

Liftcrane Boom Capacities

777 SERIES 2

Boom No. 78
64 410 kg Crane Counterweight
19 960 kg Carbody 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, 64 410 kg crane counterweight and two 9 980 kg carbody counterweights.

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	(a) 79.2m	(a) 79.2m	(b) 70.1m
1 Degree	76.2m	76.2m	(b) 70.1m
2 Degree	76.2m	76.2m	(b) 70.1m
3 Degree	76.2m	76.2m	(b) 70.1m
Load block, hook and weight ball on barge deck at start. (a) Upper boom point, multi-part rope guard (No. A02744) and boom top wire rope guide (No. 192312) for third line cannot be used on 79.2m boom. (b) When multi-part rope guard (No. A02744) is attached to lower boom point, 70.1m 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	160 000 *				4.0
4.5	80.7	20.3	146 100 *	134 400 *			4.5
5.0	79.1	20.2	131 900 *	122 400 *	114 000 *	94 100 *	5.0
5.5	77.5	20.1	120 500 *	112 400 *	105 200 *	92 700 *	5.5
6.0	75.9	19.9	110 800 *	103 900 *	97 300 *	84 600 *	6.0
7.0	72.6	19.6	95 200 *	90 000 *	82 800 *	71 800 *	7.0
8.0	69.2	19.2	83 400 *	79 300 *	72 000 *	62 300 *	8.0
9.0	65.8	18.8	74 100 *	70 600	63 600 *	54 900 *	9.0
10.0	62.3	18.3	64 500	61 200	56 800 *	48 900 *	10.0
11.0	58.6	17.7	56 200	53 600	51 200	44 100 *	11.0
12.0	54.8	17.0	49 600	47 600	45 700	40 000 *	12.0
14.0	46.5	15.2	40 000	38 700	37 400	33 600 *	14.0
16.0	36.8	12.9	33 100	32 300	31 400	28 700 *	16.0
18.0	23.8	9.2	28 100	27 500	27 000	24 900 *	18.0
21.3m (70 Ft.) BOOM							
4.3	82.7	23.4	140 500 *				4.3
4.5	82.0	23.4	138 100 *				4.5
5.0	80.7	23.3	131 200 *	116 400 *	91 300 *		5.0
5.5	79.3	23.2	120 500 *	111 400 *	91 300 *	69 200 *	5.5
6.0	77.9	23.1	110 800 *	103 000 *	91 300 *	69 200 *	6.0
7.0	75.2	22.8	95 200 *	89 300 *	83 400 *	68 900 *	7.0
8.0	72.3	22.5	83 400 *	78 800 *	72 100 *	62 300 *	8.0
9.0	69.5	22.1	74 100 *	70 200	63 600 *	54 900 *	9.0
10.0	66.6	21.7	64 800	60 900	56 800 *	48 900 *	10.0
11.0	63.6	21.2	56 400	53 400	50 700	44 100 *	11.0
12.0	60.5	20.6	49 800	47 500	45 300	40 000 *	12.0
14.0	54.0	19.3	40 200	38 600	37 100	33 600 *	14.0
16.0	46.9	17.6	33 400	32 300	31 200	28 800 *	16.0
18.0	38.8	15.3	28 400	27 600	26 800	25 000 *	18.0
20.0	28.8	12.2	24 400	23 900	23 400	22 000 *	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	114 500 *	100 000 *	88 500 *		5.5
6.0	79.5	26.2	109 600 *	96 200 *	86 000 *	67 400 *	6.0
7.0	77.1	26.0	95 200 *	88 600 *	80 500 *	67 400 *	7.0
8.0	74.6	25.7	83 300 *	78 200 *	72 000 *	62 300 *	8.0
9.0	72.2	25.4	74 000 *	69 700	63 600 *	54 900 *	9.0
10.0	69.6	25.0	65 000	60 500	56 600	48 900 *	10.0
11.0	67.1	24.6	56 500	53 200	50 100	44 100 *	11.0
12.0	64.5	24.1	49 900	47 300	44 800	40 000 *	12.0
14.0	59.1	23.0	40 300	38 400	36 700	33 600 *	14.0
16.0	53.4	21.6	33 500	32 200	31 000	28 800 *	16.0
18.0	47.2	19.9	28 400	27 500	26 600	25 000 *	18.0
20.0	40.2	17.7	24 600	23 900	23 200	22 000 *	20.0
22.0	32.0	14.8	21 400	20 900	20 400	19 500 *	22.0
24.0	21.0	10.6	18 900	18 500	18 200	17 400 *	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	105 500 *	91 100 *			6.0
7.0	78.5	29.1	95 600 *	84 900 *	75 400 *	67 000 *	7.0
8.0	76.4	28.9	83 300 *	77 700 *	70 900 *	62 300 *	8.0
9.0	74.2	28.6	73 900 *	69 100	63 600 *	54 800 *	9.0
10.0	72.0	28.3	65 000	60 100	55 900	48 900 *	10.0
11.0	69.8	27.9	56 500	52 800	49 400	44 000 *	11.0
12.0	67.5	27.5	49 900	47 000	44 200	39 900 *	12.0
14.0	62.9	26.5	40 300	38 200	36 400	33 500 *	14.0
16.0	58.0	25.3	33 500	32 000	30 700	28 700 *	16.0
18.0	52.9	23.9	28 500	27 400	26 400	25 000 *	18.0
20.0	47.4	22.2	24 600	23 800	23 000	22 000 *	20.0
22.0	41.3	20.0	21 500	20 900	20 300	19 600 *	22.0
24.0	34.3	17.4	19 000	18 500	18 100	17 500 *	24.0
26.0	25.7	13.8	16 900	16 500	16 200	15 700 *	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	89 000 *	76 600 *	67 300 *		7.0
8.0	77.8	32.0	82 500 *	71 900 *	63 600 *	57 100 *	8.0
9.0	75.8	31.7	73 900 *	67 600 *	60 200 *	54 200 *	9.0
10.0	73.9	31.5	65 100	59 700	55 300	48 700 *	10.0
11.0	71.9	31.1	56 500	52 400	48 800	43 900 *	11.0
12.0	69.9	30.8	49 900	46 700	43 700	39 800 *	12.0
14.0	65.8	29.9	40 300	38 000	35 900	33 400 *	14.0
16.0	61.6	28.9	33 500	31 800	30 300	28 600 *	16.0
18.0	57.2	27.7	28 400	27 200	26 100	24 900 *	18.0
20.0	52.5	26.2	24 600	23 600	22 800	21 900	20.0
22.0	47.5	24.5	21 500	20 700	20 000	19 400	22.0
24.0	42.1	22.4	19 000	18 400	17 800	17 300	24.0
26.0	36.0	19.8	16 900	16 400	16 000	15 500	26.0
28.0	28.8	16.6	15 100	14 700	14 400	14 100	28.0
30.0	19.3	11.9	13 500	13 300	13 000	12 800	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							
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	86 600 *	74 500 *			7.0
8.0	78.9	35.1	80 000 *	69 600 *	61 500 *	54 800 *	8.0
9.0	77.1	34.9	72 200 *	65 300 *	58 200 *	52 200 *	9.0
10.0	75.4	34.6	64 700	59 500	54 400	48 900 *	10.0
11.0	73.6	34.3	56 600	52 100	48 200	43 800 *	11.0
12.0	71.8	34.0	50 000	46 400	43 200	39 800 *	12.0
14.0	68.1	33.2	40 300	37 800	35 600	33 300 *	14.0
16.0	64.4	32.3	33 500	31 700	30 000	28 500	16.0
18.0	60.5	31.3	28 400	27 100	25 800	24 600	18.0
20.0	56.4	30.0	24 600	23 500	22 500	21 600	20.0
22.0	52.2	28.5	21 500	20 700	19 800	19 100	22.0
24.0	47.7	26.8	19 000	18 300	17 700	17 000	24.0
26.0	42.8	24.7	16 900	16 400	15 800	15 300	26.0
28.0	37.4	22.3	15 100	14 700	14 300	13 800	28.0
30.0	31.2	19.3	13 600	13 300	12 900	12 600	30.0
32.0	23.5	15.3	12 300	12 000	11 700	11 500	32.0
36.6m (120 Ft.) BOOM							
6.1	82.9	38.5	87 100 *				6.1
7.0	81.4	38.4	81 500 *	68 400 *			7.0
8.0	79.8	38.2	76 000 *	64 400 *	56 000 *	49 500 *	8.0
9.0	78.2	38.0	70 100 *	60 900 *	53 200 *	47 300 *	9.0
10.0	76.6	37.8	63 200 *	57 500	50 700 *	45 300 *	10.0
11.0	75.0	37.5	56 600	51 800	47 600	43 300 *	11.0
12.0	73.4	37.2	50 000	46 100	42 600	39 700	12.0
14.0	70.1	36.5	40 300	37 600	35 200	33 000	14.0
16.0	66.7	35.7	33 500	31 500	29 700	28 100	16.0
18.0	63.2	34.7	28 400	27 000	25 600	24 300	18.0
20.0	59.6	33.6	24 600	23 400	22 400	21 300	20.0
22.0	55.8	32.3	21 500	20 600	19 700	18 900	22.0
24.0	51.9	30.8	19 000	18 200	17 500	16 900	24.0
26.0	47.8	29.1	16 900	16 300	15 700	15 200	26.0
28.0	43.3	27.1	15 100	14 600	14 100	13 700	28.0
30.0	38.5	24.7	13 600	13 200	12 800	12 400	30.0
32.0	33.0	21.8	12 300	12 000	11 700	11 300	32.0
34.0	26.6	18.2	11 200	10 900	10 600	10 300	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	72 600 *	61 600 *	53 200 *		8.0
9.0	79.1	41.1	67 800 *	58 100 *	50 700 *	44 800 *	9.0
10.0	77.7	40.9	61 500 *	54 900 *	48 400 *	43 000 *	10.0
11.0	76.2	40.7	56 000	51 400	46 000	41 200 *	11.0
12.0	74.7	40.4	50 000	45 800	42 200	39 000	12.0
14.0	71.6	39.8	40 200	37 300	34 800	32 500	14.0
16.0	68.6	39.0	33 400	31 300	29 400	27 600	16.0
18.0	65.4	38.1	28 400	26 800	25 300	23 900	18.0
20.0	62.2	37.1	24 500	23 300	22 100	21 000	20.0
22.0	58.8	36.0	21 400	20 400	19 500	18 600	22.0
24.0	55.3	34.6	18 900	18 100	17 300	16 600	24.0
26.0	51.7	33.1	16 800	16 200	15 500	14 900	26.0
28.0	47.9	31.4	15 100	14 500	14 000	13 500	28.0
30.0	43.8	29.4	13 600	13 100	12 700	12 200	30.0
32.0	39.4	27.1	12 300	11 900	11 500	11 200	32.0
34.0	34.5	24.3	11 100	10 800	10 500	10 200	34.0
36.0	28.9	21.0	10 100	9 900	9 600	9 300	36.0
38.0	21.9	16.7	9 200	9 000	8 800	8 600	38.0
42.7m (140 Ft.) BOOM							
7.3	82.2	44.5	71 600 *				7.3
8.0	81.3	44.4	68 500 *	56 700 *			8.0
9.0	79.9	44.2	64 300 *	53 800 *	46 300 *		9.0
10.0	78.6	44.0	60 100 *	51 100 *	44 200 *	39 000 *	10.0
11.0	77.2	43.8	54 500 *	48 600 *	42 300 *	37 400 *	11.0
12.0	75.8	43.6	49 800	45 500	40 500 *	36 000 *	12.0
14.0	73.0	43.0	40 200	37 100	34 400	32 000	14.0
16.0	70.2	42.3	33 300	31 100	29 000	27 200	16.0
18.0	67.3	41.5	28 300	26 600	25 000	23 500	18.0
20.0	64.3	40.6	24 400	23 100	21 800	20 700	20.0
22.0	61.3	39.5	21 300	20 200	19 200	18 300	22.0
24.0	58.1	38.3	18 800	17 900	17 100	16 300	24.0
26.0	54.9	36.9	16 700	16 000	15 300	14 600	26.0
28.0	51.5	35.4	14 900	14 300	13 700	13 200	28.0
30.0	48.0	33.7	13 400	12 900	12 400	12 000	30.0
32.0	44.2	31.7	12 200	11 700	11 300	10 900	32.0
34.0	40.1	29.4	11 000	10 600	10 300	9 900	34.0
36.0	35.7	26.8	10 000	9 700	9 400	9 100	36.0
38.0	30.7	23.7	9 100	8 800	8 600	8 300	38.0
40.0	24.8	19.8	8 300	8 100	7 900	7 600	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	66 000 *	54 600 *			8.0
9.0	80.6	47.3	61 800 *	51 700 *			9.0
10.0	79.3	47.2	57 900 *	49 000 *	42 400 *	37 400 *	10.0
11.0	78.1	46.9	53 000 *	46 500 *	40 500 *	35 900 *	11.0
12.0	76.8	46.7	48 700 *	44 100 *	38 700 *	34 400 *	12.0
14.0	74.2	46.2	40 100	36 800	34 000	31 500	14.0
16.0	71.5	45.5	33 200	30 800	28 700	26 700	16.0
18.0	68.9	44.8	28 200	26 300	24 700	23 200	18.0
20.0	66.1	43.9	24 300	22 900	21 500	20 300	20.0
22.0	63.4	43.0	21 200	20 100	19 000	18 000	22.0
24.0	60.5	41.9	18 700	17 700	16 900	16 000	24.0
26.0	57.6	40.6	16 600	15 800	15 100	14 400	26.0
28.0	54.5	39.3	14 800	14 200	13 600	13 000	28.0
30.0	51.3	37.7	13 300	12 800	12 300	11 800	30.0
32.0	48.0	36.0	12 100	11 600	11 100	10 700	32.0
34.0	44.5	34.0	10 900	10 500	10 100	9 700	34.0
36.0	40.8	31.8	9 900	9 600	9 200	8 900	36.0
38.0	36.7	29.3	9 000	8 700	8 400	8 100	38.0
40.0	32.2	26.3	8 200	8 000	7 700	7 500	40.0
42.0	27.1	22.7	7 500	7 300	7 100	6 900	42.0
44.0	20.7	18.0	6 800	6 600	6 400	6 300	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	58 600 *	48 600 *			9.0
10.0	80.0	50.3	54 900 *	46 300 *	39 600 *		10.0
11.0	78.8	50.1	51 600 *	44 100 *	38 000 *	33 200 *	11.0
12.0	77.6	49.8	47 500 *	41 800 *	36 400 *	32 000 *	12.0
14.0	75.2	49.3	40 200	36 700	33 300	29 700	14.0
16.0	72.7	48.7	33 200	30 600	28 400	26 500	16.0
18.0	70.3	48.0	28 100	26 200	24 400	22 800	18.0
20.0	67.7	47.3	24 300	22 700	21 300	20 000	20.0
22.0	65.1	46.4	21 200	19 900	18 800	17 700	22.0
24.0	62.5	45.4	18 600	17 600	16 700	15 800	24.0
26.0	59.8	44.2	16 600	15 700	14 900	14 200	26.0
28.0	57.0	43.0	14 800	14 100	13 400	12 800	28.0
30.0	54.2	41.6	13 300	12 700	12 100	11 500	30.0
32.0	51.2	40.0	12 000	11 500	11 000	10 500	32.0
34.0	48.1	38.3	10 900	10 400	10 000	9 500	34.0
36.0	44.8	36.3	9 800	9 400	9 100	8 700	36.0
38.0	41.3	34.2	9 000	8 600	8 300	8 000	38.0
40.0	37.6	31.7	8 200	7 900	7 600	7 300	40.0
42.0	33.5	28.8	7 400	7 200	6 900	6 700	42.0
44.0	28.9	25.4	6 800	6 600	6 400	6 100	44.0
46.0	23.4	21.3	6 200	6 000	5 800	5 600	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	56 300 *				9.0
10.0	80.6	53.4	52 600 *	44 300 *	37 900 *		10.0
11.0	79.5	53.2	49 400 *	42 100 *	36 200 *	31 800 *	11.0
12.0	78.4	53.0	46 200 *	39 900 *	34 700 *	30 500 *	12.0
14.0	76.1	52.5	39 600	35 800	31 800	28 200 *	14.0
16.0	73.8	51.9	33 200	30 500	28 200	25 800	16.0
18.0	71.5	51.3	28 000	26 000	24 100	22 500	18.0
20.0	69.1	50.5	24 200	22 500	21 100	19 700	20.0
22.0	66.7	49.7	21 000	19 700	18 500	17 400	22.0
24.0	64.3	48.8	18 500	17 400	16 500	15 500	24.0
26.0	61.8	47.7	16 500	15 500	14 700	13 900	26.0
28.0	59.2	46.6	14 700	13 900	13 200	12 500	28.0
30.0	56.6	45.3	13 200	12 500	11 900	11 300	30.0
32.0	53.9	43.9	11 900	11 300	10 800	10 300	32.0
34.0	51.1	42.3	10 800	10 200	9 800	9 400	34.0
36.0	48.1	40.6	9 700	9 300	8 900	8 500	36.0
38.0	45.1	38.7	8 800	8 500	8 100	7 800	38.0
40.0	41.8	36.5	8 100	7 800	7 400	7 100	40.0
42.0	38.4	34.1	7 300	7 100	6 800	6 500	42.0
44.0	34.6	31.3	6 700	6 400	6 200	5 900	44.0
46.0	30.4	28.1	6 100	5 900	5 700	5 500	46.0
48.0	25.6	24.3	5 600	5 300	5 200	5 000	48.0
50.0	19.7	19.4	5 000	4 900	4 700	4 600	50.0

Liftcrane Boom Capacities

777 SERIES 2

Boom No. 78

64 410 kg Crane Counterweight

19 960 kg Carbody 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	50 400 *	41 500 *			10.0
11.0	80.1	56.3	47 400 *	39 700 *	33 600 *		11.0
12.0	79.0	56.1	44 400 *	37 800 *	32 400 *	28 100 *	12.0
14.0	76.9	55.6	38 700	34 200	29 900 *	26 200 *	14.0
16.0	74.7	55.1	33 200	30 400	27 300	24 400 *	16.0
18.0	72.5	54.5	27 900	25 700	23 900	22 100	18.0
20.0	70.3	53.8	24 000	22 300	20 700	19 300	20.0
22.0	68.1	53.0	20 900	19 500	18 200	17 100	22.0
24.0	65.8	52.2	18 400	17 300	16 200	15 200	24.0
26.0	63.5	51.2	16 300	15 300	14 400	13 600	26.0
28.0	61.1	50.1	14 500	13 700	13 000	12 200	28.0
30.0	58.7	48.9	13 000	12 300	11 700	11 100	30.0
32.0	56.2	47.6	11 700	11 100	10 600	10 000	32.0
34.0	53.6	46.2	10 600	10 100	9 600	9 100	34.0
36.0	51.0	44.6	9 600	9 100	8 700	8 300	36.0
38.0	48.2	42.9	8 700	8 300	7 900	7 600	38.0
40.0	45.3	41.0	7 900	7 500	7 200	6 900	40.0
42.0	42.3	38.8	7 200	6 900	6 600	6 300	42.0
44.0	39.0	36.5	6 500	6 300	6 000	5 700	44.0
46.0	35.5	33.8	5 900	5 700	5 500	5 200	46.0
48.0	31.7	30.7	5 400	5 200	5 000	4 800	48.0
50.0	27.4	27.1	4 900	4 700	4 500	4 400	50.0
52.0	22.3	22.7	4 400	4 300	4 100	4 000	52.0

Liftcrane Boom Capacities

777 SERIES 2

Boom No. 78
64 410 kg Crane Counterweight
19 960 kg Carbody 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	50 700 *	40 700 *			10.0
11.0	80.6	59.4	48 200 *	39 100 *	32 800 *		11.0
12.0	79.6	59.2	44 200 *	37 500 *	31 600 *	27 300 *	12.0
14.0	77.6	58.8	37 800 *	34 500	29 500 *	25 600 *	14.0
16.0	75.5	58.3	32 700	30 000	27 000	23 900 *	16.0
18.0	73.5	57.7	27 700	25 400	23 400	21 600	18.0
20.0	71.4	57.0	23 800	22 000	20 300	18 900	20.0
22.0	69.3	56.3	20 700	19 200	17 900	16 700	22.0
24.0	67.1	55.5	18 200	16 900	15 800	14 800	24.0
26.0	65.0	54.6	16 100	15 100	14 100	13 300	26.0
28.0	62.8	53.6	14 300	13 400	12 600	11 900	28.0
30.0	60.5	52.5	12 800	12 000	11 400	10 700	30.0
32.0	58.2	51.3	11 500	10 800	10 200	9 700	32.0
34.0	55.8	49.9	10 400	9 800	9 300	8 800	34.0
36.0	53.4	48.5	9 300	8 900	8 400	8 000	36.0
38.0	50.9	46.9	8 500	8 000	7 600	7 200	38.0
40.0	48.2	45.2	7 700	7 300	6 900	6 500	40.0
42.0	45.5	43.3	6 900	6 600	6 300	6 000	42.0
44.0	42.6	41.2	6 300	6 000	5 700	5 400	44.0
46.0	39.6	38.8	5 700	5 500	5 200	4 900	46.0
48.0	36.3	36.2	5 100	4 900	4 700	4 500	48.0
50.0	32.8	33.3	4 600	4 400	4 200	4 000	50.0
52.0	28.9	29.9	4 200	4 000	3 800	3 700	52.0
54.0	24.4	25.8	3 800	3 600	3 500	3 300	54.0
56.0	18.9	20.7	3 300	3 200	3 100	3 000	56.0

Liftcrane Boom Capacities

777 SERIES 2

Boom No. 78

64 410 kg Crane Counterweight

19 960 kg Carbody 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
61.0m (200 Ft.) BOOM							
9.1	82.8	62.7	49 700 *				9.1
10.0	82.0	62.6	47 600 *				10.0
11.0	81.1	62.5	45 200 *	36 700 *			11.0
12.0	80.1	62.3	42 800 *	35 100 *	29 500 *		12.0
14.0	78.2	61.9	36 700 *	32 300 *	27 500 *	23 700 *	14.0
16.0	76.3	61.4	32 000 *	29 300	25 500 *	22 300 *	16.0
18.0	74.3	60.9	27 700	25 300	23 100	20 800 *	18.0
20.0	72.4	60.3	23 700	21 800	20 100	18 600	20.0
22.0	70.4	59.6	20 600	19 000	17 600	16 400	22.0
24.0	68.4	58.8	18 100	16 800	15 600	14 600	24.0
26.0	66.3	57.9	16 000	14 900	13 900	13 000	26.0
28.0	64.2	57.0	14 200	13 300	12 400	11 700	28.0
30.0	62.1	56.0	12 700	11 900	11 200	10 500	30.0
32.0	60.0	54.8	11 400	10 700	10 100	9 500	32.0
34.0	57.8	53.6	10 200	9 600	9 100	8 600	34.0
36.0	55.5	52.3	9 200	8 700	8 200	7 700	36.0
38.0	53.2	50.8	8 300	7 900	7 500	7 000	38.0
40.0	50.8	49.2	7 600	7 100	6 800	6 400	40.0
42.0	48.3	47.5	6 800	6 500	6 100	5 800	42.0
44.0	45.7	45.6	6 200	5 900	5 500	5 300	44.0
46.0	43.0	43.5	5 600	5 300	5 000	4 700	46.0
48.0	40.1	41.2	5 100	4 800	4 500	4 300	48.0
50.0	37.1	38.7	4 600	4 300	4 100	3 900	50.0
52.0	33.8	35.8	4 100	3 900	3 700	3 500	52.0
54.0	30.2	32.5	3 700	3 500	3 300	3 100	54.0
56.0	26.1	28.7	3 300	3 100	3 000	2 800	56.0
58.0	21.4	24.1	2 900	2 700	2 600	2 500	58.0

Liftcrane Boom Capacities

777 SERIES 2

Boom No. 78
64 410 kg Crane Counterweight
19 960 kg Carbody 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	47 300 *				10.0
11.0	81.5	65.5	44 400 *	39 200 *			11.0
12.0	80.6	65.4	41 300 *	36 600 *	31 200 *		12.0
14.0	78.8	65.0	35 600 *	32 000 *	29 100 *	25 100 *	14.0
16.0	76.9	64.6	31 300 *	28 500 *	26 100	23 700	16.0
18.0	75.1	64.0	27 400	25 000	22 900	20 900	18.0
20.0	73.2	63.5	23 600	21 600	19 800	18 200	20.0
22.0	71.3	62.8	20 400	18 800	17 400	16 100	22.0
24.0	69.4	62.1	17 900	16 600	15 400	14 300	24.0
26.0	67.5	61.3	15 800	14 700	13 700	12 800	26.0
28.0	65.5	60.4	14 100	13 100	12 300	11 400	28.0
30.0	63.6	59.4	12 600	11 800	11 000	10 300	30.0
32.0	61.5	58.3	11 200	10 600	9 900	9 300	32.0
34.0	59.5	57.2	10 100	9 500	8 900	8 400	34.0
36.0	57.4	55.9	9 100	8 600	8 100	7 600	36.0
38.0	55.2	54.6	8 200	7 700	7 300	6 900	38.0
40.0	53.0	53.1	7 400	7 000	6 600	6 200	40.0
42.0	50.7	51.5	6 700	6 300	6 000	5 600	42.0
44.0	48.3	49.8	6 100	5 700	5 400	5 100	44.0
46.0	45.8	47.9	5 500	5 200	4 900	4 600	46.0
48.0	43.3	45.8	4 900	4 700	4 400	4 100	48.0
50.0	40.6	43.6	4 500	4 200	4 000	3 700	50.0
52.0	37.7	41.1	4 000	3 800	3 500	3 400	52.0
54.0	34.6	38.3	3 600	3 400	3 200	3 000	54.0
56.0	31.3	35.2	3 200	3 000	2 800	2 700	56.0
58.0	27.6	31.6	2 800	2 700	2 500	2 300	58.0
60.0	23.4	27.3	2 500	2 300	2 200	2 100	60.0
62.0	18.3	21.9	2 100	2 000	1 900		62.0

Liftcrane Boom Capacities

777 SERIES 2

Boom No. 78

64 410 kg Crane Counterweight

19 960 kg Carbody 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
67.1m (220 Ft.) BOOM							
9.8	83.0	68.8	47 600 *				9.8
10.0	82.8	68.8	47 100 *				10.0
11.0	81.9	68.6	43 700 *	35 200 *			11.0
12.0	81.0	68.5	40 000 *	34 100 *			12.0
14.0	79.3	68.1	34 400 *	30 800 *	26 300 *	22 200 *	14.0
16.0	77.5	67.7	30 200 *	27 400 *	24 800 *	21 100 *	16.0
18.0	75.8	67.2	26 800 *	24 500 *	22 400	20 100 *	18.0
20.0	74.0	66.6	23 500	21 400	19 500	17 900	20.0
22.0	72.2	66.0	20 300	18 700	17 100	15 800	22.0
24.0	70.4	65.3	17 800	16 400	15 100	14 000	24.0
26.0	68.6	64.6	15 700	14 500	13 400	12 400	26.0
28.0	66.7	63.7	13 900	12 900	12 000	11 200	28.0
30.0	64.9	62.8	12 400	11 500	10 700	10 000	30.0
32.0	62.9	61.8	11 100	10 300	9 700	9 000	32.0
34.0	61.0	60.7	9 900	9 300	8 700	8 100	34.0
36.0	59.0	59.6	9 000	8 400	7 900	7 300	36.0
38.0	57.0	58.3	8 100	7 600	7 100	6 600	38.0
40.0	54.9	56.9	7 200	6 800	6 400	6 000	40.0
42.0	52.8	55.4	6 500	6 200	5 800	5 400	42.0
44.0	50.6	53.8	5 900	5 500	5 200	4 900	44.0
46.0	48.3	52.1	5 300	5 000	4 600	4 400	46.0
48.0	46.0	50.2	4 800	4 500	4 200	3 900	48.0
50.0	43.5	48.2	4 300	4 000	3 700	3 500	50.0
52.0	41.0	45.9	3 800	3 600	3 400	3 100	52.0
54.0	38.3	43.5	3 400	3 200	3 000	2 800	54.0
56.0	35.4	40.8	3 000	2 800	2 600	2 400	56.0
58.0	32.3	37.7	2 700	2 500	2 300	2 100	58.0
60.0	28.9	34.3	2 300	2 100	2 000		60.0
62.0	25.1	30.3	2 000	1 800			62.0

Liftcrane Boom Capacities

777 SERIES 2

Boom No. 78
64 410 kg Crane Counterweight
19 960 kg Carbody 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
70.1m (230 Ft.) BOOM							
10.4	82.8	71.8	44 000 *				10.4
11.0	82.2	71.7	42 600 *				11.0
12.0	81.4	71.6	39 000 *	32 100 *			12.0
14.0	79.8	71.2	33 500 *	29 900 *	24 700 *	20 200 *	14.0
16.0	78.1	70.8	29 300 *	26 400 *	23 300 *	19 800 *	16.0
18.0	76.4	70.3	26 000 *	23 600 *	21 600 *	18 700 *	18.0
20.0	74.7	69.8	23 100	21 200	19 300	17 600	20.0
22.0	73.0	69.2	20 200	18 400	16 800	15 500	22.0
24.0	71.3	68.6	17 700	16 200	14 900	13 700	24.0
26.0	69.6	67.8	15 600	14 300	13 200	12 200	26.0
28.0	67.8	67.0	13 800	12 700	11 800	10 900	28.0
30.0	66.0	66.2	12 300	11 400	10 500	9 800	30.0
32.0	64.2	65.2	10 900	10 200	9 400	8 800	32.0
34.0	62.4	64.2	9 800	9 100	8 500	7 900	34.0
36.0	60.5	63.1	8 800	8 200	7 600	7 100	36.0
38.0	58.6	61.9	7 900	7 400	6 900	6 400	38.0
40.0	56.7	60.6	7 100	6 600	6 200	5 800	40.0
42.0	54.7	59.2	6 400	6 000	5 500	5 200	42.0
44.0	52.6	57.7	5 700	5 400	5 000	4 600	44.0
46.0	50.5	56.1	5 100	4 800	4 500	4 200	46.0
48.0	48.4	54.4	4 600	4 300	4 000	3 700	48.0
50.0	46.1	52.5	4 100	3 800	3 600	3 300	50.0
52.0	43.8	50.5	3 700	3 400	3 200	2 900	52.0
54.0	41.4	48.3	3 300	3 000	2 800	2 600	54.0
56.0	38.8	45.9	2 800	2 700	2 500	2 200	56.0
58.0	36.1	43.2	2 500	2 300	2 100		58.0
60.0	33.2	40.3	2 200	2 000			60.0
62.0	30.0	37.0	1 800				62.0

Liftcrane Boom Capacities

777 SERIES 2

Boom No. 78
64 410 kg Crane Counterweight
19 960 kg Carbody 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
73.2m (240 Ft.) BOOM							
11.0	82.6	74.8	40 100 *				11.0
12.0	81.8	74.6	38 200 *				12.0
14.0	80.2	74.3	32 500 *	28 800 *	23 400 *		14.0
16.0	78.6	73.9	28 400 *	25 400 *	22 500 *	17 900 *	16.0
18.0	77.0	73.5	25 300 *	22 900 *	20 800 *	17 800 *	18.0
20.0	75.4	73.0	22 600 *	20 600	18 800	17 100	20.0
22.0	73.8	72.4	20 100	18 300	16 600	15 200	22.0
24.0	72.1	71.8	17 500	16 000	14 600	13 400	24.0
26.0	70.5	71.1	15 400	14 100	13 000	12 000	26.0
28.0	68.8	70.3	13 600	12 500	11 500	10 700	28.0
30.0	67.1	69.5	12 100	11 200	10 300	9 500	30.0
32.0	65.4	68.6	10 800	10 000	9 300	8 600	32.0
34.0	63.6	67.6	9 700	9 000	8 300	7 700	34.0
36.0	61.9	66.6	8 700	8 000	7 400	6 900	36.0
38.0	60.1	65.5	7 700	7 200	6 700	6 200	38.0
40.0	58.2	64.2	7 000	6 500	6 000	5 500	40.0
42.0	56.4	62.9	6 300	5 800	5 400	5 000	42.0
44.0	54.4	61.5	5 600	5 200	4 800	4 400	44.0
46.0	52.5	60.0	5 000	4 600	4 300	4 000	46.0
48.0	50.5	58.4	4 500	4 200	3 800	3 500	48.0
50.0	48.4	56.7	4 000	3 700	3 400	3 100	50.0
52.0	46.3	54.8	3 500	3 300	3 000	2 700	52.0
54.0	44.0	52.8	3 100	2 900	2 600	2 400	54.0
56.0	41.7	50.6	2 700	2 500	2 300	2 100	56.0
58.0	39.3	48.2	2 300	2 200			58.0
60.0	36.7	45.6	2 000				60.0

Liftcrane Boom Capacities

777 SERIES 2

Boom No. 78
64 410 kg Crane Counterweight
19 960 kg Carbody 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
76.2m (250 Ft.) BOOM							
11.6	82.4	77.8	38 500 *				11.6
12.0	82.1	77.7	37 100 *				12.0
14.0	80.6	77.4	31 600 *	27 300 *			14.0
16.0	79.1	77.0	27 600 *	24 600 *	20 900 *		16.0
18.0	77.5	76.6	24 500 *	22 000 *	19 800 *	16 000 *	18.0
20.0	76.0	76.1	21 900 *	19 800 *	18 100 *	15 900 *	20.0
22.0	74.4	75.6	19 600	17 800	16 300	14 900	22.0
24.0	72.8	75.0	17 400	15 800	14 400	13 200	24.0
26.0	71.3	74.3	15 200	13 900	12 800	11 700	26.0
28.0	69.7	73.6	13 500	12 400	11 300	10 400	28.0
30.0	68.0	72.8	12 000	11 000	10 100	9 300	30.0
32.0	66.4	72.0	10 700	9 800	9 000	8 300	32.0
34.0	64.8	71.0	9 500	8 800	8 100	7 500	34.0
36.0	63.1	70.0	8 500	7 900	7 200	6 700	36.0
38.0	61.4	69.0	7 600	7 000	6 500	6 000	38.0
40.0	59.6	67.8	6 800	6 300	5 800	5 300	40.0
42.0	57.9	66.6	6 100	5 600	5 200	4 800	42.0
44.0	56.1	65.3	5 500	5 000	4 600	4 300	44.0
46.0	54.2	63.9	4 900	4 500	4 100	3 800	46.0
48.0	52.3	62.3	4 300	4 000	3 600	3 300	48.0
50.0	50.4	60.7	3 800	3 500	3 200	2 900	50.0
52.0	48.4	59.0	3 400	3 100	2 800	2 500	52.0
54.0	46.4	57.1	2 900	2 700	2 500	2 200	54.0
56.0	44.2	55.1	2 600	2 300	2 100	1 900	56.0
58.0	42.0	53.0	2 200	2 000			58.0

Liftcrane Boom Capacities

777 SERIES 2

Boom No. 78
64 410 kg Crane Counterweight
19 960 kg Carbody 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
79.2m (260 Ft.) BOOM			
12.2	82.3	80.8	35 000 *
14.0	81.0	80.5	30 500 *
16.0	79.5	80.1	26 500 *
18.0	78.0	79.7	23 500 *
20.0	76.5	79.3	21 100 *
22.0	75.0	78.7	18 900 *
24.0	73.5	78.2	17 000 *
26.0	72.0	77.5	15 100
28.0	70.5	76.8	13 300
30.0	68.9	76.1	11 800
32.0	67.4	75.3	10 500
34.0	65.8	74.4	9 400
36.0	64.2	73.4	8 300
38.0	62.6	72.4	7 400
40.0	60.9	71.3	6 700
42.0	59.3	70.2	5 900
44.0	57.5	68.9	5 300
46.0	55.8	67.6	4 700
48.0	54.0	66.2	4 100
50.0	52.2	64.6	3 600
52.0	50.4	63.0	3 200
54.0	48.4	61.3	2 800
56.0	46.5	59.4	2 300 *