

Liftcrane Boom Capacities

777 SERIES 1

Boom No. 78
47 630 kg Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

LIFTING CAPACITIES: Lifting capacities are for a crawler machine when operating on a barge. Machine shall be positively secured to prevent shifting. Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

Upper boom point capacity for liftcrane service with single part whip line 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.

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 and machine list not to

exceed degrees noted. Refer to boom rigging **No. 178288** and Wire Rope Specification chart **No. 7940-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 7 544 mm crawlers, 965 mm or 1 219 mm treads, two 305 mm boom hoist cylinders, 7 925 mm mast, four 32 mm boom pendants, and 47 630 kg counterweight.

Upper Boom Point Deduct

Deduct 450 kg from boom capacities when upper boom point is attached.

Auxiliary Drum Deduct

Deduct 770 kg from boom capacities when boom butt is equipped with auxiliary drum.

Multi-Part Rope Guard Deduct

Deduct 230 kg from boom capacities when lower boom point is equipped with multi-part rope guard (No. A02744).

Wire Rope Guide Deduct (For Third Line)

Deduct 230 kg from boom capacities when boom top wire rope guide (No. 192312) for third line is attached.

Maximum Boom Length Lifted Unassisted

List	Over Front of Blocked Crawlers	Over Rear of Blocked Crawlers	Over Side of Crawlers
	Boom Length	Boom Length	Boom Length
0 Degree	64.0m	(a) 64.0m	(a) 57.9m
1 Degree	64.0m	(a) 64.0m	(a) 57.9m
2 Degree	64.0m	(a) 64.0m	(a) 57.9m
3 Degree	64.0m	(a) 64.0m	(a) 57.9m
Load block, hook and weight ball on barge deck at start. (a) When multi-part rope guard (No. A02744) is attached to lower boom point, 64.0m boom cannot be lifted over rear of blocked crawlers or 57.9m boom cannot be lifted over side of crawlers. Jib is not to be used on crawler machine while operating on a barge.			

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18.3m (60 Ft.) BOOM							
4.0	82.4	20.4	153 900 *				4.0
4.5	80.7	20.3	136 600 *	126 100 *			4.5
5.0	79.1	20.2	123 700 *	114 700 *	106 700 *	92 100 *	5.0
5.5	77.5	20.1	112 900 *	105 200 *	98 300 *	83 800 *	5.5
6.0	75.9	19.9	103 700 *	97 100 *	89 300	76 400 *	6.0
7.0	72.6	19.6	84 200	76 800	70 700	64 800	7.0
8.0	69.2	19.2	67 200	62 500	58 400	54 700	8.0
9.0	65.8	18.8	55 800	52 500	49 500	46 800	9.0
10.0	62.3	18.3	47 600	45 100	42 800	40 700	10.0
11.0	58.6	17.7	41 300	39 400	37 600	35 900	11.0
12.0	54.8	17.0	36 300	34 900	33 500	32 100	12.0
14.0	46.5	15.2	29 000	28 100	27 100	26 200	14.0
16.0	36.8	12.9	23 900	23 200	22 600	22 000	16.0
18.0	23.8	9.2	20 000	19 600	19 200	18 800	18.0
21.3m (70 Ft.) BOOM							
4.3	82.7	23.4	140 500 *				4.3
4.5	82.0	23.4	136 000 *				4.5
5.0	80.7	23.3	123 700 *	113 800 *	91 300 *		5.0
5.5	79.3	23.2	112 900 *	104 200 *	91 300 *	69 200 *	5.5
6.0	77.9	23.1	103 700 *	96 200 *	87 100	69 200 *	6.0
7.0	75.2	22.8	84 700	76 200	69 500	64 700	7.0
8.0	72.3	22.5	67 500	62 200	57 500	53 400	8.0
9.0	69.5	22.1	56 100	52 300	48 900	45 800	9.0
10.0	66.6	21.7	47 800	45 000	42 300	40 000	10.0
11.0	63.6	21.2	41 500	39 300	37 200	35 400	11.0
12.0	60.5	20.6	36 600	34 800	33 200	31 600	12.0
14.0	54.0	19.3	29 300	28 100	26 900	25 900	14.0
16.0	46.9	17.6	24 100	23 300	22 500	21 700	16.0
18.0	38.8	15.3	20 300	19 700	19 100	18 600	18.0
20.0	28.8	12.2	17 300	16 900	16 500	16 100	20.0
24.4m (80 Ft.) BOOM							
4.6	82.9	26.4	124 900 *				4.6
5.0	81.9	26.4	119 900 *				5.0
5.5	80.7	26.3	112 800 *	100 000 *	88 500 *		5.5
6.0	79.5	26.2	103 600 *	95 300 *	84 700	67 400 *	6.0
7.0	77.1	26.0	85 000	75 500	68 100	62 800	7.0
8.0	74.6	25.7	67 800	61 700	56 600	52 100	8.0
9.0	72.2	25.4	56 300	52 000	48 200	44 800	9.0
10.0	69.6	25.0	48 000	44 700	41 800	39 200	10.0
11.0	67.1	24.6	41 700	39 100	36 800	34 700	11.0
12.0	64.5	24.1	36 700	34 700	32 800	31 100	12.0
14.0	59.1	23.0	29 400	28 000	26 700	25 500	14.0
16.0	53.4	21.6	24 200	23 200	22 300	21 400	16.0
18.0	47.2	19.9	20 400	19 700	19 000	18 300	18.0
20.0	40.2	17.7	17 400	16 900	16 400	15 900	20.0
22.0	32.0	14.8	15 000	14 700	14 300	13 900	22.0
24.0	21.0	10.6	13 100	12 800	12 500	12 300	24.0

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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
27.4m (90 Ft.) BOOM							
4.9	83.0	29.5	116 400 *				4.9
5.0	82.8	29.5	115 100 *				5.0
5.5	81.7	29.4	110 100 *	94 500 *			5.5
6.0	80.6	29.3	103 700 *	91 100 *			6.0
7.0	78.5	29.1	85 100	74 800	66 800	60 300	7.0
8.0	76.4	28.9	67 800	61 100	55 500	50 800	8.0
9.0	74.2	28.6	56 300	51 500	47 400	43 800	9.0
10.0	72.0	28.3	48 000	44 400	41 200	38 400	10.0
11.0	69.8	27.9	41 700	38 900	36 300	34 000	11.0
12.0	67.5	27.5	36 700	34 400	32 400	30 500	12.0
14.0	62.9	26.5	29 400	27 800	26 400	25 100	14.0
16.0	58.0	25.3	24 200	23 100	22 100	21 100	16.0
18.0	52.9	23.9	20 400	19 600	18 800	18 100	18.0
20.0	47.4	22.2	17 500	16 900	16 200	15 700	20.0
22.0	41.3	20.0	15 100	14 600	14 200	13 700	22.0
24.0	34.3	17.4	13 200	12 800	12 500	12 100	24.0
26.0	25.7	13.8	11 600	11 300	11 000	10 800	26.0
30.5m (100 Ft.) BOOM							
5.5	82.6	32.5	100 400 *				5.5
6.0	81.6	32.4	96 300 *	81 900 *			6.0
7.0	79.7	32.2	86 000	74 500	65 100		7.0
8.0	77.8	32.0	67 800	60 600	54 600	49 500	8.0
9.0	75.8	31.7	56 400	51 100	46 600	42 800	9.0
10.0	73.9	31.5	48 000	44 100	40 600	37 500	10.0
11.0	71.9	31.1	41 700	38 600	35 800	33 400	11.0
12.0	69.9	30.8	36 700	34 200	31 900	29 900	12.0
14.0	65.8	29.9	29 400	27 600	26 100	24 600	14.0
16.0	61.6	28.9	24 200	22 900	21 800	20 700	16.0
18.0	57.2	27.7	20 400	19 500	18 600	17 800	18.0
20.0	52.5	26.2	17 400	16 700	16 100	15 400	20.0
22.0	47.5	24.5	15 100	14 600	14 000	13 500	22.0
24.0	42.1	22.4	13 200	12 700	12 300	11 900	24.0
26.0	36.0	19.8	11 600	11 200	10 900	10 600	26.0
28.0	28.8	16.6	10 200	9 900	9 700	9 400	28.0
30.0	19.3	11.9	9 000	8 800	8 600	8 400	30.0

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33.5m (110 Ft.) BOOM							
5.8	82.7	35.5	95 700 *				5.8
6.0	82.4	35.5	94 000 *				6.0
7.0	80.6	35.3	84 500	72 300			7.0
8.0	78.9	35.1	67 900	60 000	53 600	48 300	8.0
9.0	77.1	34.9	56 400	50 700	45 900	41 800	9.0
10.0	75.4	34.6	48 100	43 700	40 000	36 800	10.0
11.0	73.6	34.3	41 700	38 300	35 400	32 700	11.0
12.0	71.8	34.0	36 700	34 000	31 600	29 400	12.0
14.0	68.1	33.2	29 400	27 500	25 800	24 300	14.0
16.0	64.4	32.3	24 200	22 800	21 600	20 400	16.0
18.0	60.5	31.3	20 400	19 300	18 400	17 500	18.0
20.0	56.4	30.0	17 400	16 600	15 900	15 200	20.0
22.0	52.2	28.5	15 100	14 500	13 900	13 300	22.0
24.0	47.7	26.8	13 200	12 700	12 200	11 700	24.0
26.0	42.8	24.7	11 600	11 200	10 800	10 400	26.0
28.0	37.4	22.3	10 200	9 900	9 600	9 300	28.0
30.0	31.2	19.3	9 100	8 800	8 600	8 300	30.0
32.0	23.5	15.3	8 100	7 800	7 700	7 500	32.0
36.6m (120 Ft.) BOOM							
6.1	82.9	38.5	87 100 *				6.1
7.0	81.4	38.4	81 200	68 400 *			7.0
8.0	79.8	38.2	68 000	59 500	52 800	47 200	8.0
9.0	78.2	38.0	56 500	50 400	45 200	40 900	9.0
10.0	76.6	37.8	48 100	43 400	39 500	36 100	10.0
11.0	75.0	37.5	41 800	38 100	34 900	32 100	11.0
12.0	73.4	37.2	36 700	33 800	31 200	28 900	12.0
14.0	70.1	36.5	29 300	27 300	25 500	23 900	14.0
16.0	66.7	35.7	24 200	22 700	21 400	20 100	16.0
18.0	63.2	34.7	20 400	19 300	18 200	17 300	18.0
20.0	59.6	33.6	17 400	16 500	15 800	15 000	20.0
22.0	55.8	32.3	15 100	14 400	13 700	13 100	22.0
24.0	51.9	30.8	13 200	12 600	12 100	11 600	24.0
26.0	47.8	29.1	11 600	11 100	10 700	10 300	26.0
28.0	43.3	27.1	10 300	9 900	9 500	9 200	28.0
30.0	38.5	24.7	9 100	8 800	8 500	8 200	30.0
32.0	33.0	21.8	8 100	7 800	7 600	7 300	32.0
34.0	26.6	18.2	7 200	7 000	6 800	6 600	34.0

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39.6m (130 Ft.) BOOM							
6.7	82.5	41.5	79 800 *				6.7
7.0	82.1	41.5	78 100 *				7.0
8.0	80.6	41.3		59 100	51 800		8.0
9.0	79.1	41.1	56 500	49 900	44 500	40 100	9.0
10.0	77.7	40.9	48 100	43 100	38 900	35 400	10.0
11.0	76.2	40.7	41 800	37 800	34 400	31 500	11.0
12.0	74.7	40.4	36 700	33 500	30 800	28 400	12.0
14.0	71.6	39.8	29 300	27 100	25 200	23 400	14.0
16.0	68.6	39.0	24 200	22 500	21 100	19 800	16.0
18.0	65.4	38.1	20 300	19 100	18 000	17 000	18.0
20.0	62.2	37.1	17 400	16 400	15 500	14 700	20.0
22.0	58.8	36.0	15 000	14 300	13 600	12 900	22.0
24.0	55.3	34.6	13 100	12 500	11 900	11 400	24.0
26.0	51.7	33.1	11 500	11 000	10 600	10 100	26.0
28.0	47.9	31.4	10 200	9 800	9 400	9 000	28.0
30.0	43.8	29.4	9 000	8 700	8 400	8 000	30.0
32.0	39.4	27.1	8 100	7 800	7 500	7 200	32.0
34.0	34.5	24.3	7 200	6 900	6 700	6 500	34.0
36.0	28.9	21.0	6 400	6 200	6 000	5 800	36.0
38.0	21.9	16.7	5 700	5 500	5 400	5 200	38.0
42.7m (140 Ft.) BOOM							
7.3	82.2	44.5	71 600 *				7.3
8.0	81.3	44.4	68 100	56 500			8.0
9.0	79.9	44.2	56 500	49 700	43 800		9.0
10.0	78.6	44.0	48 100	42 700	38 300	34 600	10.0
11.0	77.2	43.8	41 700	37 500	33 900	30 900	11.0
12.0	75.8	43.6	36 700	33 300	30 300	27 800	12.0
14.0	73.0	43.0	29 300	26 900	24 800	23 000	14.0
16.0	70.2	42.3	24 000	22 300	20 800	19 400	16.0
18.0	67.3	41.5	20 200	18 900	17 700	16 600	18.0
20.0	64.3	40.6	17 300	16 200	15 300	14 400	20.0
22.0	61.3	39.5	14 900	14 100	13 300	12 600	22.0
24.0	58.1	38.3	13 000	12 300	11 700	11 100	24.0
26.0	54.9	36.9	11 400	10 900	10 300	9 800	26.0
28.0	51.5	35.4	10 100	9 600	9 200	8 700	28.0
30.0	48.0	33.7	8 900	8 500	8 200	7 800	30.0
32.0	44.2	31.7	7 900	7 600	7 300	7 000	32.0
34.0	40.1	29.4	7 100	6 800	6 500	6 200	34.0
36.0	35.7	26.8	6 300	6 000	5 800	5 600	36.0
38.0	30.7	23.7	5 600	5 400	5 200	5 000	38.0
40.0	24.8	19.8	5 000	4 800	4 700	4 500	40.0

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45.7m (150 Ft.) BOOM							
7.3	82.8	47.6	69 100 *				7.3
8.0	81.9	47.5	65 800	54 600			8.0
9.0	80.6	47.3	56 700	49 300			9.0
10.0	79.3	47.2	48 000	42 400	37 700	33 900	10.0
11.0	78.1	46.9	41 600	37 200	33 400	30 300	11.0
12.0	76.8	46.7	36 600	33 000	29 900	27 200	12.0
14.0	74.2	46.2	29 200	26 700	24 500	22 500	14.0
16.0	71.5	45.5	23 900	22 100	20 500	19 000	16.0
18.0	68.9	44.8	20 100	18 700	17 500	16 300	18.0
20.0	66.1	43.9	17 200	16 100	15 100	14 100	20.0
22.0	63.4	43.0	14 800	13 900	13 100	12 400	22.0
24.0	60.5	41.9	12 900	12 200	11 500	10 900	24.0
26.0	57.6	40.6	11 300	10 700	10 100	9 600	26.0
28.0	54.5	39.3	10 000	9 500	9 000	8 500	28.0
30.0	51.3	37.7	8 800	8 400	8 000	7 600	30.0
32.0	48.0	36.0	7 800	7 500	7 100	6 800	32.0
34.0	44.5	34.0	7 000	6 700	6 400	6 000	34.0
36.0	40.8	31.8	6 200	5 900	5 700	5 400	36.0
38.0	36.7	29.3	5 500	5 300	5 100	4 800	38.0
40.0	32.2	26.3	4 900	4 700	4 500	4 300	40.0
42.0	27.1	22.7	4 300	4 200	4 000	3 800	42.0
44.0	20.7	18.0	3 800	3 700	3 600	3 400	44.0
48.8m (160 Ft.) BOOM							
7.9	82.5	50.6	63 000 *				7.9
8.0	82.4	50.6	62 700 *				8.0
9.0	81.2	50.4	56 600	48 100			9.0
10.0	80.0	50.3	48 000	42 000	37 200		10.0
11.0	78.8	50.1	41 600	36 900	33 000	29 700	11.0
12.0	77.6	49.8	36 500	32 700	29 500	26 700	12.0
14.0	75.2	49.3	29 100	26 500	24 200	22 100	14.0
16.0	72.7	48.7	23 900	22 000	20 200	18 700	16.0
18.0	70.3	48.0	20 100	18 600	17 200	16 000	18.0
20.0	67.7	47.3	17 100	15 900	14 900	13 900	20.0
22.0	65.1	46.4	14 700	13 800	13 000	12 100	22.0
24.0	62.5	45.4	12 800	12 000	11 300	10 700	24.0
26.0	59.8	44.2	11 300	10 600	10 000	9 400	26.0
28.0	57.0	43.0	9 900	9 400	8 800	8 400	28.0
30.0	54.2	41.6	8 800	8 300	7 900	7 500	30.0
32.0	51.2	40.0	7 800	7 400	7 000	6 600	32.0
34.0	48.1	38.3	6 900	6 600	6 200	5 900	34.0
36.0	44.8	36.3	6 100	5 800	5 600	5 300	36.0
38.0	41.3	34.2	5 500	5 200	5 000	4 700	38.0
40.0	37.6	31.7	4 800	4 600	4 400	4 200	40.0
42.0	33.5	28.8	4 300	4 100	3 900	3 700	42.0
44.0	28.9	25.4	3 800	3 600	3 400	3 300	44.0
46.0	23.4	21.3	3 300	3 200	3 000	2 900	46.0

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51.8m (170 Ft.) BOOM							
7.9	82.9	53.7	60 500 *				7.9
8.0	82.8	53.7	60 200 *				8.0
9.0	81.7	53.5	55 800				9.0
10.0	80.6	53.4	47 900	41 700	36 600		10.0
11.0	79.5	53.2	41 500	36 500	32 500	29 000	11.0
12.0	78.4	53.0	36 500	32 400	29 100	26 200	12.0
14.0	76.1	52.5	29 000	26 200	23 800	21 700	14.0
16.0	73.8	51.9	23 800	21 700	20 000	18 400	16.0
18.0	71.5	51.3	20 000	18 400	17 000	15 700	18.0
20.0	69.1	50.5	17 000	15 800	14 600	13 600	20.0
22.0	66.7	49.7	14 600	13 600	12 700	11 900	22.0
24.0	64.3	48.8	12 700	11 900	11 200	10 500	24.0
26.0	61.8	47.7	11 100	10 500	9 800	9 200	26.0
28.0	59.2	46.6	9 800	9 200	8 700	8 200	28.0
30.0	56.6	45.3	8 700	8 200	7 700	7 200	30.0
32.0	53.9	43.9	7 700	7 300	6 800	6 400	32.0
34.0	51.1	42.3	6 800	6 400	6 100	5 700	34.0
36.0	48.1	40.6	6 000	5 700	5 400	5 100	36.0
38.0	45.1	38.7	5 300	5 100	4 800	4 600	38.0
40.0	41.8	36.5	4 700	4 500	4 300	4 000	40.0
42.0	38.4	34.1	4 200	4 000	3 800	3 600	42.0
44.0	34.6	31.3	3 700	3 500	3 300	3 100	44.0
46.0	30.4	28.1	3 200	3 100	2 900	2 800	46.0
48.0	25.6	24.3	2 800	2 700	2 500	2 400	48.0
50.0	19.7	19.4	2 400	2 300	2 200	2 100	50.0

Liftcrane Boom Capacities

777 SERIES 1

Boom No. 78
47 630 kg Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

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							
8.5	82.7	56.7	55 300 *				8.5
9.0	82.2	56.6	53 700 *				9.0
10.0	81.1	56.4	48 100	41 100			10.0
11.0	80.1	56.3	41 500	36 200	32 000		11.0
12.0	79.0	56.1	36 400	32 200	28 600	25 700	12.0
14.0	76.9	55.6	28 900	26 000	23 500	21 300	14.0
16.0	74.7	55.1	23 700	21 500	19 700	18 000	16.0
18.0	72.5	54.5	19 800	18 200	16 700	15 400	18.0
20.0	70.3	53.8	16 800	15 600	14 400	13 300	20.0
22.0	68.1	53.0	14 500	13 400	12 500	11 600	22.0
24.0	65.8	52.2	12 600	11 700	10 900	10 200	24.0
26.0	63.5	51.2	11 000	10 300	9 600	9 000	26.0
28.0	61.1	50.1	9 700	9 000	8 400	7 900	28.0
30.0	58.7	48.9	8 500	8 000	7 500	7 000	30.0
32.0	56.2	47.6	7 500	7 000	6 600	6 200	32.0
34.0	53.6	46.2	6 600	6 300	5 900	5 500	34.0
36.0	51.0	44.6	5 900	5 500	5 200	4 900	36.0
38.0	48.2	42.9	5 200	4 900	4 600	4 300	38.0
40.0	45.3	41.0	4 600	4 300	4 100	3 800	40.0
42.0	42.3	38.8	4 000	3 800	3 600	3 400	42.0
44.0	39.0	36.5	3 500	3 300	3 100	2 900	44.0
46.0	35.5	33.8	3 100	2 900	2 700	2 500	46.0
48.0	31.7	30.7	2 700	2 500	2 400	2 200	48.0
50.0	27.4	27.1	2 300	2 100	2 000	1 900	50.0

Liftcrane Boom Capacities

777 SERIES 1

Boom No. 78
47 630 kg Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

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							
9.1	82.5	59.7	52 800 *				9.1
10.0	81.6	59.5	48 000	40 200			10.0
11.0	80.6	59.4	41 300	35 800	31 400		11.0
12.0	79.6	59.2	36 200	31 700	28 100	25 100	12.0
14.0	77.6	58.8	28 700	25 600	23 000	20 800	14.0
16.0	75.5	58.3	23 500	21 200	19 300	17 500	16.0
18.0	73.5	57.7	19 600	17 900	16 300	15 000	18.0
20.0	71.4	57.0	16 700	15 300	14 000	12 900	20.0
22.0	69.3	56.3	14 300	13 200	12 200	11 200	22.0
24.0	67.1	55.5	12 400	11 400	10 600	9 800	24.0
26.0	65.0	54.6	10 800	10 000	9 300	8 600	26.0
28.0	62.8	53.6	9 400	8 700	8 100	7 600	28.0
30.0	60.5	52.5	8 300	7 700	7 200	6 700	30.0
32.0	58.2	51.3	7 300	6 800	6 300	5 900	32.0
34.0	55.8	49.9	6 400	6 000	5 600	5 200	34.0
36.0	53.4	48.5	5 600	5 300	4 900	4 600	36.0
38.0	50.9	46.9	4 900	4 600	4 300	4 000	38.0
40.0	48.2	45.2	4 300	4 100	3 800	3 500	40.0
42.0	45.5	43.3	3 800	3 500	3 300	3 100	42.0
44.0	42.6	41.2	3 300	3 100	2 800	2 600	44.0
46.0	39.6	38.8	2 800	2 700	2 400	2 300	46.0
48.0	36.3	36.2	2 400	2 200	2 100	1 900	48.0
50.0	32.8	33.3	2 000	1 900			50.0
61.0m (200 Ft.) BOOM							
9.1	82.8	62.7	49 700 *				9.1
10.0	82.0	62.6	47 100				10.0
11.0	81.1	62.5	41 300	35 500			11.0
12.0	80.1	62.3	36 100	31 500	27 700		12.0
14.0	78.2	61.9	28 700	25 400	22 700	20 400	14.0
16.0	76.3	61.4	23 400	21 000	19 000	17 200	16.0
18.0	74.3	60.9	19 500	17 700	16 100	14 700	18.0
20.0	72.4	60.3	16 500	15 100	13 800	12 700	20.0
22.0	70.4	59.6	14 200	13 000	11 900	11 000	22.0
24.0	68.4	58.8	12 200	11 300	10 400	9 600	24.0
26.0	66.3	57.9	10 600	9 800	9 100	8 400	26.0
28.0	64.2	57.0	9 300	8 600	8 000	7 400	28.0
30.0	62.1	56.0	8 200	7 600	7 000	6 500	30.0
32.0	60.0	54.8	7 200	6 700	6 200	5 700	32.0
34.0	57.8	53.6	6 300	5 800	5 400	5 000	34.0
36.0	55.5	52.3	5 500	5 100	4 800	4 400	36.0
38.0	53.2	50.8	4 800	4 500	4 200	3 800	38.0
40.0	50.8	49.2	4 200	3 900	3 600	3 400	40.0
42.0	48.3	47.5	3 700	3 400	3 100	2 900	42.0
44.0	45.7	45.6	3 200	2 900	2 700	2 500	44.0
46.0	43.0	43.5	2 700	2 500	2 300	2 100	46.0
48.0	40.1	41.2	2 300	2 100	1 900		48.0
50.0	37.1	38.7	2 000				50.0

Liftcrane Boom Capacities

777 SERIES 1

Boom No. 78
47 630 kg Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

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							
9.8	82.6	65.7	47 900 *				9.8
10.0	82.4	65.7	46 700				10.0
11.0	81.5	65.5	41 100	35 100			11.0
12.0	80.6	65.4	36 000	31 200	27 300		12.0
14.0	78.8	65.0	28 500	25 100	22 300	20 000	14.0
16.0	76.9	64.6	23 300	20 800	18 700	16 800	16.0
18.0	75.1	64.0	19 400	17 500	15 900	14 400	18.0
20.0	73.2	63.5	16 400	14 900	13 600	12 400	20.0
22.0	71.3	62.8	14 100	12 800	11 800	10 700	22.0
24.0	69.4	62.1	12 100	11 100	10 200	9 400	24.0
26.0	67.5	61.3	10 500	9 700	8 900	8 200	26.0
28.0	65.5	60.4	9 200	8 500	7 800	7 200	28.0
30.0	63.6	59.4	8 000	7 400	6 800	6 300	30.0
32.0	61.5	58.3	7 000	6 500	6 000	5 500	32.0
34.0	59.5	57.2	6 200	5 700	5 300	4 800	34.0
36.0	57.4	55.9	5 400	5 000	4 600	4 200	36.0
38.0	55.2	54.6	4 700	4 400	4 000	3 700	38.0
40.0	53.0	53.1	4 100	3 800	3 500	3 200	40.0
42.0	50.7	51.5	3 600	3 300	3 000	2 700	42.0
44.0	48.3	49.8	3 100	2 800	2 600	2 300	44.0
46.0	45.8	47.9	2 600	2 400	2 200		46.0
48.0	43.3	45.8	2 200	2 000			48.0
50.0	40.6	43.6	1 800				50.0