800	7 300	50.0
52.0	46.9	55.4	8 000	7 600	7 100	6 700	52.0
54.0	44.7	53.4	7 300	6 900	6 500	6 100	54.0
56.0	42.4	51.3	6 700	6 300	5 900	5 600	56.0
58.0	40.0	49.0	6 000	5 700	5 400	5 100	58.0
60.0	37.5	46.4	5 200 *	5 000 *	4 700 *	4 500	60.0
62.0	34.8	43.6	4 400 *	4 100 *	3 900 *	3 700 *	62.0
64.0	31.9	40.5	3 500 *	3 400 *	3 200 *	3 000 *	64.0
66.0	28.7	37.0	2 800 *	2 600 *	2 500 *	2 300 *	66.0

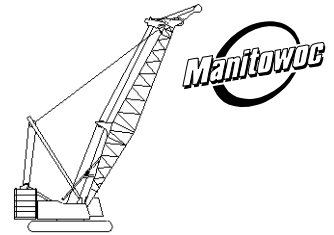


Liftcrane Boom Capacities

Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

999 SERIES 3

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
76.2m (250 Ft.) BOOM							
11.6	82.9	78.0	51 900 *				11.6
12.0	82.6	77.9	51 800 *				12.0
13.0	81.9	77.8	51 500 *	34 800 *			13.0
14.0	81.1	77.6	51 200 *	34 700 *			14.0
15.0	80.3	77.5	50 900 *	34 500 *	25 000 *		15.0
16.0	79.6	77.3	50 600 *	34 400 *	24 900 *		16.0
18.0	78.0	76.9	48 200	34 100 *	24 700 *	18 600 *	18.0
20.0	76.5	76.4	41 700	33 700 *	24 600 *	18 500 *	20.0
22.0	74.9	75.9	36 300	32 800	24 300 *	18 400 *	22.0
24.0	73.4	75.3	31 900	29 400	24 200 *	18 300 *	24.0
26.0	71.8	74.6	28 300	26 100	23 900	18 100 *	26.0
28.0	70.2	73.9	25 300	23 400	21 600	18 000 *	28.0
30.0	68.6	73.1	22 700	21 100	19 500	17 800	30.0
32.0	66.9	72.3	20 500	19 000	17 700	16 500	32.0
34.0	65.3	71.4	18 600	17 300	16 100	15 000	34.0
36.0	63.6	70.4	16 800	15 700	14 700	13 700	36.0
38.0	61.9	69.4	15 300	14 300	13 400	12 600	38.0
40.0	60.2	68.2	14 000	13 100	12 300	11 500	40.0
42.0	58.4	67.0	12 800	12 000	11 200	10 500	42.0
44.0	56.6	65.7	11 700	11 000	10 300	9 700	44.0
46.0	54.8	64.3	10 700	10 000	9 400	8 900	46.0
48.0	52.9	62.8	9 800	9 200	8 600	8 100	48.0
50.0	51.0	61.3	8 900	8 400	7 900	7 400	50.0
52.0	49.0	59.5	8 200	7 700	7 200	6 800	52.0
54.0	47.0	57.7	7 500	7 000	6 600	6 200	54.0
56.0	44.9	55.7	6 800	6 400	6 100	5 700	56.0
58.0	42.7	53.6	6 200	5 900	5 500	5 100	58.0
60.0	40.4	51.3	5 600	5 300	5 000	4 700	60.0
62.0	38.0	48.8	4 900 *	4 600 *	4 400	4 200	62.0
64.0	35.4	46.1	4 100 *	3 900 *	3 700 *	3 400 *	64.0
66.0	32.7	43.1	3 300 *	3 100 *	3 000 *	2 800 *	66.0
68.0	29.8	39.7	2 600 *	2 400 *	2 300 *	2 100 *	68.0
70.0	26.5	35.9	1 800 *				70.0



Liftcrane Boom Capacities

Boom No. 82 or 22EL
99 610 kg Crane Counterweight
36 290 kg Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

999 SERIES 3

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms
79.2m (260 Ft.) BOOM			
12.2	82.8	81.0	47 300 *
13.0	82.2	80.9	47 000 *
14.0	81.4	80.7	46 800 *
15.0	80.7	80.6	46 500 *
16.0	80.0	80.4	46 200 *
18.0	78.5	80.0	45 500 *
20.0	77.0	79.5	41 600
22.0	75.5	79.0	36 100
24.0	74.0	78.5	31 800
26.0	72.5	77.8	28 100
28.0	71.0	77.2	25 100
30.0	69.4	76.4	22 500
32.0	67.9	75.6	20 300
34.0	66.3	74.8	18 300
36.0	64.7	73.8	16 600
38.0	63.1	72.8	15 100
40.0	61.5	71.7	13 800
42.0	59.8	70.6	12 600
44.0	58.1	69.4	11 500
46.0	56.4	68.1	10 500
48.0	54.6	66.7	9 600
50.0	52.8	65.2	8 800
52.0	50.9	63.6	8 000
54.0	49.0	61.8	7 300
56.0	47.1	60.0	6 600
58.0	45.0	58.1	6 000
60.0	42.9	56.0	5 500
62.0	40.8	53.7	4 900
64.0	38.5	51.2	4 100 *
66.0	36.0	48.5	3 300 *
68.0	33.5	45.6	2 600 *
70.0	30.7	42.4	1 900 *