

1015

Liftcrane Boom Capacities

Boom No. 83
24 040 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.

Capacities indicated by (b) require 1 770 kg minimum weight.
Capacities indicated by (c) require 4 540 kg minimum weight.
Capacities indicated by (d) require 6 800 kg minimum weight.

To maintain boom and mast stability at high boom angles, a minimum of 4 parts hoist line is required for capacities denoted by (c) and (d).

Upper boom point operation not allowed on capacities denoted by (b), (c) or (d).

Upper boom point capacity for liftcrane service is 29 940 kg with single part 38 mm whip line. Upper boom point capacity for liftcrane service is 19 960 kg with single part 32 mm whip line or 29 940 kg with two part whip line. When boom butt mounted auxiliary drum equipped for 28 mm wire rope is used, capacity with single part whip line is 14 970 kg or 29 940 kg with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

Weight of upper boom point, 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, machine list not to exceed degrees noted and gantry up. Refer to boom rigging **No. A00005** and Wire Rope Specification chart **No. 8503-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 2 921 mm gantry, 7 620 mm live mast, 12 part boom hoist reeving, two 38 mm pendants and 24 040 kg counterweight.

Upper Boom Point Deduct

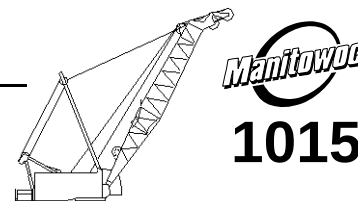
Deduct 590 kg from capacities when upper boom point is attached.

Auxiliary Drum Deduct

Deduct 910 kg from boom capacities when boom butt is equipped with auxiliary drum.

Maximum Boom Lengths Lifted Unassisted

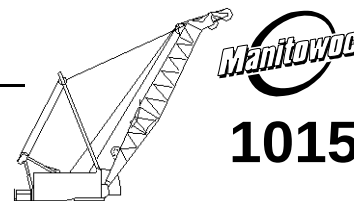
List	Boom Length
0 Degree	(a) 61.0m
1 Degree	(a) 61.0m
2 Degree	57.9m
3 Degree	54.9m
Load block, hook and weight ball on barge deck at start. (a) Upper boom point cannot be attached on 61.0m boom. Jib cannot be attached on machine while operating on a barge.	



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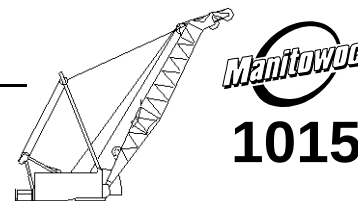
Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
15.2m (50 Ft.) Boom							
4.3	82.0	15.9	120 000 d	111 500 d			4.3
4.5	81.1	15.8	115 800 d	110 800 d			4.5
5.0	79.2	15.7	113 300 c	109 400 c	105 200 c	100 100 c	5.0
5.5	77.2	15.6	110 700 c	104 200 c	98 000 c	92 500 c	5.5
6.0	75.3	15.4	101 700 b	96 100 b	90 800 b	86 000 b	6.0
7.0	71.3	15.1	87 300 b	83 100 b	79 100 b	75 300 b	7.0
8.0	67.2	14.6	76 400	73 000	69 900	66 900	8.0
9.0	62.9	14.1	67 700	65 000	62 400	60 100	9.0
10.0	58.5	13.5	60 700	58 500	56 400	54 400	10.0
11.0	53.8	12.7	54 800	53 000	51 300	49 600	11.0
12.0	48.8	11.8	47 800	46 900	46 000	45 000	12.0
14.0	37.1	9.4	35 900	35 400	34 900	34 400	14.0
18.3m (60 Ft.) Boom							
4.6	82.4	18.9	115 600 d				4.6
5.0	81.0	18.8	114 500 c	109 900 c			5.0
5.5	79.4	18.7	110 400 c	103 000 c	96 200 c	90 300 c	5.5
6.0	77.8	18.6	101 400 b	95 100 b	89 200 b	83 900 b	6.0
7.0	74.5	18.3	87 100 b	82 300 b	77 700 b	73 500 b	7.0
8.0	71.2	17.9	76 200	72 400	68 700	65 400	8.0
9.0	67.8	17.5	67 500	64 500	61 500	58 800	9.0
10.0	64.3	17.0	60 500	58 000	55 600	53 300	10.0
11.0	60.7	16.5	54 700	52 600	50 600	48 700	11.0
12.0	56.9	15.8	49 800	48 100	46 400	44 700	12.0
14.0	48.8	14.1	39 800	38 900	38 200	37 400	14.0
16.0	39.4	11.9	31 400	30 900	30 400	29 900	16.0
18.0	27.1	8.5	24 400	24 200	23 900	23 700	18.0
21.3m (70 Ft.) Boom							
4.9	82.6	21.9	115 600 c				4.9
5.0	82.3	21.9	115 400 c				5.0
5.5	80.9	21.8	110 100 c	102 000 c	94 600 c		5.5
6.0	79.6	21.7	101 200 b	94 200 b	87 600 b		6.0
7.0	76.8	21.5	87 000 b	81 600 b	76 500 b	71 900 b	7.0
8.0	74.0	21.2	76 100	71 800	67 800	64 100	8.0
9.0	71.1	20.8	67 400	64 000	60 700	57 700	9.0
10.0	68.2	20.4	60 400	57 500	54 900	52 300	10.0
11.0	65.3	19.9	54 600	52 300	49 900	47 800	11.0
12.0	62.2	19.4	49 800	47 700	45 800	44 000	12.0
14.0	55.8	18.1	41 800	40 400	39 000	37 700	14.0
16.0	48.8	16.4	33 700	32 900	32 300	31 600	16.0
18.0	40.9	14.3	27 500	27 000	26 500	26 000	18.0
20.0	31.3	11.3	22 200	21 900	21 700	21 400	20.0


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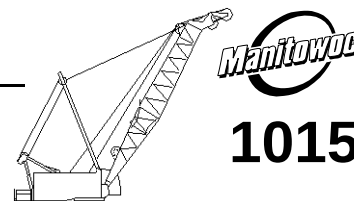
Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
24.4m (80 Ft.) Boom							
5.2	82.8	25.0	115 700 c				5.2
5.5	82.1	24.9	109 300 c				5.5
6.0	80.9	24.8	100 500 b	92 900 b			6.0
7.0	78.5	24.6	86 300 b	80 400 b	74 900 b	70 100 b	7.0
8.0	76.1	24.4	75 500	70 800	66 400	62 400	8.0
9.0	73.6	24.0	66 900	63 100	59 500	56 200	9.0
10.0	71.1	23.7	59 900	56 700	53 800	51 000	10.0
11.0	68.6	23.3	54 200	51 500	49 000	46 700	11.0
12.0	66.0	22.8	49 300	47 100	44 900	42 900	12.0
14.0	60.6	21.7	41 100	39 800	38 200	36 700	14.0
16.0	55.0	20.4	33 500	32 500	31 700	30 900	16.0
18.0	48.9	18.7	27 700	27 000	26 400	25 800	18.0
20.0	42.0	16.6	23 000	22 600	22 200	21 800	20.0
22.0	34.1	13.9	19 000	18 800	18 500	18 200	22.0
24.0	23.8	10.0	15 300	15 100	15 000	14 800	24.0
27.4m (90 Ft.) Boom							
5.5	83.0	28.0	89 800 c				5.5
6.0	81.9	27.9	89 800 b				6.0
7.0	79.8	27.7	84 900 b	71 600 b	61 800 b		7.0
8.0	77.6	27.5	75 200	68 100	59 100	52 200	8.0
9.0	75.5	27.2	66 600	62 700	56 700	50 300	9.0
10.0	73.3	26.9	59 700	56 300	53 200	48 400	10.0
11.0	71.1	26.6	54 000	51 000	48 300	45 800	11.0
12.0	68.8	26.2	49 100	46 600	44 300	42 100	12.0
14.0	64.2	25.2	41 400	39 500	37 800	36 200	14.0
16.0	59.4	24.1	34 600	33 500	32 400	31 200	16.0
18.0	54.3	22.7	28 700	27 900	27 100	26 400	18.0
20.0	48.9	21.0	24 100	23 600	23 000	22 500	20.0
22.0	42.9	19.0	20 400	19 900	19 500	19 100	22.0
24.0	36.1	16.4	17 100	16 800	16 600	16 300	24.0
26.0	27.8	13.0	14 100	14 000	13 800	13 600	26.0
30.5m (100 Ft.) Boom							
6.1	82.5	31.0	87 800 b				6.1
7.0	80.8	30.8	82 700 b	69 200 b			7.0
8.0	78.9	30.6	74 900	65 500	56 900	50 300	8.0
9.0	77.0	30.4	66 300	61 600	54 300	48 200	9.0
10.0	75.0	30.1	59 400	55 600	51 700	46 300	10.0
11.0	73.0	29.8	53 600	50 500	47 500	44 400	11.0
12.0	71.1	29.5	48 800	46 100	43 500	41 300	12.0
14.0	67.0	28.6	41 100	39 100	37 200	35 400	14.0
16.0	62.8	27.6	35 000	33 500	32 100	30 800	16.0
18.0	58.4	26.4	29 100	28 200	27 300	26 400	18.0
20.0	53.8	25.0	24 600	23 900	23 200	22 600	20.0
22.0	48.9	23.3	20 900	20 400	19 900	19 400	22.0
24.0	43.5	21.3	17 900	17 500	17 100	16 700	24.0
26.0	37.6	18.9	15 200	14 900	14 600	14 400	26.0
28.0	30.6	15.7	12 700	12 500	12 400	12 200	28.0
30.0	21.6	11.4	10 400	10 200	10 100	10 000	30.0



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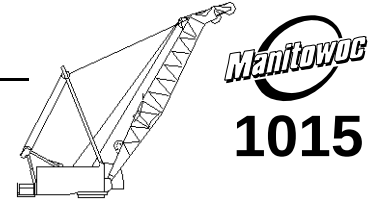
Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
33.5m (110 Ft.) Boom							
6.7	82.2	34.0	82 000 b				6.7
7.0	81.7	33.9	80 400 b				7.0
8.0	79.9	33.7	75 000	63 500	55 100		8.0
9.0	78.2	33.5	66 400	60 100	52 500	46 700	9.0
10.0	76.4	33.3	59 500	55 500	50 100	44 700	10.0
11.0	74.6	33.0	53 700	50 300	47 200	42 800	11.0
12.0	72.8	32.7	48 900	46 000	43 300	40 700	12.0
14.0	69.2	32.0	41 300	39 100	37 000	35 100	14.0
16.0	65.5	31.1	35 300	33 600	32 100	30 600	16.0
18.0	61.6	30.0	29 800	28 700	27 700	26 600	18.0
20.0	57.6	28.8	25 300	24 400	23 600	22 900	20.0
22.0	53.4	27.3	21 700	21 000	20 400	19 900	22.0
24.0	48.9	25.6	18 700	18 200	17 700	17 300	24.0
26.0	44.1	23.6	16 100	15 700	15 400	15 000	26.0
28.0	38.8	21.3	13 900	13 600	13 300	13 100	28.0
30.0	32.7	18.4	11 800	11 600	11 400	11 200	30.0
32.0	25.4	14.5	9 900	9 800	9 600	9 500	32.0
36.6m (120 Ft.) Boom							
6.7	82.8	37.1	79 300				6.7
7.0	82.4	37.0	77 700				7.0
8.0	80.8	36.9	72 500	61 100	53 100		8.0
9.0	79.2	36.7	66 200	57 700	50 400	44 900	9.0
10.0	77.6	36.4	59 100	54 400	48 000	42 800	10.0
11.0	76.0	36.2	53 400	49 800	45 700	41 000	11.0
12.0	74.3	35.9	48 600	45 500	42 600	39 200	12.0
14.0	71.0	35.2	40 900	38 600	36 400	34 400	14.0
16.0	67.6	34.4	35 100	33 300	31 600	30 000	16.0
18.0	64.2	33.5	30 000	28 700	27 400	26 300	18.0
20.0	60.6	32.4	25 400	24 500	23 600	22 700	20.0
22.0	56.9	31.1	21 800	21 100	20 400	19 700	22.0
24.0	53.0	29.6	18 900	18 300	17 700	17 200	24.0
26.0	48.9	27.9	16 400	15 900	15 500	15 100	26.0
28.0	44.5	26.0	14 200	13 900	13 500	13 200	28.0
30.0	39.7	23.7	12 300	12 000	11 700	11 500	30.0
32.0	34.4	20.9	10 500	10 300	10 100	9 900	32.0
34.0	28.1	17.4	8 900	8 700	8 600	8 500	34.0
36.0	20.0	12.7	7 200	7 100	7 000	7 000	36.0


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39.6m (130 Ft.) Boom							
7.3	82.5	40.1	59 800				7.3
8.0	81.5	40.0	59 800	49 200			8.0
9.0	80.0	39.8	58 500	47 400	39 800		9.0
10.0	78.5	39.6	55 600	45 700	38 500	33 200	10.0
11.0	77.1	39.3	52 700	44 000	37 300	32 300	11.0
12.0	75.6	39.1	48 400	42 400	36 100	31 300	12.0
14.0	72.5	38.4	40 700	38 300	33 900	29 600	14.0
16.0	69.5	37.7	34 900	32 900	31 200	27 900	16.0
18.0	66.3	36.8	30 400	28 800	27 300	25 900	18.0
20.0	63.1	35.9	26 000	24 900	23 900	22 900	20.0
22.0	59.8	34.7	22 300	21 400	20 600	19 800	22.0
24.0	56.3	33.4	19 200	18 600	17 900	17 300	24.0
26.0	52.7	31.9	16 700	16 200	15 700	15 200	26.0
28.0	48.9	30.2	14 600	14 100	13 700	13 300	28.0
30.0	44.9	28.3	12 700	12 300	12 000	11 700	30.0
32.0	40.5	26.0	11 000	10 700	10 400	10 200	32.0
34.0	35.7	23.4	9 400	9 200	9 100	8 800	34.0
36.0	30.2	20.1	8 000	7 900	7 700	7 600	36.0
38.0	23.6	16.0	6 600	6 500	6 400	6 300	38.0
42.7m (140 Ft.) Boom							
7.3	83.0	43.1	59 800				7.3
8.0	82.1	43.0	58 700				8.0
9.0	80.7	42.9	55 800	45 100			9.0
10.0	79.4	42.7	53 000	43 300	36 600	31 600	10.0
11.0	78.0	42.5	50 200	41 600	35 300	30 600	11.0
12.0	76.6	42.2	47 600	40 000	34 100	29 600	12.0
14.0	73.8	41.7	40 400	36 900	31 800	27 800	14.0
16.0	71.0	41.0	34 600	32 600	29 700	26 100	16.0
18.0	68.1	40.2	30 100	28 400	26 900	24 500	18.0
20.0	65.2	39.3	26 000	24 700	23 600	22 500	20.0
22.0	62.1	38.2	22 300	21 300	20 400	19 600	22.0
24.0	59.0	37.1	19 200	18 500	17 800	17 100	24.0
26.0	55.8	35.7	16 700	16 100	15 500	15 000	26.0
28.0	52.4	34.2	14 600	14 100	13 600	13 200	28.0
30.0	48.9	32.5	12 700	12 300	11 900	11 600	30.0
32.0	45.2	30.6	11 100	10 800	10 500	10 200	32.0
34.0	41.2	28.4	9 600	9 400	9 100	8 900	34.0
36.0	36.8	25.8	8 300	8 100	7 900	7 700	36.0
38.0	31.9	22.8	7 000	6 900	6 800	6 600	38.0
40.0	26.2	19.0	5 800	5 700	5 600	5 500	40.0
42.0	18.9	13.9	4 600	4 500	4 400	4 400	42.0

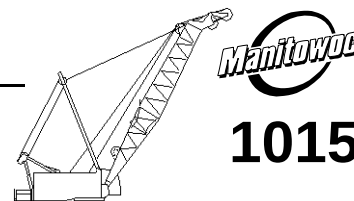


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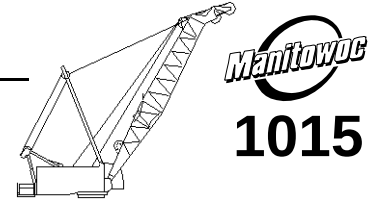
Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
45.7m (150 Ft.) Boom							
7.9	82.7	46.1	56 400				7.9
8.0	82.6	46.1	56 200				8.0
9.0	81.4	46.0	53 400	43 200			9.0
10.0	80.1	45.8	50 800	41 400	35 000		10.0
11.0	78.8	45.6	48 100	39 700	33 800	29 300	11.0
12.0	77.5	45.3	45 600	38 100	32 500	28 300	12.0
14.0	74.9	44.8	40 500	35 100	30 200	26 500	14.0
16.0	72.3	44.2	34 600	32 100	28 100	24 800	16.0
18.0	69.6	43.5	30 100	28 300	26 200	23 200	18.0
20.0	66.9	42.6	26 200	24 900	23 500	21 700	20.0
22.0	64.2	41.7	22 500	21 500	20 500	19 700	22.0
24.0	61.3	40.6	19 500	18 700	17 900	17 200	24.0
26.0	58.4	39.4	17 000	16 300	15 700	15 100	26.0
28.0	55.4	38.0	14 900	14 300	13 800	13 300	28.0
30.0	52.2	36.5	13 000	12 600	12 100	11 700	30.0
32.0	48.9	34.8	11 400	11 100	10 700	10 300	32.0
34.0	45.4	32.9	10 000	9 700	9 400	9 100	34.0
36.0	41.7	30.7	8 700	8 500	8 200	8 000	36.0
38.0	37.7	28.2	7 500	7 300	7 100	6 900	38.0
40.0	33.3	25.4	6 500	6 300	6 100	6 000	40.0
42.0	28.3	21.9	5 400	5 300	5 100	5 000	42.0
44.0	22.2	17.4	4 300	4 200	4 200	4 100	44.0
48.8m (160 Ft.) Boom							
8.5	82.5	49.1	52 100				8.5
9.0	81.9	49.0	50 900				9.0
10.0	80.7	48.9	48 300	39 300	33 300		10.0
11.0	79.5	48.7	45 800	37 600	32 000	27 900	11.0
12.0	78.3	48.5	43 400	36 100	30 800	26 800	12.0
14.0	75.9	48.0	38 900	33 100	28 500	25 000	14.0
16.0	73.5	47.4	34 400	30 400	26 400	23 200	16.0
18.0	71.0	46.7	29 700	27 700	24 500	21 600	18.0
20.0	68.5	46.0	26 000	24 500	22 600	20 200	20.0
22.0	65.9	45.1	22 500	21 300	20 400	18 800	22.0
24.0	63.3	44.1	19 400	18 500	17 700	17 000	24.0
26.0	60.6	43.0	16 900	16 200	15 500	14 800	26.0
28.0	57.8	41.7	14 800	14 200	13 600	13 100	28.0
30.0	55.0	40.4	13 000	12 500	12 000	11 500	30.0
32.0	52.0	38.8	11 400	11 000	10 600	10 200	32.0
34.0	48.9	37.1	10 000	9 600	9 300	9 000	34.0
36.0	45.7	35.2	8 700	8 400	8 100	7 900	36.0
38.0	42.2	33.1	7 600	7 400	7 100	6 900	38.0
40.0	38.5	30.7	6 500	6 300	6 100	5 900	40.0
42.0	34.5	27.9	5 600	5 400	5 200	5 100	42.0
44.0	30.0	24.6	4 600	4 500	4 400	4 300	44.0
46.0	24.7	20.6	3 700	3 600	3 500	3 400	46.0


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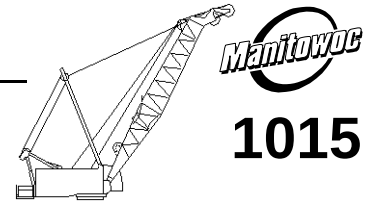
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51.8m (170 Ft.) Boom							
8.5	82.9	52.2	47 800				8.5
9.0	82.4	52.1	46 900				9.0
10.0	81.3	52.0	44 700	35 500			10.0
11.0	80.1	51.8	42 600	34 300	28 200		11.0
12.0	79.0	51.6	40 500	33 100	27 400	23 200	12.0
14.0	76.8	51.1	36 600	30 600	25 900	22 000	14.0
16.0	74.5	50.6	33 000	28 200	24 200	20 900	16.0
18.0	72.1	50.0	29 400	25 900	22 600	19 700	18.0
20.0	69.8	49.2	25 800	23 700	20 900	18 400	20.0
22.0	67.4	48.4	22 400	21 300	19 400	17 200	22.0
24.0	65.0	47.5	19 400	18 400	17 500	16 100	24.0
26.0	62.5	46.5	16 900	16 000	15 300	14 600	26.0
28.0	59.9	45.3	14 800	14 100	13 500	12 900	28.0
30.0	57.3	44.1	12 900	12 400	11 800	11 300	30.0
32.0	54.6	42.7	11 300	10 900	10 400	10 000	32.0
34.0	51.8	41.1	9 900	9 500	9 200	8 800	34.0
36.0	48.9	39.4	8 700	8 400	8 000	7 800	36.0
38.0	45.9	37.5	7 600	7 300	7 000	6 800	38.0
40.0	42.7	35.4	6 600	6 300	6 100	5 900	40.0
42.0	39.2	33.0	5 600	5 400	5 300	5 100	42.0
44.0	35.5	30.3	4 800	4 600	4 400	4 300	44.0
46.0	31.4	27.2	3 900	3 800	3 700	3 600	46.0
48.0	26.7	23.5	3 100	3 000	2 900	2 800	48.0
50.0	21.1	18.8	2 300	2 200	2 100	2 100	50.0
54.9m (180 Ft.) Boom							
9.1	82.7	55.2	44 000				9.1
10.0	81.8	55.1	42 300	33 400			10.0
11.0	80.7	54.9	40 400	32 300	26 500		11.0
12.0	79.6	54.7	38 400	31 100	25 700		12.0
14.0	77.5	54.3	34 600	28 700	24 200	20 500	14.0
16.0	75.3	53.8	31 200	26 400	22 600	19 300	16.0
18.0	73.2	53.2	28 100	24 200	21 000	18 200	18.0
20.0	71.0	52.5	25 400	22 200	19 400	17 000	20.0
22.0	68.7	51.7	22 400	20 300	17 900	15 900	22.0
24.0	66.5	50.9	19 200	18 200	16 500	14 700	24.0
26.0	64.1	49.9	16 800	15 900	15 100	13 600	26.0
28.0	61.8	48.8	14 600	13 900	13 200	12 500	28.0
30.0	59.4	47.7	12 800	12 200	11 600	11 100	30.0
32.0	56.9	46.4	11 200	10 700	10 200	9 800	32.0
34.0	54.3	45.0	9 800	9 400	9 000	8 600	34.0
36.0	51.7	43.4	8 600	8 200	7 900	7 500	36.0
38.0	48.9	41.7	7 500	7 200	6 900	6 600	38.0
40.0	46.1	39.8	6 500	6 200	6 000	5 700	40.0
42.0	43.0	37.8	5 600	5 400	5 100	4 900	42.0
44.0	39.8	35.4	4 700	4 600	4 400	4 200	44.0
46.0	36.4	32.8	4 000	3 800	3 600	3 500	46.0
48.0	32.6	29.8	3 200	3 100	3 000	2 800	48.0
50.0	28.4	26.3	2 500	2 400	2 300	2 200	50.0



Liftcrane Boom Capacities

Boom No. 83
24 040 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	Oper. Radius Meters
57.9m (190 Ft.) Boom						
9.8	82.4	58.2	29 900			9.8
10.0	82.2	58.2	29 900			10.0
11.0	81.2	58.0	29 900	27 100		11.0
12.0	80.2	57.8	29 900	26 200	22 100	12.0
14.0	78.2	57.4	28 500	24 200	20 800	14.0
16.0	76.1	56.9	25 800	22 300	19 300	16.0
18.0	74.1	56.4	23 400	20 500	18 000	18.0
20.0	72.0	55.7	21 300	18 800	16 700	20.0
22.0	69.9	55.0	19 300	17 300	15 400	22.0
24.0	67.8	54.2	17 600	15 800	14 200	24.0
26.0	65.6	53.3	16 000	14 500	13 100	26.0
28.0	63.4	52.3	14 600	13 300	12 000	28.0
30.0	61.1	51.2	12 900	12 100	11 100	30.0
32.0	58.8	50.0	11 300	10 700	10 100	32.0
34.0	56.5	48.7	9 900	9 500	9 000	34.0
36.0	54.0	47.3	8 700	8 300	7 900	36.0
38.0	51.5	45.7	7 600	7 300	6 900	38.0
40.0	48.9	44.0	6 600	6 300	6 000	40.0
42.0	46.2	42.2	5 700	5 400	5 200	42.0
44.0	43.4	40.1	4 900	4 600	4 500	44.0
46.0	40.4	37.8	4 100	3 900	3 800	46.0
48.0	37.1	35.2	3 400	3 300	3 100	48.0
50.0	33.7	32.3	2 700	2 600	2 500	50.0



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Liftcrane Boom Capacities

Boom No. 83
24 040 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
61.0m (200 Ft.) Boom				
10.4	82.2	61.2	29 900	
11.0	81.6	61.1	29 900	25 600
12.0	80.7	60.9	29 600	24 700
14.0	78.8	60.5	27 000	22 800
16.0	76.8	60.1	24 400	20 900
18.0	74.9	59.5	22 100	19 200
20.0	72.9	58.9	20 000	17 600
22.0	71.0	58.2	18 200	16 100
24.0	68.9	57.5	16 500	14 700
26.0	66.9	56.7	14 900	13 400
28.0	64.8	55.7	13 600	12 200
30.0	62.7	54.7	12 300	11 100
32.0	60.6	53.6	11 200	10 100
34.0	58.4	52.4	9 800	9 200
36.0	56.1	51.0	8 600	8 100
38.0	53.8	49.6	7 500	7 100
40.0	51.4	48.0	6 500	6 200
42.0	48.9	46.3	5 600	5 300
44.0	46.4	44.5	4 800	4 600
46.0	43.7	42.4	4 000	3 800
48.0	40.8	40.2	3 300	3 100
50.0	37.8	37.7	2 700	2 500