

Liftcrane Boom Capacities

Boom No. 44 With Heavy Lift Top
75 750 kg Counterweight
Crawler Machine on a Static Barge
0 Degree thru 3 Degree Static Machine List
No Travel - 360 Degree Rating

LIFTING CAPACITIES: Lifting capacities are for a crawler machine when operating on a static barge. Machine shall be positively secured to prevent shifting. Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

Upper boom point capacity for liftcrane service with single part whip line is 13 610 kg or 27 220 kg with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

76.2m and 79.2m boom lengths require only the middle three sheaves to be used on lower boom point. All other sheaves must be removed from lower boom point.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of main boom load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate on a firm uniformly supporting surface with gantry up and machine

list not to exceed degrees noted with exception of 0 degree machine list which must not exceed 0.5 degrees. Refer to boom rigging **No. 172610** or **No. 179809**, Wire Rope Specification chart **No. 7581-A**, and Counterweight Arrangement chart **No. 7692-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 9 373 mm crawlers, 1 219 mm treads, 8 534 mm retractable gantry, 12 part boom hoist reeving, four 38 mm boom pendants or boom support straps and 75 750 kg counterweight.

Maximum Boom Length Lifted Unassisted Over Front, Side or Rear of Crawlers	
List	Boom Length
0 Degree	79.2m
1 Degree	79.2m
2 Degree	79.2m
3 Degree	79.2m
Load block, hook and weight ball on barge deck at start. Jib is not to be used 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
21.3m (70 Ft.) BOOM							
5.5	82.9	23.5	250 000 *				5.5
6.0	81.5	23.4	247 700 *				6.0
6.5	80.2	23.3	235 900 *	203 100 *	147 100 *		6.5
7.0	78.8	23.2	219 700 *	203 100 *	147 100 *	114 800 *	7.0
7.5	77.4	23.1	204 600	186 800	147 100 *	114 800 *	7.5
8.0	76.0	22.9	182 900	166 600	146 900	114 800 *	8.0
8.5	74.6	22.8	164 100	150 700	139 600	114 800 *	8.5
9.0	73.2	22.6	148 700	137 500	127 800	114 800 *	9.0
10.0	70.3	22.2	124 900	116 800	109 600	103 400	10.0
11.0	67.4	21.8	107 500	101 400	95 900	90 800	11.0
12.0	64.4	21.3	94 100	89 300	85 000	81 000	12.0
13.0	61.3	20.7	83 600	79 700	76 200	73 000	13.0
14.0	58.1	20.1	75 000	71 900	69 000	66 300	14.0
15.0	54.8	19.4	67 900	65 300	63 000	60 700	15.0
16.0	51.4	18.5	61 900	59 800	57 800	55 900	16.0
18.0	43.8	16.6	52 500	51 000	49 500	48 200	18.0
20.0	34.8	13.9	45 300	44 200	43 200	42 300	20.0
24.4m (80 Ft.) BOOM							
6.1	82.4	26.5	238 700 *				6.1
6.5	81.4	26.4	235 300 *	194 700 *			6.5
7.0	80.2	26.3	219 300 *	193 100 *	144 100 *		7.0
7.5	79.0	26.2	204 400	185 000	144 100 *	112 900 *	7.5
8.0	77.8	26.1	182 900	164 600	143 800	112 900 *	8.0
8.5	76.6	26.0	164 100	149 100	136 800	112 900 *	8.5
9.0	75.4	25.8	148 700	136 100	125 400	112 900 *	9.0
10.0	72.9	25.5	124 800	115 700	107 800	100 700	10.0
11.0	70.4	25.1	107 400	100 500	94 300	88 700	11.0
12.0	67.8	24.7	94 000	88 600	83 700	79 200	12.0
13.0	65.2	24.2	83 400	79 100	75 100	71 500	13.0
14.0	62.6	23.7	74 900	71 300	68 000	65 000	14.0
15.0	59.8	23.1	67 800	64 800	62 100	59 500	15.0
16.0	57.0	22.4	61 800	59 300	57 000	54 800	16.0
18.0	51.1	20.8	52 300	50 500	48 800	47 200	18.0
20.0	44.5	18.9	45 200	43 800	42 600	41 400	20.0
22.0	37.0	16.4	39 500	38 500	37 600	36 700	22.0
24.0	27.6	13.0	35 000	34 200	33 600	32 900	24.0

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Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
27.4m (90 Ft.) BOOM							
6.4	82.6	29.5	226 100 *				6.4
6.5	82.4	29.5	225 700 *				6.5
7.0	81.3	29.4	219 000 *	180 600 *			7.0
7.5	80.3	29.3	204 300	177 600	140 700 *		7.5
8.0	79.2	29.2	182 900	162 800	140 600	110 800 *	8.0
8.5	78.1	29.1	164 100	147 500	134 200	110 800 *	8.5
9.0	77.0	29.0	148 600	134 800	123 100	110 700	9.0
10.0	74.9	28.7	124 800	114 700	106 000	98 400	10.0
11.0	72.7	28.4	107 400	99 600	92 900	86 900	11.0
12.0	70.4	28.0	94 000	87 900	82 500	77 700	12.0
13.0	68.2	27.6	83 400	78 500	74 100	70 100	13.0
14.0	65.9	27.1	74 800	70 800	67 200	63 800	14.0
15.0	63.5	26.6	67 700	64 400	61 300	58 500	15.0
16.0	61.1	26.0	61 700	58 900	56 300	53 900	16.0
18.0	56.1	24.7	52 200	50 200	48 300	46 400	18.0
20.0	50.8	23.1	45 100	43 500	42 100	40 700	20.0
22.0	45.0	21.2	39 400	38 200	37 100	36 000	22.0
24.0	38.5	18.8	34 900	34 000	33 100	32 300	24.0
30.5m (100 Ft.) BOOM							
6.7	82.8	32.6	217 400 *				6.7
7.0	82.2	32.5	216 000 *				7.0
7.5	81.2	32.4	204 300	166 900 *			7.5
8.0	80.3	32.3	182 800	161 600	136 900 *		8.0
8.5	79.3	32.2	164 000	145 900	131 400	108 300 *	8.5
9.0	78.4	32.1	148 500	133 400	120 800	108 100	9.0
10.0	76.4	31.9	124 600	113 600	104 200	96 000	10.0
11.0	74.5	31.6	107 200	98 700	91 400	85 000	11.0
12.0	72.5	31.2	93 800	87 100	81 300	76 000	12.0
13.0	70.5	30.9	83 200	77 800	73 000	68 700	13.0
14.0	68.5	30.5	74 600	70 200	66 200	62 600	14.0
15.0	66.4	30.0	67 500	63 800	60 400	57 400	15.0
16.0	64.3	29.5	61 500	58 400	55 500	52 900	16.0
18.0	60.0	28.4	52 000	49 700	47 600	45 600	18.0
20.0	55.4	27.0	44 900	43 100	41 400	39 900	20.0
22.0	50.6	25.4	39 200	37 800	36 500	35 300	22.0
24.0	45.4	23.5	34 700	33 500	32 600	31 600	24.0
26.0	39.7	21.2	31 000	30 100	29 200	28 500	26.0
28.0	33.1	18.3	27 800	27 100	26 500	25 800	28.0

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33.5m (110 Ft.) BOOM							
7.0	82.9	35.6	169 800 *				7.0
7.5	82.0	35.5	167 900 *				7.5
8.0	81.2	35.4	166 200 *	135 900 *			8.0
8.5	80.3	35.3	163 100	134 700 *	119 800 *		8.5
9.0	79.4	35.2	148 500	131 900	117 900	104 600 *	9.0
10.0	77.7	35.0	124 600	112 600	102 500	94 000	10.0
11.0	75.9	34.7	107 100	97 900	90 000	83 200	11.0
12.0	74.1	34.4	93 700	86 400	80 100	74 600	12.0
13.0	72.3	34.1	83 000	77 200	72 000	67 400	13.0
14.0	70.5	33.8	74 500	69 600	65 300	61 500	14.0
15.0	68.7	33.3	67 400	63 300	59 700	56 300	15.0
16.0	66.8	32.9	61 300	57 900	54 800	52 000	16.0
18.0	63.0	31.9	51 900	49 300	47 000	44 800	18.0
20.0	59.0	30.7	44 700	42 700	40 900	39 200	20.0
22.0	54.9	29.3	39 100	37 500	36 100	34 700	22.0
24.0	50.5	27.7	34 500	33 300	32 100	31 000	24.0
26.0	45.8	25.8	30 800	29 700	28 800	27 900	26.0
28.0	40.6	23.6	27 600	26 800	26 100	25 300	28.0
30.0	34.9	20.9	25 000	24 300	23 700	23 100	30.0
32.0	28.0	17.4	22 700	22 100	21 700	21 200	32.0
36.6m (120 Ft.) BOOM							
7.3	83.0	38.6	164 900 *				7.3
7.5	82.7	38.6	164 300 *				7.5
8.0	81.9	38.5	162 600 *	132 800 *			8.0
8.5	81.1	38.4	161 000 *	131 700 *			8.5
9.0	80.3	38.3	148 500	129 500	115 200		9.0
10.0	78.7	38.1	124 400	111 500	100 800	91 900	10.0
11.0	77.1	37.9	106 900	97 000	88 600	81 400	11.0
12.0	75.5	37.6	93 400	85 600	78 900	73 000	12.0
13.0	73.9	37.3	82 800	76 500	71 000	66 100	13.0
14.0	72.2	37.0	74 200	69 000	64 400	60 300	14.0
15.0	70.5	36.6	67 100	62 700	58 800	55 300	15.0
16.0	68.9	36.2	61 100	57 400	54 000	51 000	16.0
18.0	65.4	35.3	51 600	48 800	46 300	44 000	18.0
20.0	61.9	34.3	44 400	42 300	40 300	38 500	20.0
22.0	58.2	33.1	38 800	37 100	35 500	34 000	22.0
24.0	54.4	31.7	34 200	32 900	31 600	30 400	24.0
26.0	50.4	30.0	30 500	29 400	28 300	27 400	26.0
28.0	46.1	28.2	27 400	26 400	25 600	24 700	28.0
30.0	41.4	26.0	24 700	23 900	23 200	22 500	30.0
32.0	36.3	23.4	22 400	21 800	21 200	20 600	32.0
34.0	30.3	20.1	20 400	19 800	19 400	18 900	34.0

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39.6m (130 Ft.) BOOM							
7.9	82.7	41.6	159 000 *				7.9
8.0	82.6	41.6	158 800 *				8.0
8.5	81.8	41.5	157 300 *				8.5
9.0	81.1	41.4	149 000	127 200			9.0
10.0	79.6	41.3	124 400	110 600	99 400	90 000	10.0
11.0	78.1	41.0	106 900	96 300	87 400	79 900	11.0
12.0	76.6	40.8	93 400	85 100	77 900	71 700	12.0
13.0	75.1	40.5	82 800	76 000	70 200	65 000	13.0
14.0	73.6	40.2	74 200	68 600	63 700	59 300	14.0
15.0	72.1	39.9	67 100	62 400	58 200	54 500	15.0
16.0	70.6	39.5	61 100	57 100	53 500	50 300	16.0
18.0	67.4	38.7	51 600	48 600	45 900	43 400	18.0
20.0	64.2	37.7	44 400	42 100	40 000	38 000	20.0
22.0	60.9	36.6	38 800	36 900	35 200	33 600	22.0
24.0	57.5	35.4	34 200	32 700	31 300	30 000	24.0
26.0	54.0	34.0	30 500	29 200	28 100	27 000	26.0
28.0	50.3	32.3	27 300	26 300	25 300	24 400	28.0
30.0	46.3	30.5	24 700	23 800	23 000	22 200	30.0
32.0	42.0	28.3	22 400	21 600	21 000	20 300	32.0
34.0	37.4	25.8	20 400	19 800	19 200	18 700	34.0
36.0	32.2	22.8	18 600	18 100	17 600	17 200	36.0
38.0	25.9	19.0	17 100	16 600	16 300	15 900	38.0
42.7m (140 Ft.) BOOM							
8.2	82.8	44.7	155 000 *				8.2
8.5	82.4	44.6	154 300 *				8.5
9.0	81.7	44.5	149 200	124 800 *			9.0
10.0	80.4	44.4	124 200	109 600	97 800		10.0
11.0	79.0	44.2	106 700	95 400	86 000	78 200	11.0
12.0	77.6	43.9	93 200	84 300	76 800	70 300	12.0
13.0	76.2	43.7	82 600	75 300	69 100	63 700	13.0
14.0	74.8	43.4	74 000	67 900	62 800	58 200	14.0
15.0	73.4	43.1	66 800	61 800	57 400	53 400	15.0
16.0	72.0	42.8	60 800	56 500	52 700	49 300	16.0
18.0	69.1	42.0	51 300	48 100	45 200	42 600	18.0
20.0	66.2	41.1	44 100	41 600	39 400	37 200	20.0
22.0	63.2	40.1	38 500	36 500	34 600	32 900	22.0
24.0	60.1	39.0	33 900	32 300	30 800	29 400	24.0
26.0	56.9	37.7	30 200	28 800	27 600	26 400	26.0
28.0	53.6	36.3	27 000	25 900	24 900	23 900	28.0
30.0	50.2	34.6	24 400	23 400	22 500	21 700	30.0
32.0	46.5	32.8	22 100	21 300	20 500	19 800	32.0
34.0	42.6	30.7	20 100	19 400	18 700	18 100	34.0
36.0	38.3	28.2	18 300	17 700	17 200	16 700	36.0
38.0	33.6	25.3	16 800	16 300	15 800	15 400	38.0


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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							
8.5	82.9	47.7	137 100 *				8.5
9.0	82.3	47.6	135 800 *				9.0
10.0	81.0	47.5	125 100	101 100 *			10.0
11.0	79.7	47.3	106 500	94 600	84 800	75 400	11.0
12.0	78.5	47.1	93 000	83 600	75 700	69 000	12.0
13.0	77.2	46.8	82 400	74 700	68 200	62 500	13.0
14.0	75.9	46.6	73 700	67 400	61 900	57 100	14.0
15.0	74.6	46.3	66 600	61 300	56 600	52 500	15.0
16.0	73.3	46.0	60 600	56 100	52 100	48 500	16.0
18.0	70.6	45.3	51 100	47 700	44 600	41 800	18.0
20.0	67.9	44.5	43 900	41 200	38 800	36 600	20.0
22.0	65.2	43.6	38 200	36 100	34 200	32 400	22.0
24.0	62.3	42.5	33 700	31 900	30 300	28 900	24.0
26.0	59.4	41.4	30 000	28 500	27 200	25 900	26.0
28.0	56.4	40.0	26 800	25 600	24 500	23 400	28.0
30.0	53.3	38.6	24 100	23 100	22 100	21 300	30.0
32.0	50.1	36.9	21 800	21 000	20 100	19 400	32.0
34.0	46.7	35.1	19 800	19 100	18 400	17 700	34.0
36.0	43.0	33.0	18 100	17 400	16 800	16 300	36.0
38.0	39.1	30.6	16 500	16 000	15 500	15 000	38.0
40.0	34.9	27.8	15 200	14 700	14 200	13 800	40.0
42.0	30.1	24.6	13 900	13 500	13 100	12 800	42.0
48.8m (160 Ft.) BOOM							
8.8	83.0	50.7	132 400 *				8.8
9.0	82.8	50.7	132 000 *				9.0
10.0	81.6	50.6	125 300	98 400 *			10.0
11.0	80.4	50.4	106 300	93 700	83 400		11.0
12.0	79.2	50.2	92 800	82 800	74 500	67 500	12.0
13.0	78.0	50.0	82 100	74 000	67 200	61 300	13.0
14.0	76.8	49.7	73 500	66 800	61 000	56 000	14.0
15.0	75.6	49.4	66 300	60 700	55 800	51 500	15.0
16.0	74.3	49.2	60 300	55 500	51 300	47 500	16.0
18.0	71.9	48.5	50 800	47 200	43 900	41 000	18.0
20.0	69.4	47.8	43 600	40 800	38 200	35 900	20.0
22.0	66.8	46.9	37 900	35 700	33 600	31 700	22.0
24.0	64.2	46.0	33 400	31 500	29 800	28 300	24.0
26.0	61.5	44.9	29 600	28 100	26 700	25 400	26.0
28.0	58.8	43.7	26 500	25 200	24 000	22 900	28.0
30.0	56.0	42.4	23 800	22 700	21 700	20 700	30.0
32.0	53.1	40.9	21 500	20 500	19 700	18 900	32.0
34.0	50.0	39.2	19 500	18 700	18 000	17 200	34.0
36.0	46.8	37.4	17 800	17 000	16 400	15 800	36.0
38.0	43.4	35.3	16 200	15 600	15 000	14 500	38.0
40.0	39.8	33.0	14 800	14 300	13 800	13 400	40.0
42.0	35.9	30.3	13 600	13 100	12 700	12 300	42.0
44.0	31.6	27.2	12 500	12 100	11 700	11 400	44.0

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51.8m (170 Ft.) BOOM							
9.1	83.0	53.8	128 800 *				9.1
10.0	82.1	53.6	124 300				10.0
11.0	81.0	53.5	106 200	93 000	81 700		11.0
12.0	79.8	53.3	92 700	82 200	73 700		12.0
13.0	78.7	53.1	82 100	73 500	66 400	60 300	13.0
14.0	77.6	52.9	73 500	66 400	60 300	55 200	14.0
15.0	76.4	52.6	66 300	60 300	55 200	50 700	15.0
16.0	75.3	52.3	60 300	55 100	50 800	46 900	16.0
18.0	73.0	51.7	50 800	46 900	43 500	40 500	18.0
20.0	70.6	51.0	43 600	40 600	37 900	35 400	20.0
22.0	68.3	50.2	37 900	35 500	33 300	31 300	22.0
24.0	65.8	49.4	33 300	31 400	29 600	27 900	24.0
26.0	63.4	48.4	29 600	27 900	26 400	25 000	26.0
28.0	60.8	47.3	26 400	25 000	23 800	22 600	28.0
30.0	58.3	46.0	23 800	22 600	21 500	20 500	30.0
32.0	55.6	44.7	21 500	20 500	19 500	18 600	32.0
34.0	52.8	43.2	19 500	18 600	17 800	17 000	34.0
36.0	50.0	41.5	17 700	16 900	16 200	15 600	36.0
38.0	47.0	39.7	16 200	15 500	14 900	14 300	38.0
40.0	43.8	37.7	14 800	14 200	13 700	13 100	40.0
42.0	40.4	35.4	13 500	13 000	12 600	12 100	42.0
44.0	36.8	32.8	12 400	12 000	11 600	11 200	44.0
46.0	32.8	29.8	11 400	11 000	10 700	10 300	46.0
48.0	28.4	26.3	10 500	10 200	9 900	9 500	48.0
54.9m (180 Ft.) BOOM							
9.8	82.8	56.8	124 500 *				9.8
10.0	82.5	56.7	121 300				10.0
11.0	81.5	56.6	106 000	92 100			11.0
12.0	80.4	56.4	92 500	81 400	72 500		12.0
13.0	79.3	56.2	81 800	72 800	65 400	59 200	13.0
14.0	78.3	56.0	73 200	65 700	59 500	54 100	14.0
15.0	77.2	55.7	66 000	59 800	54 400	49 800	15.0
16.0	76.1	55.5	60 000	54 600	50 000	46 000	16.0
18.0	74.0	54.9	50 500	46 400	42 900	39 700	18.0
20.0	71.8	54.3	43 300	40 100	37 300	34 800	20.0
22.0	69.5	53.5	37 600	35 000	32 800	30 700	22.0
24.0	67.3	52.7	33 000	31 000	29 100	27 300	24.0
26.0	65.0	51.8	29 300	27 500	26 000	24 500	26.0
28.0	62.6	50.7	26 100	24 700	23 300	22 100	28.0
30.0	60.2	49.6	23 500	22 200	21 100	20 000	30.0
32.0	57.8	48.4	21 200	20 100	19 100	18 100	32.0
34.0	55.2	47.0	19 200	18 200	17 300	16 600	34.0
36.0	52.6	45.5	17 400	16 600	15 800	15 100	36.0
38.0	49.9	43.8	15 900	15 100	14 500	13 800	38.0
40.0	47.1	42.0	14 500	13 800	13 200	12 700	40.0
42.0	44.1	40.0	13 200	12 700	12 200	11 700	42.0
44.0	41.0	37.7	12 100	11 600	11 200	10 700	44.0
46.0	37.6	35.2	11 100	10 700	10 300	9 900	46.0
48.0	33.9	32.3	10 200	9 800	9 400	9 100	48.0
50.0	29.9	29.0	9 300	9 000	8 700	8 400	50.0


M-250

Liftcrane Boom Capacities

Boom No. 44 With Heavy Lift Top
75 750 kg Counterweight
Crawler Machine on a Static Barge
0 Degree thru 3 Degree Static Machine List
No Travel - 360 Degree Rating

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
57.9m (190 Ft.) BOOM							
10.4	82.6	59.7	109 400 *				10.4
11.0	81.9	59.7	106 000	79 700 *			11.0
12.0	80.9	59.5	92 300	78 700 *			12.0
13.0	79.9	59.3	81 600	72 200	63 900		13.0
14.0	78.9	59.1	73 000	65 200	58 700	53 100	14.0
15.0	77.9	58.9	65 800	59 200	53 700	48 900	15.0
16.0	76.9	58.6	59 800	54 200	49 300	45 200	16.0
18.0	74.8	58.1	50 300	46 000	42 300	39 000	18.0
20.0	72.8	57.5	43 000	39 700	36 800	34 100	20.0
22.0	70.7	56.8	37 300	34 700	32 300	30 100	22.0
24.0	68.5	56.0	32 800	30 600	28 600	26 800	24.0
26.0	66.4	55.1	29 000	27 200	25 500	24 000	26.0
28.0	64.2	54.2	25 900	24 300	22 900	21 600	28.0
30.0	61.9	53.1	23 200	21 900	20 700	19 500	30.0
32.0	59.7	52.0	20 900	19 800	18 700	17 700	32.0
34.0	57.3	50.7	18 900	17 900	17 000	16 100	34.0
36.0	54.9	49.3	17 200	16 300	15 500	14 700	36.0
38.0	52.4	47.8	15 600	14 800	14 100	13 500	38.0
40.0	49.9	46.1	14 200	13 500	12 900	12 300	40.0
42.0	47.2	44.3	13 000	12 400	11 800	11 300	42.0
44.0	44.4	42.3	11 900	11 300	10 800	10 400	44.0
46.0	41.4	40.1	10 800	10 300	9 900	9 500	46.0
48.0	38.3	37.6	9 900	9 500	9 100	8 700	48.0
50.0	34.9	34.8	9 100	8 700	8 300	8 000	50.0
52.0	31.2	31.6	8 300	8 000	7 600	7 400	52.0

Liftcrane Boom Capacities

Boom No. 44 With Heavy Lift Top
75 750 kg Counterweight
Crawler Machine on a Static Barge
0 Degree thru 3 Degree Static Machine List
No Travel - 360 Degree Rating

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
61.0m (200 Ft.) BOOM							
10.4	82.9	62.8	105 800 *				10.4
11.0	82.3	62.7	104 600				11.0
12.0	81.4	62.6	92 200	76 300 *			12.0
13.0	80.4	62.4	81 400	71 800	61 800		13.0
14.0	79.5	62.2	72 700	64 500	57 800	51 500 *	14.0
15.0	78.5	62.0	65 600	58 700	52 900	48 000	15.0
16.0	77.5	61.8	59 500	53 600	48 600	44 300	16.0
18.0	75.6	61.3	50 000	45 500	41 700	38 300	18.0
20.0	73.6	60.7	42 700	39 200	36 200	33 500	20.0
22.0	71.7	60.0	37 100	34 200	31 800	29 500	22.0
24.0	69.7	59.3	32 500	30 200	28 100	26 200	24.0
26.0	67.6	58.5	28 700	26 800	25 100	23 500	26.0
28.0	65.6	57.6	25 600	23 900	22 500	21 100	28.0
30.0	63.5	56.6	22 900	21 500	20 200	19 000	30.0
32.0	61.3	55.5	20 600	19 400	18 300	17 300	32.0
34.0	59.2	54.3	18 600	17 500	16 600	15 700	34.0
36.0	56.9	53.0	16 800	15 900	15 100	14 300	36.0
38.0	54.6	51.6	15 300	14 400	13 700	13 000	38.0
40.0	52.3	50.1	13 900	13 200	12 500	11 900	40.0
42.0	49.8	48.4	12 700	12 000	11 400	10 900	42.0
44.0	47.3	46.6	11 500	11 000	10 400	9 900	44.0
46.0	44.6	44.6	10 500	10 000	9 500	9 100	46.0
48.0	41.8	42.4	9 600	9 200	8 700	8 300	48.0
50.0	38.9	40.0	8 800	8 300	8 000	7 600	50.0
52.0	35.7	37.3	8 000	7 600	7 300	7 000	52.0
54.0	32.3	34.2	7 300	6 900	6 600	6 300	54.0
56.0	28.5	30.7	6 600	6 300	6 100	5 800	56.0


M-250

Liftcrane Boom Capacities

Boom No. 44 With Heavy Lift Top
75 750 kg Counterweight
Crawler Machine on a Static Barge
0 Degree thru 3 Degree Static Machine List
No Travel - 360 Degree Rating

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
64.0m (210 Ft.) BOOM							
11.0	82.7	65.8	102 100 *				11.0
12.0	81.8	65.7	92 300				12.0
13.0	80.9	65.5	81 300	70 800			13.0
14.0	80.0	65.3	72 600	64 100	57 100		14.0
15.0	79.1	65.1	65 400	58 300	52 300	47 400	15.0
16.0	78.1	64.9	59 400	53 300	48 100	43 600	16.0
18.0	76.3	64.4	49 800	45 200	41 200	37 700	18.0
20.0	74.4	63.9	42 600	39 000	35 800	33 000	20.0
22.0	72.6	63.2	36 900	34 000	31 400	29 100	22.0
24.0	70.7	62.5	32 400	30 000	27 800	25 900	24.0
26.0	68.8	61.8	28 600	26 600	24 800	23 100	26.0
28.0	66.8	60.9	25 500	23 800	22 200	20 800	28.0
30.0	64.8	60.0	22 800	21 300	20 000	18 800	30.0
32.0	62.8	59.0	20 500	19 200	18 100	17 000	32.0
34.0	60.8	57.9	18 500	17 400	16 400	15 400	34.0
36.0	58.7	56.7	16 700	15 800	14 900	14 000	36.0
38.0	56.6	55.4	15 200	14 300	13 500	12 800	38.0
40.0	54.4	53.9	13 800	13 000	12 300	11 700	40.0
42.0	52.1	52.4	12 500	11 900	11 200	10 600	42.0
44.0	49.8	50.7	11 400	10 800	10 200	9 700	44.0
46.0	47.4	48.9	10 400	9 800	9 400	8 900	46.0
48.0	44.8	46.9	9 500	9 000	8 500	8 100	48.0
50.0	42.2	44.8	8 600	8 200	7 800	7 400	50.0
52.0	39.4	42.4	7 900	7 500	7 100	6 700	52.0
54.0	36.4	39.7	7 200	6 800	6 500	6 100	54.0
56.0	33.2	36.8	6 500	6 200	5 900	5 600	56.0
58.0	29.7	33.4	5 900	5 600	5 300	5 100	58.0

Liftcrane Boom Capacities

M-250

Boom No. 44 With Heavy Lift Top
75 750 kg Counterweight
Crawler Machine on a Static Barge
0 Degree thru 3 Degree Static Machine List
No Travel - 360 Degree Rating

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
67.1m (220 Ft.) BOOM							
11.6	82.5	68.8	97 000				11.6
12.0	82.2	68.7	91 900				12.0
13.0	81.3	68.6	81 100	69 800			13.0
14.0	80.4	68.4	72 400	63 500	56 200		14.0
15.0	79.6	68.2	65 200	57 700	51 500	45 700	15.0
16.0	78.7	68.0	59 200	52 800	47 400	43 600	16.0
18.0	76.9	67.6	49 600	44 700	40 600	37 000	18.0
20.0	75.2	67.0	42 300	38 600	35 300	32 300	20.0
22.0	73.4	66.4	36 700	33 600	30 900	28 500	22.0
24.0	71.6	65.8	32 100	29 600	27 300	25 300	24.0
26.0	69.8	65.1	28 300	26 200	24 400	22 600	26.0
28.0	67.9	64.2	25 100	23 400	21 800	20 300	28.0
30.0	66.1	63.4	22 500	20 900	19 600	18 300	30.0
32.0	64.2	62.4	20 200	18 900	17 600	16 500	32.0
34.0	62.2	61.4	18 200	17 000	15 900	15 000	34.0
36.0	60.3	60.2	16 400	15 400	14 500	13 600	36.0
38.0	58.3	59.0	14 900	13 900	13 100	12 300	38.0
40.0	56.2	57.7	13 500	12 700	11 900	11 200	40.0
42.0	54.1	56.3	12 200	11 500	10 800	10 200	42.0
44.0	52.0	54.7	11 100	10 500	9 900	9 300	44.0
46.0	49.7	53.0	10 100	9 500	9 000	8 500	46.0
48.0	47.4	51.2	9 200	8 700	8 200	7 700	48.0
50.0	45.0	49.3	8 300	7 900	7 400	7 000	50.0
52.0	42.5	47.1	7 500	7 100	6 700	6 400	52.0
54.0	39.9	44.8	6 800	6 400	6 100	5 700	54.0
56.0	37.1	42.2	6 200	5 800	5 500	5 200	56.0
58.0	34.1	39.3	5 600	5 200	5 000	4 700	58.0
60.0	30.9	36.1	5 000	4 700	4 400	4 200	60.0
62.0	27.3	32.4	4 500	4 200	4 000	3 800	62.0

Liftcrane Boom Capacities

Boom No. 44 With Heavy Lift Top
75 750 kg Counterweight
Crawler Machine on a Static Barge
0 Degree thru 3 Degree Static Machine List
No Travel - 360 Degree Rating

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
70.1m (230 Ft.) BOOM							
11.6	82.9	71.9	87 600 *				11.6
12.0	82.5	71.8	87 100 *				12.0
13.0	81.7	71.7	81 100	62 600 *			13.0
14.0	80.9	71.5	72 100	61 000 *			14.0
15.0	80.0	71.3	65 000	57 400	48 400 *		15.0
16.0	79.2	71.1	58 900	52 200	46 500	38 700 *	16.0
18.0	77.5	70.7	49 300	44 300	40 100	36 400	18.0
20.0	75.8	70.2	42 100	38 200	34 700	31 800	20.0
22.0	74.1	69.6	36 400	33 200	30 500	28 000	22.0
24.0	72.4	69.0	31 800	29 200	26 900	24 800	24.0
26.0	70.7	68.3	28 000	25 900	23 900	22 200	26.0
28.0	68.9	67.5	24 900	23 100	21 400	19 800	28.0
30.0	67.2	66.7	22 200	20 600	19 200	17 900	30.0
32.0	65.4	65.8	19 900	18 500	17 300	16 100	32.0
34.0	63.6	64.8	17 900	16 700	15 600	14 600	34.0
36.0	61.7	63.7	16 200	15 100	14 100	13 200	36.0
38.0	59.8	62.6	14 600	13 600	12 800	12 000	38.0
40.0	57.9	61.3	13 200	12 400	11 600	10 900	40.0
42.0	55.9	60.0	12 000	11 200	10 500	9 900	42.0
44.0	53.9	58.6	10 800	10 200	9 600	9 000	44.0
46.0	51.8	57.0	9 800	9 200	8 700	8 100	46.0
48.0	49.7	55.3	8 900	8 300	7 900	7 400	48.0
50.0	47.5	53.5	8 100	7 500	7 100	6 700	50.0
52.0	45.2	51.6	7 300	6 800	6 400	6 000	52.0
54.0	42.8	49.4	6 600	6 100	5 800	5 400	54.0
56.0	40.3	47.1	5 900	5 500	5 200	4 900	56.0
58.0	37.7	44.6	5 300	5 000	4 600	4 300	58.0
60.0	34.9	41.8	4 700	4 400	4 100	3 900	60.0
62.0	31.8	38.7	4 200	3 900	3 600	3 400	62.0
64.0	28.5	35.1	3 700	3 400	3 200	3 000	64.0

Liftcrane Boom Capacities

M-250

Boom No. 44 With Heavy Lift Top
75 750 kg Counterweight
Crawler Machine on a Static Barge
0 Degree thru 3 Degree Static Machine List
No Travel - 360 Degree Rating

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
73.2m (240 Ft.) BOOM							
12.2	82.7	74.9	84 200 *				12.2
13.0	82.0	74.8	81 100				13.0
14.0	81.2	74.6	71 900	58 000 *			14.0
15.0	80.4	74.4	64 700	56 100	44 600 *		15.0
16.0	79.6	74.2	58 700	52 400	44 100		16.0
18.0	78.0	73.8	49 100	43 800	39 800	34 500 *	18.0
20.0	76.4	73.3	41 800	37 700	34 200	31 100	20.0
22.0	74.8	72.8	36 100	32 800	29 900	27 400	22.0
24.0	73.2	72.2	31 500	28 800	26 400	24 300	24.0
26.0	71.5	71.5	27 800	25 500	23 500	21 600	26.0
28.0	69.9	70.8	24 600	22 600	21 000	19 300	28.0
30.0	68.2	70.0	21 900	20 200	18 800	17 400	30.0
32.0	66.5	69.2	19 600	18 100	16 900	15 600	32.0
34.0	64.7	68.2	17 600	16 300	15 200	14 100	34.0
36.0	63.0	67.2	15 800	14 700	13 700	12 700	36.0
38.0	61.2	66.1	14 300	13 300	12 400	11 500	38.0
40.0	59.4	64.9	12 900	12 000	11 200	10 500	40.0
42.0	57.5	63.7	11 600	10 800	10 100	9 500	42.0
44.0	55.6	62.3	10 500	9 800	9 200	8 600	44.0
46.0	53.7	60.9	9 500	8 800	8 300	7 700	46.0
48.0	51.7	59.3	8 600	8 000	7 500	7 000	48.0
50.0	49.7	57.6	7 700	7 200	6 700	6 300	50.0
52.0	47.6	55.8	7 000	6 500	6 100	5 600	52.0
54.0	45.4	53.9	6 300	5 800	5 400	5 000	54.0
56.0	43.1	51.8	5 600	5 200	4 800	4 400	56.0
58.0	40.7	49.5	5 000	4 600	4 300	4 000	58.0
60.0	38.2	47.0	4 400	4 100	3 800	3 500	60.0
62.0	35.6	44.3	3 900	3 600	3 300	3 000	62.0
64.0	32.7	41.2	3 400	3 100	2 900	2 600	64.0
66.0	29.6	37.8	2 900	2 700	2 400	2 200	66.0
68.0	26.2	34.0	2 500	2 200	2 000	1 900	68.0


M-250

Liftcrane Boom Capacities

Boom No. 44 With Heavy Lift Top
75 750 kg Counterweight
Crawler Machine on a Static Barge
0 Degree thru 3 Degree Static Machine List
No Travel - 360 Degree Rating

Oper. Radius Meters	Boom Angle Deg.	Boom Point Elev. Meters	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meters
76.2m (250 Ft.) BOOM							
12.2	83.0	78.0	81 200 *				12.2
13.0	82.4	77.8	79 800				13.0
14.0	81.6	77.7	72 300	54 700 *			14.0
15.0	80.8	77.5	65 100	54 300 *			15.0
16.0	80.1	77.3	59 000	52 100	40 800 *		16.0
18.0	78.5	76.9	49 400	44 100	39 200	31 700 *	18.0
20.0	77.0	76.5	42 200	37 900	34 300	31 300	20.0
22.0	75.4	76.0	36 500	33 000	30 100	27 500	22.0
24.0	73.9	75.4	31 900	29 100	26 600	24 400	24.0
26.0	72.3	74.8	28 100	25 800	23 700	21 800	26.0
28.0	70.7	74.1	25 000	23 000	21 200	19 600	28.0
30.0	69.1	73.3	22 300	20 600	19 000	17 600	30.0
32.0	67.5	72.5	20 000	18 500	17 100	15 900	32.0
34.0	65.8	71.6	18 000	16 700	15 500	14 400	34.0
36.0	64.2	70.6	16 200	15 100	14 000	13 000	36.0
38.0	62.5	69.6	14 700	13 600	12 700	11 800	38.0
40.0	60.7	68.5	13 300	12 400	11 500	10 700	40.0
42.0	59.0	67.3	12 000	11 200	10 400	9 700	42.0
44.0	57.2	66.0	10 900	10 200	9 500	8 800	44.0
46.0	55.4	64.6	9 900	9 200	8 600	8 000	46.0
48.0	53.5	63.2	9 000	8 400	7 800	7 300	48.0
50.0	51.6	61.6	8 100	7 600	7 100	6 600	50.0
52.0	49.6	59.9	7 400	6 800	6 400	5 900	52.0
54.0	47.6	58.1	6 700	6 200	5 700	5 300	54.0
56.0	45.5	56.2	6 000	5 500	5 200	4 800	56.0
58.0	43.4	54.1	5 400	5 000	4 600	4 300	58.0
60.0	41.1	51.8	4 800	4 400	4 100	3 800	60.0
62.0	38.7	49.4	4 300	3 900	3 600	3 400	62.0
64.0	36.2	46.7	3 800	3 400	3 200	2 900	64.0
66.0	33.5	43.8	3 300	3 000	2 800	2 500	66.0
68.0	30.6	40.5	2 900	2 600	2 400	2 200	68.0
70.0	27.5	36.8	2 500	2 200	2 000	1 800	70.0

Liftcrane Boom Capacities

M-250

Boom No. 44 With Heavy Lift Top
75 750 kg Counterweight
Crawler Machine on a Static Barge
0 Degree thru 3 Degree Static 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
79.2m (260 Ft.) BOOM							
12.8	82.8	81.0	76 800 *				12.8
13.0	82.7	80.9	76 300 *				13.0
14.0	81.9	80.8	72 000				14.0
15.0	81.2	80.6	64 800	49 700 *			15.0
16.0	80.5	80.4	58 700	49 100	36 900 *		16.0
18.0	79.0	80.1	49 200	44 000	36 600 *	28 400 *	18.0
20.0	77.5	79.6	41 900	37 500	33 800	28 200	20.0
22.0	76.0	79.1	36 200	32 700	29 600	27 200	22.0
24.0	74.5	78.6	31 600	28 700	26 100	23 900	24.0
26.0	73.0	78.0	27 800	25 400	23 200	21 300	26.0
28.0	71.5	77.3	24 700	22 600	20 700	19 100	28.0
30.0	69.9	76.6	22 000	20 200	18 600	17 200	30.0
32.0	68.4	75.8	19 700	18 100	16 700	15 500	32.0
34.0	66.8	74.9	17 700	16 300	15 100	13 900	34.0
36.0	65.2	74.0	15 900	14 700	13 600	12 600	36.0
38.0	63.6	73.0	14 400	13 300	12 300	11 400	38.0
40.0	62.0	72.0	13 000	12 000	11 100	10 300	40.0
42.0	60.3	70.8	11 700	10 900	10 100	9 300	42.0
44.0	58.6	69.6	10 600	9 800	9 100	8 500	44.0
46.0	56.9	68.3	9 600	8 900	8 200	7 600	46.0
48.0	55.1	67.0	8 700	8 000	7 500	6 900	48.0
50.0	53.3	65.5	7 800	7 200	6 700	6 200	50.0
52.0	51.5	63.9	7 000	6 500	6 000	5 600	52.0
54.0	49.6	62.2	6 300	5 800	5 400	5 000	54.0
56.0	47.7	60.4	5 700	5 200	4 800	4 400	56.0
58.0	45.7	58.5	5 000	4 600	4 300	3 900	58.0
60.0	43.6	56.4	4 500	4 100	3 800	3 400	60.0
62.0	41.4	54.2	4 000	3 600	3 300	3 000	62.0
64.0	39.1	51.8	3 400	3 100	2 900	2 600	64.0
66.0	36.8	49.2	3 000	2 700	2 400	2 200	66.0
68.0	34.2	46.3	2 600	2 300	2 000		68.0
70.0	31.5	43.1	2 100	1 900			70.0