

Liftcrane Boom Capacities

777 SERIES 1

Boom No. 78
47 630 kg Counterweight
Pedestal Mount
0 Degree thru 3 Degree Machine List
360 Degree Rating

LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and are based on structural competence.

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 with turntable bearing properly supported 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 top of turntable bearing 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 top of turntable bearing to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 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.

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.

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

Maximum Boom Length Lifted Unassisted	
List	Boom Length
0 Degree	64.0m
1 Degree	64.0m
2 Degree	64.0m
3 Degree	64.0m
Load block, hook and weight ball on barge deck at start. Jib is not to be used while operating on a barge.	



Liftcrane Boom Capacities

777 SERIES 1

Boom No. 78
47 630 kg Counterweight
Pedestal Mount
0 Degree thru 3 Degree Machine List
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
18.3m (60 Ft.) BOOM							
4.0	82.4	18.9	153 900				4.0
4.5	80.7	18.8	136 600	126 100			4.5
5.0	79.1	18.7	123 700	114 700	106 700	92 100	5.0
5.5	77.5	18.6	112 900	105 200	98 300	83 800	5.5
6.0	75.9	18.5	103 700	97 100	90 300	76 400	6.0
7.0	72.6	18.2	88 900	83 900	76 700	64 800	7.0
8.0	69.2	17.8	77 700	73 700	66 600	56 200	8.0
9.0	65.8	17.3	68 700	65 500	58 800	49 400	9.0
10.0	62.3	16.8	61 100	58 500	52 500	44 000	10.0
11.0	58.6	16.2	54 900	52 800	47 400	39 600	11.0
12.0	54.8	15.5	49 800	48 000	43 100	35 900	12.0
14.0	46.5	13.8	41 700	40 500	36 300	30 100	14.0
16.0	36.8	11.4	35 700	34 800	31 200	25 700	16.0
18.0	23.8	7.8	31 000	30 400	27 200	22 200	18.0
21.3m (70 Ft.) BOOM							
4.3	82.7	22.0	140 500				4.3
4.5	82.0	21.9	136 000				4.5
5.0	80.7	21.8	123 700	113 800	91 300		5.0
5.5	79.3	21.7	112 900	104 200	91 300	69 200	5.5
6.0	77.9	21.6	103 700	96 200	89 400	69 200	6.0
7.0	75.2	21.4	88 900	83 300	76 800	65 600	7.0
8.0	72.3	21.0	77 700	73 300	66 700	56 200	8.0
9.0	69.5	20.7	68 800	65 100	58 800	49 500	9.0
10.0	66.6	20.2	61 200	58 200	52 500	44 100	10.0
11.0	63.6	19.7	55 000	52 600	47 400	39 700	11.0
12.0	60.5	19.2	49 800	47 800	43 100	36 000	12.0
14.0	54.0	17.8	41 800	40 300	36 300	30 100	14.0
16.0	46.9	16.1	35 800	34 700	31 300	25 800	16.0
18.0	38.8	13.8	31 100	30 300	27 300	22 300	18.0
20.0	28.8	10.7	27 400	26 800	24 100	19 600	20.0
24.4m (80 Ft.) BOOM							
4.6	82.9	25.0	124 900				4.6
5.0	81.9	24.9	119 900				5.0
5.5	80.7	24.8	112 800	100 000	88 500		5.5
6.0	79.5	24.7	103 600	95 300	86 000	67 400	6.0
7.0	77.1	24.5	88 800	82 500	76 900	64 700	7.0
8.0	74.6	24.2	77 600	72 600	66 600	56 200	8.0
9.0	72.2	23.9	68 700	64 600	58 800	49 400	9.0
10.0	69.6	23.5	61 200	57 800	52 500	44 000	10.0
11.0	67.1	23.1	55 000	52 200	47 400	39 600	11.0
12.0	64.5	22.7	49 800	47 500	43 100	35 900	12.0
14.0	59.1	21.5	41 800	40 100	36 300	30 100	14.0
16.0	53.4	20.1	35 800	34 500	31 200	25 700	16.0
18.0	47.2	18.4	31 100	30 200	27 300	22 300	18.0
20.0	40.2	16.2	27 400	26 700	24 100	19 600	20.0
22.0	32.0	13.4	24 400	23 800	21 500	17 300	22.0
24.0	21.0	9.2	21 800	21 400	19 300	15 400	24.0



Liftcrane Boom Capacities

777 SERIES 1

Boom No. 78
47 630 kg Counterweight
Pedestal Mount
0 Degree thru 3 Degree Machine List
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
27.4m (90 Ft.) BOOM							
4.9	83.0	28.0	116 400				4.9
5.0	82.8	28.0	115 100				5.0
5.5	81.7	27.9	110 100	94 500			5.5
6.0	80.6	27.8	103 700	91 100			6.0
7.0	78.5	27.6	88 700	82 100	75 000	64 500	7.0
8.0	76.4	27.4	77 400	72 000	66 600	56 100	8.0
9.0	74.2	27.1	68 600	64 100	58 700	49 300	9.0
10.0	72.0	26.8	61 100	57 400	52 500	44 000	10.0
11.0	69.8	26.4	54 900	51 800	47 300	39 500	11.0
12.0	67.5	26.0	49 800	47 200	43 000	35 800	12.0
14.0	62.9	25.1	41 700	39 900	36 300	30 100	14.0
16.0	58.0	23.9	35 700	34 300	31 200	25 700	16.0
18.0	52.9	22.4	31 100	30 100	27 300	22 300	18.0
20.0	47.4	20.7	27 400	26 600	24 100	19 600	20.0
22.0	41.3	18.6	24 400	23 700	21 500	17 300	22.0
24.0	34.3	15.9	21 900	21 400	19 300	15 500	24.0
26.0	25.7	12.3	19 700	19 400	17 500	13 900	26.0
30.5m (100 Ft.) BOOM							
5.5	82.6	31.0	100 400				5.5
6.0	81.6	30.9	96 300	81 900			6.0
7.0	79.7	30.8	88 200	76 600	67 300		7.0
8.0	77.8	30.5	77 300	71 500	63 600	56 100	8.0
9.0	75.8	30.3	68 400	63 600	58 800	49 200	9.0
10.0	73.9	30.0	61 000	57 000	52 300	43 800	10.0
11.0	71.9	29.7	54 800	51 500	47 200	39 400	11.0
12.0	69.9	29.3	49 700	46 800	42 900	35 700	12.0
14.0	65.8	28.5	41 600	39 600	36 200	29 900	14.0
16.0	61.6	27.4	35 600	34 100	31 100	25 600	16.0
18.0	57.2	26.2	31 000	29 800	27 200	22 200	18.0
20.0	52.5	24.7	27 300	26 400	24 000	19 500	20.0
22.0	47.5	23.0	24 300	23 600	21 400	17 300	22.0
24.0	42.1	20.9	21 800	21 200	19 300	15 400	24.0
26.0	36.0	18.4	19 700	19 200	17 400	13 800	26.0
28.0	28.8	15.1	17 800	17 500	15 800	12 400	28.0
30.0	19.3	10.5	16 200	16 000	14 400	11 200	30.0



Liftcrane Boom Capacities

777 SERIES 1

Boom No. 78
47 630 kg Counterweight
Pedestal Mount
0 Degree thru 3 Degree Machine List
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
33.5m (110 Ft.) BOOM							
5.8	82.7	34.1	95 700				5.8
6.0	82.4	34.0	94 000				6.0
7.0	80.6	33.9	86 600	74 500			7.0
8.0	78.9	33.7	77 200	69 500	61 500	54 600	8.0
9.0	77.1	33.4	68 300	63 200	58 100	49 300	9.0
10.0	75.4	33.2	61 000	56 600	52 300	43 800	10.0
11.0	73.6	32.9	54 700	51 100	47 100	39 300	11.0
12.0	71.8	32.6	49 600	46 600	42 900	35 700	12.0
14.0	68.1	31.8	41 600	39 400	36 100	29 900	14.0
16.0	64.4	30.9	35 600	33 900	31 100	25 500	16.0
18.0	60.5	29.8	31 000	29 600	27 200	22 200	18.0
20.0	56.4	28.5	27 300	26 200	24 000	19 400	20.0
22.0	52.2	27.1	24 300	23 400	21 400	17 200	22.0
24.0	47.7	25.3	21 800	21 100	19 200	15 300	24.0
26.0	42.8	23.3	19 700	19 100	17 400	13 800	26.0
28.0	37.4	20.8	17 800	17 400	15 800	12 400	28.0
30.0	31.2	17.8	16 300	15 900	14 400	11 200	30.0
32.0	23.5	13.8	14 900	14 600	13 200	10 200	32.0
36.6m (120 Ft.) BOOM							
6.1	82.9	37.1	87 100				6.1
7.0	81.4	37.0	81 500	68 400			7.0
8.0	79.8	36.8	75 900	64 400	56 000	49 500	8.0
9.0	78.2	36.6	68 300	60 900	53 200	47 300	9.0
10.0	76.6	36.3	60 900	56 400	50 700	43 900	10.0
11.0	75.0	36.1	54 700	50 800	47 100	39 300	11.0
12.0	73.4	35.8	49 500	46 300	42 800	35 600	12.0
14.0	70.1	35.1	41 500	39 100	36 100	29 800	14.0
16.0	66.7	34.2	35 500	33 700	31 000	25 500	16.0
18.0	63.2	33.3	30 900	29 500	27 100	22 100	18.0
20.0	59.6	32.2	27 300	26 100	23 900	19 400	20.0
22.0	55.8	30.9	24 200	23 300	21 400	17 200	22.0
24.0	51.9	29.4	21 700	21 000	19 200	15 300	24.0
26.0	47.8	27.6	19 600	19 000	17 400	13 800	26.0
28.0	43.3	25.6	17 800	17 300	15 800	12 400	28.0
30.0	38.5	23.2	16 300	15 800	14 500	11 200	30.0
32.0	33.0	20.4	14 900	14 500	13 200	10 200	32.0
34.0	26.6	16.8	13 600	13 300	12 200	9 300	34.0

Liftcrane Boom Capacities

777 SERIES 1

Boom No. 78
47 630 kg Counterweight
Pedestal Mount
0 Degree thru 3 Degree Machine List
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
39.6m (130 Ft.) BOOM							
6.7	82.5	40.1	79 800				6.7
7.0	82.1	40.0	78 100				7.0
8.0	80.6	39.9	72 600	61 600	53 200		8.0
9.0	79.1	39.7	67 700	58 100	50 700	44 800	9.0
10.0	77.7	39.5	60 800	54 900	48 400	42 800	10.0
11.0	76.2	39.2	54 600	50 400	46 000	39 200	11.0
12.0	74.7	38.9	49 500	45 900	42 800	35 500	12.0
14.0	71.6	38.3	41 400	38 800	36 000	29 700	14.0
16.0	68.6	37.6	35 400	33 500	30 900	25 400	16.0
18.0	65.4	36.7	30 800	29 300	27 000	22 000	18.0
20.0	62.2	35.7	27 200	25 900	23 900	19 300	20.0
22.0	58.8	34.5	24 100	23 100	21 300	17 100	22.0
24.0	55.3	33.2	21 700	20 800	19 100	15 200	24.0
26.0	51.7	31.7	19 500	18 800	17 300	13 700	26.0
28.0	47.9	29.9	17 700	17 100	15 800	12 300	28.0
30.0	43.8	27.9	16 200	15 700	14 400	11 100	30.0
32.0	39.4	25.6	14 800	14 300	13 200	10 100	32.0
34.0	34.5	22.9	13 500	13 100	12 100	9 200	34.0
36.0	28.9	19.6	12 400	12 000	11 200	8 400	36.0
38.0	21.9	15.2	11 300	11 000	10 300	7 600	38.0
42.7m (140 Ft.) BOOM							
7.3	82.2	43.1	71 600				7.3
8.0	81.3	43.0	68 500	56 700			8.0
9.0	79.9	42.8	64 300	53 800	46 300		9.0
10.0	78.6	42.6	60 100	51 100	44 200	39 000	10.0
11.0	77.2	42.4	54 500	48 600	42 300	37 400	11.0
12.0	75.8	42.1	49 300	45 600	40 500	35 400	12.0
14.0	73.0	41.5	41 300	38 500	36 000	29 600	14.0
16.0	70.2	40.8	35 300	33 200	30 800	25 200	16.0
18.0	67.3	40.0	30 700	29 000	26 900	21 800	18.0
20.0	64.3	39.1	27 000	25 700	23 700	19 100	20.0
22.0	61.3	38.0	24 000	22 900	21 100	16 900	22.0
24.0	58.1	36.8	21 500	20 600	19 000	15 100	24.0
26.0	54.9	35.5	19 400	18 600	17 200	13 500	26.0
28.0	51.5	34.0	17 500	16 900	15 600	12 100	28.0
30.0	48.0	32.2	15 900	15 400	14 300	11 000	30.0
32.0	44.2	30.3	14 500	14 100	13 100	9 900	32.0
34.0	40.1	28.0	13 200	12 800	12 000	9 000	34.0
36.0	35.7	25.4	12 000	11 800	11 000	8 200	36.0
38.0	30.7	22.2	11 000	10 800	10 200	7 500	38.0
40.0	24.8	18.3	10 100	9 900	9 400	6 800	40.0



Liftcrane Boom Capacities

777 SERIES 1

Boom No. 78
47 630 kg Counterweight
Pedestal Mount
0 Degree thru 3 Degree Machine List
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
45.7m (150 Ft.) BOOM							
7.3	82.8	46.1	69 100				7.3
8.0	81.9	46.0	66 000	54 600			8.0
9.0	80.6	45.9	61 800	51 700			9.0
10.0	79.3	45.7	57 900	49 000	42 400	37 400	10.0
11.0	78.1	45.5	53 000	46 500	40 500	35 900	11.0
12.0	76.8	45.3	48 700	44 100	38 700	34 400	12.0
14.0	74.2	44.7	41 200	38 300	35 300	29 500	14.0
16.0	71.5	44.1	35 200	32 900	30 800	25 100	16.0
18.0	68.9	43.3	30 600	28 800	26 700	21 700	18.0
20.0	66.1	42.5	26 900	25 500	23 600	19 000	20.0
22.0	63.4	41.5	23 900	22 700	21 100	16 800	22.0
24.0	60.5	40.4	21 400	20 400	18 900	15 000	24.0
26.0	57.6	39.2	19 200	18 500	17 100	13 400	26.0
28.0	54.5	37.8	17 300	16 700	15 500	12 100	28.0
30.0	51.3	36.3	15 600	15 100	14 200	10 900	30.0
32.0	48.0	34.5	14 200	13 800	13 000	9 800	32.0
34.0	44.5	32.6	12 900	12 600	11 900	9 000	34.0
36.0	40.8	30.4	11 800	11 500	11 000	8 200	36.0
38.0	36.7	27.8	10 700	10 600	10 200	7 400	38.0
40.0	32.2	24.8	9 900	9 700	9 400	6 700	40.0
42.0	27.1	21.2	9 000	8 900	8 700	6 100	42.0
44.0	20.7	16.6	8 300	8 200	7 900	5 600	44.0
48.8m (160 Ft.) BOOM							
7.9	82.5	49.1	63 000				7.9
8.0	82.4	49.1	62 700				8.0
9.0	81.2	49.0	58 600	48 600			9.0
10.0	80.0	48.8	54 900	46 300	39 600		10.0
11.0	78.8	48.6	51 600	44 100	38 000	33 200	11.0
12.0	77.6	48.4	47 500	41 800	36 400	32 000	12.0
14.0	75.2	47.9	40 800	37 600	33 500	29 500	14.0
16.0	72.7	47.3	35 100	32 800	30 400	25 000	16.0
18.0	70.3	46.6	30 500	28 600	26 700	21 600	18.0
20.0	67.7	45.8	26 800	25 200	23 500	18 900	20.0
22.0	65.1	44.9	23 800	22 500	21 000	16 700	22.0
24.0	62.5	43.9	21 200	20 200	18 800	14 900	24.0
26.0	59.8	42.8	19 000	18 200	17 000	13 300	26.0
28.0	57.0	41.5	17 100	16 400	15 400	11 900	28.0
30.0	54.2	40.1	15 400	14 900	14 100	10 800	30.0
32.0	51.2	38.6	14 000	13 500	12 900	9 700	32.0
34.0	48.1	36.8	12 700	12 300	11 800	8 900	34.0
36.0	44.8	34.9	11 600	11 300	10 900	8 100	36.0
38.0	41.3	32.7	10 600	10 300	10 100	7 300	38.0
40.0	37.6	30.2	9 700	9 500	9 200	6 700	40.0
42.0	33.5	27.4	8 900	8 700	8 500	6 100	42.0
44.0	28.9	24.0	8 100	8 000	7 800	5 500	44.0
46.0	23.4	19.8	7 400	7 300	7 100	5 000	46.0



Liftcrane Boom Capacities

777 SERIES 1

Boom No. 78
47 630 kg Counterweight
Pedestal Mount
0 Degree thru 3 Degree Machine List
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
51.8m (170 Ft.) BOOM							
7.9	82.9	52.2	60 500				7.9
8.0	82.8	52.2	60 200				8.0
9.0	81.7	52.1	56 300				9.0
10.0	80.6	51.9	52 600	44 300	37 900		10.0
11.0	79.5	51.7	49 400	42 100	36 200	31 800	11.0
12.0	78.4	51.5	46 200	39 900	34 700	30 500	12.0
14.0	76.1	51.0	39 700	35 900	31 800	28 200	14.0
16.0	73.8	50.5	34 700	32 300	29 000	25 000	16.0
18.0	71.5	49.8	30 400	28 400	26 400	21 500	18.0
20.0	69.1	49.1	26 700	25 100	23 400	18 800	20.0
22.0	66.7	48.3	23 600	22 300	20 800	16 600	22.0
24.0	64.3	47.3	20 900	20 000	18 700	14 700	24.0
26.0	61.8	46.3	18 700	17 900	16 900	13 200	26.0
28.0	59.2	45.1	16 800	16 100	15 300	11 800	28.0
30.0	56.6	43.8	15 100	14 600	14 000	10 600	30.0
32.0	53.9	42.4	13 700	13 200	12 700	9 600	32.0
34.0	51.1	40.9	12 400	12 000	11 600	8 700	34.0
36.0	48.1	39.1	11 300	11 000	10 700	7 900	36.0
38.0	45.1	37.2	10 300	10 000	9 700	7 200	38.0
40.0	41.8	35.1	9 400	9 200	8 900	6 500	40.0
42.0	38.4	32.6	8 600	8 400	8 200	6 000	42.0
44.0	34.6	29.9	7 900	7 700	7 500	5 400	44.0
46.0	30.4	26.7	7 200	7 100	6 900	4 900	46.0
48.0	25.6	22.8	6 600	6 400	6 300	4 500	48.0
50.0	19.7	17.9	6 000	5 900	5 800	4 000	50.0



Liftcrane Boom Capacities

777 SERIES 1

Boom No. 78
47 630 kg Counterweight
Pedestal Mount
0 Degree thru 3 Degree Machine List
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	55.2	55 300				8.5
9.0	82.2	55.1	53 700				9.0
10.0	81.1	55.0	50 400	41 500			10.0
11.0	80.1	54.8	47 400	39 700	33 600		11.0
12.0	79.0	54.6	44 400	37 800	32 400	28 100	12.0
14.0	76.9	54.2	38 700	34 200	29 900	26 200	14.0
16.0	74.7	53.7	33 900	30 900	27 500	24 200	16.0
18.0	72.5	53.0	30 100	27 900	25 200	21 400	18.0
20.0	70.3	52.4	26 500	24 800	23 000	18 600	20.0
22.0	68.1	51.6	23 300	22 000	20 700	16 400	22.0
24.0	65.8	50.7	20 600	19 600	18 500	14 500	24.0
26.0	63.5	49.7	18 400	17 600	16 700	13 000	26.0
28.0	61.1	48.7	16 500	15 800	15 100	11 600	28.0
30.0	58.7	47.5	14 800	14 200	13 600	10 500	30.0
32.0	56.2	46.2	13 400	12 900	12 400	9 400	32.0
34.0	53.6	44.7	12 100	11 700	11 300	8 500	34.0
36.0	51.0	43.2	11 000	10 600	10 300	7 700	36.0
38.0	48.2	41.4	10 000	9 700	9 400	7 000	38.0
40.0	45.3	39.5	9 100	8 800	8 600	6 400	40.0
42.0	42.3	37.4	8 300	8 100	7 900	5 800	42.0
44.0	39.0	35.0	7 600	7 400	7 200	5 300	44.0
46.0	35.5	32.3	6 900	6 800	6 600	4 700	46.0
48.0	31.7	29.3	6 300	6 200	6 000	4 300	48.0
50.0	27.4	25.7	5 700	5 600	5 500	3 900	50.0
52.0	22.3	21.3	5 200	5 100	5 000	3 500	52.0



Liftcrane Boom Capacities

777 SERIES 1

Boom No. 78
47 630 kg Counterweight
Pedestal Mount
0 Degree thru 3 Degree Machine List
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	58.2	52 800				9.1
10.0	81.6	58.1	50 700	40 700			10.0
11.0	80.6	57.9	48 200	39 100	32 800		11.0
12.0	79.6	57.7	44 200	37 500	31 600	27 300	12.0
14.0	77.6	57.3	37 800	34 500	29 500	25 600	14.0
16.0	75.5	56.8	33 000	30 400	27 500	23 800	16.0
18.0	73.5	56.2	29 200	27 200	25 300	21 200	18.0
20.0	71.4	55.6	26 100	24 500	22 800	18 400	20.0
22.0	69.3	54.9	23 000	21 700	20 300	16 100	22.0
24.0	67.1	54.0	20 300	19 200	18 200	14 300	24.0
26.0	65.0	53.1	18 000	17 100	16 300	12 700	26.0
28.0	62.8	52.1	16 100	15 300	14 600	11 400	28.0
30.0	60.5	51.0	14 500	13 800	13 200	10 200	30.0
32.0	58.2	49.8	13 000	12 500	12 000	9 200	32.0
34.0	55.8	48.5	11 800	11 300	10 900	8 300	34.0
36.0	53.4	47.0	10 600	10 200	9 800	7 500	36.0
38.0	50.9	45.5	9 700	9 300	9 000	6 800	38.0
40.0	48.2	43.7	8 800	8 500	8 100	6 100	40.0
42.0	45.5	41.8	8 000	7 700	7 400	5 500	42.0
44.0	42.6	39.7	7 200	7 000	6 800	5 000	44.0
46.0	39.6	37.4	6 500	6 300	6 200	4 500	46.0
48.0	36.3	34.8	5 900	5 800	5 600	4 100	48.0
50.0	32.8	31.8	5 400	5 200	5 100	3 600	50.0
52.0	28.9	28.4	4 800	4 700	4 600	3 200	52.0
54.0	24.4	24.4	4 400	4 300	4 100	2 900	54.0
56.0	18.9	19.2	3 900	3 800	3 700	2 500	56.0



Liftcrane Boom Capacities

777 SERIES 1

Boom No. 78
47 630 kg Counterweight
Pedestal Mount
0 Degree thru 3 Degree Machine List
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	61.3	49 700				9.1
10.0	82.0	61.2	47 600				10.0
11.0	81.1	61.0	45 200	36 700			11.0
12.0	80.1	60.8	42 800	35 100	29 500		12.0
14.0	78.2	60.4	36 700	32 300	27 500	23 700	14.0
16.0	76.3	60.0	32 000	29 400	25 500	22 300	16.0
18.0	74.3	59.4	28 400	26 200	23 700	20 700	18.0
20.0	72.4	58.8	25 400	23 700	22 000	18 200	20.0
22.0	70.4	58.1	22 700	21 300	20 000	16 000	22.0
24.0	68.4	57.3	19 900	18 800	17 700	14 200	24.0
26.0	66.3	56.5	17 700	16 700	15 800	12 600	26.0
28.0	64.2	55.5	15 800	15 000	14 200	11 300	28.0
30.0	62.1	54.5	14 100	13 500	12 800	10 100	30.0
32.0	60.0	53.4	12 700	12 100	11 600	9 100	32.0
34.0	57.8	52.2	11 500	10 900	10 500	8 200	34.0
36.0	55.5	50.8	10 400	9 900	9 500	7 400	36.0
38.0	53.2	49.4	9 300	9 000	8 600	6 700	38.0
40.0	50.8	47.8	8 500	8 100	7 800	6 000	40.0
42.0	48.3	46.0	7 700	7 400	7 100	5 400	42.0
44.0	45.7	44.1	7 000	6 700	6 400	4 900	44.0
46.0	43.0	42.1	6 300	6 000	5 900	4 400	46.0
48.0	40.1	39.8	5 700	5 500	5 300	3 900	48.0
50.0	37.1	37.2	5 100	4 900	4 800	3 500	50.0
52.0	33.8	34.4	4 600	4 400	4 300	3 100	52.0
54.0	30.2	31.1	4 100	4 000	3 900	2 800	54.0
56.0	26.1	27.3	3 700	3 600	3 500	2 400	56.0
58.0	21.4	22.6	3 200	3 200	3 100	2 100	58.0



Liftcrane Boom Capacities

777 SERIES 1

Boom No. 78
47 630 kg Counterweight
Pedestal Mount
0 Degree thru 3 Degree Machine List
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	64.3	47 900				9.8
10.0	82.4	64.2	47 800				10.0
11.0	81.5	64.1	45 000	39 200			11.0
12.0	80.6	63.9	41 300	36 600	31 200		12.0
14.0	78.8	63.5	35 600	32 000	29 100	25 100	14.0
16.0	76.9	63.1	31 300	28 500	26 100	23 700	16.0
18.0	75.1	62.6	27 700	25 500	23 500	20 900	18.0
20.0	73.2	62.0	24 700	23 000	21 300	18 100	20.0
22.0	71.3	61.3	22 300	20 800	19 500	15 900	22.0
24.0	69.4	60.6	20 300	18 900	17 600	14 000	24.0
26.0	67.5	59.8	18 100	16 900	15 700	12 400	26.0
28.0	65.5	58.9	16 300	15 200	14 200	11 100	28.0
30.0	63.6	58.0	14 600	13 700	12 800	10 000	30.0
32.0	61.5	56.9	13 200	12 300	11 600	8 900	32.0
34.0	59.5	55.7	11 900	11 200	10 500	8 000	34.0
36.0	57.4	54.5	10 700	10 100	9 500	7 200	36.0
38.0	55.2	53.1	9 700	9 200	8 600	6 500	38.0
40.0	53.0	51.7	8 800	8 300	7 800	5 900	40.0
42.0	50.7	50.1	7 900	7 500	7 100	5 300	42.0
44.0	48.3	48.3	7 200	6 800	6 400	4 800	44.0
46.0	45.8	46.4	6 500	6 200	5 800	4 300	46.0
48.0	43.3	44.4	5 800	5 600	5 200	3 800	48.0
50.0	40.6	42.1	5 300	5 000	4 700	3 400	50.0
52.0	37.7	39.6	4 800	4 500	4 200	3 000	52.0
54.0	34.6	36.8	4 200	4 000	3 800	2 700	54.0
56.0	31.3	33.7	3 800	3 600	3 300	2 300	56.0
58.0	27.6	30.1	3 300	3 100	2 900	2 000	58.0
60.0	23.4	25.8	2 900	2 700	2 600		60.0
62.0	18.3	20.5	2 500	2 300	2 200		62.0