

# Liftcrane Boom Capacities

**Boom No. 83**  
**24 040 kg Counterweight**  
**7 163 mm Crawlers Extended**  
**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 (\*).

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 in a level position on a firm uniformly supporting surface with machine list not to exceed degrees noted and gantry up. Refer to boom rigging **No. A00005** and Wire Rope Specification chart **No. 8474-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 7 163 mm extendible crawlers, 1 000 mm treads, 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**

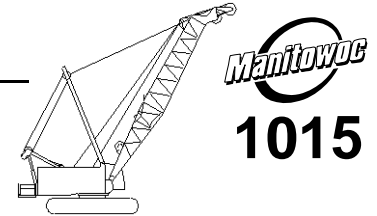
Deduct 590 kg from capacities when upper boom point is attached.

**Auxiliary Drum Deduct**

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

Maximum Boom Lengths Lifted Unassisted			
List	Over Front of Blocked Crawlers	Over Rear of Blocked Crawlers	Over Side of Extended Crawlers
	Boom Length	Boom Length	Boom Length
0 Degree	(a) 61.0m	54.9m	48.8m
1 Degree	(a) 61.0m	54.9m	48.8m
2 Degree	57.9m	54.9m	45.7m
3 Degree	54.9m	54.9m	45.7m

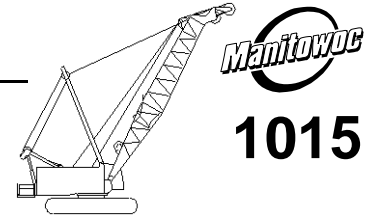
Load block, hook and weight ball on barge deck at start. (a) Upper boom point cannot be attached on 61.0m boom. Jib cannot be attached on crawler machine while operating on a barge.



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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
<b>15.2m (50 Ft.) Boom</b>							
4.3	82.0	17.5	120 000 *d	111 500 *d			4.3
4.5	75.3	17.5	115 800 *d	109 900 d			4.5
5.0	73.3	17.3	106 500 c	94 200 c	85 000 c	77 400 c	5.0
5.5	71.4	17.2	89 200 c	81 000 c	74 000 c	67 900 c	5.5
6.0	69.4	17.0	77 200 b	70 900 b	65 300 b	60 500 b	6.0
7.0	65.4	16.7	60 500 b	56 400 b	52 700 b	49 400 b	7.0
8.0	61.3	16.2	49 500	46 700	44 100	41 600	8.0
9.0	57.1	15.7	41 700	39 600	37 600	35 800	9.0
10.0	52.7	15.1	35 800	34 200	32 700	31 300	10.0
11.0	48.0	14.4	31 300	30 000	28 800	27 700	11.0
12.0	42.9	13.5	27 600	26 600	25 700	24 700	12.0
14.0	31.2	11.1	22 100	21 400	20 800	20 200	14.0
<b>18.3m (60 Ft.) Boom</b>							
4.6	82.4	20.5	115 600 *d				4.6
5.0	76.1	20.5	106 700 c	93 000 c			5.0
5.5	74.5	20.3	89 500 c	79 900 c	72 000 c	65 600 c	5.5
6.0	72.9	20.2	77 400 b	70 100 b	63 800 b	58 400 b	6.0
7.0	69.7	19.9	60 700 b	55 900 b	51 700 b	48 000 b	7.0
8.0	66.3	19.6	49 700	46 300	43 300	40 600	8.0
9.0	62.9	19.1	41 800	39 300	37 000	35 000	9.0
10.0	59.4	18.6	35 900	34 000	32 300	30 600	10.0
11.0	55.8	18.1	31 400	29 900	28 400	27 100	11.0
12.0	52.1	17.4	27 700	26 500	25 300	24 300	12.0
14.0	43.9	15.8	22 200	21 400	20 600	19 900	14.0
16.0	34.5	13.5	18 300	17 700	17 100	16 600	16.0
18.0	22.3	10.2	15 300	14 900	14 500	14 100	18.0
<b>21.3m (70 Ft.) Boom</b>							
4.9	82.6	23.6	110 700 c				4.9
5.0	78.1	23.5	106 100 c				5.0
5.5	76.8	23.5	89 600 c	78 800 c	70 300 c		5.5
6.0	75.4	23.4	77 500 b	69 200 b	62 300 b		6.0
7.0	72.6	23.1	60 700 b	55 300 b	50 600 b	46 600 b	7.0
8.0	69.8	22.8	49 700	45 900	42 500	39 500	8.0
9.0	67.0	22.5	41 800	39 000	36 400	34 100	9.0
10.0	64.1	22.0	36 000	33 800	31 800	29 900	10.0
11.0	61.1	21.6	31 400	29 700	28 100	26 600	11.0
12.0	58.1	21.0	27 800	26 300	25 000	23 800	12.0
14.0	51.7	19.7	22 300	21 300	20 400	19 500	14.0
16.0	44.7	18.1	18 400	17 600	17 000	16 400	16.0
18.0	36.8	15.9	15 400	14 900	14 400	13 900	18.0
20.0	27.2	12.9	13 000	12 700	12 300	12 000	20.0

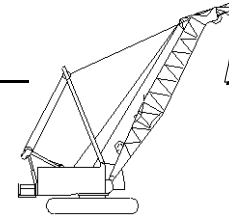


# Liftcrane Boom Capacities

**Boom No. 83**  
**24 040 kg Counterweight**  
**7 163 mm Crawlers Extended**  
**Crawler Machine on a Barge**  
**0 Degree thru 3 Degree Machine List**  
**No Travel - 360 Degree Rating**

**1015**

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
<b>24.4m (80 Ft.) Boom</b>							
5.2	82.8	26.6	98 800 c				5.2
5.5	78.4	26.5	89 200 c				5.5
6.0	77.2	26.5	77 100 b	68 000 b			6.0
7.0	74.8	26.2	60 400 b	54 300 b	49 300 b	45 100 b	7.0
8.0	72.4	26.0	49 400	45 100	41 400	38 200	8.0
9.0	70.0	25.7	41 500	38 400	35 600	33 100	9.0
10.0	67.5	25.3	35 700	33 200	31 000	29 000	10.0
11.0	64.9	24.9	31 100	29 200	27 400	25 800	11.0
12.0	62.4	24.5	27 500	25 900	24 500	23 100	12.0
14.0	57.0	23.4	22 000	20 900	19 900	18 900	14.0
16.0	51.3	22.0	18 100	17 300	16 600	15 800	16.0
18.0	45.2	20.4	15 200	14 600	14 000	13 500	18.0
20.0	38.4	18.3	12 900	12 500	12 000	11 600	20.0
22.0	30.4	15.5	11 100	10 700	10 400	10 000	22.0
24.0	20.1	11.6	9 500	9 300	9 000	8 800	24.0
<b>27.4m (90 Ft.) Boom</b>							
5.5	83.0	29.6	89 500 c				5.5
6.0	78.7	29.6	77 100 b				6.0
7.0	76.5	29.4	60 300 b	53 700 b	48 400 b		7.0
8.0	74.4	29.1	49 300	44 600	40 600	37 100	8.0
9.0	72.2	28.9	41 400	37 900	34 900	32 200	9.0
10.0	70.1	28.6	35 600	32 900	30 500	28 300	10.0
11.0	67.8	28.2	31 000	28 900	26 900	25 200	11.0
12.0	65.6	27.8	27 400	25 600	24 000	22 600	12.0
14.0	61.0	26.9	22 000	20 700	19 600	18 500	14.0
16.0	56.2	25.7	18 100	17 100	16 300	15 500	16.0
18.0	51.1	24.3	15 100	14 400	13 800	13 200	18.0
20.0	45.6	22.7	12 900	12 300	11 800	11 300	20.0
22.0	39.6	20.6	11 000	10 600	10 200	9 800	22.0
24.0	32.8	18.0	9 500	9 200	8 900	8 600	24.0
26.0	24.6	14.6	8 200	8 000	7 700	7 500	26.0
<b>30.5m (100 Ft.) Boom</b>							
6.1	82.5	32.6	75 100 b				6.1
7.0	77.9	32.5	60 300 b	53 300 b			7.0
8.0	76.0	32.3	49 200	44 100	39 800	36 100	8.0
9.0	74.1	32.0	41 300	37 500	34 200	31 400	9.0
10.0	72.1	31.7	35 500	32 500	29 900	27 600	10.0
11.0	70.1	31.4	30 900	28 600	26 400	24 500	11.0
12.0	68.1	31.1	27 300	25 400	23 600	22 000	12.0
14.0	64.1	30.3	21 800	20 400	19 200	18 100	14.0
16.0	59.9	29.3	17 900	16 900	16 000	15 100	16.0
18.0	55.5	28.1	15 000	14 200	13 500	12 800	18.0
20.0	50.9	26.6	12 700	12 100	11 500	11 000	20.0
22.0	46.0	25.0	10 900	10 400	9 900	9 500	22.0
24.0	40.6	22.9	9 400	9 000	8 600	8 300	24.0
26.0	34.7	20.5	8 100	7 800	7 500	7 200	26.0
28.0	27.7	17.4	7 100	6 800	6 500	6 300	28.0
30.0	18.7	13.0	6 100	5 900	5 700	5 500	30.0



**1015**

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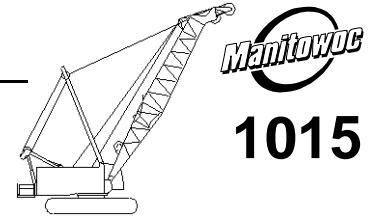
**7 163 mm Crawlers Extended**

**Crawler Machine on a Barge**

**0 Degree thru 3 Degree Machine List**

**No Travel - 360 Degree Rating**

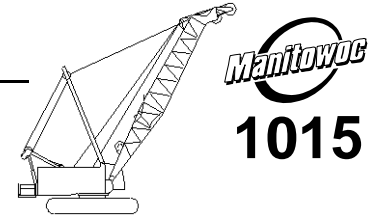
Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
<b>33.5m (110 Ft.) Boom</b>							
6.7	82.2	35.6	64 600 <b>b</b>				6.7
7.0	79.0	35.6	60 700 <b>b</b>				7.0
8.0	77.3	35.4	49 300	43 800	39 200		8.0
9.0	75.5	35.2	41 400	37 300	33 800	30 800	9.0
10.0	73.8	34.9	35 600	32 400	29 600	27 200	10.0
11.0	72.0	34.6	31 000	28 500	26 200	24 200	11.0
12.0	70.2	34.3	27 400	25 300	23 400	21 700	12.0
14.0	66.6	33.6	21 900	20 400	19 100	17 900	14.0
16.0	62.8	32.7	18 000	17 000	15 900	15 000	16.0
18.0	59.0	31.6	15 100	14 300	13 500	12 800	18.0
20.0	54.9	30.4	12 900	12 200	11 600	11 000	20.0
22.0	50.7	29.0	11 000	10 500	10 000	9 500	22.0
24.0	46.2	27.3	9 600	9 100	8 700	8 300	24.0
26.0	41.4	25.3	8 300	7 900	7 600	7 300	26.0
28.0	36.1	22.9	7 200	6 900	6 600	6 400	28.0
30.0	30.1	20.0	6 300	6 100	5 800	5 600	30.0
32.0	22.7	16.2	5 500	5 300	5 100	4 900	32.0
<b>36.6m (120 Ft.) Boom</b>							
6.7	82.8	38.7	64 600				6.7
7.0	79.9	38.7	60 600				7.0
8.0	78.3	38.5	49 300	43 300	38 500		8.0
9.0	76.8	38.3	41 400	36 900	33 200	30 000	9.0
10.0	75.1	38.1	35 500	32 000	29 000	26 500	10.0
11.0	73.5	37.8	30 900	28 200	25 700	23 600	11.0
12.0	71.9	37.5	27 300	25 000	23 000	21 200	12.0
14.0	68.6	36.8	21 800	20 200	18 700	17 400	14.0
16.0	65.2	36.0	17 900	16 700	15 600	14 600	16.0
18.0	61.8	35.1	15 000	14 100	13 200	12 400	18.0
20.0	58.2	34.0	12 700	12 000	11 300	10 700	20.0
22.0	54.5	32.7	10 900	10 300	9 800	9 200	22.0
24.0	50.6	31.3	9 400	8 900	8 500	8 000	24.0
26.0	46.5	29.6	8 200	7 700	7 300	7 000	26.0
28.0	42.1	27.6	7 100	6 800	6 400	6 100	28.0
30.0	37.3	25.3	6 100	5 900	5 600	5 400	30.0
32.0	31.9	22.5	5 300	5 100	4 900	4 700	32.0
34.0	25.7	19.1	4 600	4 500	4 300	4 100	34.0
36.0	17.6	14.3	4 000	3 900	3 700	3 600	36.0



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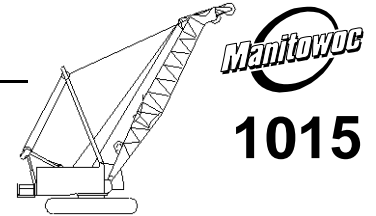
Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
<b>39.6m (130 Ft.) Boom</b>							
7.3	82.5	41.7	56 300				7.3
8.0	79.3	41.6	49 100	42 800			8.0
9.0	77.8	41.4	41 200	36 500	32 600		9.0
10.0	76.3	41.2	35 300	31 700	28 500	25 800	10.0
11.0	74.8	41.0	30 800	27 800	25 300	23 000	11.0
12.0	73.3	40.7	27 100	24 700	22 600	20 700	12.0
14.0	70.3	40.1	21 600	19 900	18 400	17 000	14.0
16.0	67.2	39.3	17 700	16 500	15 300	14 300	16.0
18.0	64.1	38.5	14 800	13 800	12 900	12 100	18.0
20.0	60.8	37.5	12 500	11 800	11 000	10 400	20.0
22.0	57.5	36.3	10 700	10 100	9 500	8 900	22.0
24.0	54.1	35.0	9 200	8 700	8 200	7 800	24.0
26.0	50.5	33.6	8 000	7 600	7 200	6 800	26.0
28.0	46.7	31.9	6 900	6 600	6 200	5 900	28.0
30.0	42.6	29.9	6 000	5 700	5 400	5 200	30.0
32.0	38.3	27.7	5 200	5 000	4 700	4 500	32.0
34.0	33.5	25.0	4 600	4 300	4 100	3 900	34.0
36.0	28.0	21.8	3 900	3 700	3 500	3 400	36.0
38.0	21.3	17.6	3 300	3 200	3 100	2 900	38.0
<b>42.7m (140 Ft.) Boom</b>							
7.3	83.0	44.8	56 200				7.3
8.0	80.0	44.7	49 000				8.0
9.0	78.7	44.5	41 100	36 100			9.0
10.0	77.3	44.3	35 200	31 300	28 000	25 200	10.0
11.0	75.9	44.1	30 600	27 500	24 800	22 500	11.0
12.0	74.5	43.8	27 000	24 400	22 100	20 200	12.0
14.0	71.7	43.3	21 500	19 600	18 000	16 600	14.0
16.0	68.9	42.6	17 600	16 200	15 000	13 900	16.0
18.0	66.0	41.8	14 600	13 600	12 600	11 700	18.0
20.0	63.1	40.9	12 400	11 500	10 800	10 100	20.0
22.0	60.1	39.9	10 500	9 900	9 200	8 600	22.0
24.0	56.9	38.7	9 100	8 500	8 000	7 500	24.0
26.0	53.7	37.4	7 800	7 300	6 900	6 500	26.0
28.0	50.4	35.9	6 700	6 400	6 000	5 600	28.0
30.0	46.8	34.2	5 900	5 500	5 200	4 900	30.0
32.0	43.1	32.2	5 000	4 800	4 500	4 200	32.0
34.0	39.1	30.0	4 400	4 100	3 900	3 600	34.0
36.0	34.7	27.5	3 700	3 500	3 300	3 100	36.0
38.0	29.8	24.4	3 200	3 000	2 800	2 700	38.0
40.0	24.1	20.7	2 700	2 500	2 400	2 200	40.0
42.0	16.8	15.6	2 200	2 100	1 900		42.0



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<b>45.7m (150 Ft.) Boom</b>							
7.9	82.7	47.8	49 800				7.9
8.0	80.7	47.7	49 100				8.0
9.0	79.4	47.6	41 100	35 800			9.0
10.0	78.2	47.4	35 200	31 000	27 600		10.0
11.0	76.9	47.2	30 600	27 300	24 500	22 100	11.0
12.0	75.6	47.0	27 000	24 200	21 900	19 800	12.0
14.0	73.0	46.5	21 500	19 600	17 900	16 300	14.0
16.0	70.4	45.8	17 600	16 100	14 900	13 700	16.0
18.0	67.7	45.1	14 600	13 500	12 500	11 600	18.0
20.0	65.0	44.3	12 400	11 500	10 700	9 900	20.0
22.0	62.2	43.3	10 600	9 900	9 200	8 500	22.0
24.0	59.4	42.2	9 100	8 500	7 900	7 400	24.0
26.0	56.4	41.0	7 800	7 300	6 800	6 400	26.0
28.0	53.4	39.7	6 800	6 400	6 000	5 600	28.0
30.0	50.3	38.2	5 900	5 500	5 200	4 800	30.0
32.0	47.0	36.5	5 100	4 800	4 500	4 200	32.0
34.0	43.5	34.5	4 400	4 100	3 900	3 600	34.0
36.0	39.8	32.4	3 800	3 500	3 300	3 100	36.0
38.0	35.8	29.9	3 200	3 100	2 800	2 700	38.0
40.0	31.4	27.0	2 800	2 600	2 400	2 200	40.0
42.0	26.3	23.5	2 300	2 100	2 000		42.0
44.0	20.2	19.0	1 900				44.0
<b>48.8m (160 Ft.) Boom</b>							
8.5	82.5	50.7	44 400				8.5
9.0	80.1	50.7	41 100				9.0
10.0	78.9	50.5	35 100	30 700	27 100		10.0
11.0	77.7	50.3	30 500	27 000	24 000	21 600	11.0
12.0	76.5	50.1	26 800	23 900	21 500	19 400	12.0
14.0	74.1	49.6	21 300	19 300	17 500	15 900	14.0
16.0	71.6	49.0	17 400	15 900	14 500	13 300	16.0
18.0	69.2	48.4	14 500	13 300	12 300	11 300	18.0
20.0	66.6	47.6	12 200	11 300	10 400	9 600	20.0
22.0	64.1	46.7	10 400	9 600	8 900	8 300	22.0
24.0	61.4	45.7	8 900	8 300	7 700	7 100	24.0
26.0	58.8	44.6	7 700	7 100	6 600	6 200	26.0
28.0	56.0	43.4	6 600	6 100	5 700	5 300	28.0
30.0	53.1	42.0	5 700	5 300	4 900	4 600	30.0
32.0	50.2	40.5	4 900	4 600	4 300	3 900	32.0
34.0	47.1	38.8	4 200	3 900	3 600	3 400	34.0
36.0	43.9	36.9	3 600	3 400	3 100	2 800	36.0
38.0	40.4	34.7	3 100	2 800	2 600	2 400	38.0
40.0	36.7	32.3	2 600	2 400	2 200	2 000	40.0
42.0	32.7	29.5	2 100	1 900			42.0

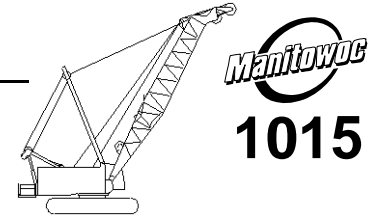


# Liftcrane Boom Capacities

**Boom No. 83**  
**24 040 kg Counterweight**  
**7 163 mm Crawlers Extended**  
**Crawler Machine on a Barge**  
**0 Degree thru 3 Degree Machine List**  
**No Travel - 360 Degree Rating**

**1015**

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
<b>51.8m (170 Ft.) Boom</b>							
8.5	82.9	53.8	44 300				8.5
9.0	80.7	53.8	40 900				9.0
10.0	79.6	53.6	35 000	30 300			10.0
11.0	78.4	53.4	30 400	26 600	23 600		11.0
12.0	77.3	53.2	26 700	23 600	21 100	18 900	12.0
14.0	75.0	52.8	21 200	19 000	17 100	15 500	14.0
16.0	72.7	52.2	17 300	15 600	14 200	13 000	16.0
18.0	70.4	51.6	14 300	13 100	11 900	11 000	18.0
20.0	68.1	50.9	12 000	11 100	10 100	9 300	20.0
22.0	65.7	50.0	10 200	9 400	8 700	8 000	22.0
24.0	63.3	49.1	8 700	8 100	7 400	6 900	24.0
26.0	60.8	48.1	7 500	6 900	6 400	5 900	26.0
28.0	58.2	47.0	6 400	5 900	5 500	5 100	28.0
30.0	55.6	45.7	5 500	5 100	4 700	4 300	30.0
32.0	52.9	44.3	4 800	4 400	4 000	3 700	32.0
34.0	50.1	42.8	4 100	3 800	3 400	3 100	34.0
36.0	47.2	41.1	3 400	3 200	2 900	2 700	36.0
38.0	44.2	39.2	2 900	2 700	2 400	2 200	38.0
40.0	40.9	37.0	2 400	2 200	2 000		40.0
42.0	37.5	34.7	2 000				42.0
<b>54.9m (180 Ft.) Boom</b>							
9.1	82.7	56.8	39 800				9.1
10.0	80.1	56.7	34 800	30 000			10.0
11.0	79.1	56.5	30 200	26 300	23 200		11.0
12.0	78.0	56.3	26 500	23 300	20 700		12.0
14.0	75.9	55.9	21 000	18 700	16 800	15 100	14.0
16.0	73.7	55.4	17 100	15 400	13 900	12 600	16.0
18.0	71.5	54.8	14 100	12 800	11 700	10 600	18.0
20.0	69.3	54.1	11 900	10 800	9 900	9 000	20.0
22.0	67.1	53.3	10 000	9 200	8 400	7 700	22.0
24.0	64.8	52.5	8 600	7 800	7 200	6 600	24.0
26.0	62.5	51.5	7 300	6 700	6 100	5 600	26.0
28.0	60.2	50.5	6 200	5 700	5 200	4 800	28.0
30.0	57.7	49.3	5 300	4 900	4 500	4 100	30.0
32.0	55.3	48.0	4 500	4 200	3 800	3 400	32.0
34.0	52.7	46.6	3 900	3 500	3 200	2 900	34.0
36.0	50.1	45.1	3 200	3 000	2 700	2 400	36.0
38.0	47.3	43.4	2 700	2 400	2 200	2 000	38.0
40.0	44.4	41.5	2 200	2 000			40.0



# Liftcrane Boom Capacities

**Boom No. 83**  
**24 040 kg Counterweight**  
**7 163 mm Crawlers Extended**  
**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	Oper. Radius Meters
<b>57.9m (190 Ft.) Boom</b>						
9.8	82.4	59.8	29 900 *			9.8
10.0	80.7	59.8	29 900 *			10.0
11.0	79.7	59.6	29 800	26 100		11.0
12.0	78.7	59.4	26 500	23 100	20 400	12.0
14.0	76.6	59.0	21 000	18 600	16 600	14.0
16.0	74.6	58.5	17 000	15 300	13 700	16.0
18.0	72.5	58.0	14 100	12 700	11 500	18.0
20.0	70.5	57.3	11 800	10 700	9 700	20.0
22.0	68.4	56.6	10 000	9 100	8 300	22.0
24.0	66.2	55.8	8 500	7 700	7 100	24.0
26.0	64.1	54.9	7 200	6 600	6 000	26.0
28.0	61.9	53.9	6 200	5 700	5 200	28.0
30.0	59.6	52.9	5 300	4 800	4 400	30.0
32.0	57.3	51.7	4 500	4 100	3 700	32.0
34.0	54.9	50.4	3 800	3 500	3 100	34.0
36.0	52.5	48.9	3 200	2 900	2 600	36.0
38.0	50.0	47.4	2 700	2 400	2 200	38.0
40.0	47.4	45.7	2 200			40.0

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms
<b>61.0m (200 Ft.) Boom</b>				
10.4	82.2	62.8	29 900 *	
11.0	80.2	62.7	29 800	25 900
12.0	79.2	62.5	26 400	22 800
14.0	77.3	62.2	20 800	18 300
16.0	75.4	61.7	16 900	15 000
18.0	73.4	61.2	14 000	12 500
20.0	71.5	60.6	11 700	10 500
22.0	69.5	59.9	9 800	8 900
24.0	67.5	59.1	8 300	7 500
26.0	65.4	58.3	7 100	6 400
28.0	63.4	57.3	6 000	5 400
30.0	61.3	56.3	5 100	4 600
32.0	59.1	55.2	4 400	3 900
34.0	56.9	54.0	3 600	3 300
36.0	54.7	52.7	3 000	2 700
38.0	52.3	51.2	2 500	2 200
40.0	50.0	49.7	2 000	