

Liftcrane Boom Capacities

Boom No. 49A-44 With Heavy Lift Top
76 750 kg (2250) Crane Counterweight
or 75 750 kg (M-250) Crane Counterweight
27 220 kg Carbody Counterweight
0 kg Thru 102 060 kg Wheeled Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

MAX-ER 225
On 2250 or
M-250

LIFTING CAPACITIES: 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 (*).

Wheeled counterweight must be attached to support beam and MAX-ER mode must be selected to operate. Swing and travel (forward or side crawl) requires proper position of counterweight wheels when contacting ground. Exit MAX-ER mode before operating without wheeled counterweight.

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 capacities.

Weight of jib, all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib 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 and mast up. Refer to boom rigging **No. 175604** or **No. 192107**, Wire Rope Specification chart **No. 7581-D** and Counterweight Arrangement chart **No. 7692-A** or **No. 8026-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface with boom within boom angle range shown in capacity chart. Travel may be limited depending upon ground conditions. Refer to Swing and Travel Specification chart **No. 7758-A** or Maximum Allowable Travel Specification chart **No. 7710-A** when operating without load.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation 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 ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with MAX-ER 225, 9 373 mm crawlers, 1 219 mm treads, 8 534 mm retractable gantry, 39.6m mast, 8 part boom hoist reeving, four 38 mm boom pendants or boom support straps, 76 750 kg (2250) crane counterweight or 75 750 kg (M-250) crane counterweight, two 13 610 kg carbody counterweights and wheeled counterweight as specified.

WARNING: Check amount of wheeled counterweight on machine before use of this chart. Refer to Counterweight Assembly.

Consult jib chart for jib capacities. Upper boom point cannot be used when jib is attached.



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Maximum Boom and Jib Lengths Lifted Unassisted					
Over Front of Blocked Crawlers		Over Rear of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 132	Boom Length	Jib No. 132	Boom Length	Jib No. 132
0 kg Wheeled Counterweight					
91.4m	---	91.4m	---	85.3m	---
85.3m	18.3m	85.3m	12.2m	79.2m	---
79.2m	36.6m	79.2m	30.5m	73.2m	30.5m
		73.2m	36.6m	67.1m	36.6m
24 950 kg Wheeled Counterweight					
103.6m	---	103.6m	---	97.5m	---
97.5m	12.2m	97.5m	---	91.4m	---
91.4m	30.5m	91.4m	24.4m	85.3m	24.4m
85.3m	36.6m	85.3m	36.6m	79.2m	36.6m
61 230 kg Wheeled Counterweight					
103.6m	---	103.6m	---	103.6m	---
103.6m	24.4m	103.6m	24.4m	103.6m	12.2m
97.5m	36.6m	97.5m	36.6m	97.5m	30.5m
				91.4m	36.6m
102 060 kg Wheeled Counterweight					
103.6m	---	103.6m	---	103.6m	---
103.6m	36.6m	103.6m	36.6m	103.6m	36.6m
Load block, hook and weight ball on ground at start.					

Deduct From Capacities When Jib Is Attached	
Jib Length	Jib No. 132
12.2m	2 900 kg
18.3m	3 720 kg
24.4m	4 670 kg
30.5m	5 810 kg
36.6m	6 940 kg

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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Wheeled Counterweight Boom Capacity Kilograms	24 950 kg Wheeled Counterweight Boom Capacity Kilograms	61 230 kg Wheeled Counterweight Boom Capacity Kilograms	102 060 kg Wheeled Counterweight Boom Capacity Kilograms	Oper. Rad. Meters
42.7m (140 Ft.) BOOM							
7.9	82.7	45.3	205 000 *	226 700 *	226 700 *	226 700 *	7.9
8.0	82.6	45.3	203 300 *	224 900 *	226 700 *	226 700 *	8.0
8.5	82.0	45.2	192 100 *	212 500 *	226 300 *	226 300 *	8.5
9.0	81.3	45.1	182 000 *	200 900 *	222 700 *	225 900 *	9.0
10.0	79.9	44.9	164 500 *	181 000 *	202 400 *	223 400 *	10.0
11.0	78.5	44.7	149 500	164 600 *	184 100 *	206 100 *	11.0
12.0	77.2	44.5	130 700	150 700 *	168 700 *	188 900 *	12.0
13.0	75.8	44.2	115 900	138 900 *	155 600 *	174 300 *	13.0
14.0	74.4	43.9	104 000	126 800	144 200 *	161 700 *	14.0
15.0	73.0	43.6	94 000	114 900	134 300 *	150 700 *	15.0
16.0	71.5	43.2	85 700	104 900	125 600 *	141 000 *	16.0
18.0	68.7	42.5	72 400	89 000	111 000 *	124 700 *	18.0
20.0	65.7	41.6	62 400	77 000	97 500	111 600 *	20.0
22.0	62.7	40.6	54 500	67 600	85 800	100 800 *	22.0
24.0	59.6	39.4	48 200	59 900	76 400	91 700 *	24.0
26.0	56.4	38.1	43 000	53 700	68 700	84 100 *	26.0
28.0	53.1	36.6	38 600	48 400	62 200	77 400	28.0
30.0	49.6	35.0	34 900	44 000	56 700	71 200	30.0
32.0	45.9	33.1	31 700	40 100	52 000	65 400	32.0
34.0	41.9	30.9	28 900	36 800	47 900	60 400	34.0
36.0	37.6	28.4	26 500	33 800	44 300	56 000	36.0
38.0	32.8	25.4	24 300	31 200	41 100	52 000	38.0



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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Wheeled Counterweight Boom Capacity Kilograms	24 950 kg Wheeled Counterweight Boom Capacity Kilograms	61 230 kg Wheeled Counterweight Boom Capacity Kilograms	102 060 kg Wheeled Counterweight Boom Capacity Kilograms	Oper. Rad. Meters
48.8m (160 Ft.) BOOM							
8.5	82.9	51.3	190 600 *	211 000 *	225 800 *	225 800 *	8.5
9.0	82.4	51.3	181 400 *	200 400 *	221 700 *	225 500 *	9.0
10.0	81.2	51.1	163 900 *	180 400 *	201 800 *	222 900 *	10.0
11.0	80.0	50.9	149 200	164 000 *	183 600 *	205 600 *	11.0
12.0	78.8	50.7	130 500	150 200 *	168 200 *	188 500 *	12.0
13.0	77.6	50.5	115 700	138 400 *	155 100 *	173 800 *	13.0
14.0	76.4	50.2	103 800	126 600	143 700 *	161 300 *	14.0
15.0	75.2	50.0	93 800	114 700	133 900 *	150 200 *	15.0
16.0	73.9	49.7	85 500	104 700	125 100 *	140 600 *	16.0
18.0	71.5	49.0	72 200	88 800	110 500 *	124 300 *	18.0
20.0	68.9	48.2	62 200	76 800	97 300	111 200 *	20.0
22.0	66.4	47.4	54 300	67 300	85 600	100 400 *	22.0
24.0	63.8	46.4	48 000	59 700	76 200	91 400 *	24.0
26.0	61.1	45.3	42 800	53 500	68 500	83 700 *	26.0
28.0	58.3	44.1	38 400	48 200	62 000	77 100 *	28.0
30.0	55.5	42.7	34 700	43 700	56 500	71 000	30.0
32.0	52.6	41.2	31 500	39 900	51 800	65 100	32.0
34.0	49.5	39.5	28 700	36 600	47 700	60 200	34.0
36.0	46.3	37.7	26 200	33 600	44 100	55 800	36.0
38.0	42.9	35.6	24 000	31 000	40 800	51 900	38.0
40.0	39.2	33.2	22 100	28 700	38 000	48 400	40.0
42.0	35.2	30.4	20 400	26 600	35 500	45 300	42.0
44.0	30.8	27.2	18 800	24 800	33 100	42 500	44.0



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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Wheeled Counterweight Boom Capacity Kilograms	24 950 kg Wheeled Counterweight Boom Capacity Kilograms	61 230 kg Wheeled Counterweight Boom Capacity Kilograms	102 060 kg Wheeled Counterweight Boom Capacity Kilograms	Oper. Rad. Meters
54.9m (180 Ft.) BOOM							
9.8	82.4	57.3	165 500 *	183 700 *	205 600 *	224 500 *	9.8
10.0	82.2	57.3	161 600 *	179 300 *	200 700 *	221 400 *	10.0
11.0	81.1	57.1	146 900	162 700 *	182 200 *	204 200 *	11.0
12.0	80.1	56.9	130 100	148 800 *	166 900 *	187 100 *	12.0
13.0	79.0	56.7	115 000	137 000 *	153 700 *	172 500 *	13.0
14.0	77.9	56.5	103 000	125 800	142 400 *	159 900 *	14.0
15.0	76.8	56.3	93 000	113 900	132 500 *	148 900 *	15.0
16.0	75.8	56.0	84 600	103 800	123 800 *	139 200 *	16.0
18.0	73.6	55.4	71 300	87 900	109 200 *	122 900 *	18.0
20.0	71.4	54.8	61 200	75 800	96 300	109 800 *	20.0
22.0	69.2	54.0	53 200	66 200	84 500	99 000 *	22.0
24.0	66.9	53.2	46 900	58 600	75 100	90 000 *	24.0
26.0	64.6	52.2	41 600	52 300	67 300	82 300 *	26.0
28.0	62.2	51.2	37 200	47 000	60 800	75 700 *	28.0
30.0	59.8	50.0	33 500	42 500	55 300	69 600	30.0
32.0	57.3	48.8	30 300	38 700	50 500	63 900	32.0
34.0	54.8	47.4	27 400	35 300	46 400	58 900	34.0
36.0	52.2	45.8	24 900	32 400	42 800	54 500	36.0
38.0	49.4	44.1	22 800	29 800	39 600	50 600	38.0
40.0	46.6	42.3	20 800	27 400	36 700	47 100	40.0
42.0	43.6	40.2	19 100	25 300	34 100	44 000	42.0
44.0	40.4	37.9	17 500	23 400	31 800	41 200	44.0
46.0	37.0	35.4	16 100	21 800	29 700	38 700	46.0
48.0	33.3	32.4	14 800	20 200	27 800	36 300	48.0
50.0	29.1	29.0	13 500	18 700	26 000	34 200	50.0



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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Wheeled Counterweight Boom Capacity Kilograms	24 950 kg Wheeled Counterweight Boom Capacity Kilograms	61 230 kg Wheeled Counterweight Boom Capacity Kilograms	102 060 kg Wheeled Counterweight Boom Capacity Kilograms	Oper. Rad. Meters
61.0m (200 Ft.) BOOM							
10.4	82.6	63.4	155 100 *	172 500 *	193 200 *	216 400 *	10.4
11.0	82.0	63.3	146 100	162 400 *	181 900 *	203 900 *	11.0
12.0	81.1	63.1	130 500	148 500 *	166 600 *	186 800 *	12.0
13.0	80.1	62.9	115 200	136 700 *	153 400 *	172 200 *	13.0
14.0	79.1	62.8	103 100	125 900	142 100 *	159 600 *	14.0
15.0	78.2	62.5	93 100	114 000	132 200 *	148 600 *	15.0
16.0	77.2	62.3	84 600	103 800	123 500 *	138 900 *	16.0
18.0	75.3	61.8	71 300	87 800	108 900 *	122 600 *	18.0
20.0	73.3	61.2	61 100	75 700	96 300	109 500 *	20.0
22.0	71.3	60.5	53 100	66 200	84 400	98 700 *	22.0
24.0	69.3	59.8	46 800	58 500	75 000	89 600 *	24.0
26.0	67.3	58.9	41 500	52 200	67 200	81 900 *	26.0
28.0	65.2	58.0	37 100	46 900	60 700	75 300 *	28.0
30.0	63.1	57.0	33 300	42 400	55 100	69 400	30.0
32.0	61.0	55.9	30 100	38 500	50 400	63 700	32.0
34.0	58.8	54.7	27 200	35 100	46 200	58 700	34.0
36.0	56.5	53.4	24 800	32 200	42 600	54 300	36.0
38.0	54.2	52.0	22 500	29 600	39 400	50 400	38.0
40.0	51.9	50.4	20 600	27 200	36 500	46 900	40.0
42.0	49.4	48.7	18 900	25 100	33 900	43 800	42.0
44.0	46.8	46.9	17 300	23 200	31 600	41 000	44.0
46.0	44.2	44.9	15 900	21 500	29 500	38 400	46.0
48.0	41.3	42.6	14 500	19 900	27 500	36 100	48.0
50.0	38.4	40.2	13 300	18 500	25 800	34 000	50.0
52.0	35.2	37.4	12 200	17 200	24 200	32 000	52.0
54.0	31.7	34.3	11 200	16 000	22 600	30 200	54.0
56.0	27.8	30.7	10 200	14 800	21 300	28 500	56.0

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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Wheeled Counterweight Boom Capacity Kilograms	24 950 kg Wheeled Counterweight Boom Capacity Kilograms	61 230 kg Wheeled Counterweight Boom Capacity Kilograms	102 060 kg Wheeled Counterweight Boom Capacity Kilograms	Oper. Rad. Meters
67.1m (220 Ft.) BOOM							
11.0	82.8	69.5	145 500 *	162 200 *	176 400 *	176 400 *	11.0
12.0	81.9	69.3	130 500	148 000 *	166 600 *	176 400 *	12.0
13.0	81.0	69.1	115 100	136 200 *	152 900 *	172 400 *	13.0
14.0	80.1	69.0	103 000	125 800	141 600 *	159 100 *	14.0
15.0	79.3	68.8	92 900	113 800	131 700 *	148 100 *	15.0
16.0	78.4	68.6	84 400	103 600	123 000 *	138 400 *	16.0
18.0	76.6	68.1	71 000	87 600	108 400 *	122 100 *	18.0
20.0	74.9	67.6	60 900	75 500	96 100	109 000 *	20.0
22.0	73.1	66.9	52 900	65 900	84 200	98 200 *	22.0
24.0	71.3	66.3	46 500	58 200	74 700	89 200 *	24.0
26.0	69.5	65.5	41 200	51 900	66 900	81 500 *	26.0
28.0	67.6	64.7	36 800	46 600	60 400	74 900 *	28.0
30.0	65.7	63.8	33 000	42 100	54 900	69 100	30.0
32.0	63.8	62.8	29 800	38 200	50 100	63 400	32.0
34.0	61.9	61.8	26 900	34 800	45 900	58 400	34.0
36.0	59.9	60.6	24 400	31 800	42 300	54 000	36.0
38.0	57.9	59.4	22 200	29 200	39 000	50 100	38.0
40.0	55.9	58.1	20 300	26 900	36 200	46 600	40.0
42.0	53.8	56.6	18 500	24 800	33 600	43 500	42.0
44.0	51.6	55.0	16 900	22 900	31 200	40 700	44.0
46.0	49.4	53.3	15 500	21 200	29 100	38 100	46.0
48.0	47.0	51.5	14 200	19 600	27 200	35 800	48.0
50.0	44.6	49.5	13 000	18 200	25 500	33 600	50.0
52.0	42.1	47.3	11 900	16 800	23 800	31 700	52.0
54.0	39.4	45.0	10 900	15 600	22 300	29 900	54.0
56.0	36.6	42.3	9 900	14 500	20 900	28 200	56.0
58.0	33.6	39.4	9 000	13 400	19 700	26 600	58.0
60.0	30.3	36.1	8 200	12 500	18 400	25 200	60.0
62.0	26.6	32.3	7 400	11 500	17 300	23 800	62.0



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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Wheeled Counterweight Boom Capacity Kilograms	24 950 kg Wheeled Counterweight Boom Capacity Kilograms	61 230 kg Wheeled Counterweight Boom Capacity Kilograms	102 060 kg Wheeled Counterweight Boom Capacity Kilograms	Oper. Rad. Meters
73.2m (240 Ft.) BOOM							
11.6	82.9	75.5	137 100 *	153 000 *	167 500 *	167 500 *	11.6
12.0	82.6	75.5	130 200	147 700 *	164 400 *	167 500 *	12.0
13.0	81.8	75.3	115 200	136 000 *	152 600 *	167 000 *	13.0
14.0	81.0	75.2	103 000	125 700 *	141 300 *	158 900 *	14.0
15.0	80.2	75.0	93 000	113 800	131 400 *	147 800 *	15.0
16.0	79.4	74.8	84 500	103 700	122 700 *	138 100 *	16.0
18.0	77.8	74.4	71 000	87 600	108 100 *	121 900 *	18.0
20.0	76.2	73.9	60 800	75 400	96 000	108 800 *	20.0
22.0	74.5	73.3	52 900	65 800	84 100	97 900 *	22.0
24.0	72.9	72.7	46 400	58 100	74 600	88 900 *	24.0
26.0	71.3	72.0	41 100	51 800	66 800	81 300 *	26.0
28.0	69.6	71.3	36 600	46 500	60 300	74 600 *	28.0
30.0	67.9	70.5	32 900	41 900	54 700	68 900 *	30.0
32.0	66.2	69.6	29 600	38 100	49 900	63 300	32.0
34.0	64.4	68.7	26 800	34 700	45 800	58 200	34.0
36.0	62.7	67.6	24 300	31 700	42 100	53 800	36.0
38.0	60.9	66.5	22 100	29 100	38 900	49 900	38.0
40.0	59.1	65.3	20 100	26 700	36 000	46 400	40.0
42.0	57.2	64.1	18 400	24 600	33 400	43 300	42.0
44.0	55.3	62.7	16 800	22 700	31 100	40 500	44.0
46.0	53.4	61.2	15 300	21 000	29 000	37 900	46.0
48.0	51.4	59.6	14 000	19 400	27 000	35 600	48.0
50.0	49.3	57.9	12 800	18 000	25 300	33 400	50.0
52.0	47.2	56.1	11 700	16 700	23 600	31 500	52.0
54.0	45.0	54.1	10 700	15 400	22 200	29 700	54.0
56.0	42.7	52.0	9 700	14 300	20 800	28 000	56.0
58.0	40.3	49.7	8 800	13 200	19 500	26 500	58.0
60.0	37.8	47.2	8 000	12 300	18 300	25 000	60.0
62.0	35.1	44.4	7 300	11 400	17 200	23 700	62.0
64.0	32.2	41.3	6 500	10 500	16 100	22 400	64.0
66.0	29.1	37.8	5 800	9 700	15 100	21 200	66.0

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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Wheeled Counterweight Boom Capacity Kilograms	24 950 kg Wheeled Counterweight Boom Capacity Kilograms	61 230 kg Wheeled Counterweight Boom Capacity Kilograms	102 060 kg Wheeled Counterweight Boom Capacity Kilograms	Oper. Rad. Meters
79.2m (260 Ft.) BOOM							
12.2	83.0	81.6	126 900	144 500 *	146 400 *	146 400 *	12.2
13.0	82.4	81.5	115 000	135 200 *	145 400 *	145 400 *	13.0
14.0	81.7	81.3	102 800	125 100 *	140 800 *	142 400 *	14.0
15.0	80.9	81.2	92 700	113 700	130 900 *	139 600 *	15.0
16.0	80.2	81.0	84 200	103 400	122 200 *	135 600 *	16.0
18.0	78.7	80.6	70 800	87 300	107 600 *	121 900 *	18.0
20.0	77.3	80.1	60 600	75 200	95 800	108 300 *	20.0
22.0	75.8	79.6	52 600	65 600	83 900	97 500 *	22.0
24.0	74.3	79.1	46 100	57 900	74 400	88 500 *	24.0
26.0	72.7	78.5	40 800	51 500	66 500	80 800 *	26.0
28.0	71.2	77.8	36 400	46 200	60 000	74 200 *	28.0
30.0	69.7	77.1	32 600	41 700	54 400	68 400 *	30.0
32.0	68.1	76.3	29 300	37 700	49 600	63 000	32.0
34.0	66.5	75.4	26 500	34 400	45 500	58 000	34.0
36.0	65.0	74.5	24 000	31 400	41 800	53 500	36.0
38.0	63.3	73.5	21 800	28 800	38 600	49 600	38.0
40.0	61.7	72.4	19 800	26 400	35 700	46 100	40.0
42.0	60.0	71.3	18 000	24 300	33 100	43 000	42.0
44.0	58.3	70.0	16 500	22 400	30 800	40 200	44.0
46.0	56.6	68.7	15 000	20 700	28 600	37 600	46.0
48.0	54.8	67.3	13 700	19 100	26 700	35 300	48.0
50.0	53.0	65.8	12 500	17 700	25 000	33 100	50.0
52.0	51.2	64.2	11 400	16 300	23 300	31 200	52.0
54.0	49.3	62.5	10 400	15 100	21 800	29 400	54.0
56.0	47.3	60.7	9 400	14 000	20 400	27 700	56.0
58.0	45.3	58.8	8 500	13 000	19 200	26 100	58.0
60.0	43.2	56.7	7 700	12 000	17 900	24 700	60.0
62.0	41.0	54.4	6 900	11 000	16 900	23 300	62.0
64.0	38.8	52.0	6 200	10 200	15 800	22 100	64.0
66.0	36.3	49.3	5 600	9 400	14 800	20 900	66.0
68.0	33.8	46.4	4 900	8 600	13 900	19 800	68.0
70.0	31.0	43.2		7 900	13 000	18 700	70.0
72.0	28.1	39.5		7 300	12 200	17 700	72.0



Liftcrane Boom Capacities

Boom No. 49A-44 With Heavy Lift Top
 76 750 kg (2250) Crane Counterweight
 or 75 750 kg (M-250) Crane Counterweight
 27 220 kg Carbody Counterweight
 0 kg Thru 102 060 kg Wheeled Counterweight
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements

MAX-ER 225
On 2250 or
M-250

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Wheeled Counterweight Boom Capacity Kilograms	24 950 kg Wheeled Counterweight Boom Capacity Kilograms	61 230 kg Wheeled Counterweight Boom Capacity Kilograms	102 060 kg Wheeled Counterweight Boom Capacity Kilograms	Oper. Rad. Meters
85.3m (280 Ft.) BOOM							
13.4	82.7	87.6	109 700	130 200 *	131 700 *	131 700 *	13.4
14.0	82.3	87.5	102 800	124 400 *	130 200 *	130 200 *	14.0
15.0	81.6	87.3	92 700	113 700	127 600 *	127 600 *	15.0
16.0	80.9	87.2	84 100	103 300	122 800 *	125 100 *	16.0
18.0	79.5	86.8	70 600	87 200	107 400 *	119 800 *	18.0
20.0	78.2	86.4	60 400	75 000	95 400	108 000 *	20.0
22.0	76.8	85.9	52 400	65 400	83 700	97 200 *	22.0
24.0	75.4	85.4	45 900	57 600	74 200	88 100 *	24.0
26.0	74.0	84.8	40 600	51 300	66 300	80 500 *	26.0
28.0	72.6	84.2	36 100	46 000	59 800	73 900 *	28.0
30.0	71.2	83.5	32 300	41 400	54 200	68 100 *	30.0
32.0	69.8	82.8	29 100	37 500	49 400	62 800	32.0
34.0	68.3	82.0	26 300	34 100	45 200	57 700	34.0
36.0	66.9	81.2	23 700	31 100	41 600	53 300	36.0
38.0	65.4	80.3	21 600	28 500	38 300	49 300	38.0
40.0	63.9	79.3	19 600	26 200	35 400	45 900	40.0
42.0	62.4	78.3	17 800	24 100	32 800	42 700	42.0
44.0	60.8	77.1	16 200	22 200	30 500	39 900	44.0
46.0	59.3	76.0	14 800	20 400	28 400	37 300	46.0
48.0	57.7	74.7	13 400	18 800	26 500	35 000	48.0
50.0	56.1	73.4	12 200	17 400	24 700	32 900	50.0
52.0	54.4	72.0	11 100	16 100	23 100	30 900	52.0
54.0	52.8	70.5	10 100	14 900	21 600	29 100	54.0
56.0	51.0	68.9	9 100	13 700	20 200	27 400	56.0
58.0	49.3	67.1	8 300	12 700	18 900	25 900	58.0
60.0	47.5	65.3	7 400	11 700	17 700	24 400	60.0
62.0	45.6	63.4	6 700	10 800	16 600	23 100	62.0
64.0	43.7	61.3	5 900	9 900	15 500	21 800	64.0
66.0	41.7	59.1	5 300	9 100	14 600	20 600	66.0
68.0	39.6	56.7		8 400	13 600	19 500	68.0
70.0	37.4	54.2		7 700	12 700	18 500	70.0
72.0	35.1	51.4		7 000	12 000	17 500	72.0
74.0	32.6	48.3		6 400	11 200	16 600	74.0
76.0	30.0	44.9		5 800	10 400	15 700	76.0
78.0	27.1	41.2		5 200	9 700	14 500 *	78.0

Liftcrane Boom Capacities

Boom No. 49A-44 With Heavy Lift Top
76 750 kg (2250) Crane Counterweight
or 75 750 kg (M-250) Crane Counterweight
27 220 kg Carbody Counterweight
0 kg Thru 102 060 kg Wheeled Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

MAX-ER 225
On 2250 or
M-250

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Wheeled Counterweight Boom Capacity Kilograms	24 950 kg Wheeled Counterweight Boom Capacity Kilograms	61 230 kg Wheeled Counterweight Boom Capacity Kilograms	102 060 kg Wheeled Counterweight Boom Capacity Kilograms	Oper. Rad. Meters
91.4m (300 Ft.) BOOM							
14.0	82.8	93.7	102 300	102 400 *	102 400 *	102 400 *	14.0
15.0	82.2	93.5	92 300	100 500 *	100 500 *	100 500 *	15.0
16.0	81.5	93.4	83 800	98 300	98 600 *	98 600 *	16.0
18.0	80.3	93.0	70 300	87 700	94 800 *	94 800 *	18.0
20.0	79.0	92.6	60 100	74 700	90 900	91 000 *	20.0
22.0	77.7	92.2	52 000	65 000	83 900	87 300 *	22.0
24.0	76.4	91.7	45 500	57 300	73 800	83 700 *	24.0
26.0	75.1	91.2	40 200	50 900	66 000	80 000 *	26.0
28.0	73.8	90.6	35 800	45 600	59 400	73 400 *	28.0
30.0	72.5	90.0	32 000	41 000	53 800	67 600 *	30.0
32.0	71.2	89.3	28 700	37 200	49 000	62 400	32.0
34.0	69.8	88.6	25 800	33 800	44 800	57 300	34.0
36.0	68.5	87.8	23 300	30 800	41 200	52 900	36.0
38.0	67.1	87.0	21 100	28 100	37 900	49 000	38.0
40.0	65.8	86.1	19 200	25 800	35 000	45 500	40.0
42.0	64.4	85.1	17 400	23 700	32 500	42 300	42.0
44.0	63.0	84.1	15 800	21 800	30 100	39 500	44.0
46.0	61.5	83.0	14 400	20 000	28 000	37 000	46.0
48.0	60.1	81.9	13 000	18 500	26 000	34 600	48.0
50.0	58.6	80.7	11 800	17 000	24 300	32 500	50.0
52.0	57.1	79.4	10 700	15 700	22 700	30 500	52.0
54.0	55.6	78.0	9 700	14 500	21 200	28 700	54.0
56.0	54.1	76.6	8 800	13 300	19 800	27 100	56.0
58.0	52.5	75.1	7 900	12 300	18 500	25 500	58.0
60.0	50.9	73.5	7 100	11 300	17 300	24 000	60.0
62.0	49.3	71.7	6 300	10 400	16 200	22 700	62.0
64.0	47.6	69.9	5 600	9 600	15 100	21 500	64.0
66.0	45.8	68.0	4 900	8 700	14 200	20 300	66.0
68.0	44.0	66.0		8 000	13 300	19 200	68.0
70.0	42.2	63.8		7 300	12 400	18 100	70.0
72.0	40.3	61.5		6 600	11 500	17 100	72.0
74.0	38.3	59.0		6 000	10 800	16 200	74.0
76.0	36.2	56.3		5 400	10 000	15 300	76.0
78.0	33.9	53.4		4 800	9 300	14 500	78.0
80.0	31.6	50.2			8 700	13 600	80.0
82.0	29.1	46.7			8 100	12 100 *	82.0



Liftcrane Boom Capacities

Boom No. 49A-44 With Heavy Lift Top
 76 750 kg (2250) Crane Counterweight
 or 75 750 kg (M-250) Crane Counterweight
 27 220 kg Carbody Counterweight
 0 kg Thru 102 060 kg Wheeled Counterweight
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements

MAX-ER 225
On 2250 or
M-250

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Wheeled Counterweight Boom Capacity Kilograms	61 230 kg Wheeled Counterweight Boom Capacity Kilograms	102 060 kg Wheeled Counterweight Boom Capacity Kilograms	Oper. Rad. Meters
97.5m (320 Ft.) BOOM						
14.6	82.9	99.7	91 500 *	91 500 *	91 500 *	14.6
15.0	82.7	99.7	90 900 *	90 900 *	90 900 *	15.0
16.0	82.1	99.5	89 100 *	89 100 *	89 100 *	16.0
18.0	80.9	99.2	85 400	85 600 *	85 600 *	18.0
20.0	79.7	98.8	74 500	82 100 *	82 100 *	20.0
22.0	78.5	98.4	64 800	78 700 *	78 700 *	22.0
24.0	77.3	98.0	57 100	73 500	75 300 *	24.0
26.0	76.1	97.5	50 700	65 800	72 000 *	26.0
28.0	74.8	97.0	45 300	59 100	68 800 *	28.0
30.0	73.6	96.4	40 800	53 600	65 700 *	30.0
32.0	72.4	95.7	36 900	48 800	62 100	32.0
34.0	71.1	95.1	33 500	44 600	57 100	34.0
36.0	69.9	94.3	30 500	40 900	52 600	36.0
38.0	68.6	93.6	27 900	37 700	48 700	38.0
40.0	67.4	92.7	25 500	34 800	45 200	40.0
42.0	66.1	91.8	23 400	32 200	42 100	42.0
44.0	64.8	90.9	21 500	29 800	39 300	44.0
46.0	63.5	89.9	19 800	27 700	36 700	46.0
48.0	62.1	88.9	18 200	25 800	34 300	48.0
50.0	60.8	87.8	16 700	24 000	32 200	50.0
52.0	59.4	86.6	15 400	22 400	30 300	52.0
54.0	58.1	85.3	14 200	20 900	28 400	54.0
56.0	56.7	84.0	13 000	19 500	26 800	56.0
58.0	55.2	82.7	12 000	18 200	25 200	58.0
60.0	53.8	81.2	11 000	17 000	23 800	60.0
62.0	52.3	79.7	10 100	15 900	22 400	62.0
64.0	50.8	78.1	9 300	14 900	21 100	64.0
66.0	49.2	76.3	8 500	13 900	20 000	66.0
68.0	47.7	74.5	7 700	12 900	18 900	68.0
70.0	46.0	72.6	7 000	12 100	17 800	70.0
72.0	44.4	70.6	6 300	11 300	16 800	72.0
74.0	42.6	68.5	5 700	10 500	15 700	74.0
76.0	40.9	66.2	5 100	9 800	14 100 *	76.0
78.0	39.0	63.7		9 100	12 400 *	78.0
80.0	37.1	61.1		8 400	10 700 *	80.0
82.0	35.1	58.3		7 800	9 100 *	82.0
84.0	32.9	55.3		7 200	7 500 *	84.0
86.0	30.7	52.0		5 900 *	5 900 *	86.0

Liftcrane Boom Capacities

Boom No. 49A-44 With Heavy Lift Top
76 750 kg (2250) Crane Counterweight
or 75 750 kg (M-250) Crane Counterweight
27 220 kg Carbody Counterweight
0 kg Thru 102 060 kg Wheeled Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

MAX-ER 225
On 2250 or
M-250

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Wheeled Counterweight Boom Capacity Kilograms	61 230 kg Wheeled Counterweight Boom Capacity Kilograms	102 060 kg Wheeled Counterweight Boom Capacity Kilograms	Oper. Rad. Meters
103.6m (340 Ft.) BOOM						
15.2	83.0	105.8	73 900 *	73 900 *	73 900 *	15.2
16.0	82.5	105.7	72 900 *	72 900 *	72 900 *	16.0
18.0	81.4	105.4	70 100 *	70 100 *	70 100 *	18.0
20.0	80.3	105.0	67 300 *	67 300 *	67 300 *	20.0
22.0	79.2	104.7	63 800	64 500 *	64 500 *	22.0
24.0	78.0	104.2	56 800	61 800 *	61 800 *	24.0
26.0	76.9	103.8	50 300	59 100 *	59 100 *	26.0
28.0	75.8	103.3	44 900	56 400 *	56 400 *	28.0
30.0	74.6	102.7	40 400	53 100	53 800 *	30.0
32.0	73.5	102.1	36 500	48 300	51 300 *	32.0
34.0	72.3	101.5	33 100	44 100	48 800 *	34.0
36.0	71.1	100.8	30 000	40 500	46 400 *	36.0
38.0	70.0	100.1	27 400	37 200	44 100 *	38.0
40.0	68.8	99.3	25 100	34 300	41 800 *	40.0
42.0	67.6	98.5	22 900	31 700	39 600 *	42.0
44.0	66.4	97.6	21 000	29 400	37 400 *	44.0
46.0	65.2	96.7	19 300	27 300	35 400 *	46.0
48.0	63.9	95.7	17 700	25 300	33 300 *	48.0
50.0	62.7	94.7	16 300	23 600	31 300 *	50.0
52.0	61.4	93.6	15 000	21 900	29 300 *	52.0
54.0	60.1	92.5	13 700	20 500	27 400 *	54.0
56.0	58.9	91.3	12 600	19 100	25 600 *	56.0
58.0	57.5	90.0	11 600	17 800	23 700 *	58.0
60.0	56.2	88.7	10 600	16 600	21 900 *	60.0
62.0	54.9	87.3	9 700	15 500	20 200 *	62.0
64.0	53.5	85.8	8 800	14 400	18 500 *	64.0
66.0	52.1	84.3	8 000	13 400	16 800 *	66.0
68.0	50.7	82.7	7 300	12 500	15 200 *	68.0
70.0	49.2	80.9	6 600	11 600	13 600 *	70.0
72.0	47.7	79.1	5 900	10 800	12 000 *	72.0
74.0	46.2	77.2	5 300	10 100	10 400 *	74.0
76.0	44.6	75.2	4 700	8 900	8 900 *	76.0
78.0	43.0	73.1		7 400 *	7 400 *	78.0
80.0	41.4	70.9		5 900 *	5 900 *	80.0