



Liftcrane Boom Capacities

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

Hanging counterweight must be attached to support beam and MAX-ER mode must be selected to operate. Minimum boom capacity to raise hanging counterweight free of ground support is required for swing and travel. Do not allow hanging counterweight to contact ground while swinging and traveling. Exit MAX-ER mode before operating without hanging 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 capacity. Whip line operation is not allowed where minimum boom capacity to swing and travel exceeds 13 610 kg for single part line or 27 220 kg for two part line or whip line load.

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. 7750-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 hanging counterweight as specified.

WARNING: Check amount of hanging 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.

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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Meets ANSI B30.5 Requirements

MAX-ER 225
On 2250 or M-250

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 Hanging 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 Hanging 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
43 090 kg Hanging Counterweight					
103.6m	---	103.6m	---	103.6m	---
103.6m	12.2m	103.6m	12.2m	97.5m	12.2m
97.5m	30.5m	97.5m	30.5m	91.4m	30.5m
91.4m	36.6m	91.4m	36.6m	85.3m	36.6m
61 230 kg Hanging 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
79 380 kg Hanging Counterweight					
103.6m	---	103.6m	---	103.6m	---
103.6m	36.6m	103.6m	36.6m	103.6m	30.5m
				97.5m	36.6m
102 060 kg Hanging 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.					



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 360 Degree Rating

Meets
 ANSI B30.5
 Requirements

MAX-ER 225
On 2250 or M-250

42.7m (140 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		43 090 kg Hanging Counterweight		61 230 kg Hanging Counterweight		79 380 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Oper. Rad. Meters
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
7.9	82.7	45.3	205 000 *	73 700	226 700 *	104 800	226 700 *	135 800	226 700 *	166 800	226 700 *			7.9
8.0	82.6	45.3	203 300 *	72 700	224 900 *	103 400	226 400 *	134 000	226 700 *	164 700	226 700 *			8.0
9.0	81.3	45.1	182 000 *	60 000	200 900 *	86 200	213 900 *	112 400	222 700 *	138 600	225 900 *			9.0
10.0	79.9	44.9	164 500 *	50 600	181 000 *	73 500	191 700 *	96 400	202 400 *	119 300	213 900 *	147 900	223 400 *	10.0
12.0	77.2	44.5	130 700	37 500	150 700 *	55 800	159 700 *	74 000	168 700 *	92 300	177 700 *	115 100	188 900 *	12.0
14.0	74.4	43.9	104 000	28 800	126 800	44 000	136 400 *	59 100	144 200 *	74 300	152 000 *	93 300	161 700 *	14.0
16.0	71.5	43.2	85 700	22 500	104 900	35 500	118 100	48 500	125 600 *	61 500	132 400 *	77 700	141 000 *	16.0
18.0	68.7	42.5	72 400	17 800	89 000	29 200	100 800	40 600	111 000 *	51 900	117 100 *	66 100	124 700 *	18.0
20.0	65.7	41.6	62 400	14 200	77 000	24 300	87 200	34 400	97 500	44 400	104 700 *	57 100	111 600 *	20.0
22.0	62.7	40.6	54 500	11 300	67 600	20 400	76 700	29 400	85 800	38 500	94 400	49 800	100 800 *	22.0
24.0	59.6	39.4	48 200	8 900	59 900	17 100	68 200	25 400	76 400	33 600	84 800	43 900	91 700 *	24.0
26.0	56.4	38.1	43 000	6 900	53 700	14 500	61 200	22 000	68 700	29 500	76 200	38 900	84 100 *	26.0
28.0	53.1	36.6	38 600	5 300	48 400	12 200	55 300	19 100	62 200	26 100	69 100	34 800	77 400	28.0
30.0	49.6	35.0	34 900	3 800	44 000	10 200	50 300	16 700	56 700	23 100	63 100	31 200	71 200	30.0
32.0	45.9	33.1	31 700	2 500	40 100	8 500	46 000	14 600	52 000	20 500	57 900	28 100	65 400	32.0
34.0	41.9	30.9	28 900	1 400	36 800	7 000	42 300	12 700	47 900	18 300	53 400	25 300	60 400	34.0
36.0	37.6	28.4	26 500	400	33 800	5 700	39 000	11 000	44 300	16 300	49 500	22 900	56 000	36.0
38.0	32.8	25.4	24 300		31 200	4 500	36 100	9 500	41 100	14 500	46 000	20 700	52 000	38.0



Liftcrane Boom Capacities

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

Meets
ANSI B30.5
 Requirements

MAX-ER 225
On 2250 or M-250

48.8m (160 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		43 090 kg Hanging Counterweight		61 230 kg Hanging Counterweight		79 380 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Oper. Rad. Meters
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
8.5	82.9	51.3	190 600 *	66 300	211 000 *	94 900	223 400 *	123 600	225 800 *	152 100	225 800 *			8.5
9.0	82.4	51.3	181 400 *	60 900	200 400 *	87 600	212 300 *	114 300	221 700 *	141 000	225 500 *			9.0
10.0	81.2	51.1	163 900 *	51 100	180 400 *	74 400	191 100 *	97 600	201 800 *	120 800	213 400 *	150 200	222 200 *	10.0
12.0	78.8	50.7	130 500	37 700	150 200 *	56 200	159 200 *	74 700	168 200 *	93 200	177 200 *	116 300	188 500 *	12.0
14.0	76.4	50.2	103 800	28 800	126 600	44 200	136 000 *	59 500	143 700 *	74 900	151 500 *	94 100	161 300 *	14.0
16.0	73.9	49.7	85 500	22 500	104 700	35 600	117 700	48 700	125 100 *	61 800	132 000 *	78 200	140 600 *	16.0
18.0	71.5	49.0	72 200	17 800	88 800	29 200	100 600	40 600	110 500 *	52 100	116 700 *	66 400	124 300 *	18.0
20.0	68.9	48.2	62 200	14 100	76 800	24 200	87 000	34 400	97 300	44 500	104 300 *	57 200	111 200 *	20.0
22.0	66.4	47.4	54 300	11 100	67 300	20 300	76 500	29 400	85 600	38 500	94 100	49 900	100 400 *	22.0
24.0	63.8	46.4	48 000	8 700	59 700	17 000	68 000	25 300	76 200	33 600	84 600	43 900	91 400 *	24.0
26.0	61.1	45.3	42 800	6 700	53 500	14 300	61 000	21 900	68 500	29 400	76 000	38 900	83 700 *	26.0
28.0	58.3	44.1	38 400	5 000	48 200	12 000	55 100	19 000	62 000	26 000	68 900	34 700	77 100 *	28.0
30.0	55.5	42.7	34 700	3 500	43 700	10 000	50 100	16 500	56 500	23 000	62 900	31 100	71 000	30.0
32.0	52.6	41.2	31 500	2 300	39 900	8 300	45 900	14 400	51 800	20 400	57 700	27 900	65 100	32.0
34.0	49.5	39.5	28 700	1 200	36 600	6 800	42 100	12 500	47 700	18 100	53 200	25 200	60 200	34.0
36.0	46.3	37.7	26 200		33 600	5 500	38 800	10 800	44 100	16 100	49 300	22 800	55 800	36.0
38.0	42.9	35.6	24 000		31 000	4 300	36 000	9 300	40 800	14 300	45 700	20 600	51 900	38.0
40.0	39.2	33.2	22 100		28 700	3 200	33 400	8 000	38 000	12 700	42 600	18 700	48 400	40.0
42.0	35.2	30.4	20 400		26 600	2 300	31 000	6 800	35 500	11 300	39 800	16 900	45 300	42.0
44.0	30.8	27.2	18 800		24 800	1 400	28 900	5 700	33 100	10 000	37 300	15 300	42 500	44.0



Liftcrane Boom Capacities

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

Meets
 ANSI B30.5
 Requirements

MAX-ER 225
On 2250 or M-250

54.9m (180 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		43 090 kg Hanging Counterweight		61 230 kg Hanging Counterweight		79 380 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Oper. Rad. Meters
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
9.8	82.4	57.3	165 500 *	53 300	183 700 *	77 700	194 600 *	102 100	205 600 *	126 500	216 500 *	157 000	224 500 *	9.8
10.0	82.2	57.3	161 600 *	51 200	179 300 *	74 800	190 000 *	98 500	200 700 *	122 100	211 400 *	151 700	221 400 *	10.0
12.0	80.1	56.9	130 100	37 100	148 800 *	55 900	157 800 *	74 600	166 900 *	93 400	175 900 *	116 800	187 100 *	12.0
14.0	77.9	56.5	103 000	27 900	125 800	43 500	134 600 *	59 000	142 400 *	74 500	150 200 *	93 900	159 900 *	14.0
16.0	75.8	56.0	84 600	21 400	103 800	34 700	116 500	47 900	123 800 *	61 100	130 600 *	77 700	139 200 *	16.0
18.0	73.6	55.4	71 300	16 500	87 900	28 100	99 700	39 600	109 200 *	51 100	115 300 *	65 600	122 900 *	18.0
20.0	71.4	54.8	61 200	12 700	75 800	23 000	86 000	33 200	96 300	43 400	102 900 *	56 300	109 800 *	20.0
22.0	69.2	54.0	53 200	9 700	66 200	18 900	75 400	28 100	84 500	37 300	92 700 *	48 700	99 000 *	22.0
24.0	66.9	53.2	46 900	7 200	58 600	15 600	66 900	23 900	75 100	32 200	83 500	42 700	90 000 *	24.0
26.0	64.6	52.2	41 600	5 200	52 300	12 800	59 800	20 400	67 300	28 000	74 800	37 600	82 300 *	26.0
28.0	62.2	51.2	37 200	3 400	47 000	10 400	53 900	17 500	60 800	24 500	67 800	33 300	75 700 *	28.0
30.0	59.8	50.0	33 500	1 900	42 500	8 400	48 900	14 900	55 300	21 500	61 700	29 600	69 600	30.0
32.0	57.3	48.8	30 300	600	38 700	6 700	44 600	12 700	50 500	18 800	56 500	26 400	63 900	32.0
34.0	54.8	47.4	27 400		35 300	5 100	40 900	10 900	46 400	16 500	52 000	23 600	58 900	34.0
36.0	52.2	45.8	24 900		32 400	3 800	37 600	9 200	42 800	14 500	48 000	21 200	54 500	36.0
38.0	49.4	44.1	22 800		29 800	2 600	34 600	7 600	39 600	12 700	44 500	19 000	50 600	38.0
40.0	46.6	42.3	20 800		27 400	1 500	32 100	6 300	36 700	11 000	41 300	17 000	47 100	40.0
42.0	43.6	40.2	19 100		25 300	500	29 700	5 100	34 100	9 600	38 500	15 300	44 000	42.0
44.0	40.4	37.9	17 500		23 400		27 600	4 000	31 800	8 300	36 000	13 700	41 200	44.0
46.0	37.0	35.4	16 100		21 800		25 700	2 900	29 700	7 000	33 700	12 200	38 700	46.0
48.0	33.3	32.4	14 800		20 200		24 000	2 000	27 800	5 900	31 600	10 900	36 300	48.0
50.0	29.1	29.0	13 500		18 700		22 400	1 200	26 000	4 900	29 700	9 600	34 200	50.0



Liftcrane Boom Capacities

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

Meets
ANSI B30.5
 Requirements

MAX-ER 225
On 2250 or M-250

61.0m (200 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		43 090 kg Hanging Counterweight		61 230 kg Hanging Counterweight		79 380 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Oper. Rad. Meters
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
10.4	82.6	63.4	155 100 *	49 000	172 500 *	72 000	182 800 *	94 900	193 200 *	117 800	203 500 *	146 500	216 400 *	10.4
12.0	81.1	63.1	130 500	37 800	148 500 *	56 800	157 500 *	75 900	166 600 *	94 900	175 500 *	118 600	186 800 *	12.0
14.0	79.1	62.8	103 100	28 300	125 900	44 100	134 300 *	59 800	142 100 *	75 500	149 900 *	95 200	159 600 *	14.0
16.0	77.2	62.3	84 600	21 600	103 800	35 000	116 300	48 500	123 500 *	61 900	130 300 *	78 600	138 900 *	16.0
18.0	75.3	61.8	71 300	16 600	87 800	28 300	99 700	40 000	108 900 *	51 700	115 000 *	66 200	122 600 *	18.0
20.0	73.3	61.2	61 100	12 800	75 700	23 100	85 900	33 500	96 300	43 800	102 600 *	56 700	109 500 *	20.0
22.0	71.3	60.5	53 100	9 700	66 200	18 900	75 300	28 200	84 400	37 500	92 400 *	49 100	98 700 *	22.0
24.0	69.3	59.8	46 800	7 100	58 500	15 500	66 800	24 000	75 000	32 300	83 300	42 900	89 600 *	24.0
26.0	67.3	58.9	41 500	5 000	52 200	12 700	59 700	20 400	67 200	28 100	74 700	37 700	81 900 *	26.0
28.0	65.2	58.0	37 100	3 200	46 900	10 300	53 800	17 400	60 700	24 500	67 600	33 300	75 300 *	28.0
30.0	63.1	57.0	33 300	1 700	42 400	8 300	48 800	14 800	55 100	21 400	61 500	29 600	69 400	30.0
32.0	61.0	55.9	30 100	400	38 500	6 500	44 500	12 600	50 400	18 700	56 300	26 400	63 700	32.0
34.0	58.8	54.7	27 200		35 100	5 000	40 700	10 700	46 200	16 400	51 800	23 500	58 700	34.0
36.0	56.5	53.4	24 800		32 200	3 600	37 400	9 000	42 600	14 300	47 800	21 100	54 300	36.0
38.0	54.2	52.0	22 500		29 600	2 400	34 500	7 400	39 400	12 500	44 200	18 800	50 400	38.0
40.0	51.9	50.4	20 600		27 200	1 300	31 900	6 100	36 500	10 900	41 100	16 900	46 900	40.0
42.0	49.4	48.7	18 900		25 100	300	29 500	4 800	33 900	9 400	38 300	15 100	43 800	42.0
44.0	46.8	46.9	17 300		23 200		27 400	3 700	31 600	8 100	35 700	13 400	41 000	44.0
46.0	44.2	44.9	15 900		21 500		25 500	2 700	29 500	6 800	33 400	12 000	38 400	46.0
48.0	41.3	42.6	14 500		19 900		23 800	1 700	27 500	5 700	31 400	10 600	36 100	48.0
50.0	38.4	40.2	13 300		18 500		22 100	900	25 800	4 700	29 400	9 400	34 000	50.0
52.0	35.2	37.4	12 200		17 200		20 700		24 200	3 700	27 600	8 200	32 000	52.0
54.0	31.7	34.3	11 200		16 000		19 300		22 600	2 800	26 000	7 200	30 200	54.0
56.0	27.8	30.7	10 200		14 800		18 100		21 300	2 000	24 500	6 200	28 500	56.0

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

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

Meets
 ANSI B30.5
 Requirements

MAX-ER 225
On 2250 or M-250

67.1m (220 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		43 090 kg Hanging Counterweight		61 230 kg Hanging Counterweight		79 380 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Oper. Rad. Meters
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
11.0	82.8	69.5	145 500 *	45 000	162 200 *	66 600	172 000 *	88 300	176 400 *	109 900	176 400 *			11.0
12.0	81.9	69.3	130 500	38 300	148 000 *	57 600	157 000 *	76 800	166 600 *	96 100	173 500 *	120 400	176 400 *	12.0
14.0	80.1	69.0	103 000	28 600	125 800	44 500	133 800 *	60 400	141 600 *	76 400	149 400 *	96 300	159 100 *	14.0
16.0	78.4	68.6	84 400	21 700	103 600	35 200	115 900	48 800	123 000 *	62 300	129 800 *	79 300	138 400 *	16.0
18.0	76.6	68.1	71 000	16 600	87 600	28 400	99 500	40 200	108 400 *	52 000	114 500 *	66 700	122 100 *	18.0
20.0	74.9	67.6	60 900	12 600	75 500	23 100	85 700	33 500	96 100	43 900	102 100 *	57 000	109 000 *	20.0
22.0	73.1	66.9	52 900	9 500	65 900	18 800	75 000	28 200	84 200	37 600	91 900 *	49 300	98 200 *	22.0
24.0	71.3	66.3	46 500	6 900	58 200	15 400	66 500	23 900	74 700	32 400	83 000	42 900	89 200 *	24.0
26.0	69.5	65.5	41 200	4 800	51 900	12 500	59 400	20 300	66 900	28 000	74 400	37 700	81 500 *	26.0
28.0	67.6	64.7	36 800	3 000	46 600	10 100	53 500	17 200	60 400	24 400	67 300	33 300	74 900 *	28.0
30.0	65.7	63.8	33 000	1 400	42 100	8 000	48 400	14 600	54 900	21 200	61 200	29 500	69 100	30.0
32.0	63.8	62.8	29 800	100	38 200	6 200	44 100	12 400	50 100	18 500	56 000	26 200	63 400	32.0
34.0	61.9	61.8	26 900		34 800	4 600	40 400	10 400	45 900	16 200	51 500	23 300	58 400	34.0
36.0	59.9	60.6	24 400		31 800	3 300	37 000	8 700	42 300	14 100	47 500	20 800	54 000	36.0
38.0	57.9	59.4	22 200		29 200	2 000	34 200	7 100	39 000	12 200	43 900	18 600	50 100	38.0
40.0	55.9	58.1	20 300		26 900	900	31 500	5 700	36 200	10 500	40 800	16 600	46 600	40.0
42.0	53.8	56.6	18 500		24 800		29 200	4 500	33 600	9 000	38 000	14 800	43 500	42.0
44.0	51.6	55.0	16 900		22 900		27 000	3 400	31 200	7 700	35 400	13 100	40 700	44.0
46.0	49.4	53.3	15 500		21 200		25 100	2 300	29 100	6 500	33 100	11 600	38 100	46.0
48.0	47.0	51.5	14 200		19 600		23 400	1 400	27 200	5 300	31 000	10 300	35 800	48.0
50.0	44.6	49.5	13 000		18 200		21 800	500	25 500	4 300	29 100	9 100	33 600	50.0
52.0	42.1	47.3	11 900		16 800		20 300		23 800	3 400	27 300	7 900	31 700	52.0
54.0	39.4	45.0	10 900		15 600		19 000		22 300	2 500	25 700	6 800	29 900	54.0
56.0	36.6	42.3	9 900		14 500		17 700		20 900	1 600	24 200	5 800	28 200	56.0
58.0	33.6	39.4	9 000		13 400		16 500		19 700	900	22 800	4 900	26 600	58.0
60.0	30.3	36.1	8 200		12 500		15 400		18 400		21 500	4 000	25 200	60.0
62.0	26.6	32.3	7 400		11 500		14 400		17 300		20 200	3 200	23 800	62.0



Liftcrane Boom Capacities

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

Meets
ANSI B30.5
 Requirements

MAX-ER 225
On 2250 or M-250

73.2m (240 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		43 090 kg Hanging Counterweight		61 230 kg Hanging Counterweight		79 380 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Oper. Rad. Meters
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
11.6	82.9	75.5	137 100 *	41 500	153 000 *	62 000	162 600 *	82 500	167 500 *	102 900	167 500 *			11.6
12.0	82.6	75.5	130 200	39 000	147 700 *	58 600	156 800 *	78 100	164 400 *	97 700	167 500 *			12.0
14.0	81.0	75.2	103 000	29 000	125 700 *	45 100	133 500 *	61 200	141 300 *	77 400	149 100 *	97 500	158 900 *	14.0
16.0	79.4	74.8	84 500	21 900	103 700	35 700	115 700	49 300	122 700 *	63 100	129 500 *	80 200	138 100 *	16.0
18.0	77.8	74.4	71 000	16 700	87 600	28 600	99 500	40 600	108 100 *	52 500	114 200 *	67 400	121 900 *	18.0
20.0	76.2	73.9	60 800	12 700	75 400	23 300	85 700	33 800	96 000	44 300	101 900 *	57 500	108 800 *	20.0
22.0	74.5	73.3	52 900	9 500	65 800	18 900	75 000	28 400	84 100	37 800	91 700 *	49 600	97 900 *	22.0
24.0	72.9	72.7	46 400	6 900	58 100	15 400	66 400	24 000	74 600	32 500	82 800	43 200	88 900 *	24.0
26.0	71.3	72.0	41 100	4 700	51 800	12 500	59 300	20 300	66 800	28 100	74 300	37 900	81 300 *	26.0
28.0	69.6	71.3	36 600	2 900	46 500	10 000	53 400	17 200	60 300	24 400	67 200	33 400	74 600 *	28.0
30.0	67.9	70.5	32 900	1 300	41 900	8 000	48 400	14 600	54 700	21 200	61 100	29 500	68 900 *	30.0
32.0	66.2	69.6	29 600		38 100	6 100	44 000	12 300	49 900	18 500	55 900	26 300	63 300	32.0
34.0	64.4	68.7	26 800		34 700	4 500	40 200	10 300	45 800	16 100	51 300	23 300	58 200	34.0
36.0	62.7	67.6	24 300		31 700	3 100	36 900	8 600	42 100	14 000	47 300	20 800	53 800	36.0
38.0	60.9	66.5	22 100		29 100	1 900	34 000	7 000	38 900	12 100	43 800	18 500	49 900	38.0
40.0	59.1	65.3	20 100		26 700	700	31 400	5 600	36 000	10 400	40 600	16 500	46 400	40.0
42.0	57.2	64.1	18 400		24 600		29 000	4 300	33 400	8 900	37 800	14 700	43 300	42.0
44.0	55.3	62.7	16 800		22 700		26 900	3 200	31 100	7 600	35 300	13 000	40 500	44.0
46.0	53.4	61.2	15 300		21 000		25 000	2 200	29 000	6 300	32 900	11 500	37 900	46.0
48.0	51.4	59.6	14 000		19 400		23 200	1 200	27 000	5 200	30 800	10 100	35 600	48.0
50.0	49.3	57.9	12 800		18 000		21 600	300	25 300	4 100	28 900	8 900	33 400	50.0
52.0	47.2	56.1	11 700		16 700		20 100		23 600	3 200	27 100	7 700	31 500	52.0
54.0	45.0	54.1	10 700		15 400		18 800		22 200	2 300	25 500	6 700	29 700	54.0
56.0	42.7	52.0	9 700		14 300		17 500		20 800	1 500	24 000	5 700	28 000	56.0
58.0	40.3	49.7	8 800		13 200		16 400		19 500	700	22 600	4 700	26 500	58.0
60.0	37.8	47.2	8 000		12 300		15 300		18 300		21 300	3 900	25 000	60.0
62.0	35.1	44.4	7 300		11 400		14 300		17 200		20 100	3 100	23 700	62.0
66.0	29.1	37.8	5 800		9 700		12 400		15 100		17 800	1 600	21 200	66.0

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

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

Meets
ANSI B30.5
Requirements

MAX-ER 225

On 2250 or M-250

79.2m (260 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		43 090 kg Hanging Counterweight		61 230 kg Hanging Counterweight		79 380 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Oper. Rad. Meters
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
12.2	83.0	81.6	126 900	38 100	144 500 *	57 600	146 400 *	77 000	146 400 *	96 400	146 400 *	98 500	142 400 *	12.2
14.0	81.7	81.3	102 800	29 100	125 100 *	45 400	133 100 *	61 700	140 800 *	78 100	142 400 *	98 500	142 400 *	14.0
16.0	80.2	81.0	84 200	22 000	103 400	35 800	115 300	49 700	122 200 *	63 500	129 700 *	80 800	135 600 *	16.0
18.0	78.7	80.6	70 800	16 600	87 300	28 700	99 300	40 700	107 600 *	52 700	113 800 *	67 800	121 900 *	18.0
20.0	77.3	80.1	60 600	12 600	75 200	23 200	85 400	33 800	95 800	44 500	101 400 *	57 700	108 300 *	20.0
22.0	75.8	79.6	52 600	9 300	65 600	18 800	74 700	28 300	83 900	37 900	91 200 *	49 700	97 500 *	22.0
24.0	74.3	79.1	46 100	6 700	57 900	15 200	66 100	23 900	74 400	32 500	82 400	43 200	88 500 *	24.0
26.0	72.7	78.5	40 800	4 400	51 500	12 300	59 000	20 200	66 500	28 000	74 100	37 900	80 800 *	26.0
28.0	71.2	77.8	36 400	2 600	46 200	9 800	53 100	17 100	60 000	24 300	66 900	33 300	74 200 *	28.0
30.0	69.7	77.1	32 600	1 000	41 700	7 700	48 000	14 400	54 400	21 100	60 800	29 400	68 400 *	30.0
32.0	68.1	76.3	29 300		37 700	5 900	43 700	12 100	49 600	18 300	55 600	26 100	63 000	32.0
34.0	66.5	75.4	26 500		34 400	4 200	39 900	10 100	45 500	15 900	51 000	23 200	58 000	34.0
36.0	65.0	74.5	24 000		31 400	2 800	36 600	8 300	41 800	13 800	47 000	20 600	53 500	36.0
38.0	63.3	73.5	21 800		28 800	1 600	33 700	6 700	38 600	11 900	43 500	18 300	49 600	38.0
40.0	61.7	72.4	19 800		26 400		31 000	5 300	35 700	10 200	40 300	16 300	46 100	40.0
42.0	60.0	71.3	18 000		24 300		28 700	4 000	33 100	8 600	37 500	14 400	43 000	42.0
44.0	58.3	70.0	16 500		22 400		26 600	2 900	30 800	7 200	34 900	12 800	40 200	44.0
46.0	56.6	68.7	15 000		20 700		24 700	1 800	28 600	6 000	32 600	11 200	37 600	46.0
48.0	54.8	67.3	13 700		19 100		22 900	900	26 700	4 900	30 500	9 900	35 300	48.0
50.0	53.0	65.8	12 500		17 700		21 300		25 000	3 800	28 600	8 600	33 100	50.0
52.0	51.2	64.2	11 400		16 300		19 800		23 300	2 900	26 800	7 400	31 200	52.0
54.0	49.3	62.5	10 400		15 100		18 500		21 800	1 900	25 200	6 400	29 400	54.0
56.0	47.3	60.7	9 400		14 000		17 200		20 400	1 100	23 700	5 300	27 700	56.0
58.0	45.3	58.8	8 500		13 000		16 000		19 200		22 300	4 400	26 100	58.0
60.0	43.2	56.7	7 700		12 000		15 000		17 900		21 000	3 600	24 700	60.0
62.0	41.0	54.4	6 900		11 000		14 000		16 900		19 700	2 700	23 300	62.0
66.0	36.3	49.3	5 600		9 400		12 100		14 800		17 500	1 200	20 900	66.0
70.0	31.0	43.2			7 900		10 500		13 000		15 600		18 700	70.0



Liftcrane Boom Capacities

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

Meets
 ANSI B30.5
 Requirements

MAX-ER 225
On 2250 or M-250

85.3m (280 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		43 090 kg Hanging Counterweight		61 230 kg Hanging Counterweight		79 380 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Oper. Rad. Meters
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
13.4	82.7	87.6	109 700	32 100	130 200 *	49 500	131 700 *	66 900	131 700 *	84 400	131 700 *			13.4
14.0	82.3	87.5	102 800	29 400	124 400 *	45 900	130 200 *	62 500	130 200 *	79 000	130 200 *			14.0
16.0	80.9	87.2	84 100	22 100	103 300	36 100	115 000	50 100	122 800 *	64 100	124 900 *	81 600	125 100 *	16.0
18.0	79.5	86.8	70 600	16 700	87 200	28 900	99 200	41 000	107 400 *	53 200	114 100 *	68 300	119 800 *	18.0
20.0	78.2	86.4	60 400	12 600	75 000	23 300	85 300	34 000	95 400	44 700	101 100 *	58 100	108 000 *	20.0
22.0	76.8	85.9	52 400	9 300	65 400	18 900	74 500	28 400	83 700	38 000	90 900 *	50 000	97 200 *	22.0
24.0	75.4	85.4	45 900	6 600	57 600	15 200	65 900	23 900	74 200	32 600	82 200	43 400	88 100 *	24.0
26.0	74.0	84.8	40 600	4 300	51 300	12 300	58 800	20 200	66 300	28 100	73 800	38 000	80 500 *	26.0
28.0	72.6	84.2	36 100	2 400	46 000	9 700	52 900	17 000	59 800	24 300	66 700	33 400	73 900 *	28.0
30.0	71.2	83.5	32 300	800	41 400	7 600	47 800	14 300	54 200	21 000	60 600	29 500	68 100 *	30.0
32.0	69.8	82.8	29 100		37 500	5 700	43 500	12 000	49 400	18 200	55 300	26 100	62 800	32.0
34.0	68.3	82.0	26 300		34 100	4 100	39 700	9 900	45 200	15 800	50 800	23 100	57 700	34.0
36.0	66.9	81.2	23 700		31 100	2 600	36 300	8 100	41 600	13 600	46 800	20 500	53 300	36.0
38.0	65.4	80.3	21 600		28 500	1 400	33 400	6 500	38 300	11 700	43 300	18 200	49 300	38.0
40.0	63.9	79.3	19 600		26 200		30 800	5 100	35 400	10 000	40 100	16 100	45 900	40.0
42.0	62.4	78.3	17 800		24 100		28 500	3 800	32 800	8 500	37 300	14 300	42 700	42.0
44.0	60.8	77.1	16 200		22 200		26 300	2 600	30 500	7 100	34 700	12 600	39 900	44.0
46.0	59.3	76.0	14 800		20 400		24 400	1 600	28 400	5 800	32 400	11 100	37 300	46.0
48.0	57.7	74.7	13 400		18 800		22 700	600	26 500	4 600	30 200	9 700	35 000	48.0
50.0	56.1	73.4	12 200		17 400		21 000		24 700	3 600	28 300	8 400	32 900	50.0
52.0	54.4	72.0	11 100		16 100		19 600		23 100	2 600	26 600	7 200	30 900	52.0
54.0	52.8	70.5	10 100		14 900		18 200		21 600	1 700	24 900	6 100	29 100	54.0
56.0	51.0	68.9	9 100		13 700		17 000		20 200	900	23 400	5 100	27 400	56.0
58.0	49.3	67.1	8 300		12 700		15 800		18 900		22 000	4 200	25 900	58.0
60.0	47.5	65.3	7 400		11 700		14 700		17 700		20 700	3 300	24 400	60.0
62.0	45.6	63.4	6 700		10 800		13 700		16 600		19 500	2 500	23 100	62.0
66.0	41.7	59.1	5 300		9 100		11 900		14 600		17 300	1 000	20 600	66.0
70.0	37.4	54.2			7 700		10 200		12 700		15 300		18 500	70.0
74.0	32.6	48.3			6 400		8 800		11 200		13 600		16 600	74.0
78.0	27.1	41.2			5 200		7 400		9 700		12 000		14 500 *	78.0

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

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

Meets
 ANSI B30.5
 Requirements

MAX-ER 225
On 2250 or M-250

91.4m (300 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		43 090 kg Hanging Counterweight		61 230 kg Hanging Counterweight		79 380 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Oper. Rad. Meters
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
14.0	82.8	93.7	102 300	29 300	102 400 *	46 000	102 400 *	62 700	102 400 *					14.0
16.0	81.5	93.4	83 800	22 000	98 300	36 200	98 600 *	50 300	98 600 *	64 400	98 600 *			16.0
18.0	80.3	93.0	70 300	16 500	87 700	28 800	94 800 *	41 000	94 800 *	53 300	94 800 *			18.0
20.0	79.0	92.6	60 100	12 300	74 700	23 100	85 000	33 900	90 900	44 700	91 000 *	58 300	91 000 *	20.0
22.0	77.7	92.2	52 000	8 900	65 000	18 600	74 200	28 300	83 900	38 000	87 300 *	50 000	87 300 *	22.0
24.0	76.4	91.7	45 500	6 200	57 300	14 900	65 500	23 700	73 800	32 400	81 900	43 400	83 700 *	24.0
26.0	75.1	91.2	40 200	3 900	50 900	11 900	58 400	19 900	66 000	27 900	73 500	37 900	80 000 *	26.0
28.0	73.8	90.6	35 800	2 000	45 600	9 300	52 500	16 700	59 400	24 000	66 300	33 200	73 400 *	28.0
30.0	72.5	90.0	32 000	400	41 000	7 200	47 400	14 000	53 800	20 800	60 200	29 200	67 600 *	30.0
32.0	71.2	89.3	28 700		37 200	5 300	43 100	11 600	49 000	17 900	54 900	25 800	62 400	32.0
34.0	69.8	88.6	25 800		33 800	3 700	39 300	9 600	44 800	15 500	50 400	22 800	57 300	34.0
36.0	68.5	87.8	23 300		30 800	2 200	36 000	7 700	41 200	13 300	46 400	20 200	52 900	36.0
38.0	67.1	87.0	21 100		28 100	900	33 000	6 100	37 900	11 300	42 800	17 800	49 000	38.0
40.0	65.8	86.1	19 200		25 800		30 400	4 700	35 000	9 600	39 700	15 800	45 500	40.0
42.0	64.4	85.1	17 400		23 700		28 100	3 400	32 500	8 100	36 800	13 900	42 300	42.0
44.0	63.0	84.1	15 800		21 800		26 000	2 200	30 100	6 700	34 300	12 200	39 500	44.0
46.0	61.5	83.0	14 400		20 000		24 000	1 200	28 000	5 400	32 000	10 700	37 000	46.0
48.0	60.1	81.9	13 000		18 500		22 300		26 000	4 200	29 900	9 300	34 600	48.0
50.0	58.6	80.7	11 800		17 000		20 700		24 300	3 100	27 900	8 000	32 500	50.0
52.0	57.1	79.4	10 700		15 700		19 200		22 700	2 200	26 100	6 800	30 500	52.0
54.0	55.6	78.0	9 700		14 500		17 800		21 200	1 300	24 500	5 700	28 700	54.0
56.0	54.1	76.6	8 800		13 300		16 600		19 800	400	23 000	4 700	27 100	56.0
58.0	52.5	75.1	7 900		12 300		15 400		18 500		21 600	3 800	25 500	58.0
60.0	50.9	73.5	7 100		11 300		14 300		17 300		20 300	2 900	24 000	60.0
62.0	49.3	71.7	6 300		10 400		13 300		16 200		19 100	2 100	22 700	62.0
66.0	45.8	68.0	4 900		8 700		11 500		14 200		16 900	600	20 300	66.0
70.0	42.2	63.8			7 300		9 800		12 400		14 900		18 100	70.0
74.0	38.3	59.0			6 000		8 400		10 800		13 200		16 200	74.0
78.0	33.9	53.4			4 800		7 100		9 300		11 600		14 500	78.0
82.0	29.1	46.7					5 900		8 100		10 200		12 100 *	82.0



Liftcrane Boom Capacities

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

Meets
 ANSI B30.5
 Requirements

MAX-ER 225
On 2250 or M-250

97.5m (320 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		43 090 kg Hanging Counterweight		61 230 kg Hanging Counterweight		79 380 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Oper. Rad. Meters
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
14.6	82.9	99.7	27 000	91 500 *	43 000	91 500 *	58 900	91 500 *					14.6
16.0	82.1	99.5	22 100	89 100 *	36 400	89 100 *	50 600	89 100 *					16.0
18.0	80.9	99.2	16 500	85 400	28 800	85 600 *	41 200	85 600 *	53 700	85 600 *			18.0
20.0	79.7	98.8	12 200	74 500	23 100	81 900	34 000	82 100 *	44 900	82 100 *	58 600	82 100 *	20.0
22.0	78.5	98.4	8 800	64 800	18 500	74 400	28 300	78 700 *	38 000	78 700 *	50 200	78 700 *	22.0
24.0	77.3	98.0	6 000	57 100	14 800	65 300	23 600	73 500	32 400	75 300 *	43 500	75 300 *	24.0
26.0	76.1	97.5	3 700	50 700	11 700	58 200	19 800	65 800	27 800	72 000	37 900	72 000 *	26.0
28.0	74.8	97.0	1 700	45 300	9 100	52 200	16 500	59 100	23 900	66 200	33 200	68 800 *	28.0
30.0	73.6	96.4		40 800	6 900	47 200	13 700	53 600	20 600	60 000	29 100	65 700 *	30.0
32.0	72.4	95.7		36 900	5 000	42 800	11 400	48 800	17 700	54 700	25 700	62 100	32.0
34.0	71.1	95.1		33 500	3 400	39 100	9 300	44 600	15 200	50 100	22 600	57 100	34.0
36.0	69.9	94.3		30 500	1 900	35 700	7 500	40 900	13 100	46 100	20 000	52 600	36.0
38.0	68.6	93.6		27 900	600	32 700	5 800	37 700	11 100	42 600	17 700	48 700	38.0
40.0	67.4	92.7		25 500		30 100	4 400	34 800	9 300	39 400	15 500	45 200	40.0
42.0	66.1	91.8		23 400		27 800	3 100	32 200	7 800	36 600	13 600	42 100	42.0
44.0	64.8	90.9		21 500		25 700	1 900	29 800	6 400	34 000	11 900	39 300	44.0
46.0	63.5	89.9		19 800		23 700	800	27 700	5 100	31 700	10 400	36 700	46.0
48.0	62.1	88.9		18 200		22 000		25 800	3 900	29 600	9 000	34 300	48.0
50.0	60.8	87.8		16 700		20 400		24 000	2 800	27 700	7 700	32 200	50.0
52.0	59.4	86.6		15 400		18 900		22 400	1 900	25 900	6 500	30 300	52.0
54.0	58.1	85.3		14 200		17 500		20 900	900	24 200	5 400	28 400	54.0
56.0	56.7	84.0		13 000		16 300		19 500		22 700	4 400	26 800	56.0
58.0	55.2	82.7		12 000		15 100		18 200		21 300	3 400	25 200	58.0
60.0	53.8	81.2		11 000		14 000		17 000		20 000	2 600	23 800	60.0
62.0	52.3	79.7		10 100		13 000		15 900		18 800	1 700	22 400	62.0
66.0	49.2	76.3		8 500		11 200		13 900		16 600		20 000	66.0
70.0	46.0	72.6		7 000		9 600		12 100		14 600		17 800	70.0
74.0	42.6	68.5		5 700		8 100		10 500		12 900		15 700	74.0
78.0	39.0	63.7				6 800		9 100		11 300		12 400 *	78.0
82.0	35.1	58.3				5 600		7 800		9 100 *		9 100 *	82.0
86.0	30.7	52.0						5 900 *		5 900 *		5 900 *	86.0



Liftcrane Boom Capacities

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

Meets
 ANSI B30.5
 Requirements

MAX-ER 225
On 2250 or M-250

103.6m (340 Ft.) Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		43 090 kg Hanging Counterweight		61 230 kg Hanging Counterweight		79 380 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Oper. Rad. Meters
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
15.2	83.0	105.8	24 500	73 900 *	39 800	73 900 *	55 200	73 900 *					15.2
16.0	82.5	105.7	22 000	72 900 *	36 500	72 900 *	50 900	72 900 *					16.0
18.0	81.4	105.4	16 200	70 100 *	28 600	70 100 *	41 100	70 100 *					18.0
20.0	80.3	105.0	11 800	67 300 *	22 800	67 300 *	33 800	67 300 *	44 800	67 300 *			20.0
22.0	79.2	104.7	8 400	63 800	18 200	64 500 *	28 000	64 500 *	37 800	64 500 *			22.0
24.0	78.0	104.2	5 500	56 800	14 400	61 800 *	23 300	61 800 *	32 200	61 800 *	43 400	61 800 *	24.0
26.0	76.9	103.8	3 200	50 300	11 300	57 900	19 400	59 100 *	27 500	59 100 *	37 600	59 100 *	26.0
28.0	75.8	103.3	1 300	44 900	8 700	51 800	16 100	56 400 *	23 600	56 400 *	32 900	56 400 *	28.0
30.0	74.6	102.7		40 400	6 500	46 800	13 300	53 100	20 200	53 800 *	28 800	53 800 *	30.0
32.0	73.5	102.1		36 500	4 500	42 400	10 900	48 300	17 300	51 300 *	25 300	51 300 *	32.0
34.0	72.3	101.5		33 100	2 900	38 600	8 800	44 100	14 800	48 800	22 300	48 800 *	34.0
36.0	71.1	100.8		30 000	1 400	35 300	7 000	40 500	12 600	45 800	19 600	46 400 *	36.0
38.0	70.0	100.1		27 400	100	32 300	5 300	37 200	10 600	42 100	17 200	44 100 *	38.0
40.0	68.8	99.3		25 100		29 700	3 900	34 300	8 900	39 000	15 100	41 800 *	40.0
42.0	67.6	98.5		22 900		27 300	2 600	31 700	7 300	36 100	13 200	39 600 *	42.0
44.0	66.4	97.6		21 000		25 200	1 400	29 400	5 900	33 600	11 500	37 400 *	44.0
46.0	65.2	96.7		19 300		23 300		27 300	4 600	31 300	9 900	35 400 *	46.0
48.0	63.9	95.7		17 700		21 500		25 300	3 400	29 200	8 500	33 300 *	48.0
50.0	62.7	94.7		16 300		19 900		23 600	2 300	27 200	7 200	31 300 *	50.0
52.0	61.4	93.6		15 000		18 500		21 900	1 300	25 400	6 000	29 300 *	52.0
54.0	60.1	92.5		13 700		17 100		20 500	400	23 800	4 900	27 400 *	54.0
56.0	58.9	91.3		12 600		15 800		19 100		22 300	3 900	25 600 *	56.0
58.0	57.5	90.0		11 600		14 700		17 800		20 900	2 900	23 700 *	58.0
60.0	56.2	88.7		10 600		13 600		16 600		19 600	2 000	21 900 *	60.0
62.0	54.9	87.3		9 700		12 600		15 500		18 400	1 200	20 200 *	62.0
66.0	52.1	84.3		8 000		10 700		13 400		16 200		16 800 *	66.0
70.0	49.2	80.9		6 600		9 100		11 600		13 600 *		13 600 *	70.0
74.0	46.2	77.2		5 300		7 700		10 100		10 400 *		10 400 *	74.0
78.0	43.0	73.1				6 400		7 400 *		7 400 *		7 400 *	78.0