

# Liftcrane Boom Capacities

**Boom No. 84**  
**44 680 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**

<b>European Standards</b> <b>14 m/s Maximum Wind</b> <b>thru 45,7m Boom</b> <b>10 m/s with 48,8m thru 64,0m Boom</b> <b>7 m/s with 67,1m thru 76,2m Boom</b>
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## 555 SERIES 2

**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 are calculated to comply with EN 13000, ISO 4305 and include factors based on a 4.0 degree tipping angle. Capacities based on structural competence are denoted by an asterisk (\*). Capacities indicated by (b) require 4540 kg minimum weight. *To maintain boom and mast stability at high boom angles, a minimum of 4 parts hoist line is required when using rear drum on 15,2m thru 21,3m boom lengths.*

Upper boom point capacity for liftcrane service with single part whip line is 13 610 kg or 27 220 kg with two part whip line. When boom butt mounted auxiliary drum equipped for 26 mm wire rope 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 upper boom point, all load blocks, hooks, weight ball, slings, etc., beneath boom point sheaves, is considered part of main boom load. Reeved hoist line included in boom weight. 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 with machine list not to exceed degrees noted. Refer to boom rigging **No. A00952** and Wire Rope Specification chart **No. 8444-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 Operator's Manual for operating guidelines.

**WIND CONDITIONS:** Machine may be operated in winds stated in maximum wind speed table provided crane operator judgment is used to allow for wind effect on lifted load and other considerations noted on capacity chart are followed. Wind will have a considerable effect on load. Loads must be compensated for accordingly by reducing load ratings, reducing operating speeds, or by a combination of both. Recommend stopping operation and positioning boom at 68 degrees when wind exceeds conditions stated in column A. Lower boom to ground when wind is above 22 m/s (column B).

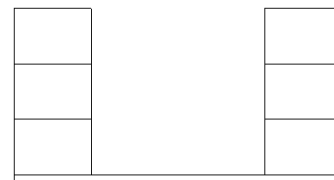
**OPERATING RADIUS:** Operating radius is horizontal distance from axis of rotation at barge deck to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

**BOOM POINT ELEVATION:** Boom point elevation is vertical distance from barge deck to centerline of boom point shaft.

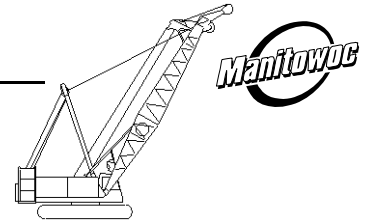
**MACHINE EQUIPMENT:** Machine equipped with 7 264 mm crawlers, 1 219 mm treads, 7 010 mm live mast, 16 part boom hoist reeving, boom support straps, rotating bed No. A01066<sup>1</sup> or No. A03188 (refer to I.D. plate at front of rotating bed), 44 680 kg crane counterweight and two 9 980 kg carbody counterweights.

<sup>1</sup>**WARNING:** 570 kg front counterweight is required for cranes with rotating bed No. A01066 that do not have free-fall option. Counterweight can be removed only if crane has free-fall option on both front and rear drums.

Maximum Wind Speeds		
Boom Lengths	A Working Wind	B Lower To Ground
15,2m - 45,7m	14 m/s	22 m/s
48,8m - 64,0m	10 m/s	22 m/s
67,1m - 76,2m	7 m/s	22 m/s



44 680 kg Crane Counterweight  
6 Side Boxes



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## 555 SERIES 2

Maximum Boom Lengths Lifted Unassisted		
List	Over End of Blocked Crawlers	Over Side of Crawlers
	Boom Length	Boom Length
0 Degree	(a,b) 76,2m (b) 73,2m	(b) 67,1m 64,0m
1 Degree	70,1m	61,0m
2 Degree	64,0m	61,0m
3 Degree	57,9m	57,9m

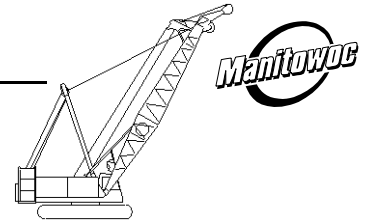
Load block, hook and weight ball on barge deck at start.  
 (a) Upper boom point cannot be attached. (b) Upper wire rope guide (No. A04352) for third line cannot be attached.  
 Jib cannot be attached on crawler machine while operating on a barge.

**Upper Boom Point Deduct**  
 Deduct 500 kg from capacities when upper boom point is attached.

**Wire Rope Guide Deduct**  
 (For Third Line)  
 Deduct 270 kg from boom capacities when upper wire rope guide (No. A04352) for third line is attached.

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>							
4,6	80,6	16,8	135 500 *b	114 500 *b	92 900 *b		4,6
5,0	78,9	16,7	124 500 *b	104 500 *b	84 700 *b	74 500 *b	5,0
5,5	77,0	16,6	113 700 *b	94 700 *b	76 600 *b	67 300 *b	5,5
6,0	75,0	16,4	104 500 *b	86 600 *b	69 900 *b	61 300 *b	6,0
7,0	71,1	16,1	89 300 b	73 800 *b	59 300 *b	51 900 *b	7,0
8,0	67,0	15,6	74 900	64 200 *	51 400 *	44 900 *	8,0
9,0	62,7	15,1	62 500	56 800 *	45 300 *	39 400 *	9,0
10,0	58,3	14,5	53 500	50 800	40 400 *	35 000 *	10,0
11,0	53,7	13,8	46 600	44 900	36 400 *	31 400 *	11,0
12,0	48,7	12,9	41 100	39 800	33 000 *	28 400 *	12,0
13,0	43,3	11,9	36 700	35 600	30 100 *	25 800 *	13,0
14,0	37,2	10,6	33 000	32 200	27 700 *	23 700 *	14,0
15,0	30,0	9,0	29 900	29 300	25 600 *	21 800 *	15,0

Capacities based on structural competence are denoted by an asterisk (\*).  
 Capacities indicated by (b) require 4 540 kg minimum weight.



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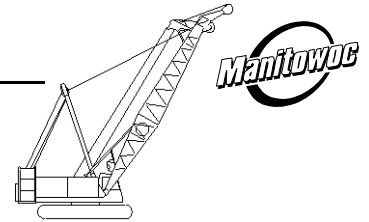
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**7 m/s with 67,1m thru 76,2m Boom**

## 555 SERIES 2

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>18,3m (60 Ft.) Boom</b>							
4,6	82,2	19,9	135 400 *b				4,6
5,0	80,8	19,8	124 400 *b	104 500 *b			5,0
5,5	79,2	19,7	113 600 *b	94 700 *b	76 600 *b	62 100 *b	5,5
6,0	77,6	19,6	104 100 b	86 500 *b	69 900 *b	60 800 *b	6,0
7,0	74,3	19,3	85 900 b	73 800 *b	59 300 *b	51 900 *b	7,0
8,0	71,0	19,0	72 800	64 200 *	51 500 *	44 800 *	8,0
9,0	67,6	18,5	62 600	56 800 *	45 300 *	39 400 *	9,0
10,0	64,2	18,1	53 600	50 700	40 400 *	35 000 *	10,0
11,0	60,6	17,5	46 700	44 700	36 300 *	31 400 *	11,0
12,0	56,8	16,8	41 200	39 600	33 000 *	28 400 *	12,0
13,0	52,9	16,1	36 800	35 500	30 100 *	25 900 *	13,0
14,0	48,8	15,2	33 200	32 100	27 700 *	23 700 *	14,0
15,0	44,3	14,2	30 100	29 200	25 600 *	21 800 *	15,0
16,0	39,5	13,0	27 500	26 800	23 700 *	20 200 *	16,0
18,0	27,5	9,8	23 200	22 800	20 700 *	17 400 *	18,0
<b>21,3m (70 Ft.) Boom</b>							
4,9	82,5	22,9	125 800 *b				4,9
5,0	82,1	22,9	123 200 b				5,0
5,5	80,8	22,8	111 000 b	94 600 *b	76 700 *b		5,5
6,0	79,4	22,7	99 700 b	86 400 *b	69 700 *b	59 500 *b	6,0
7,0	76,6	22,5	82 600 b	73 700 *b	59 200 *b	51 800 *b	7,0
8,0	73,8	22,2	70 400	64 100 *	51 300 *	44 700 *	8,0
9,0	71,0	21,8	61 100	56 700 *	45 200 *	39 200 *	9,0
10,0	68,1	21,4	53 600	50 500	40 300 *	34 900 *	10,0
11,0	65,1	21,0	46 700	44 300	36 200 *	31 300 *	11,0
12,0	62,1	20,4	41 200	39 400	32 900 *	28 300 *	12,0
13,0	59,0	19,8	36 800	35 200	30 000 *	25 800 *	13,0
14,0	55,7	19,2	33 100	31 900	27 600 *	23 600 *	14,0
15,0	52,3	18,4	30 000	29 000	25 500 *	21 700 *	15,0
16,0	48,8	17,5	27 400	26 500	23 600 *	20 100 *	16,0
18,0	41,0	15,4	23 200	22 600	20 600 *	17 400 *	18,0
20,0	31,5	12,5	20 000	19 500	18 200 *	15 200 *	20,0

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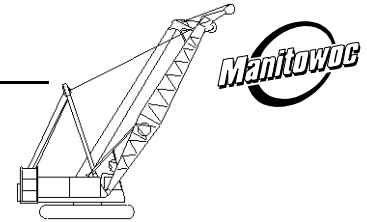
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Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
<b>24,4m (80 Ft.) Boom</b>							
5,2	82,7	26,0	113 700 <b>b</b>				5,2
5,5	81,9	25,9	105 900 <b>b</b>	94 800 * <b>b</b>			5,5
6,0	80,7	25,8	95 500 <b>b</b>	86 400 * <b>b</b>			6,0
7,0	78,3	25,6	79 700 <b>b</b>	73 500 <b>b</b>	59 200 * <b>b</b>	51 800 * <b>b</b>	7,0
8,0	75,9	25,4	68 100	63 400	51 300 *	44 700 *	8,0
9,0	73,5	25,1	59 400	55 600	45 200 *	39 200 *	9,0
10,0	71,0	24,7	52 400	49 400	40 200 *	34 800 *	10,0
11,0	68,5	24,3	46 800	44 100	36 200 *	31 200 *	11,0
12,0	65,9	23,9	41 300	39 100	32 900 *	28 300 *	12,0
13,0	63,2	23,4	36 800	35 000	30 000 *	25 700 *	13,0
14,0	60,5	22,8	33 200	31 700	27 600 *	23 600 *	14,0
15,0	57,8	22,2	30 100	28 900	25 500 *	21 700 *	15,0
16,0	54,9	21,5	27 500	26 400	23 600 *	20 100 *	16,0
18,0	48,8	19,8	23 200	22 500	20 600 *	17 300 *	18,0
20,0	42,1	17,8	20 000	19 400	18 200 *	15 200 *	20,0
22,0	34,2	15,1	17 400	17 000	16 200 *	13 400 *	22,0
24,0	24,2	11,3	15 300	15 000	14 500 *	11 900 *	24,0
<b>27,4m (90 Ft.) Boom</b>							
5,5	82,9	29,0	101 300 <b>b</b>				5,5
6,0	81,8	28,9	91 400 <b>b</b>				6,0
7,0	79,7	28,7	76 700 <b>b</b>	70 200 <b>b</b>	59 100 * <b>b</b>		7,0
8,0	77,5	28,5	65 800	60 900	51 100 *	44 400 *	8,0
9,0	75,4	28,2	57 500	53 600	44 900 *	39 000 *	9,0
10,0	73,2	27,9	50 900	47 700	40 100 *	34 600 *	10,0
11,0	71,0	27,6	45 500	42 900	36 000 *	31 100 *	11,0
12,0	68,7	27,2	41 000	38 700	32 700 *	28 100 *	12,0
13,0	66,4	26,8	36 800	34 700	29 800 *	25 600 *	13,0
14,0	64,1	26,3	33 000	31 300	27 400 *	23 400 *	14,0
15,0	61,8	25,7	29 900	28 500	25 300 *	21 500 *	15,0
16,0	59,3	25,1	27 200	26 100	23 500 *	19 900 *	16,0
18,0	54,3	23,8	23 000	22 100	20 400 *	17 200 *	18,0
20,0	48,8	22,1	19 800	19 100	18 000 *	15 000 *	20,0
22,0	42,9	20,1	17 200	16 700	16 000 *	13 200 *	22,0
24,0	36,2	17,6	15 100	14 700	14 300	11 800 *	24,0
26,0	28,0	14,2	13 400	13 100	12 800	10 500 *	26,0

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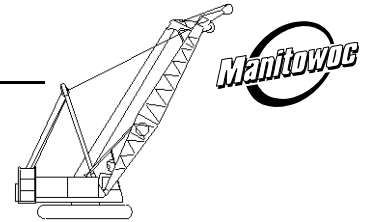
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<b>30,5m (100 Ft.) Boom</b>							
5,8	83,0	32,0	91 400 <b>b</b>				5,8
6,0	82,6	32,0	88 000 <b>b</b>				6,0
7,0	80,7	31,8	74 100 <b>b</b>	67 600 <b>b</b>			7,0
8,0	78,8	31,6	63 900	58 700	51 100 *	44 500 *	8,0
9,0	76,9	31,4	56 000	51 900	45 000 *	39 000 *	9,0
10,0	74,9	31,1	49 600	46 300	40 100 *	34 700 *	10,0
11,0	72,9	30,8	44 500	41 700	36 000 *	31 100 *	11,0
12,0	71,0	30,5	40 300	37 900	32 700 *	28 100 *	12,0
13,0	68,9	30,1	36 500	34 400	29 900 *	25 500 *	13,0
14,0	66,9	29,7	33 100	31 200	27 500 *	23 400 *	14,0
15,0	64,8	29,2	30 000	28 400	25 400 *	21 500 *	15,0
16,0	62,7	28,7	27 300	26 000	23 500 *	19 900 *	16,0
18,0	58,3	27,5	23 100	22 100	20 500 *	17 200 *	18,0
20,0	53,7	26,1	19 800	19 100	18 000 *	15 000 *	20,0
22,0	48,9	24,4	17 200	16 600	16 000	13 200 *	22,0
24,0	43,6	22,4	15 100	14 700	14 200	11 800 *	24,0
26,0	37,6	20,0	13 400	13 000	12 600	10 500 *	26,0
28,0	30,8	17,0	11 900	11 700	11 300	9 500 *	28,0
30,0	22,0	12,7	10 700	10 500	10 300	8 600 *	30,0
<b>33,5m (110 Ft.) Boom</b>							
6,7	82,1	35,0	74 900				6,7
7,0	81,6	34,9	71 700				7,0
8,0	79,8	34,7	61 800	56 600	51 000 *	44 300 *	8,0
9,0	78,1	34,5	54 300	50 000	44 800 *	38 800 *	9,0
10,0	76,3	34,3	48 200	44 800	39 900 *	34 400 *	10,0
11,0	74,5	34,0	43 300	40 400	35 900 *	30 900 *	11,0
12,0	72,8	33,7	39 200	36 700	32 600 *	27 900 *	12,0
13,0	70,9	33,3	35 700	33 600	29 700 *	25 400 *	13,0
14,0	69,1	33,0	32 700	30 900	27 300 *	23 200 *	14,0
15,0	67,3	32,5	29 800	28 100	25 200 *	21 400 *	15,0
16,0	65,4	32,1	27 200	25 700	23 300 *	19 700 *	16,0
18,0	61,5	31,0	22 900	21 800	20 300 *	17 000 *	18,0
20,0	57,5	29,8	19 600	18 700	17 800	14 800 *	20,0
22,0	53,3	28,4	17 000	16 400	15 700	13 000 *	22,0
24,0	48,9	26,7	14 900	14 400	13 800	11 600 *	24,0
26,0	44,1	24,8	13 200	12 700	12 300	10 300 *	26,0
28,0	38,8	22,4	11 700	11 400	11 000	9 300 *	28,0
30,0	32,8	19,5	10 500	10 200	9 900	8 400 *	30,0
32,0	25,6	15,8	9 500	9 300	9 000	7 600 *	32,0

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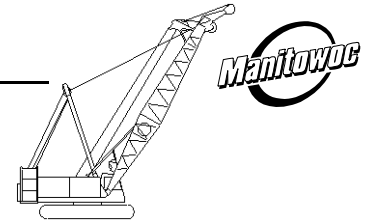
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<b>36,6m (120 Ft.) Boom</b>							
6,7	82,7	38,0	72 400				6,7
7,0	82,3	38,0	69 300				7,0
8,0	80,7	37,8	60 000	54 600	50 000		8,0
9,0	79,1	37,7	52 800	48 500	44 600	38 800 *	9,0
10,0	77,5	37,4	47 000	43 400	39 800 *	34 400 *	10,0
11,0	75,9	37,2	42 300	39 300	35 800 *	30 800 *	11,0
12,0	74,2	36,9	38 300	35 800	32 500 *	27 900 *	12,0
13,0	72,6	36,6	34 900	32 700	29 700 *	25 300 *	13,0
14,0	70,9	36,2	32 000	30 100	27 200 *	23 200 *	14,0
15,0	69,3	35,8	29 500	27 800	25 100 *	21 300 *	15,0
16,0	67,6	35,4	27 100	25 600	23 300 *	19 700 *	16,0
18,0	64,1	34,5	22 800	21 700	20 200 *	16 900 *	18,0
20,0	60,5	33,4	19 600	18 700	17 700	14 800 *	20,0
22,0	56,8	32,2	17 000	16 200	15 500	13 000 *	22,0
24,0	53,0	30,7	14 900	14 300	13 600	11 500 *	24,0
26,0	48,9	29,0	13 100	12 600	12 100	10 200 *	26,0
28,0	44,5	27,1	11 600	11 200	10 800	9 200 *	28,0
30,0	39,8	24,8	10 400	10 100	9 700	8 300 *	30,0
32,0	34,5	22,1	9 300	9 100	8 800	7 500 *	32,0
34,0	28,3	18,7	8 400	8 200	7 900	6 800 *	34,0
36,0	20,4	14,1	7 600	7 500	7 300	6 200 *	36,0
<b>39,6m (130 Ft.) Boom</b>							
7,3	82,4	41,0	63 900				7,3
8,0	81,4	40,9	58 100	52 600			8,0
9,0	79,9	40,8	51 300	46 800	42 900		9,0
10,0	78,5	40,5	45 700	42 000	38 800	34 200 *	10,0
11,0	77,0	40,3	41 200	38 000	35 200	30 600 *	11,0
12,0	75,5	40,1	37 300	34 700	32 300	27 600 *	12,0
13,0	74,0	39,8	34 000	31 700	29 600 *	25 100 *	13,0
14,0	72,5	39,5	31 300	29 200	27 000 *	22 900 *	14,0
15,0	70,9	39,1	28 800	27 000	24 900 *	21 100 *	15,0
16,0	69,4	38,7	26 600	25 000	23 100 *	19 400 *	16,0
18,0	66,2	37,9	22 700	21 400	20 000	16 700 *	18,0
20,0	63,0	36,9	19 400	18 300	17 300	14 600 *	20,0
22,0	59,7	35,8	16 700	15 900	15 100	12 800 *	22,0
24,0	56,3	34,5	14 600	14 000	13 300	11 300 *	24,0
26,0	52,7	33,0	12 900	12 300	11 800	10 100 *	26,0
28,0	48,9	31,3	11 400	11 000	10 500	9 000 *	28,0
30,0	44,9	29,4	10 200	9 800	9 400	8 100 *	30,0
32,0	40,5	27,2	9 100	8 800	8 400	7 300 *	32,0
34,0	35,8	24,5	8 100	7 900	7 600	6 600 *	34,0
36,0	30,4	21,4	7 400	7 100	6 900	6 000 *	36,0
38,0	23,8	17,3	6 700	6 500	6 300	5 400 *	38,0

Capacities based on structural competence are denoted by an asterisk (\*).  
 Capacities indicated by (b) require 4 540 kg minimum weight.



# Liftcrane Boom Capacities

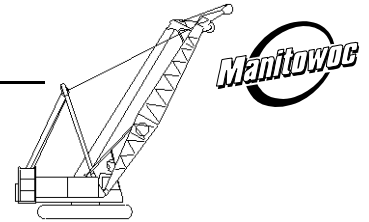
**Boom No. 84**  
**44 680 kg Crane Counterweight**  
**19 960 kg Carbody Counterweight**  
**Crawler Machine on a Barge**  
**0 Degree thru 3 Degree Machine List**  
**No Travel - 360 Degree Rating**

**European Standards**  
**14 m/s Maximum Wind**  
**thru 45,7m Boom**  
**10 m/s with 48,8m thru 64,0m Boom**  
**7 m/s with 67,1m thru 76,2m Boom**

## 555 SERIES 2

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>42,7m (140 Ft.) Boom</b>							
7,3	83,0	44,1	61 900				7,3
8,0	82,0	44,0	56 500				8,0
9,0	80,7	43,9	50 000	45 400			9,0
10,0	79,3	43,7	44 600	40 900	37 600	34 200 *	10,0
11,0	77,9	43,5	40 300	37 000	34 200	30 600 *	11,0
12,0	76,5	43,2	36 500	33 800	31 400	27 600 *	12,0
13,0	75,2	42,9	33 400	31 000	28 800	25 100 *	13,0
14,0	73,8	42,7	30 600	28 600	26 700	22 900 *	14,0
15,0	72,3	42,3	28 300	26 500	24 800	21 100 *	15,0
16,0	70,9	42,0	26 200	24 600	23 100	19 400 *	16,0
18,0	68,0	41,2	22 600	21 200	19 900	16 700 *	18,0
20,0	65,1	40,3	19 400	18 200	17 200	14 600 *	20,0
22,0	62,1	39,3	16 700	15 900	15 000	12 800 *	22,0
24,0	59,0	38,1	14 600	13 900	13 200	11 300 *	24,0
26,0	55,8	36,8	12 800	12 300	11 700	10 100 *	26,0
28,0	52,4	35,3	11 400	10 900	10 400	9 000 *	28,0
30,0	48,9	33,6	10 100	9 700	9 300	8 100 *	30,0
32,0	45,2	31,7	9 100	8 700	8 300	7 300 *	32,0
34,0	41,2	29,5	8 100	7 800	7 500	6 500 *	34,0
36,0	36,9	27,0	7 300	7 000	6 800	5 900 *	36,0
38,0	32,0	24,0	6 600	6 400	6 100	5 400 *	38,0
40,0	26,4	20,3	6 000	5 800	5 600	4 900 *	40,0
42,0	19,2	15,4	5 400	5 300	5 100	4 400 *	42,0

Capacities based on structural competence are denoted by an asterisk (\*).  
 Capacities indicated by (b) require 4 540 kg minimum weight.



# Liftcrane Boom Capacities

**Boom No. 84**  
**44 680 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**

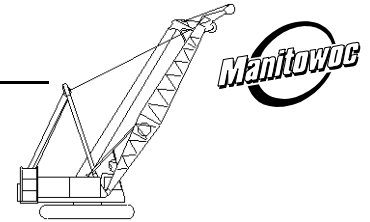
**European Standards**  
**14 m/s Maximum Wind**  
**thru 45,7m Boom**  
**10 m/s with 48,8m thru 64,0m Boom**  
**7 m/s with 67,1m thru 76,2m Boom**

## 555 SERIES 2

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>45,7m (150 Ft.) Boom</b>							
7,9	82,7	47,1	55 300				7,9
8,0	82,6	47,1	54 800				8,0
9,0	81,3	47,0	48 500	43 900			9,0
10,0	80,0	46,8	43 400	39 500	36 200		10,0
11,0	78,7	46,6	39 200	35 900	33 000	30 400 *	11,0
12,0	77,5	46,3	35 600	32 800	30 300	27 400 *	12,0
13,0	76,2	46,1	32 500	30 100	27 900	24 900 *	13,0
14,0	74,9	45,8	29 900	27 700	25 800	22 700 *	14,0
15,0	73,6	45,5	27 600	25 700	23 900	20 900 *	15,0
16,0	72,2	45,2	25 500	23 800	22 300	19 200 *	16,0
18,0	69,6	44,5	22 100	20 800	19 400	16 500 *	18,0
20,0	66,9	43,7	19 100	18 000	16 800	14 300 *	20,0
22,0	64,1	42,7	16 500	15 600	14 600	12 500 *	22,0
24,0	61,3	41,7	14 400	13 600	12 900	11 100 *	24,0
26,0	58,3	40,5	12 700	12 000	11 400	9 800 *	26,0
28,0	55,3	39,1	11 200	10 600	10 100	8 800 *	28,0
30,0	52,2	37,6	9 900	9 400	9 000	7 800 *	30,0
32,0	48,9	35,9	8 800	8 400	8 000	7 000 *	32,0
34,0	45,4	34,0	7 900	7 600	7 200	6 300 *	34,0
36,0	41,8	31,9	7 100	6 800	6 500	5 700 *	36,0
38,0	37,8	29,4	6 300	6 100	5 800	5 100 *	38,0
40,0	33,4	26,5	5 700	5 500	5 200	4 700 *	40,0
42,0	28,4	23,1	5 100	5 000	4 800	4 200 *	42,0
44,0	22,4	18,8	4 600	4 500	4 300	3 800 *	44,0

Capacities based on structural competence are denoted by an asterisk (\*).  
 Capacities indicated by (b) require 4 540 kg minimum weight.





# Liftcrane Boom Capacities

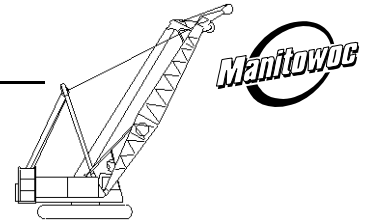
**Boom No. 84**  
**44 680 kg Crane Counterweight**  
**19 960 kg Carbody Counterweight**  
**Crawler Machine on a Barge**  
**0 Degree thru 3 Degree Machine List**  
**No Travel - 360 Degree Rating**

**European Standards**  
**14 m/s Maximum Wind**  
**thru 45,7m Boom**  
**10 m/s with 48,8m thru 64,0m Boom**  
**7 m/s with 67,1m thru 76,2m Boom**

## 555 SERIES 2

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>48,8m (160 Ft.) Boom</b>							
8,5	82,4	50,1	50 000				8,5
9,0	81,8	50,0	47 400				9,0
10,0	80,6	49,9	42 400	38 500	35 100		10,0
11,0	79,5	49,7	38 400	35 000	32 000	29 500	11,0
12,0	78,3	49,5	34 900	32 000	29 400	27 100	12,0
13,0	77,0	49,2	31 900	29 400	27 100	24 900	13,0
14,0	75,8	49,0	29 300	27 100	25 100	22 700 *	14,0
15,0	74,6	48,7	27 100	25 100	23 300	20 900 *	15,0
16,0	73,4	48,4	25 100	23 300	21 700	19 200 *	16,0
18,0	70,9	47,7	21 700	20 300	19 000	16 500 *	18,0
20,0	68,4	47,0	19 000	17 800	16 700	14 300 *	20,0
22,0	65,8	46,1	16 500	15 500	14 500	12 500 *	22,0
24,0	63,2	45,1	14 400	13 600	12 700	11 100 *	24,0
26,0	60,5	44,0	12 600	11 900	11 200	9 800 *	26,0
28,0	57,8	42,8	11 100	10 600	10 000	8 700 *	28,0
30,0	54,9	41,4	9 900	9 400	8 900	7 800 *	30,0
32,0	52,0	39,9	8 800	8 300	7 900	7 000 *	32,0
34,0	48,9	38,2	7 800	7 500	7 100	6 300 *	34,0
36,0	45,7	36,3	7 000	6 700	6 300	5 600 *	36,0
38,0	42,2	34,2	6 200	6 000	5 700	5 100 *	38,0
40,0	38,6	31,8	5 600	5 400	5 100	4 600 *	40,0
42,0	34,6	29,0	5 000	4 800	4 600	4 100 *	42,0
44,0	30,1	25,8	4 500	4 300	4 100	3 700 *	44,0
46,0	24,9	21,9	4 000	3 900	3 800	3 300 *	46,0
48,0	18,3	16,6	3 700	3 500	3 400	3 000 *	48,0

Capacities based on structural competence are denoted by an asterisk (\*).  
 Capacities indicated by (b) require 4 540 kg minimum weight.



# Liftcrane Boom Capacities

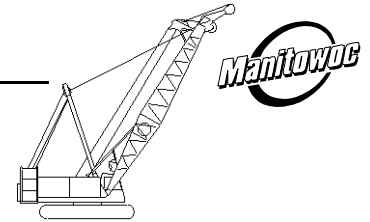
**Boom No. 84**  
**44 680 kg Crane Counterweight**  
**19 960 kg Carbody Counterweight**  
**Crawler Machine on a Barge**  
**0 Degree thru 3 Degree Machine List**  
**No Travel - 360 Degree Rating**

**European Standards**  
**14 m/s Maximum Wind**  
**thru 45,7m Boom**  
**10 m/s with 48,8m thru 64,0m Boom**  
**7 m/s with 67,1m thru 76,2m Boom**

## 555 SERIES 2

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	82,8	53,2	48 500				8,5
9,0	82,3	53,1	46 000				9,0
10,0	81,2	53,0	41 300	37 300			10,0
11,0	80,1	52,8	37 300	33 900	30 900		11,0
12,0	79,0	52,6	34 000	31 000	28 400	26 100	12,0
13,0	77,8	52,4	31 100	28 500	26 200	24 200	13,0
14,0	76,7	52,1	28 600	26 300	24 300	22 400	14,0
15,0	75,5	51,9	26 400	24 400	22 600	20 600	15,0
16,0	74,4	51,6	24 400	22 600	21 000	19 000 *	16,0
18,0	72,1	51,0	21 100	19 700	18 300	16 300 *	18,0
20,0	69,7	50,2	18 500	17 300	16 100	14 100 *	20,0
22,0	67,3	49,4	16 200	15 200	14 200	12 300 *	22,0
24,0	64,9	48,5	14 200	13 300	12 400	10 800 *	24,0
26,0	62,4	47,5	12 400	11 700	11 000	9 600 *	26,0
28,0	59,9	46,4	10 900	10 300	9 700	8 500 *	28,0
30,0	57,3	45,1	9 600	9 100	8 600	7 600 *	30,0
32,0	54,6	43,7	8 500	8 100	7 600	6 800 *	32,0
34,0	51,8	42,2	7 600	7 200	6 800	6 100 *	34,0
36,0	48,9	40,5	6 700	6 400	6 000	5 400 *	36,0
38,0	45,9	38,7	6 000	5 700	5 400	4 900 *	38,0
40,0	42,7	36,5	5 400	5 100	4 800	4 300 *	40,0
42,0	39,3	34,2	4 800	4 500	4 300	3 900 *	42,0
44,0	35,6	31,5	4 300	4 000	3 800	3 500 *	44,0
46,0	31,5	28,4	3 800	3 600	3 400	3 100 *	46,0
48,0	26,9	24,8	3 400	3 200	3 000	2 800 *	48,0
50,0	21,3	20,1	3 000	2 900	2 700	2 500 *	50,0

Capacities based on structural competence are denoted by an asterisk (\*).  
 Capacities indicated by (b) require 4 540 kg minimum weight.



# Liftcrane Boom Capacities

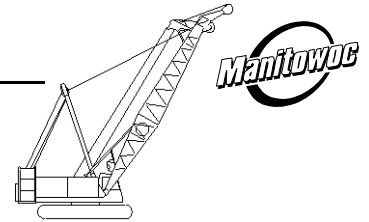
**Boom No. 84**  
**44 680 kg Crane Counterweight**  
**19 960 kg Carbody Counterweight**  
**Crawler Machine on a Barge**  
**0 Degree thru 3 Degree Machine List**  
**No Travel - 360 Degree Rating**

**European Standards**  
**14 m/s Maximum Wind**  
**thru 45,7m Boom**  
**10 m/s with 48,8m thru 64,0m Boom**  
**7 m/s with 67,1m thru 76,2m Boom**

## 555 SERIES 2

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>54,9m (180 Ft.) Boom</b>							
9,1	82,6	56,2	44 000				9,1
10,0	81,7	56,0	40 200	36 200			10,0
11,0	80,6	55,9	36 400	32 900	30 000		11,0
12,0	79,6	55,7	33 200	30 100	27 500	25 000	12,0
13,0	78,5	55,5	30 400	27 700	25 400	23 600	13,0
14,0	77,4	55,3	27 900	25 600	23 500	21 700	14,0
15,0	76,4	55,0	25 800	23 700	21 900	20 200	15,0
16,0	75,3	54,8	23 900	22 000	20 400	18 800	16,0
18,0	73,1	54,2	20 700	19 100	17 800	16 200 *	18,0
20,0	70,9	53,5	18 000	16 800	15 600	14 000 *	20,0
22,0	68,7	52,7	15 900	14 800	13 800	12 200 *	22,0
24,0	66,4	51,9	14 000	13 100	12 200	10 700 *	24,0
26,0	64,1	51,0	12 300	11 400	10 700	9 500 *	26,0
28,0	61,7	49,9	10 700	10 100	9 400	8 400 *	28,0
30,0	59,3	48,7	9 500	8 900	8 300	7 500 *	30,0
32,0	56,8	47,5	8 400	7 900	7 400	6 700 *	32,0
34,0	54,3	46,1	7 400	7 000	6 600	6 000 *	34,0
36,0	51,7	44,5	6 600	6 200	5 800	5 300 *	36,0
38,0	48,9	42,8	5 800	5 500	5 200	4 700 *	38,0
40,0	46,1	41,0	5 200	4 900	4 600	4 300 *	40,0
42,0	43,0	38,9	4 600	4 300	4 100	3 800 *	42,0
44,0	39,9	36,6	4 100	3 800	3 600	3 400 *	44,0
46,0	36,4	34,0	3 600	3 400	3 200	3 000	46,0
48,0	32,7	31,0	3 200	3 000	2 900	2 700	48,0
50,0	28,5	27,5	2 800	2 700	2 500	2 300	50,0
52,0	23,7	23,4	2 500	2 300	2 200	2 100	52,0

Capacities based on structural competence are denoted by an asterisk (\*).  
 Capacities indicated by (b) require 4 540 kg minimum weight.



# Liftcrane Boom Capacities

**Boom No. 84**  
**44 680 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**

**European Standards**

14 m/s Maximum Wind  
thru 45,7m Boom

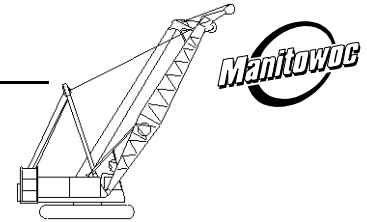
10 m/s with 48,8m thru 64,0m Boom

7 m/s with 67,1m thru 76,2m Boom

## 555 SERIES 2

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>57,9m (190 Ft.) Boom</b>							
9,8	82,4	59,2	40 300				9,8
10,0	82,1	59,1	39 300				10,0
11,0	81,1	59,0	35 600	32 200			11,0
12,0	80,1	58,8	32 500	29 400			12,0
13,0	79,1	58,6	29 700	27 100	24 800		13,0
14,0	78,1	58,4	27 400	25 000	22 900	21 000	14,0
15,0	77,1	58,2	25 300	23 200	21 300	19 600	15,0
16,0	76,1	57,9	23 500	21 500	19 800	18 300	16,0
18,0	74,0	57,4	20 300	18 800	17 400	16 100	18,0
20,0	71,9	56,7	17 700	16 400	15 300	14 000 *	20,0
22,0	69,8	56,0	15 600	14 500	13 500	12 100 *	22,0
24,0	67,7	55,2	13 800	12 900	12 000	10 700 *	24,0
26,0	65,6	54,3	12 300	11 400	10 600	9 400 *	26,0
28,0	63,3	53,3	10 700	10 100	9 400	8 300 *	28,0
30,0	61,1	52,3	9 400	8 900	8 300	7 400 *	30,0
32,0	58,8	51,1	8 300	7 800	7 300	6 600 *	32,0
34,0	56,4	49,8	7 400	7 000	6 500	5 900 *	34,0
36,0	54,0	48,4	6 500	6 200	5 800	5 200 *	36,0
38,0	51,5	46,8	5 800	5 500	5 100	4 700 *	38,0
40,0	48,9	45,1	5 100	4 800	4 500	4 200 *	40,0
42,0	46,2	43,3	4 500	4 300	4 000	3 700	42,0
44,0	43,4	41,2	4 000	3 800	3 500	3 300	44,0
46,0	40,4	38,9	3 500	3 300	3 100	2 800	46,0
48,0	37,2	36,4	3 100	2 900	2 700	2 500	48,0
50,0	33,7	33,5	2 700	2 500	2 300	2 200	50,0
52,0	29,9	30,2	2 300	2 200	2 000		52,0
54,0	25,6	26,3	2 000	1 900			54,0

Capacities based on structural competence are denoted by an asterisk (\*).  
 Capacities indicated by (b) require 4 540 kg minimum weight.



# Liftcrane Boom Capacities

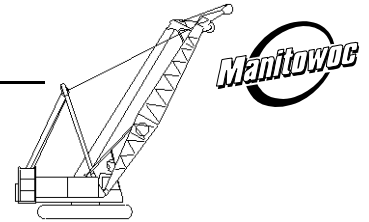
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**14 m/s Maximum Wind**  
**thru 45,7m Boom**  
**10 m/s with 48,8m thru 64,0m Boom**  
**7 m/s with 67,1m thru 76,2m Boom**

## 555 SERIES 2

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>61,0m (200 Ft.) Boom</b>						
10,4	82,2	62,2	37 000			10,4
11,0	81,6	62,1	34 700			11,0
12,0	80,6	61,9	31 700	28 600		12,0
13,0	79,7	61,7	29 000	26 300	23 700	13,0
14,0	78,7	61,5	26 700	24 300	22 200	14,0
15,0	77,8	61,3	24 700	22 500	20 700	15,0
16,0	76,8	61,1	22 900	20 900	19 200	16,0
18,0	74,8	60,5	19 800	18 200	16 800	18,0
20,0	72,9	59,9	17 300	15 900	14 700	20,0
22,0	70,9	59,3	15 200	14 100	13 100	22,0
24,0	68,9	58,5	13 400	12 500	11 600	24,0
26,0	66,9	57,7	11 900	11 100	10 300	26,0
28,0	64,8	56,7	10 600	9 800	9 100	28,0
30,0	62,7	55,7	9 300	8 600	8 000	30,0
32,0	60,5	54,6	8 200	7 600	7 100	32,0
34,0	58,3	53,4	7 200	6 700	6 200	34,0
36,0	56,1	52,1	6 400	5 900	5 500	36,0
38,0	53,8	50,7	5 600	5 200	4 900	38,0
40,0	51,4	49,1	5 000	4 600	4 300	40,0
42,0	48,9	47,4	4 300	4 000	3 800	42,0
44,0	46,4	45,6	3 800	3 500	3 300	44,0
46,0	43,7	43,5	3 300	3 100	2 800	46,0
48,0	40,9	41,3	2 900	2 700	2 400	48,0
50,0	37,9	38,8	2 500	2 300	2 100	50,0
52,0	34,6	36,0	2 100			52,0

Capacities based on structural competence are denoted by an asterisk (\*).  
 Capacities indicated by (b) require 4 540 kg minimum weight.



# Liftcrane Boom Capacities

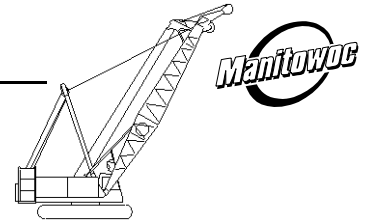
**Boom No. 84**  
**44 680 kg Crane Counterweight**  
**19 960 kg Carbody Counterweight**  
**Crawler Machine on a Barge**  
**0 Degree thru 3 Degree Machine List**  
**No Travel - 360 Degree Rating**

**European Standards**  
 14 m/s Maximum Wind  
 thru 45,7m Boom  
 10 m/s with 48,8m thru 64,0m Boom  
 7 m/s with 67,1m thru 76,2m Boom

## 555 SERIES 2

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>64,0m (210 Ft.) Boom</b>						
11,0	82,0	65,2	33 900			11,0
12,0	81,1	65,0	30 900	27 700		12,0
13,0	80,2	64,8	28 300	25 500		13,0
14,0	79,3	64,6	26 100	23 500	21 400	14,0
15,0	78,3	64,4	24 100	21 800	19 900	15,0
16,0	77,4	64,2	22 300	20 300	18 500	16,0
18,0	75,6	63,7	19 300	17 700	16 200	18,0
20,0	73,7	63,1	16 800	15 500	14 200	20,0
22,0	71,8	62,5	14 700	13 600	12 500	22,0
24,0	69,9	61,8	13 000	12 000	11 100	24,0
26,0	68,0	61,0	11 500	10 600	9 900	26,0
28,0	66,1	60,1	10 200	9 500	8 800	28,0
30,0	64,1	59,2	9 000	8 400	7 700	30,0
32,0	62,1	58,1	7 900	7 300	6 800	32,0
34,0	60,0	57,0	7 000	6 500	6 000	34,0
36,0	57,9	55,8	6 100	5 700	5 200	36,0
38,0	55,8	54,4	5 400	5 000	4 600	38,0
40,0	53,6	53,0	4 700	4 400	4 000	40,0
42,0	51,3	51,4	4 100	3 800	3 500	42,0
44,0	48,9	49,7	3 600	3 300	3 000	44,0
46,0	46,5	47,9	3 100	2 800	2 600	46,0
48,0	43,9	45,9	2 700	2 400	2 200	48,0
50,0	41,3	43,6	2 200	2 000	1 800	50,0

Capacities based on structural competence are denoted by an asterisk (\*).  
 Capacities indicated by (b) require 4 540 kg minimum weight.



# Liftcrane Boom Capacities

**Boom No. 84**  
**44 680 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**

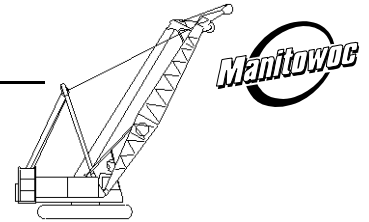
**European Standards**  
 14 m/s Maximum Wind  
 thru 45,7m Boom  
 10 m/s with 48,8m thru 64,0m Boom  
 7 m/s with 67,1m thru 76,2m Boom

## 555 SERIES 2

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms
<b>67,1m (220 Ft.) Boom</b>				
11,0	82,4	68,2	33 100	
12,0	81,5	68,1	30 100	
13,0	80,6	67,9	27 600	24 900
14,0	79,8	67,7	25 400	22 900
15,0	78,9	67,5	23 500	21 200
16,0	78,0	67,3	21 700	19 700
18,0	76,3	66,8	18 800	17 200
20,0	74,5	66,3	16 400	15 000
22,0	72,7	65,7	14 400	13 200
24,0	70,9	65,0	12 600	11 600
26,0	69,1	64,3	11 200	10 300
28,0	67,2	63,5	9 900	9 100
30,0	65,3	62,5	8 800	8 100
32,0	63,4	61,6	7 800	7 200
34,0	61,5	60,5	6 800	6 300
36,0	59,5	59,4	6 000	5 500
38,0	57,5	58,1	5 200	4 800
40,0	55,5	56,8	4 500	4 200
42,0	53,3	55,3	3 900	3 600
44,0	51,2	53,7	3 400	3 100
46,0	48,9	52,0	2 900	2 700
48,0	46,6	50,2	2 500	2 200
50,0	44,2	48,2	2 100	1 900

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms
<b>70,1m (230 Ft.) Boom</b>				
11,6	82,2	71,2	30 400	
12,0	81,9	71,2	29 300	
13,0	81,0	71,0	26 800	
14,0	80,2	70,8	24 700	22 200
15,0	79,4	70,6	22 800	20 600
16,0	78,5	70,4	21 100	19 100
18,0	76,9	70,0	18 300	16 600
20,0	75,2	69,5	15 900	14 500
22,0	73,5	68,9	13 900	12 700
24,0	71,8	68,2	12 200	11 200
26,0	70,0	67,5	10 800	9 900
28,0	68,3	66,8	9 500	8 700
30,0	66,5	65,9	8 400	7 700
32,0	64,7	65,0	7 400	6 800
34,0	62,9	64,0	6 600	6 000
36,0	61,0	62,9	5 700	5 300
38,0	59,1	61,7	5 000	4 600
40,0	57,2	60,5	4 300	3 900
42,0	55,2	59,1	3 700	3 300
44,0	53,2	57,6	3 200	2 900
46,0	51,1	56,0	2 700	2 400
48,0	48,9	54,3	2 200	2 000
50,0	46,7	52,5	1 800	

Capacities based on structural competence are denoted by an asterisk (\*).  
 Capacities indicated by (b) require 4 540 kg minimum weight.



# Liftcrane Boom Capacities

**Boom No. 84**  
**44 680 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**

**European Standards**  
 14 m/s Maximum Wind  
 thru 45,7m Boom  
 10 m/s with 48,8m thru 64,0m Boom  
 7 m/s with 67,1m thru 76,2m Boom

## 555 SERIES 2

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms
<b>73,2m (240 Ft.) Boom</b>			
11,6	82,5	74,3	29 900 *
12,0	82,2	74,2	28 800
13,0	81,4	74,1	26 400
14,0	80,6	73,9	24 300
15,0	79,8	73,7	22 500
16,0	79,0	73,6	20 800
18,0	77,4	73,1	18 000
20,0	75,8	72,6	15 700
22,0	74,2	72,1	13 800
24,0	72,5	71,5	12 100
26,0	70,9	70,8	10 600
28,0	69,2	70,0	9 400
30,0	67,5	69,2	8 300
32,0	65,8	68,3	7 300
34,0	64,1	67,4	6 500
36,0	62,3	66,4	5 700
38,0	60,5	65,2	5 000
40,0	58,7	64,1	4 400
42,0	56,8	62,8	3 700
44,0	54,9	61,4	3 200
46,0	53,0	59,9	2 700
48,0	51,0	58,3	2 200
50,0	48,9	56,6	1 800

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms
<b>76,2m (250 Ft.) Boom</b>			
12,2	82,4	77,3	27 600
13,0	81,8	77,2	25 800
14,0	81,0	77,0	23 700
15,0	80,2	76,8	21 900
16,0	79,5	76,7	20 300
18,0	77,9	76,2	17 500
20,0	76,4	75,8	15 200
22,0	74,8	75,2	13 300
24,0	73,3	74,7	11 700
26,0	71,7	74,0	10 300
28,0	70,1	73,3	9 000
30,0	68,5	72,5	7 900
32,0	66,8	71,7	7 000
34,0	65,2	70,8	6 200
36,0	63,5	69,8	5 400
38,0	61,8	68,7	4 700
40,0	60,1	67,6	4 100
42,0	58,3	66,4	3 500
44,0	56,5	65,1	3 000
46,0	54,7	63,7	2 500
48,0	52,8	62,2	2 000

Capacities based on structural competence are denoted by an asterisk (\*).  
 Capacities indicated by (b) require 4 540 kg minimum weight.